Chain of Custody, Shipping & Receiving Documents, Sample Condition Checklist

F&B Project 506112

506112

MP 06/04 (ND)/15 B04/V6

USEPA
DateShipped: 6/4/2015
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Site #: 10PB
Contact Name: Eric Nuchims
Contact Phone: 2064193415

No: 10-060415-095219-0024
Cooler #: Cooler 26
Lab: Friedman & Bruya
Lab Phone: (206) 285-8282

Lab #	Collected	Sample Time	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Preservative	Lab QC
01 A-B	6/4/2015	07:31	15053134	TB09GW	8260B - VOCs/1 wk TAT	Filtered Water	2	40 ml VOA	HCL<2	N
1 C-D	6/4/2015	07:31	15053134	TB09GW	NWTPH-GRO/1 wk TAT	Filtered Water	2	40 ml VOA	HCL<2	N
02 A-C	6/3/2015	18:05	15053127	BH20GW	Oil Fingerprinting TPH-Dx	Ground Water	3	40 ml VOA	HCL<2	N
1 D-F	6/3/2015	18:05	15053127	BH20GW	Oil Fingerprinting	Ground Water	2	32 oz Amber	Wet Ice	N
03 A-I	6/3/2015	18:45	15053131	BH12GW	Oil Fingerprinting	Ground Water	9	40 ml VOA	HCL<2	Y
- J-M	6/3/2015	18:45	15053131	BH12GW	Oil Fingerprinting	Ground Water	4	32 oz Amber	Wet Ice	Y

Special Instructions: 1 week TAT. Preliminary results to mwoodke@ene.com.
TPH-Dx added per Mark Woodke 6/8/15

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY # /

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
			FedEx Inc.	06/04/15	
				17:50	

Samples received at 4 °C

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 506112 CLIENT Ecology & Environment INITIALS/ DATE: NP 06/04

If custody seals are present on cooler, are they intact? ☐ NA ☑ YES ☐ NO

Cooler/Sample temperature 4 °C

Were samples received on ice/cold packs? ☑ YES ☐ NO

Number of days samples have been sitting prior to receipt at laboratory 0 > 1 days

Is there a Chain-of-Custody* (COC)? ☑ YES ☐ NO
*or other representative documents, letters, and/or shipping memos

Are the samples clearly identified? (explain "no" answer below) ☑ YES ☐ NO

Is the following information provided on the COC* ? (explain "no" answer below)

Sample ID's	☑ Yes ☐ No		# of Containers	☑ Yes ☐ No	
Date Sampled	☑ Yes ☐ No		Relinquished	☑ Yes ☐ No	
Time Sampled	☑ Yes ☐ No		Requested analysis	☑ Yes ☐ No	

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☑ YES ☐ NO

Were appropriate sample containers used? (explain "no" answer below) ☑ YES ☐ NO

If custody seals are present on samples, are they intact? ☑ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☐ NA ☑ YES ☐ NO

Explain "no" items from above (use the back if needed)

Are samples for PCB testing? ☐ YES ☑ NO

Did samples originate out of the country? (if yes, put in APHIS refrigerator) ☐ YES ☑ NO

Was client notified of sample receipt? ☑ Over the Counter ☐ Picked up by F&BI
☐ YES ☐ NO (explain)

If Yes, name of person contacted _____ ☐ Left Message

Special Instructions from Client: _____

NWTPH-Gx
Laboratory Worksheets

F&B Project 506112

Project #: 506112
Client: Ecology & Env.
QC Batch ID: 05-1276
Samples checked against COC TM

HT
Date Received: 6/4/15
Date Extracted: 6/9/15
Date Analyzed:
GC ☒2 ☐3, Seq. Date TM

Analysis Method:
☒ NWTPH-Gx
☐ 8015M
☐ AK101 [LCS/LCSD]
☐ 8021
☐ 602
☐ Other

Calculation Range:
☐ C_6 to C_{10}
☐ Benzene to Naphthalene

Requested Analytes:
☐ BTEX
☒ Gasoline
☐ BTEX + Gasoline
☐ MTBE
☐ Other

Reporting Units:
☒ µg/L (ppb)
☐ Other

Extraction Method:
☒ 5030
☐ Other

Due Date: ~~Mon.~~ Thurs. 6/11

☐ ve's not Acceptable
☐ Dilutions Only Not Acceptable
☒ Need EDF (EIM)

Sample ID	pH	Sample Volume (mL)	Final Volume (mL)	Dilutions		Observations
				Amt. Extract	Amt. Solvent	
01 C	<2 PB 6/10	43	43			
TM 6/9	→	→	→			
Initials						

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent	✓	NA	NA	DI Water	NA	TM	6/9/15
Other							
Surrogate/Internal Standard	✓	500 ppm BFB spiked at instr. to yield 100 ppb			45-132		
Other							

Project Leader: MH.
Initials:

NOTES: 06-09-15P01:00 REF: TM

FORMS\LAB\EXTRACT\GASBTEX

Rev. 09/30/14

								C=CA, A=AK					Reporting Limits									
							W	W=WA					Water- CA	5	0.5	0.5	0.5	1.5	50	50		
							or	C, A					Water-WA	5	1	1	1	3	100	100		
ry				MTBE			S	or					Soil-WA	0.1	0.02	0.02	0.02	0.06	2	2		
eight			BTX	BTX	MTBE			W					Soil-AK	0.025	0.005	0.005	0.005	0.015	1	1	PID	FID
Solid	BTX	Gas	Gas	Gas	BTX		Type	St.	Sampl Vol	Final Vol	Dil	Date	Time	Sample Name	MTBE	B	T	EB	Xy	Gas AK/	Gas NW	BFB	BFB
1.00							w	w	40	40		6/9/15	6:40	water blank	<5	<1	<1	<1	<3	<100	<100	99	96
1.00							w	w	40	40		6/9/15	7:00	05-1276 lcsv/ccv	<5	52.96	52.53	53.23	154.60	706	703	102	97
1.00							w	w	40	40		6/9/15	7:21	05-1276 lcsg/ccg	78.63	15.79	96.34	19.61	105.92	969	967	106	107
1.00							w	w	40	40		6/9/15	7:41	05-1276 mb	<5	<1	<1	<1	<3	<100	<100	98	94
1.00			1				w	w	43	43		6/9/15	9:01	506185-05	<5	<1	<1	<1	<3	<100	<100	101	94
1.00			1				w	w	43	43		6/9/15	9:21	506185-04	<5	<1	<1	<1	<3	<100	<100	97	89
1.00	1						w	w	40	40		6/9/15	9:42	506195-04	<5	<1	<1	<1	<3	<100	<100	104	96
1.00	1						w	w	40	40		6/9/15	10:03	506195-05	<5	<1	<1	<1	<3	<100	<100	107	97
1.00	1						w	w	40	40		6/9/15	10:23	506195-06	<5	<1	<1	<1	<3	<100	<100	106	97
1.00			1				w	w	43	43		6/9/15	10:44	506185-02	<5	<1	<1	<1	<3	<100	<100	108	98
1.00							w	w	43	43		6/9/15	11:05	506185-04 dup	<5	<1	<1	<1	<3	<100	<100	105	96
1.00			1				w	w	43	43		6/9/15	11:26	506185-03	<5	<1	<1	<1	<3	<100	<100	111	101
1.00			1				w	w	43	43		6/9/15	11:47	506185-01	<5	<1	<1	<1	<3	<100	<100	106	96
1.00			1				w	w	43	43		6/9/15	12:08	506184-04	<5	<1	<1	<1	<3	<100	<100	108	98
1.00			1				w	w	43	43		6/9/15	12:29	506184-02	<5	<1	<1	<1	<3	<100	<100	102	91
1.00			1				w	w	43	43		6/9/15	12:50	506184-03	<5	<1	<1	<1	<3	<100	<100	112	102
1.00			1				w	w	43	43		6/9/15	13:11	506184-01	<5	<1	<1	<1	<3	<100	<100	111	100
1.00							w	w	40	40		6/9/15	13:32	rinse	<5	<1	<1	<1	<3	<100	<100	109	97
1.00	1						w	w	43	43		6/9/15	13:53	506187-01	<5	<1	<1	<1	<3	<100	<100	105	95
1.00		1					w	w	43	43		6/9/15	14:14	506112-01	6.09	<1	<1	<1	<3	<100	<100	109	98
1.00		1					w	w	43	43		6/9/15	14:35	506191-01	<5	<1	<1	<1	<3	<100	<100	112	101
1.00							w	w	40	40		6/9/15	14:56	25 V 45-92#2	<5	28.56	28.40	28.82	84.67	368	369	109	95
1.00							w	w	40	40		6/9/15	15:17	500GX 45-47#2	5.08	8.78	55.92	11.22	60.03	504	508	106	98

TPM 6/10/15

AP 6/10/15

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 05-09-15 AUG:26 REF: Technician: TM

QA Batch: **O5-01276**

Matrix
- ☐ Soil
- ☒ Water
- ☐ Product
- ☐ Wipe
- ☐ Other_____

Solvent
- ☐ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☒ Other Dwater

Solvent Lot #_____

Analysis
- ☐ Diesel
- ☒ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☐ 8270
- ☐ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other_____

Clean Up: ☐ FlorsiL (FL) ☐ Cupper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other_____

Sample ID	pH Waters only	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up (Circle) FL Cu Silica	Filter	H_2SO_4	Observations
MB		40mL	40mL							
LCS V		↓	↓							
LCS G		↓	↓							
506185-04	<2 [illegible]	43mL	43mL							
dup TM 6/9										
Initials										

Samples in Batch

506184-01	506185-01	↓ -05	↓ -05	
↓ -02	↓ -02	506187-01	↓ -06	
↓ -03	↓ -03	506191-01	506112-01	
↓ -04	↓ -04	506195-04		

Matrix Spikes: 40 µL of 50/1000 ppm of BTEX / GX — Lot # 45-92/45-47 — Date/Initials 6/9/15 TM
Amount — Concentration — Analytes and Solvent

Matrix Spikes: _____ µL of _____ ppm of _____ — Lot # _____
Amount — Concentration — Analytes and Solvent

Surrogates: 1 µL of 500 ppm of 4-BFB — Lot # 45-132
Amount — Concentration — Analytes and Solvent

Internal Standards: _____ µL of _____ ppm of _____ — Lot # _____
Amount — Concentration — Analytes and Solvent

Notes: _____

NWTPH-Gx
MDLs

F&B Project 506112

MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis:	8021/NWTPH-Gx/8015	Standard(s) spiked:	1ppm 44-139 BTEX, 100 ppm 44-13 GAS 40ml F.V
Matrix:	water	Volume spiked:	20 ul each standard
Instrument ID:	GC2	Date(s) Extracted:	01/09/15
Reporting Units:	ug/L	Date(s) Analyzed:	01/09/15
		Date Calculated:	01/12/15
		Calculation Analyst:	TM

Analyte	(StdDev*3.14) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.
Benzene	0.0207	0.0415	0.1036	0.0066	0.499	0.5	100
Toluene	0.0342	0.0683	0.1708	0.0109	0.499	0.5	100
Ethylbenzene	0.0403	0.0806	0.2016	0.0128	0.470	0.5	94
Total Xylenes	0.0504	0.1007	0.2518	0.0160	1.493	1.5	100
MTBE	0.4779	0.9559	2.3897	0.1522	0.919	0.5	184
NW Gas	9.3935	18.7871	46.9677	2.9916	52.143	50.0	104
8015 Gas	6.8668	13.7335	34.3338	2.1869	53.771	50.0	108

TM 1/12/15

MG 1/15/15

MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis:	8021/NWTPH-Gx/8015	Standard(s) spiked:	1ppm 44-139 BTEX, 100 ppm 44-13 GAS 40ml F.V .
Matrix:	water	Volume spiked:	20 ul each standard
Instrument ID:	GC2	Date(s) Extracted:	01/09/15
Reporting Units:	ug/L	Date(s) Analyzed:	01/09/15
		Date Calculated:	01/12/15
		Calculation Analyst:	TM

Enter Compounds Below	Spike Level	MDL#1	MDL#2	MDL#3	MDL#4	MDL#5	MDL#6	MDL#7
Benzene	0.5	0.498	0.496	0.511	0.499	0.501	0.489	0.497
Toluene	0.5	0.514	0.481	0.5	0.497	0.496	0.511	0.497
Ethylbenzene	0.5	0.463	0.458	0.480	0.474	0.492	0.469	0.456
Total Xylenes	1.5	1.49	1.51	1.50	1.49	1.50	1.50	1.46
MTBE	0.5	1.14	1.05	0.760	1.04	0.801	0.81	0.830
NW Gas	50	55.9	53.2	52.9	48.7	53.7	53.2	47.4
8015 Gas	50	56.2	54.7	55.0	52.0	55.0	53.7	49.8

TM 1/12/15

MG 1/15/15

NWTPH-Gx
Initial Calibrations

F&B Project 506112

GC - 2			Seq Line		Vial #s				
Sequence Date:	3/10/15								
Standard ID									
Sample ID	50G 44-159	100G 44-159	500G 44-159	1000G 44-159	5000G 44-159	10000G 44-159			
Concentration	50	100	500	1000	5000	10000			
BFB-FID	1930	4.49E+03	1.53E+04	2.55E+04	1.68E+05	3.95E+05			
BFB-PID	6211	9.64E+03	0.00E+00	0.00E+00	0.00E+00	5.81E+05			
Benzene-FID	16667	3.44E+04	1.64E+05	3.03E+05	1.39E+06	2.34E+06			
Benzene-PID	68100	1.31E+05	7.10E+05	1.37E+06	6.67E+06	9.73E+06			
Toluene-FID	90747	1.78E+05	9.00E+05	1.71E+06	8.92E+06	1.71E+07			
Toluene-PID	358995	6.90E+05	3.75E+06	7.18E+06	3.47E+07	6.23E+07			
Ethylbenzene-FID	1.29E+04	2.37E+04	1.33E+05	2.56E+05	1.38E+06	2.69E+06			
Ethylbenzene-PID	43773	8.34E+04	5.00E+05	9.78E+05	5.16E+06	9.57E+06			
m,p-Xylenes-FID	60546	1.14E+05	5.96E+05	1.14E+06	5.98E+06	1.15E+07			
m,p-Xylenes-PID	262056	5.02E+05	2.72E+06	5.25E+06	2.59E+07	4.64E+07			
o-Xylene-FID	28569	5.13E+04	2.66E+05	5.04E+05	2.62E+06	5.04E+06			
o-Xylene-PID	98161	1.92E+05	1.09E+06	2.07E+06	1.02E+07	1.81E+07			
MTBE-FID	32282	4.90E+04	1.91E+05	3.52E+05	1.59E+06	2.95E+06			
MTBE-PID	33364	6.42E+04	3.47E+05	6.84E+05	6.26E+05	1.14E+06			
Gasoline CA/NW-FID	3.61E+05	6.69E+05	3.42E+06	6.48E+06	3.46E+07	6.70E+07			
Gasoline CA/NW-PID	1.17E+06	2.27E+06	1.27E+07	2.44E+07	1.24E+08	2.25E+08			
Gasoline AK-FID	3.73E+05	6.79E+05	3.43E+06	6.49E+06	3.37E+07	6.46E+07			
Gasoline AK-PID	1.10E+06	2.15E+06	1.19E+07	2.28E+07	1.15E+08	2.08E+08			
RESPONSE FACTORS								Avg FID	%RSD
BFB-FID	39	45	31	25	34	39	#DIV/0!	3.54E+01	20%
BFB-PID	124	96	0	0	0	58	#DIV/0!	4.65E+01	119%
Benzene-FID	333	344	328	303	278	234	#DIV/0!	#DIV/0!	#DIV/0!
Benzene-PID	1362	1310	1419	1370	1334	973	#DIV/0!	#DIV/0!	#DIV/0!
Toluene-FID	1815	1783	1800	1713	1785	1711	#DIV/0!	#DIV/0!	#DIV/0!
Toluene-PID	7180	6896	7493	7180	6933	6230	#DIV/0!	#DIV/0!	#DIV/0!
Ethylbenzene-FID	257	237	267	256	277	269	#DIV/0!	#DIV/0!	#DIV/0!
Ethylbenzene-PID	875	834	1000	978	1033	957	#DIV/0!	#DIV/0!	#DIV/0!
m,p-Xylenes-FID	605	569	596	569	598	574	#DIV/0!	#DIV/0!	#DIV/0!
m,p-Xylenes-PID	2621	2510	2721	2624	2588	2318	#DIV/0!	#DIV/0!	#DIV/0!
o-Xylene-FID	571	513	531	504	524	504	#DIV/0!	#DIV/0!	#DIV/0!
o-Xylene-PID	1963	1921	2170	2071	2042	1807	#DIV/0!	#DIV/0!	#DIV/0!
MTBE-FID	646	490	381	352	317	295	#DIV/0!	#DIV/0!	#DIV/0!
MTBE-PID	667	642	693	684	125	114	#DIV/0!	#DIV/0!	#DIV/0!
Gasoline NW-FID	7229	6691	6848	6479	6924	6702	#DIV/0!	6.81E+03	4%
Gasoline NW-PID	23335	22745	25304	24377	24702	22478	#DIV/0!	2.38E+04	5%
Gasoline CA/AK-FID	7465	6787	6864	6493	6732	6465	#DIV/0!	6.80E+03	5%
Gasoline CA/AK-PID	22031	21465	23713	22833	22979	20807	#DIV/0!	2.23E+04	5%
Calculated by:	TM				Reviewed by:		3/11/15		
Excel Spread sheet updated (Y/N)									
			Initia	Date/Time	TM 3/11				

Calculated									
Concentrations	50.0	100	500	1000	5000	10000	0		
BFB-FID	54	127	432	719	4731	11142	0		
BFB-PID	134	208	0	0	0	12501	0		
Benzene-FID	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
Benzene-PID	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
Toluene-FID	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
Toluene-PID	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
Ethylbenzene-FID	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
Ethylbenzene-PID	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
m,p-Xylenes-FID	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
m,p-Xylenes-PID	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
o-Xylene-FID	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
o-Xylene-PID	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
MTBE-FID	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
MTBE-PID	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
Gasoline CA/NW-FID	53.06	98.2	502.6	951	5082	9838	0		
Gasoline CA/NW-PID	48.97	95.5	531.1	1023	5184	9435	0		
Gasoline AK-FID	54.88	99.8	504.6	955	4949	9506	0		
Gasoline AK-PID	49.39	96.2	531.6	1024	5151	9328	0		

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\03-10-15\041F0101.D
Operator : TM
Instrument : GC2
Sample Name : 50G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 09:24 PM
Report Created on: 11 Mar 15 09:01 AM

Page Number : 1
Vial Number : 41
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\03-10-15\041F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.135	360	120	BV	0.050	0.0516
2	0.253	413	98	VV	0.066	0.0591
3	0.430	282	98	PV	0.048	0.0404
4	0.508	170539	36275	VV	0.066	24.4184
5	0.854	79093	6455	VV	0.163	11.3248
6	1.251	31301	3025	VV	0.142	4.4818
7	1.503	32282	4228	VV	0.112	4.6222
8	1.770	13997	1460	VV	0.122	2.0041
9	2.058	16667	1786	VV	0.134	2.3865
10	2.321	14000	892	VV	0.228	2.0046
11	2.644	15552	1034	VV	0.198	2.2268
12	2.918	8153	579	VV	0.186	1.1673
13	3.352	2355	440	VV	0.075	0.3372
14	3.396	1964	381	VV	0.086	0.2812
15	3.575	1287	342	VV	0.061	0.1843
16	3.622	2463	345	VV	0.119	0.3527
17	4.040	90747	10468	VV	0.132	12.9935
18	4.350	6716	541	VV	0.207	0.9616
19	4.847	4738	353	VV	0.184	0.6783
20	5.212	1745	193	VV	0.128	0.2498
21	5.377	2324	225	VV	0.172	0.3328
22	5.604	12866	2618	VV	0.074	1.8422
23	5.726	60546	8673	VV	0.105	8.6693
24	6.040	28569	4074	VV	0.105	4.0907
25	6.386	1930	285	VV	0.108	0.2763
26	6.480	3605	322	VV	0.187	0.5162
27	6.955	25776	2775	VV	0.130	3.6908
28	7.166	6485	1060	VV	0.093	0.9286
29	7.340	20418	3484	VV	0.089	2.9236
30	7.532	1301	315	VV	0.069	0.1863
31	7.663	6272	961	VV	0.097	0.8980
32	7.808	3288	464	VV	0.118	0.4708
33	8.050	6304	592	VV	0.136	0.9027
34	8.328	5695	518	VV	0.152	0.8154
35	8.574	1142	205	VV	0.076	0.1635
36	8.728	3370	413	VV	0.111	0.4825
37	8.925	3200	240	VV	0.170	0.4581
38	9.162	1609	259	VV	0.103	0.2303
39	9.264	556	208	VV	0.044	0.0795
40	9.373	1753	193	VV	0.129	0.2510
41	9.984	194	93	VV	0.035	0.0277
42	10.264	1479	130	PV	0.147	0.2118
43	10.415	326	95	PV	0.057	0.0467
44	10.807	397	90	PV	0.074	0.0568
45	12.680	251	75	PV	0.056	0.0359
46	12.906	300	84	VV	0.053	0.0429
47	12.999	300	73	PV	0.066	0.0429

Data File Name : C:\HPCHEM\2\DATA\03-10-15\041F0101.D
Operator : TM
Instrument : GC2
Sample Name : 50G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 09:24 PM
Report Created on: 11 Mar 15 09:01 AM

Page Number : 2
Vial Number : 41
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	13.176	230	73	VV	0.052	0.0330
49	13.263	227	81	VV	0.042	0.0325
50	13.402	485	95	PV	0.085	0.0695
51	13.469	159	84	VV	0.031	0.0227
52	13.643	335	82	VV	0.068	0.0480
53	14.087	164	92	VV	0.030	0.0235
54	14.190	486	60	PV	0.133	0.0695
55	14.368	189	52	PV	0.065	0.0270
56	14.531	635	96	VV	0.096	0.0909
57	14.664	195	61	VV	0.053	0.0279
58	14.771	290	60	PV	0.068	0.0415
59	15.141	100	32	PBA	0.075	0.0143

Total area = 698403

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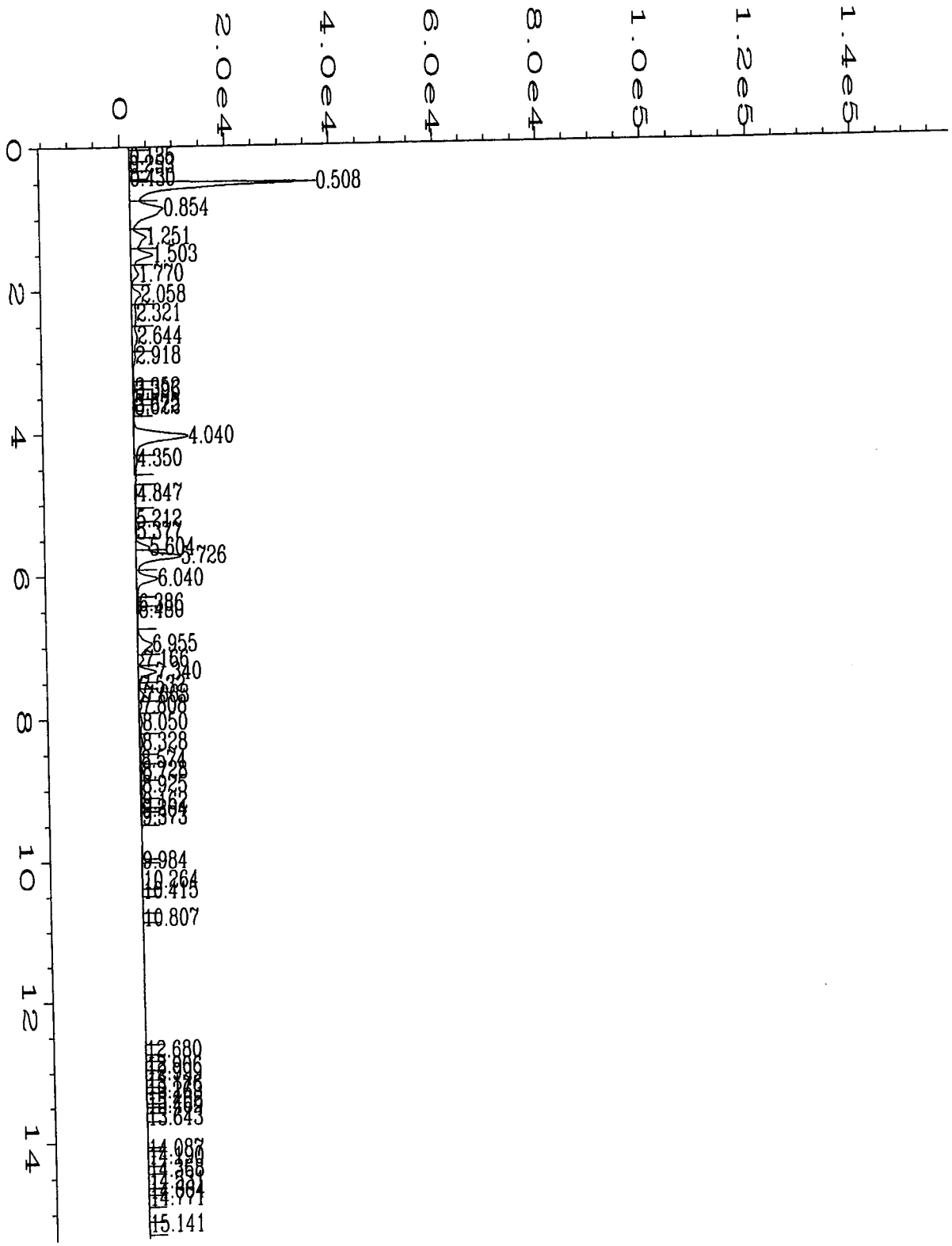


Data File Name : C:\HPCHEM\2\DATA\03-10-15\041F0101.D
Operator : TM
Instrument : GC2
Sample Name : 50G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 09:24 PM
Report Created on: 11 Mar 15 09:01 AM

Page Number : 1
Vial Number : 41
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Area Percent Report

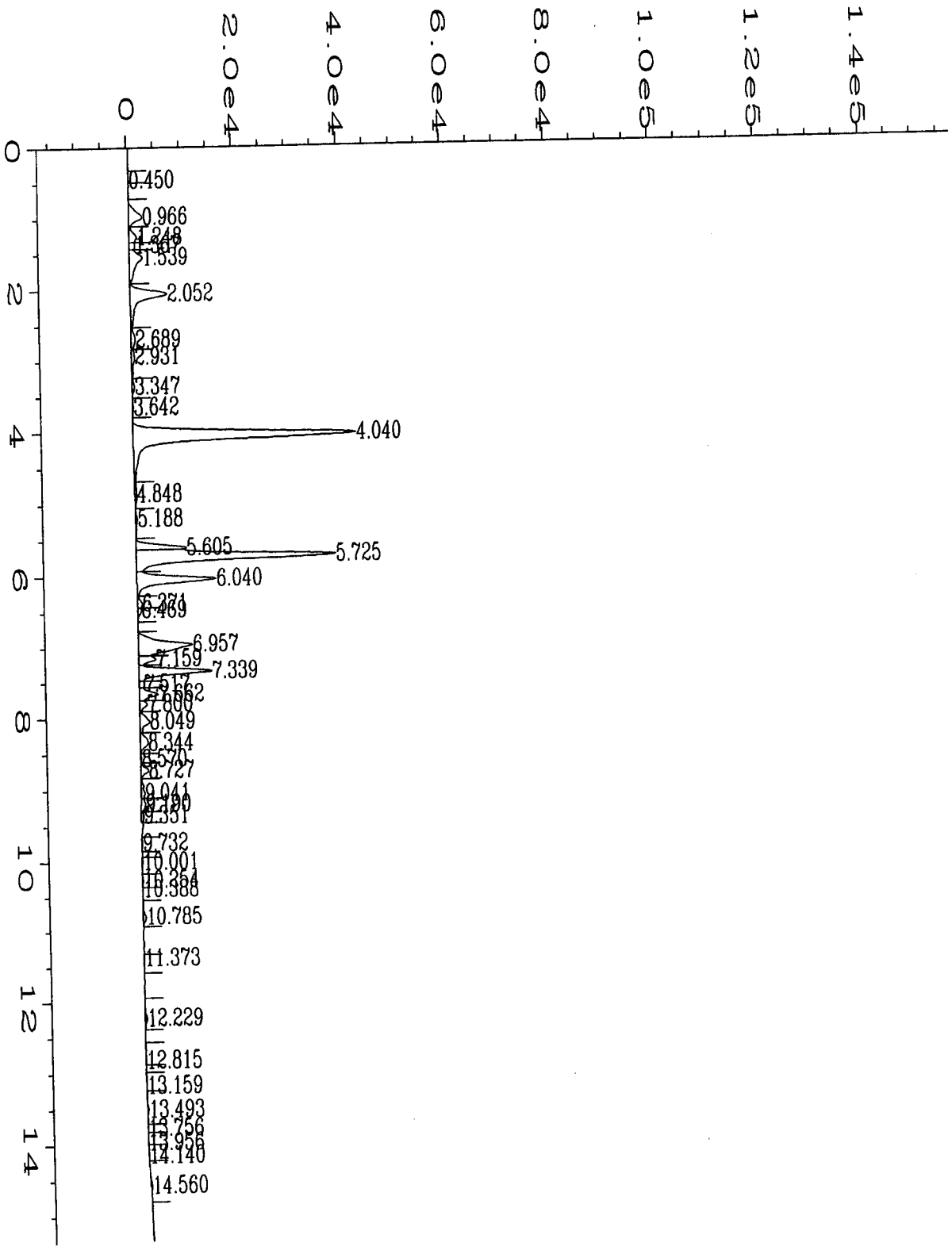
Data File Name : C:\HPCHEM\2\DATA\03-10-15\041R0101.D
Operator : TM
Instrument : GC2
Sample Name : 50G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 09:24 PM
Report Created on: 11 Mar 15 09:01 AM

Page Number : 1
Vial Number : 41
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\03-10-15\041R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.450	302	84	PV	0.060	0.0237
2	0.966	25630	2521	PV	0.149	2.0181
3	1.248	12153	1462	VV	0.117	0.9570
4	1.367	6273	1080	VV	0.084	0.4939
5	1.539	33364	2399	VV	0.193	2.6272
6	2.052	68100	7032	VV	0.142	5.3623
7	2.689	10318	804	VV	0.178	0.8125
8	2.931	9482	616	VV	0.197	0.7466
9	3.347	4389	457	VV	0.143	0.3456
10	3.642	1713	208	VV	0.110	0.1349
11	4.040	358995	42753	PV	0.128	28.2678
12	4.848	6200	392	VV	0.200	0.4882
13	5.188	5173	401	VV	0.161	0.4073
14	5.605	43773	9691	VV	0.070	3.4468
15	5.725	262056	38609	VV	0.102	20.6346
16	6.040	98161	15168	VV	0.099	7.7293
17	6.371	6211	902	VV	0.102	0.4891
18	6.469	3834	685	VV	0.093	0.3019
19	6.957	97563	10396	BV	0.129	7.6822
20	7.159	17945	3299	VV	0.082	1.4130
21	7.339	80476	14152	VV	0.087	6.3368
22	7.517	5476	998	VV	0.079	0.4312
23	7.662	21791	3635	VV	0.090	1.7158
24	7.800	8769	1525	VV	0.088	0.6905
25	8.049	17699	1857	VV	0.133	1.3936
26	8.344	15120	1477	VV	0.147	1.1906
27	8.570	1599	272	VV	0.089	0.1259
28	8.727	9501	1489	VV	0.098	0.7481
29	9.041	8206	776	VV	0.139	0.6462
30	9.190	6897	811	VV	0.116	0.5431
31	9.351	3526	451	VV	0.105	0.2777
32	9.732	1150	171	VV	0.092	0.0905
33	10.001	1059	151	VV	0.095	0.0834
34	10.254	963	174	PV	0.076	0.0758
35	10.388	611	84	VV	0.121	0.0481
36	10.785	4883	556	VV	0.124	0.3845
37	11.373	488	72	VB	0.095	0.0385
38	12.229	3262	355	PV	0.121	0.2569
39	12.815	445	73	PV	0.129	0.0351
40	13.159	331	34	PV	0.151	0.0260
41	13.493	2521	239	PV	0.137	0.1985
42	13.756	207	40	VV	0.087	0.0163
43	13.956	127	21	PV	0.103	0.0100
44	14.140	324	47	PV	0.097	0.0255
45	14.560	2911	283	PV	0.132	0.2292

Total area = 1269979



Data File Name : C:\HPCHEM\2\DATA\03-10-15\041R0101.D
Operator : TM
Instrument : GC2
Sample Name : 50G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 09:24 PM
Report Created on: 11 Mar 15 09:01 AM

Page Number : 1
Vial Number : 41
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Last update on 10/17/14 ME

PID Data File Name : C:\HPCHEM\2\DATA\03-10-15\041R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\03-10-15\041F0101.D

Operator : TM Page Number : 1

Instrument : GC2 Vial Number : 41

Sample Name : 50G 44-159 Injection Number : 1

Acquired on : 10-Mar-15 9:24 PM

Report Created on: 11 Mar 15 09:01 AM Analysis Method : GX.MTH

		Actual Time	Area	Cal Factor
Bromofluorobenzene				
% Recovery				
0	FID	6.386	1930	7.71E+05
0	PID	6.469	6211	6.53E+06

		Actual Time	Area	AL. FACTOR
Benzene				
0.88 ppb	FID	2.058	16667	1.90E+04
0.81 ppb	PID	2.052	68100	8.43E+04
Toluene				
5.15 ppb	FID	4.040	90747	1.76E+04
4.72 ppb	PID	4.040	358995	7.61E+04
Ethylbenzene				
0.89 ppb	FID	5.604	12866	1.45E+04
0.81 ppb	PID	5.605	43773	5.38E+04
m,p-Xylenes				
3.76 ppb	FID	5.726	60546	1.61E+04
3.55 ppb	PID	5.725	262056	7.39E+04
o-Xylene				
1.69 ppb	FID	6.040	28569	1.69E+04
1.48 ppb	PID	6.040	98161	6.65E+04
MTBE				
2.51 ppb	FID	1.503	32282	1.29E+04
2.08 ppb	PID	1.539	33364	1.60E+04
Gasoline (NWTPHD-Gx) from benzene peak start to naphthalene peak end				
53.06 ppb	FID		361466	6.81E+03
48.97 ppb	PID		1166762	2.38E+04
Gasoline (California, Alaska) from hexane peak start to decane peak start				
54.88 ppb	FID		373255	6.80E+03
49.39 ppb	PID		1101542	2.23E+04

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\03-10-15\042F0101.D
Operator : TM
Instrument : GC2
Sample Name : 100G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 09:45 PM
Report Created on: 11 Mar 15 09:02 AM

Page Number : 1
Vial Number : 42
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\03-10-15\042F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.189	579	86	PV	0.123	0.0449
2	0.508	329397	69607	VV	0.067	25.5536
3	0.860	144631	11232	VV	0.169	11.2200
4	1.263	57637	5273	VV	0.151	4.4713
5	1.511	49005	5592	VV	0.127	3.8016
6	1.775	24865	2502	VV	0.143	1.9289
7	2.069	34431	3160	VV	0.146	2.6711
8	2.322	23054	1539	VV	0.196	1.7885
9	2.671	25271	1756	VV	0.190	1.9605
10	2.918	14959	1059	VV	0.183	1.1605
11	3.371	8761	761	VV	0.152	0.6797
12	3.649	6899	630	VV	0.142	0.5352
13	4.050	178323	19479	VV	0.138	13.8337
14	4.516	4154	595	VV	0.116	0.3223
15	4.648	3230	469	VV	0.115	0.2506
16	4.867	6900	627	VV	0.140	0.5353
17	5.297	2108	319	VV	0.110	0.1636
18	5.395	1786	330	VV	0.090	0.1385
19	5.615	23663	4859	VV	0.074	1.8357
20	5.734	113812	16131	VV	0.105	8.8292
21	6.048	51270	7599	VV	0.102	3.9774
22	6.294	4485	488	VV	0.140	0.3479
23	6.498	4775	558	VV	0.114	0.3704
24	6.652	1165	265	VV	0.072	0.0904
25	6.732	1068	279	VV	0.054	0.0829
26	6.961	48665	5272	VV	0.128	3.7752
27	7.167	11823	1985	VV	0.089	0.9172
28	7.345	38697	6678	VV	0.088	3.0020
29	7.667	14108	1912	VV	0.109	1.0945
30	7.808	5663	908	VV	0.090	0.4393
31	8.055	12309	1081	VV	0.148	0.9549
32	8.297	11202	950	VV	0.181	0.8690
33	8.594	1878	361	VV	0.087	0.1457
34	8.725	6169	763	VV	0.119	0.4786
35	9.042	6036	501	VV	0.154	0.4683
36	9.158	2640	305	VV	0.136	0.2048
37	9.374	2589	324	VV	0.105	0.2009
38	9.507	1696	268	VV	0.105	0.1316
39	9.916	859	181	VV	0.067	0.0666
40	10.232	920	163	VV	0.094	0.0714
41	10.425	595	127	VV	0.075	0.0462
42	10.547	793	123	VV	0.087	0.0615
43	10.783	890	127	VV	0.096	0.0690
44	10.889	242	109	VV	0.037	0.0187
45	11.099	331	89	VV	0.062	0.0257
46	11.251	872	97	VV	0.150	0.0677
47	11.453	474	111	VV	0.071	0.0368

Data File Name : C:\HPCHEM\2\DATA\03-10-15\042F0101.D
Operator : TM
Instrument : GC2
Sample Name : 100G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 09:45 PM
Report Created on: 11 Mar 15 09:02 AM

Page Number : 2
Vial Number : 42
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	11.586	474	89	PV	0.088	0.0368
49	11.734	199	96	PV	0.035	0.0154
50	11.788	220	88	VV	0.042	0.0171
51	12.093	788	91	VB	0.130	0.0611
52	12.948	390	64	PV	0.101	0.0303
53	14.333	137	62	PV	0.037	0.0106
54	14.557	744	66	VV	0.146	0.0577
55	15.045	413	52	PV	0.103	0.0320

Total area = 1289047

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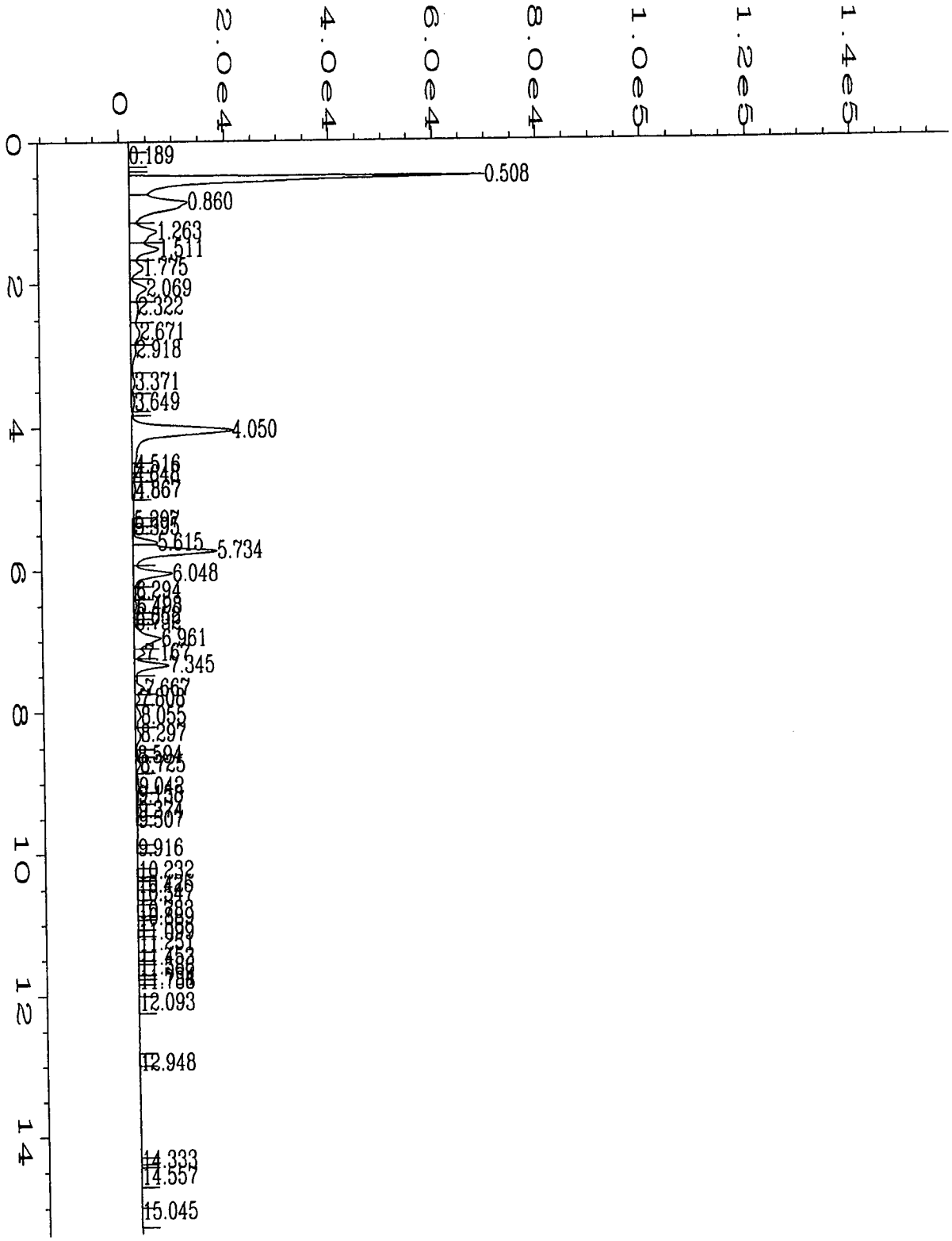

Data File Name : C:\HPCHEM\2\DATA\03-10-15\042F0101.D
Operator : TM
Instrument : GC2
Sample Name : 100G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 09:45 PM
Report Created on: 11 Mar 15 09:02 AM

Page Number : 1
Vial Number : 42
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\03-10-15\042R0101.D
Operator : TM
Instrument : GC2
Sample Name : 100G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 09:45 PM
Report Created on: 11 Mar 15 09:02 AM

Page Number : 1
Vial Number : 42
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\03-10-15\042R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.444	264	94	PV	0.047	0.0108
2	0.511	632	125	VV	0.084	0.0258
3	0.972	47937	4392	VV	0.159	1.9549
4	1.260	23571	2729	VV	0.123	0.9613
5	1.383	12135	2102	VV	0.086	0.4949
6	1.550	64166	4403	VV	0.202	2.6168
7	2.065	130996	12603	VV	0.150	5.3422
8	2.699	20043	1585	VV	0.184	0.8174
9	2.949	20123	1206	VV	0.228	0.8206
10	3.371	9475	897	VV	0.156	0.3864
11	3.664	4788	466	VV	0.136	0.1953
12	4.049	689640	80488	VV	0.130	28.1245
13	4.845	15579	922	VV	0.217	0.6353
14	5.201	6348	641	VV	0.135	0.2589
15	5.403	5597	584	VV	0.131	0.2283
16	5.617	83391	18502	VV	0.070	3.4008
17	5.733	501946	72623	VV	0.104	20.4701
18	6.048	192096	28925	VV	0.101	7.8340
19	6.373	9644	1387	VV	0.099	0.3933
20	6.483	13257	1623	VV	0.116	0.5407
21	6.961	194975	20412	VV	0.131	7.9514
22	7.164	35563	6452	VV	0.083	1.4503
23	7.344	158545	27998	VV	0.087	6.4657
24	7.525	7659	1584	VV	0.081	0.3124
25	7.666	42068	7054	VV	0.091	1.7156
26	7.807	17942	2952	VV	0.090	0.7317
27	8.050	37721	3881	VV	0.137	1.5383
28	8.347	32101	3046	VV	0.146	1.3091
29	8.580	3771	656	VV	0.096	0.1538
30	8.725	19766	2991	VV	0.103	0.8061
31	8.935	5620	1023	VV	0.081	0.2292
32	9.039	10669	1509	VV	0.105	0.4351
33	9.191	7499	992	VV	0.108	0.3058
34	9.351	6679	905	VV	0.107	0.2724
35	9.695	671	118	VV	0.095	0.0274
36	10.275	607	106	BV	0.087	0.0248
37	10.794	4367	555	BV	0.108	0.1781
38	11.384	1369	99.7	VB	0.239	0.0558
39	12.224	3487	371	VV	0.136	0.1422
40	12.533	735	62	VV	0.150	0.0300
41	13.495	2515	269	VV	0.120	0.1026
42	13.799	191	47	VV	0.067	0.0078
43	14.082	298	20	PV	0.228	0.0122
44	14.224	449	86	PV	0.080	0.0183
45	14.581	2896	330	PV	0.113	0.1181
46	14.700	827	157	VV	0.088	0.0337
47	15.229	1475	37	VV	0.501	0.0601

Total area = 2452095

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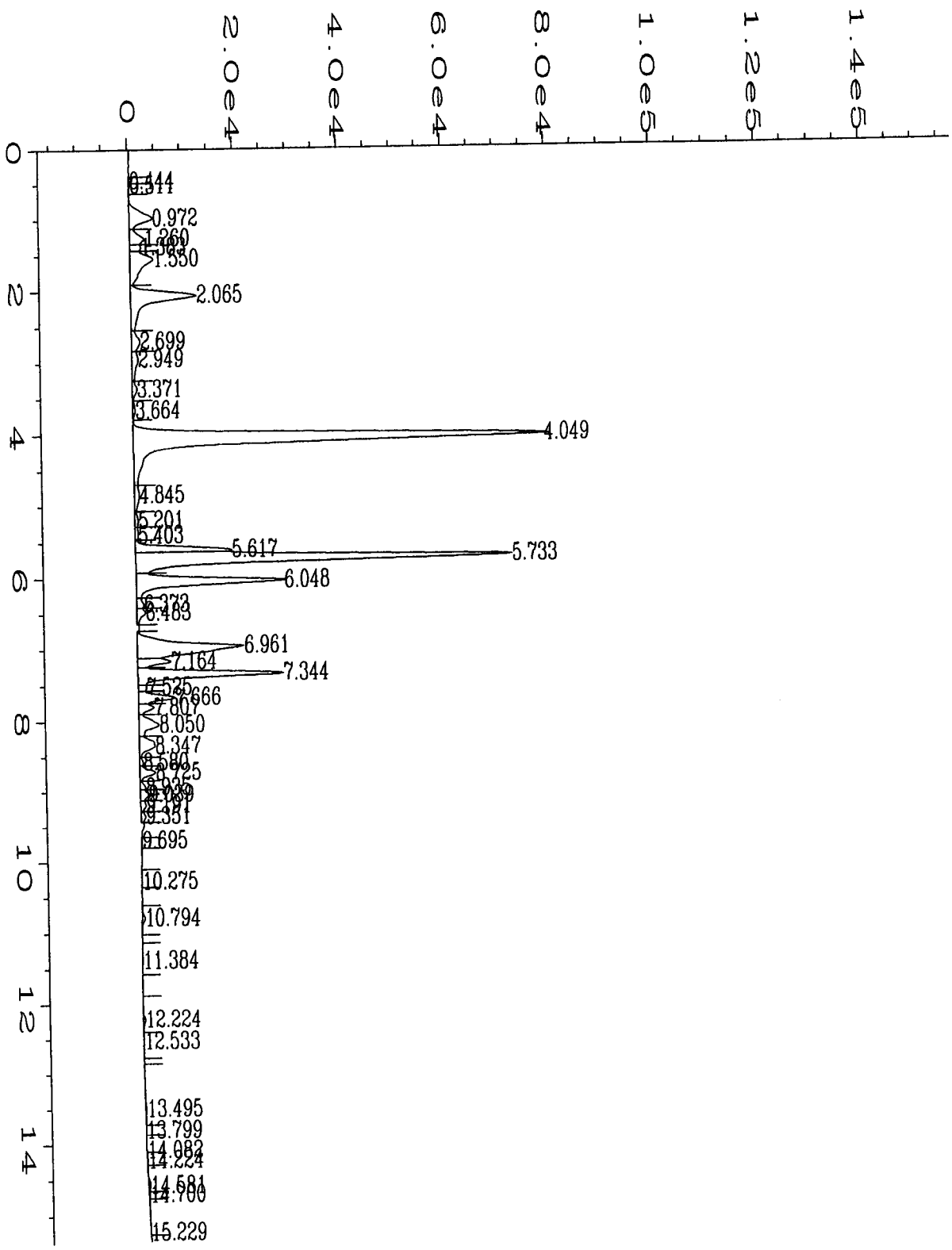

Data File Name : C:\HPCHEM\2\DATA\03-10-15\042R0101.D
Operator : TM
Instrument : GC2
Sample Name : 100G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 09:45 PM
Report Created on: 11 Mar 15 09:02 AM

Page Number : 1
Vial Number : 42
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Last update on 10/17/14 ME

PID Data File Name : C:\HPCHEM\2\DATA\03-10-15\042R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\03-10-15\042F0101.D

Operator : TM Page Number : 1

Instrument : GC2 Vial Number : 42

Sample Name : 100G 44-159 Injection Number : 1

Acquired on : 10-Mar-15 9:45 PM

Report Created on: 11 Mar 15 09:02 AM Analysis Method : GX.MTH

		Actual Time	Area	Cal Factor
Bromofluorobenzene				
% Recovery				
1	FID	6.294	4485	7.71E+05
0	PID	6.373	9644	6.53E+06
		Actual Time	Area	AL. FACTOR
Benzene				
1.82 ppb	FID	2.069	34431	1.90E+04
1.55 ppb	PID	2.065	130996	8.43E+04
Toluene				
10.13 ppb	FID	4.050	178323	1.76E+04
9.06 ppb	PID	4.049	689640	7.61E+04
Ethylbenzene				
1.64 ppb	FID	5.615	23663	1.45E+04
1.55 ppb	PID	5.617	83391	5.38E+04
m,p-Xylenes				
7.06 ppb	FID	5.734	113812	1.61E+04
6.80 ppb	PID	5.733	501946	7.39E+04
o-Xylene				
3.03 ppb	FID	6.048	51270	1.69E+04
2.89 ppb	PID	6.048	192096	6.65E+04
MTBE				
3.81 ppb	FID	1.511	49005	1.29E+04
4.01 ppb	PID	1.550	64166	1.60E+04
Gasoline (NWTPHD-Gx) from benzene peak start to naphthalene peak end				
98.22 ppb	FID		669104	6.81E+03
95.47 ppb	PID		2274528	2.38E+04
Gasoline (California, Alaska) from hexane peak start to decane peak start				
99.79 ppb	FID		678684	6.80E+03
96.24 ppb	PID		2146528	2.23E+04

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\03-10-15\043F0101.D
Operator : TM
Instrument : GC2
Sample Name : 500G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 10:05 PM
Report Created on: 11 Mar 15 09:03 AM

Page Number : 1
Vial Number : 43
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\03-10-15\043F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.194	598	91	BV	0.111	0.0122
2	0.251	133	68	VV	0.032	0.0027
3	0.320	515	107	PV	0.080	0.0105
4	0.508	213349	45771	VV	0.066	4.3542
5	0.853	261999	48180	VV	0.081	5.3470
6	0.929	344832	46927	VV	0.103	7.0376
7	1.262	297127	27129	VV	0.154	6.0640
8	1.508	190608	20644	VV	0.134	3.8901
9	1.776	122599	12929	VV	0.142	2.5021
10	2.065	164006	15908	VV	0.151	3.3471
11	2.345	130427	7938	VV	0.220	2.6618
12	2.696	116634	8984	VV	0.189	2.3804
13	2.934	73718	5472	VV	0.177	1.5045
14	3.369	41771	3632	VV	0.170	0.8525
15	3.640	37208	3193	VV	0.168	0.7594
16	4.048	900187	106072	VV	0.128	18.3716
17	4.409	41485	4540	VV	0.130	0.8467
18	4.624	22746	2277	VV	0.132	0.4642
19	4.866	39367	2946	VV	0.185	0.8034
20	5.203	7856	983	VV	0.111	0.1603
21	5.362	18265	1410	VV	0.176	0.3728
22	5.616	133337	26295	VV	0.077	2.7212
23	5.739	595562	87135	VV	0.103	12.1546
24	6.054	265551	40419	VV	0.099	5.4195
25	6.309	15320	1913	VV	0.116	0.3127
26	6.494	22102	2632	VV	0.122	0.4511
27	6.964	252726	27705	VV	0.127	5.1578
28	7.169	57413	9896	VV	0.087	1.1717
29	7.346	198281	35307	VV	0.087	4.0467
30	7.532	9382	1861	VV	0.072	0.1915
31	7.669	57686	9841	VV	0.089	1.1773
32	7.809	27170	4356	VV	0.092	0.5545
33	8.049	58785	5519	VV	0.143	1.1997
34	8.346	55194	4994	VV	0.152	1.1264
35	8.584	9581	1533	VV	0.088	0.1955
36	8.724	28827	4143	VV	0.106	0.5883
37	8.934	10186	1730	VV	0.089	0.2079
38	9.040	18973	2548	VV	0.110	0.3872
39	9.154	6699	1120	VV	0.100	0.1367
40	9.345	14194	1597	VV	0.127	0.2897
41	9.503	8722	1031	VV	0.115	0.1780
42	9.742	3102	482	VV	0.107	0.0633
43	9.867	3394	462	VV	0.111	0.0693
44	9.983	3939	446	VV	0.123	0.0804
45	10.134	1860	400	VV	0.077	0.0380
46	10.269	3258	424	VV	0.115	0.0665
47	10.399	2411	341	VV	0.118	0.0492

Data File Name : C:\HPCHEM\2\DATA\03-10-15\043F0101.D
Operator : TM
Instrument : GC2
Sample Name : 500G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 10:05 PM
Report Created on: 11 Mar 15 09:03 AM

Page Number : 2
Vial Number : 43
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	10.837	2126	204	VV	0.157	0.0434
49	11.135	1503	158	VV	0.161	0.0307
50	11.285	1401	160	VV	0.146	0.0286
51	11.682	744	116	VV	0.107	0.0152
52	11.966	467	97	VV	0.081	0.0095
53	12.101	825	100	VV	0.142	0.0168
54	12.264	341	102	VV	0.056	0.0070
55	12.547	335	74	PV	0.076	0.0068
56	13.381	604	80	PV	0.126	0.0123
57	13.953	471	69	PV	0.092	0.0096
58	14.193	151	71	PV	0.047	0.0031
59	14.585	858	93	PV	0.137	0.0175
60	14.639	323	85	VV	0.063	0.0066
61	14.757	306	72	VV	0.070	0.0062
62	15.067	338	89	PV	0.063	0.0069

Total area = 4899878

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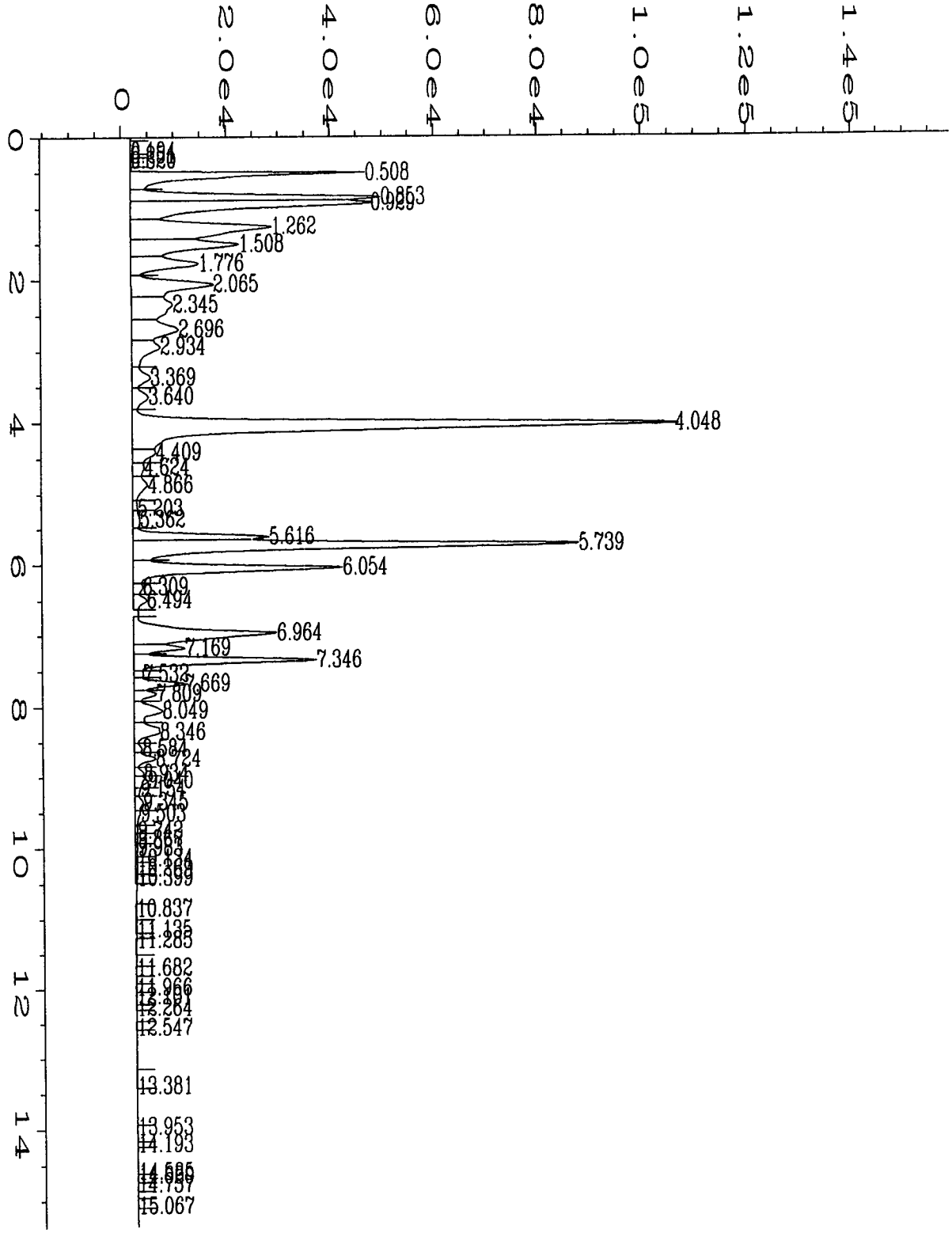

Data File Name : C:\HPCHEM\2\DATA\03-10-15\043F0101.D

Operator	: TM	Page Number	: 1
Instrument	: GC2	Vial Number	: 43
Sample Name	: 500G 44-159	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Mar 15 10:05 PM	Instrument Method	: GX.MTH
Report Created on	: 11 Mar 15 09:03 AM	Analysis Method	: GX.MTH

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\03-10-15\043R0101.D
Operator : TM
Instrument : GC2
Sample Name : 500G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 10:05 PM
Report Created on: 11 Mar 15 09:03 AM

Page Number : 1
Vial Number : 43
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\03-10-15\043R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.442	214	95	PV	0.046	0.0016
2	0.511	323	99.9	VV	0.054	0.0024
3	0.973	233531	23155	PV	0.149	1.7304
4	1.260	108627	13152	VV	0.121	0.8049
5	1.374	58708	10742	VV	0.077	0.4350
6	1.547	346620	23447	VV	0.204	2.5683
7	2.063	709508	65635	VV	0.159	5.2571
8	2.702	115906	9111	VV	0.191	0.8588
9	2.945	123325	7272	VV	0.236	0.9138
10	3.368	62070	5558	VV	0.167	0.4599
11	3.649	38003	3235	VV	0.173	0.2816
12	4.048	3746734	447004	VV	0.126	27.7616
13	4.859	98405	5226	VV	0.249	0.7291
14	5.209	23726	2489	VV	0.137	0.1758
15	5.382	33067	3027	VV	0.163	0.2450
16	5.616	499836	103232	VV	0.074	3.7036
17	5.739	2720641	403356	VV	0.102	20.1587
18	6.053	1085023	160453	VV	0.102	8.0395
19	6.491	96726	9022	VV	0.147	0.7167
20	6.965	1073190	111466	VV	0.132	7.9519
21	7.168	192510	34821	VV	0.083	1.4264
22	7.345	891453	153926	VV	0.089	6.6053
23	7.667	226920	38619	VV	0.089	1.6814
24	7.808	103611	16846	VV	0.091	0.7677
25	8.051	225538	22714	VV	0.155	1.6711
26	8.346	198116	18404	VV	0.150	1.4680
27	8.577	29813	4828	VV	0.088	0.2209
28	8.724	127587	18962	VV	0.103	0.9454
29	8.933	39767	6998	VV	0.084	0.2947
30	9.039	95713	9916	VV	0.135	0.7092
31	9.343	64186	8059	VV	0.114	0.4756
32	9.487	30748	3779	VV	0.114	0.2278
33	9.727	9404	1404	VV	0.108	0.0697
34	9.842	10364	1457	VV	0.097	0.0768
35	9.992	11214	1464	VV	0.107	0.0831
36	10.126	8718	1192	VV	0.103	0.0646
37	10.279	8777	1311	VV	0.097	0.0650
38	10.393	9385	1329	VV	0.099	0.0695
39	10.525	9700	1075	VV	0.150	0.0719
40	10.794	15565	1043	VV	0.190	0.1153
41	12.216	4878	451	VV	0.141	0.0361
42	13.495	2764	260	PV	0.150	0.0205
43	13.788	138	50	PV	0.043	0.0010
44	13.865	186	63	VV	0.045	0.0014
45	14.161	89	26	PV	0.058	0.0007
46	14.561	3449	328	PV	0.151	0.0256
47	15.112	1181	41	VV	0.353	0.0087

48	15.241	125	43	PV	0.049	0.0009

Total area = 1.34961E+007

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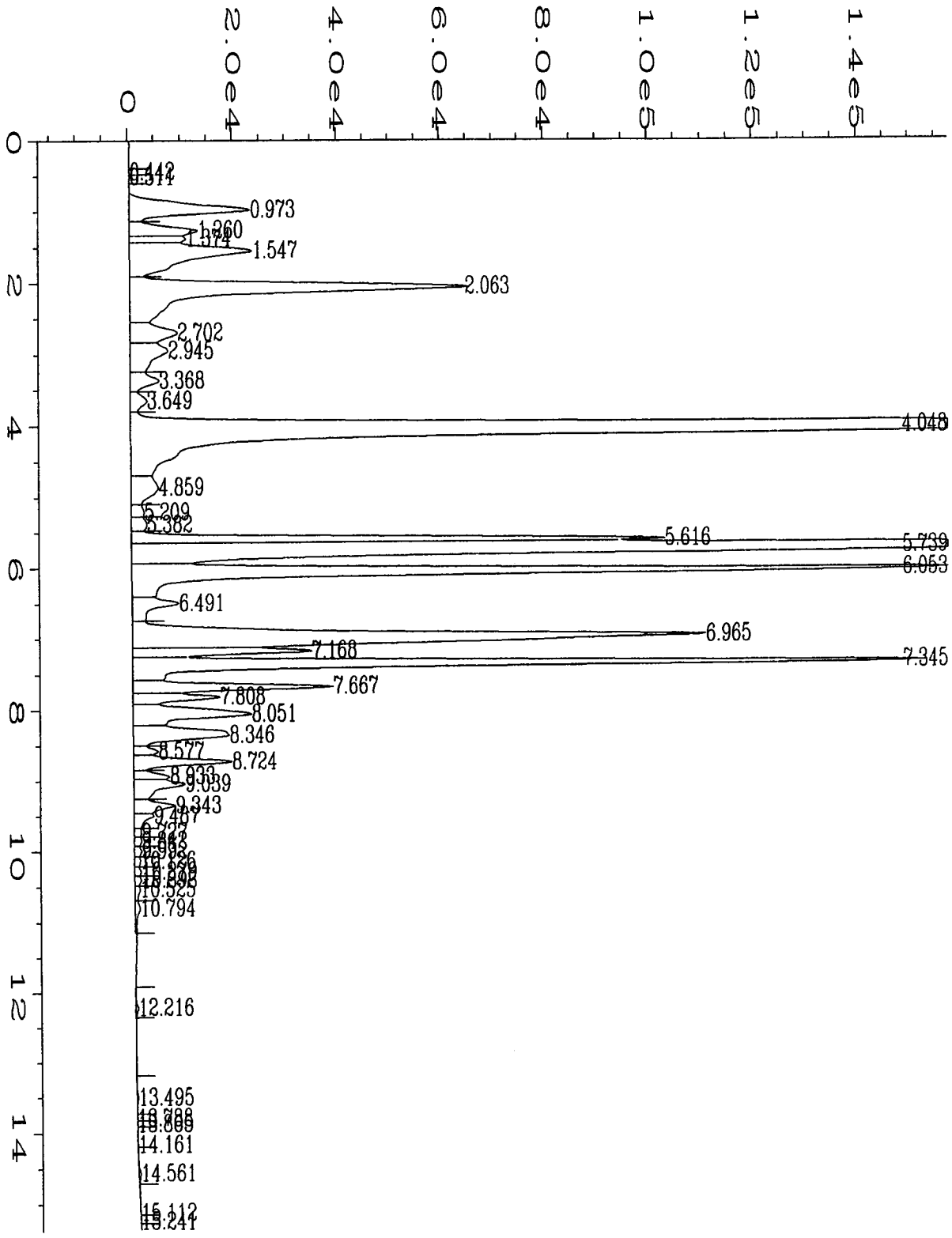

Data File Name : C:\HPCHEM\2\DATA\03-10-15\043R0101.D
Operator : TM
Instrument : GC2
Sample Name : 500G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 10:05 PM
Report Created on: 11 Mar 15 09:03 AM

Page Number : 1
Vial Number : 43
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Last update on 10/17/14 ME

PID Data File Name : C:\HPCHEM\2\DATA\03-10-15\043R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\03-10-15\043F0101.D

Operator : TM Page Number : 1

Instrument : GC2 Vial Number : 43

Sample Name : 500G 44-159 Injection Number : 1

Acquired on : 10-Mar-15 10:05 PM

Report Created on: 11 Mar 15 09:03 AM Analysis Method : GX.MTH

		Actual Time	Area	Cal Factor
Bromofluorobenzene				
% Recovery				
2	FID	6.309	15320	7.71E+05
0	PID	0.000	0	6.53E+06
		Actual Time	Area	AL. FACTOR
Benzene				
8.65 ppb	FID	2.065	164006	1.90E+04
8.41 ppb	PID	2.063	709508	8.43E+04
Toluene				
51.12 ppb	FID	4.048	900187	1.76E+04
49.23 ppb	PID	4.048	3746734	7.61E+04
Ethylbenzene				
9.22 ppb	FID	5.616	133337	1.45E+04
9.30 ppb	PID	5.616	499836	5.38E+04
m,p-Xylenes				
36.96 ppb	FID	5.739	595562	1.61E+04
36.84 ppb	PID	5.739	2720641	7.39E+04
o-Xylene				
15.68 ppb	FID	6.054	265551	1.69E+04
16.31 ppb	PID	6.053	1085023	6.65E+04
MTBE				
14.81 ppb	FID	1.508	190608	1.29E+04
21.65 ppb	PID	1.547	346620	1.60E+04
Gasoline (NWTPHD-Gx) from benzene peak start to naphthalene peak end				
502.63 ppb	FID		3424041	6.81E+03
531.07 ppb	PID		1.3E+07	2.38E+04
Gasoline (California, Alaska) from hexane peak start to decane peak start				
504.62 ppb	FID		3431849	6.80E+03
531.58 ppb	PID		1.2E+07	2.23E+04

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\03-10-15\044F0101.D
Operator : TM
Instrument : GC2
Sample Name : 1000G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 10:26 PM
Report Created on: 11 Mar 15 09:04 AM

Page Number : 1
Vial Number : 44
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\03-10-15\044F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.506	287564	61659	PV	0.076	3.2139
2	0.856	370304	72183	VV	0.077	4.1386
3	0.934	626739	80015	VV	0.109	7.0046
4	1.271	551319	48584	VV	0.161	6.1617
5	1.508	352273	35283	VV	0.143	3.9371
6	1.786	226538	24031	VV	0.141	2.5318
7	2.076	303248	29019	VV	0.154	3.3892
8	2.341	246574	14817	VV	0.223	2.7558
9	2.699	218276	16856	VV	0.189	2.4395
10	2.934	138657	10185	VV	0.198	1.5497
11	3.368	75946	6670	VV	0.168	0.8488
12	3.638	69518	5894	VV	0.178	0.7770
13	4.045	1712947	201742	VV	0.128	19.1444
14	4.403	74921	8350	VV	0.131	0.8373
15	4.614	40828	4156	VV	0.140	0.4563
16	4.864	72251	5406	VV	0.186	0.8075
17	5.200	12295	1620	VV	0.100	0.1374
18	5.362	31001	2486	VV	0.166	0.3465
19	5.614	256412	50180	VV	0.078	2.8657
20	5.739	1137348	167958	VV	0.102	12.7113
21	6.054	503664	77152	VV	0.099	5.6291
22	6.308	25476	3283	VV	0.110	0.2847
23	6.494	41776	4798	VV	0.124	0.4669
24	6.965	490558	53008	VV	0.129	5.4826
25	7.170	108598	18571	VV	0.088	1.2137
26	7.346	379378	67856	VV	0.086	4.2400
27	7.528	15828	3206	VV	0.072	0.1769
28	7.669	108099	18692	VV	0.088	1.2081
29	7.811	50895	8227	VV	0.093	0.5688
30	8.049	97668	10377	VV	0.149	1.0916
31	8.347	114968	9511	VV	0.182	1.2849
32	8.586	17826	2726	VV	0.097	0.1992
33	8.726	53824	7982	VV	0.102	0.6016
34	8.933	18721	3241	VV	0.086	0.2092
35	9.041	44863	4750	VV	0.130	0.5014
36	9.343	25769	3135	VV	0.116	0.2880
37	9.490	16182	1765	VV	0.125	0.1809
38	9.736	3558	639	VV	0.078	0.0398
39	9.822	4536	648	VV	0.102	0.0507
40	9.989	4288	582	VV	0.097	0.0479
41	10.146	3823	543	VV	0.100	0.0427
42	10.285	3453	536	VV	0.096	0.0386
43	10.387	2849	472	VV	0.081	0.0318
44	10.533	2981	379	VV	0.131	0.0333
45	11.707	133	69	PV	0.033	0.0015
46	12.062	492	77	PV	0.119	0.0055
47	12.252	250	84	PV	0.050	0.0028

Data File Name : C:\HPCHEM\2\DATA\03-10-15\044F0101.D
Operator : TM
Instrument : GC2
Sample Name : 1000G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 10:26 PM
Report Created on: 11 Mar 15 09:04 AM

Page Number : 2
Vial Number : 44
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	12.401	200	81	PV	0.041	0.0022
49	13.412	981	76	PV	0.194	0.0110
50	13.787	934	82	VV	0.190	0.0104

Total area = 8947530

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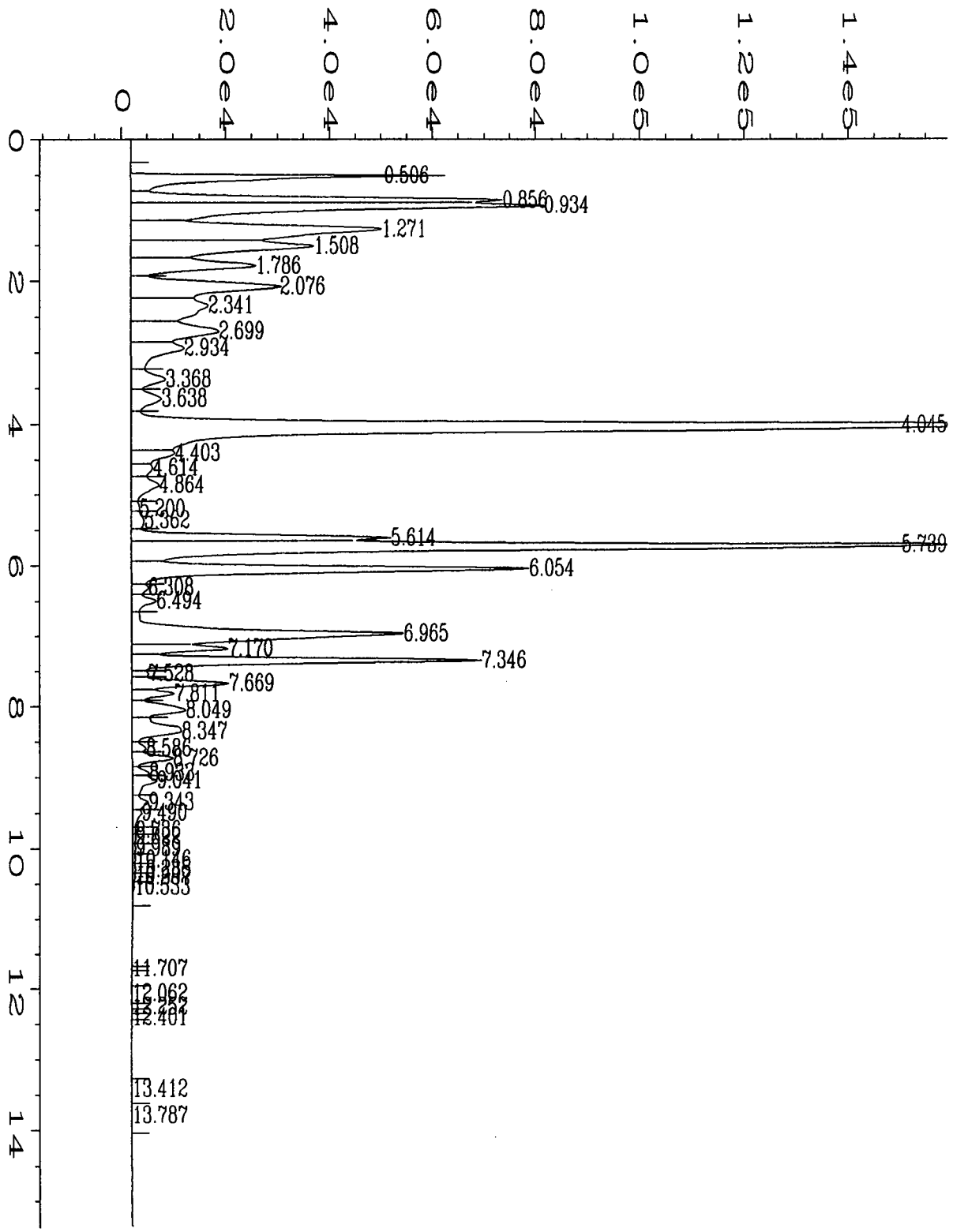


Data File Name	: C:\HPCHEM\2\DATA\03-10-15\044F0101.D		
Operator	: TM	Page Number	: 1
Instrument	: GC2	Vial Number	: 44
Sample Name	: 1000G 44-159	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Mar 15 10:26 PM	Instrument Method	: GX.MTH
Report Created on	: 11 Mar 15 09:04 AM	Analysis Method	: GX.MTH

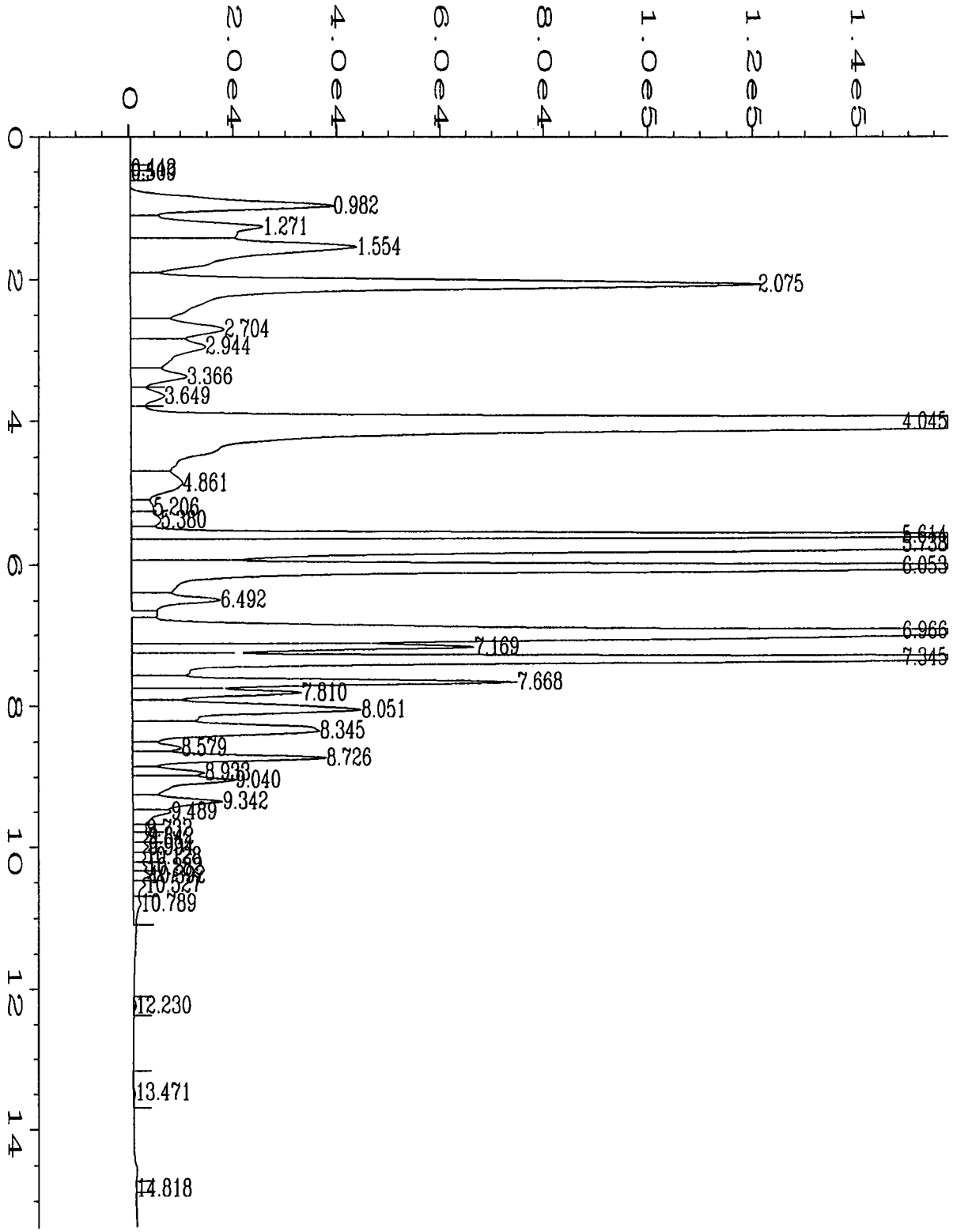
Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\03-10-15\044R0101.D
Operator : TM
Instrument : GC2
Sample Name : 1000G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 10:26 PM
Report Created on: 11 Mar 15 09:04 AM
Page Number : 1
Vial Number : 44
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\03-10-15\044R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.442	301	114	PV	0.041	0.0012
2	0.509	533	130	VV	0.068	0.0021
3	0.982	390024	39477	PV	0.147	1.5032
4	1.271	328656	25461	VV	0.177	1.2667
5	1.554	683782	43615	VV	0.218	2.6353
6	2.075	1370203	122230	VV	0.164	5.2808
7	2.704	228298	17902	VV	0.187	0.8799
8	2.944	246464	14354	VV	0.237	0.9499
9	3.366	123124	10816	VV	0.169	0.4745
10	3.649	75764	6486	VV	0.175	0.2920
11	4.045	7179679	851070	VV	0.128	27.6708
12	4.861	185611	9874	VV	0.269	0.7154
13	5.206	38336	4343	VV	0.126	0.1477
14	5.380	64536	5700	VV	0.168	0.2487
15	5.614	978132	200515	VV	0.075	3.7698
16	5.738	5248170	778057	VV	0.102	20.2267
17	6.053	2071348	308791	VV	0.101	7.9831
18	6.492	151209	17044	VV	0.126	0.5828
19	6.966	2096004	216589	VV	0.133	8.0781
20	7.169	370655	66586	VV	0.084	1.4285
21	7.345	1721222	298691	VV	0.089	6.6337
22	7.668	436113	74749	VV	0.089	1.6808
23	7.810	200946	32683	VV	0.092	0.7745
24	8.051	437330	44109	VV	0.155	1.6855
25	8.345	386735	35961	VV	0.150	1.4905
26	8.579	58039	9396	VV	0.090	0.2237
27	8.726	251590	37683	VV	0.102	0.9696
28	8.933	79254	13890	VV	0.084	0.3054
29	9.040	183051	19735	VV	0.130	0.7055
30	9.342	134690	17304	VV	0.111	0.5191
31	9.489	60762	7367	VV	0.114	0.2342
32	9.732	16470	2662	VV	0.086	0.0635
33	9.842	22200	2939	VV	0.106	0.0856
34	9.994	21667	2985	VV	0.103	0.0835
35	10.128	18159	2464	VV	0.102	0.0700
36	10.282	17114	2644	VV	0.092	0.0660
37	10.392	21528	3199	VV	0.097	0.0830
38	10.527	21012	2353	VV	0.125	0.0810
39	10.789	21786	1392	VV	0.203	0.0840
40	12.230	3327	406	VV	0.117	0.0128
41	13.471	2747	301	PV	0.117	0.0106
42	14.818	221	30	VV	0.118	0.0009

Total area = 2.59468E+007



Data File Name : C:\HPCHEM\2\DATA\03-10-15\044R0101.D
Operator : TM
Instrument : GC2
Sample Name : 1000G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 10:26 PM
Report Created on: 11 Mar 15 09:04 AM

Page Number : 1
Vial Number : 44
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Last update on 10/17/14 ME

PID Data File Name : C:\HPCHEM\2\DATA\03-10-15\044R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\03-10-15\044F0101.D
Operator : TM Page Number : 1
Instrument : GC2 Vial Number : 44
Sample Name : 1000G 44-159 Injection Number : 1
Acquired on : 10-Mar-15 10:26 PM
Report Created on: 11 Mar 15 09:04 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
3	FID	6.308	25476	7.71E+05
0	PID	0.000	0	6.53E+06
Benzene		Actual Time	Area	AL. FACTOR
15.99 ppb	FID	2.076	303248	1.90E+04
16.25 ppb	PID	2.075	1370203	8.43E+04
Toluene				
97.28 ppb	FID	4.045	1712947	1.76E+04
94.34 ppb	PID	4.045	7179679	7.61E+04
Ethylbenzene				
17.72 ppb	FID	5.614	256412	1.45E+04
18.19 ppb	PID	5.614	978132	5.38E+04
m,p-Xylenes				
70.59 ppb	FID	5.739	1137348	1.61E+04
71.06 ppb	PID	5.738	5248170	7.39E+04
o-Xylene				
29.73 ppb	FID	6.054	503664	1.69E+04
31.14 ppb	PID	6.053	2071348	6.65E+04
MTBE				
27.37 ppb	FID	1.508	352273	1.29E+04
42.71 ppb	PID	1.554	683782	1.60E+04
Gasoline (NWTPHD-Gx) from benzene peak start to naphthalene peak end				
951.06 ppb	FID		6478839	6.81E+03
1023.24 ppb	PID		2.4E+07	2.38E+04
Gasoline (California, Alaska) from hexane peak start to decane peak start				
954.74 ppb	FID		6493007	6.80E+03
1023.67 ppb	PID		2.3E+07	2.23E+04

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\03-10-15\045F0101.D
Operator : TM
Instrument : GC2
Sample Name : 5000G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 10:46 PM
Report Created on: 11 Mar 15 09:05 AM

Page Number : 1
Vial Number : 45
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\03-10-15\045F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.507	196839	42593	VV	0.064	0.4618
2	0.931	1685746	173957	VV	0.131	3.9550
3	1.080	274567	58370	VV	0.078	0.6442
4	1.287	2797882	261239	VV	0.149	6.5643
5	1.534	1586619	170341	VV	0.137	3.7225
6	1.786	972447	109440	VV	0.132	2.2815
7	2.088	1390546	161825	VV	0.128	3.2625
8	2.339	1259422	73179	VV	0.227	2.9548
9	2.694	1155172	92056	VV	0.187	2.7102
10	2.925	727358	53572	VV	0.195	1.7065
11	3.374	384965	33266	VV	0.173	0.9032
12	3.637	373704	32434	VV	0.172	0.8768
13	4.043	8924644	1049815	VV	0.128	20.9387
14	4.408	376719	43126	VV	0.128	0.8838
15	4.611	227050	22805	VV	0.143	0.5327
16	4.860	382105	31003	VV	0.172	0.8965
17	5.370	256194	14057	VV	0.258	0.6011
18	5.611	1384187	266468	VV	0.079	3.2475
19	5.738	5976103	922906	VV	0.098	14.0210
20	6.053	2620054	420181	VV	0.095	6.1471
21	6.313	167611	21090	VV	0.115	0.3932
22	6.493	209351	25849	VV	0.116	0.4912
23	6.966	2775664	298602	VV	0.129	6.5122
24	7.170	637021	107705	VV	0.089	1.4946
25	7.347	2039251	368512	VV	0.086	4.7844
26	7.534	129917	23496	VV	0.082	0.3048
27	7.670	583224	100853	VV	0.088	1.3683
28	7.813	322116	50592	VV	0.094	0.7557
29	8.047	563859	57799	VV	0.153	1.3229
30	8.299	749770	56941	VV	0.171	1.7591
31	8.593	141979	20511	VV	0.100	0.3331
32	8.727	319020	45024	VV	0.106	0.7485
33	8.932	123789	20426	VV	0.089	0.2904
34	9.041	284922	28108	VV	0.139	0.6685
35	9.338	180759	22421	VV	0.113	0.4241
36	9.499	122780	11740	VV	0.138	0.2881
37	9.733	33358	5401	VV	0.090	0.0783
38	9.842	43464	5662	VV	0.111	0.1020
39	9.992	37784	5363	VV	0.102	0.0886
40	10.130	43091	5213	VV	0.119	0.1011
41	10.274	30989	4768	VV	0.089	0.0727
42	10.387	40059	5934	VV	0.097	0.0940
43	10.513	58659	4595	VV	0.170	0.1376
44	10.906	25217	1898	VV	0.178	0.0592
45	12.368	1160	271	VV	0.071	0.0027
46	12.828	750	174	VV	0.072	0.0018
47	13.145	474	103	VV	0.077	0.0011

Data File Name : C:\HPCHEM\2\DATA\03-10-15\045F0101.D
Operator : TM
Instrument : GC2
Sample Name : 5000G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 10:46 PM
Report Created on: 11 Mar 15 09:05 AM

Page Number : 2
Vial Number : 45
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	13.419	910	93	VV	0.164	0.0021
49	14.019	246	77	BV	0.053	0.0006
50	14.133	208	77	PV	0.045	0.0005
51	14.202	719	91	VV	0.132	0.0017
52	14.489	521	88	PV	0.098	0.0012
53	14.604	713	78	VV	0.152	0.0017
54	14.821	266	64	PV	0.060	0.0006
55	14.953	408	71	VV	0.090	0.0010
56	15.084	299	71	VV	0.070	0.0007

Total area = 4.26226E+007

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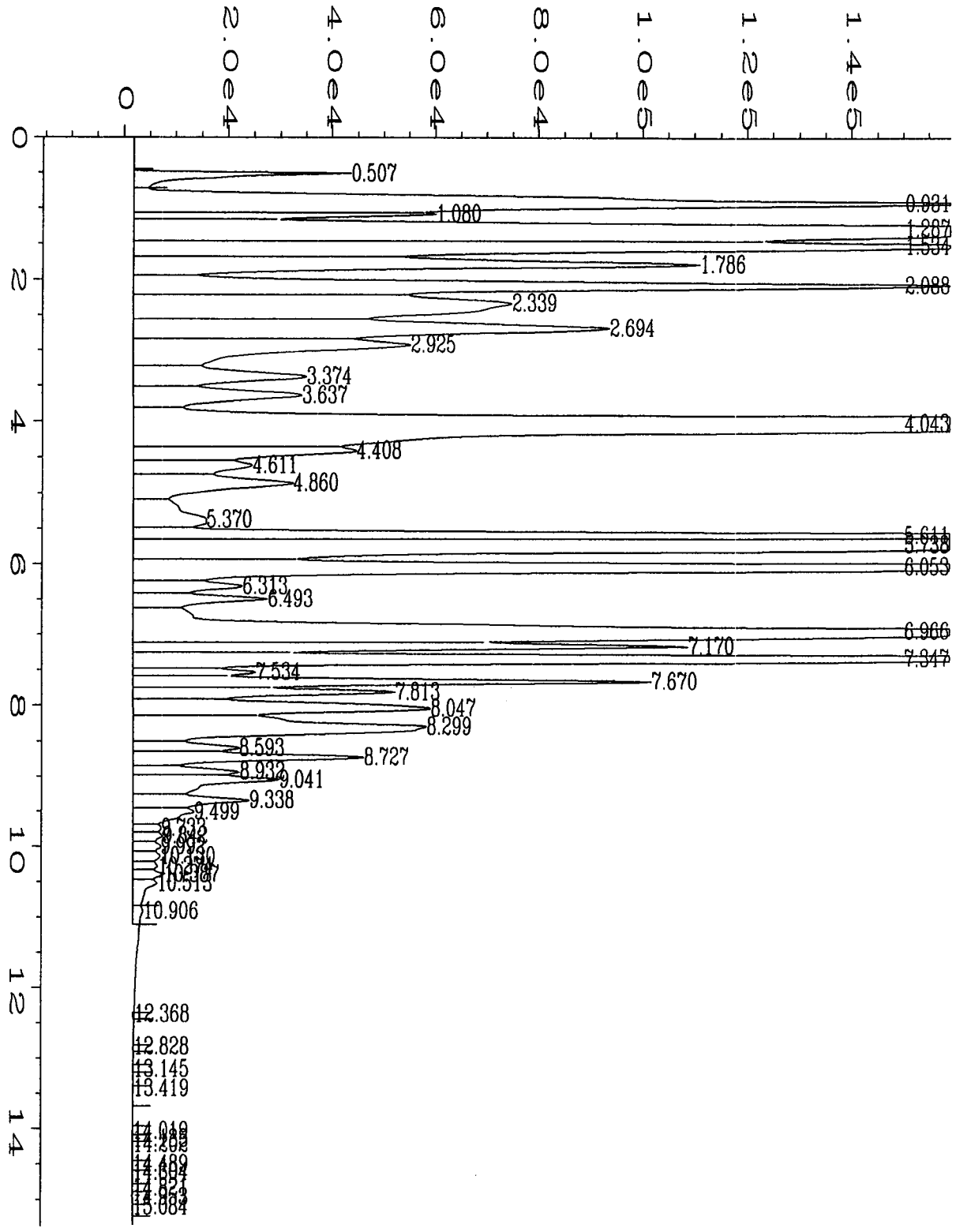

Data File Name : C:\HPCHEM\2\DATA\03-10-15\045F0101.D
Operator : TM
Instrument : GC2
Sample Name : 5000G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 10:46 PM
Report Created on: 11 Mar 15 09:05 AM

Page Number : 1
Vial Number : 45
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\03-10-15\045R0101.D
Operator : TM
Instrument : GC2
Sample Name : 5000G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 10:46 PM
Report Created on: 11 Mar 15 09:05 AM

Page Number : 1
Vial Number : 45
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\03-10-15\045R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.445	1134	147	BV	0.138	0.0009
2	0.991	845897	91387	PV	0.138	0.6481
3	1.284	1005173	131135	VV	0.114	0.7701
4	1.417	625578	109092	VV	0.083	0.4793
5	1.574	3224636	229381	VV	0.195	2.4707
6	2.087	6669141	688308	VV	0.141	5.1098
7	2.697	1217433	97367	VV	0.184	0.9328
8	2.942	1292959	74852	VV	0.241	0.9906
9	3.372	631607	54421	VV	0.172	0.4839
10	3.646	413491	35719	VV	0.171	0.3168
11	4.043	3.46662E+007	4154622	VV	0.128	26.5606
12	4.402	692853	75878	VV	0.152	0.5309
13	4.589	307282	42578	VV	0.120	0.2354
14	4.859	886109	49429	VV	0.239	0.6789
15	5.378	516734	29309	VV	0.245	0.3959
16	5.610	5164870	1034837	VV	0.077	3.9572
17	5.737	2.5883E+007	3977216	VV	0.100	19.8311
18	6.052	1.02077E+007	1595645	VV	0.097	7.8210
19	6.491	699144	84688	VV	0.118	0.5357
20	6.966	1.12433E+007	1165302	VV	0.133	8.6144
21	7.170	1972491	357717	VV	0.084	1.5113
22	7.346	8581229	1539780	VV	0.086	6.5748
23	7.532	246223	55718	VV	0.064	0.1887
24	7.669	2221730	385342	VV	0.088	1.7022
25	7.811	1125555	182749	VV	0.092	0.8624
26	8.050	2146540	230048	VV	0.148	1.6446
27	8.344	2382943	190434	VV	0.188	1.8258
28	8.581	362196	55679	VV	0.095	0.2775
29	8.727	1348662	197991	VV	0.104	1.0333
30	8.933	450018	76448	VV	0.087	0.3448
31	9.041	986365	106473	VV	0.129	0.7557
32	9.339	818452	111279	VV	0.106	0.6271
33	9.493	373723	41610	VV	0.123	0.2863
34	9.726	98652	16509	VV	0.087	0.0756
35	9.841	143138	18610	VV	0.109	0.1097
36	9.992	142488	19029	VV	0.108	0.1092
37	10.129	127168	16317	VV	0.113	0.0974
38	10.282	93301	16252	VV	0.081	0.0715
39	10.386	187772	27956	VV	0.097	0.1439
40	10.522	218742	17838	VV	0.162	0.1676
41	10.899	105060	6258	VV	0.219	0.0805
42	11.256	136895	4132	VV	0.406	0.1049
43	12.205	37644	1494	VV	0.310	0.0288
44	12.879	6503	535	VV	0.203	0.0050
45	13.500	5444	402	VV	0.179	0.0042
46	14.584	3687	324	PV	0.169	0.0028
47	14.947	359	44	VV	0.105	0.0003

Total area = 1.30517E+008

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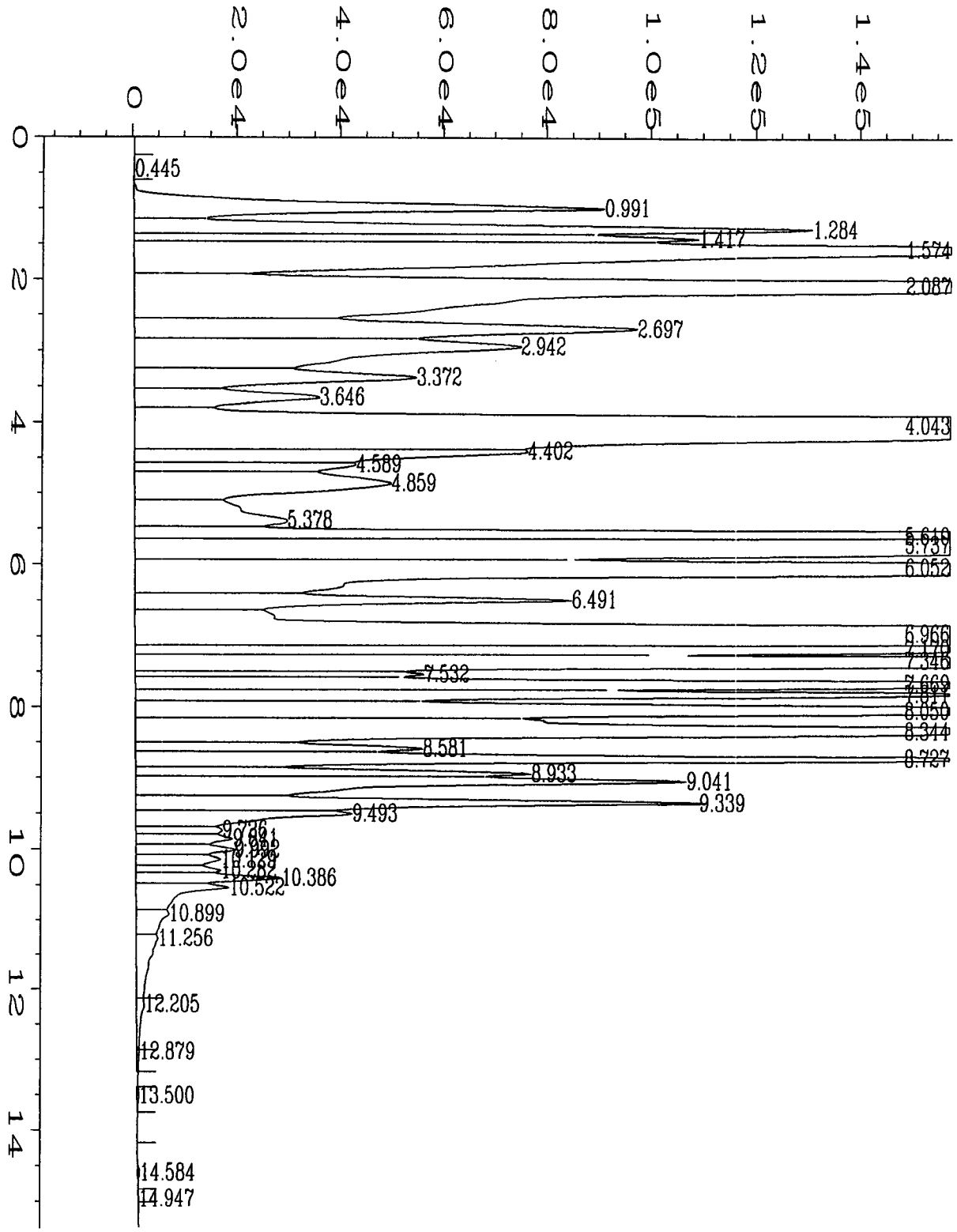

Data File Name : C:\HPCHEM\2\DATA\03-10-15\045R0101.D
Operator : TM
Instrument : GC2
Sample Name : 5000G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 10:46 PM
Report Created on: 11 Mar 15 09:05 AM

Page Number : 1
Vial Number : 45
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Last update on 10/17/14 ME

PID Data File Name : C:\HPCHEM\2\DATA\03-10-15\045R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\03-10-15\045F0101.D

Operator : TM Page Number : 1

Instrument : GC2 Vial Number : 45

Sample Name : 5000G 44-159 Injection Number : 1

Acquired on : 10-Mar-15 10:46 PM

Report Created on: 11 Mar 15 09:05 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
22	FID	6.313	167611	7.71E+05
0	PID	0.000	0	6.53E+06

Benzene		Actual Time	Area	AL. FACTOR
73.34 ppb	FID	2.088	1390546	1.90E+04
79.07 ppb	PID	2.087	6669141	8.43E+04
Toluene				
506.86 ppb	FID	4.043	8924644	1.76E+04
455.51 ppb	PID	4.043	3.5E+07	7.61E+04
Ethylbenzene				
95.68 ppb	FID	5.611	1384187	1.45E+04
96.06 ppb	PID	5.610	5164870	5.38E+04
m,p-Xylenes				
370.92 ppb	FID	5.738	5976103	1.61E+04
350.44 ppb	PID	5.737	2.6E+07	7.39E+04
o-Xylene				
154.66 ppb	FID	6.053	2620054	1.69E+04
153.44 ppb	PID	6.052	1E+07	6.65E+04
MTBE				
123.29 ppb	FID	1.534	1586619	1.29E+04
39.07 ppb	PID	1.417	625578	1.60E+04
Gasoline (NWTPHD-Gx) from benzene peak start to naphthalene peak end				
5082.27 ppb	FID		3.5E+07	6.81E+03
5184.26 ppb	PID		1.2E+08	2.38E+04
Gasoline (California, Alaska) from hexane peak start to decane peak start				
4949.19 ppb	FID		3.4E+07	6.80E+03
5151.20 ppb	PID		1.1E+08	2.23E+04

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\03-10-15\046F0101.D
Operator : TM
Instrument : GC2
Sample Name : 10000G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 11:07 PM
Report Created on: 11 Mar 15 09:06 AM
Page Number : 1
Vial Number : 46
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\03-10-15\046F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.290	468	78	PV	0.100	0.0006
2	0.507	307797	66686	VV	0.064	0.3890
3	0.927	996804	114156	VV	0.121	1.2597
4	1.080	419736	72951	VV	0.085	0.5305
5	1.284	4806748	464017	VV	0.145	6.0747
6	1.534	2947662	328992	VV	0.131	3.7252
7	1.783	1524994	163462	VV	0.138	1.9273
8	2.085	2339758	285756	VV	0.123	2.9570
9	2.350	2382237	139690	VV	0.232	3.0106
10	2.691	2389153	189807	VV	0.186	3.0194
11	2.920	1437746	105858	VV	0.194	1.8170
12	3.378	733713	65301	VV	0.167	0.9273
13	3.634	793039	69360	VV	0.170	1.0022
14	4.043	1.71145E+007	1990187	VV	0.130	21.6291
15	4.402	791868	92318	VV	0.126	1.0008
16	4.603	498473	50496	VV	0.142	0.6300
17	4.853	815857	70120	VV	0.163	1.0311
18	5.413	586162	32802	VV	0.231	0.7408
19	5.608	2690709	509722	VV	0.080	3.4005
20	5.737	1.14722E+007	1784099	VV	0.098	14.4985
21	6.050	5042566	811325	VV	0.095	6.3727
22	6.310	394723	50578	VV	0.114	0.4988
23	6.490	415585	50726	VV	0.118	0.5252
24	6.963	5450576	583854	VV	0.130	6.8884
25	7.168	1265206	212499	VV	0.090	1.5990
26	7.345	3953750	715989	VV	0.086	4.9967
27	7.531	272889	48869	VV	0.082	0.3449
28	7.667	1132488	196045	VV	0.088	1.4312
29	7.809	620633	98374	VV	0.093	0.7843
30	8.042	1113094	113413	VV	0.153	1.4067
31	8.298	1446105	110105	VV	0.171	1.8276
32	8.588	277553	39830	VV	0.102	0.3508
33	8.722	609099	86163	VV	0.106	0.7698
34	8.929	240775	39620	VV	0.089	0.3043
35	9.038	545127	54454	VV	0.138	0.6889
36	9.334	356080	44427	VV	0.113	0.4500
37	9.494	231267	22650	VV	0.137	0.2923
38	9.726	64644	10138	VV	0.092	0.0817
39	9.839	79702	10699	VV	0.107	0.1007
40	9.990	74318	10334	VV	0.102	0.0939
41	10.123	84005	9868	VV	0.117	0.1062
42	10.271	54203	8972	VV	0.086	0.0685
43	10.382	80464	12163	VV	0.095	0.1017
44	10.510	112562	8960	VV	0.166	0.1423
45	10.899	65631	3684	VV	0.230	0.0829
46	11.268	12404	2235	VV	0.084	0.0157
47	11.324	60243	2208	VV	0.455	0.0761

Data File Name : C:\HPCHEM\2\DATA\03-10-15\046F0101.D
Operator : TM
Instrument : GC2
Sample Name : 10000G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 11:07 PM
Report Created on: 11 Mar 15 09:06 AM

Page Number : 2
Vial Number : 46
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	12.148	5137	767	VV	0.112	0.0065
49	12.627	5343	456	VV	0.195	0.0068
50	12.850	2258	420	VV	0.090	0.0029
51	12.971	3917	393	VV	0.166	0.0049
52	13.358	2503	275	VV	0.129	0.0032
53	13.475	1593	249	VV	0.107	0.0020
54	14.546	1108	113	VB	0.163	0.0014

Total area = 7.91272E+007

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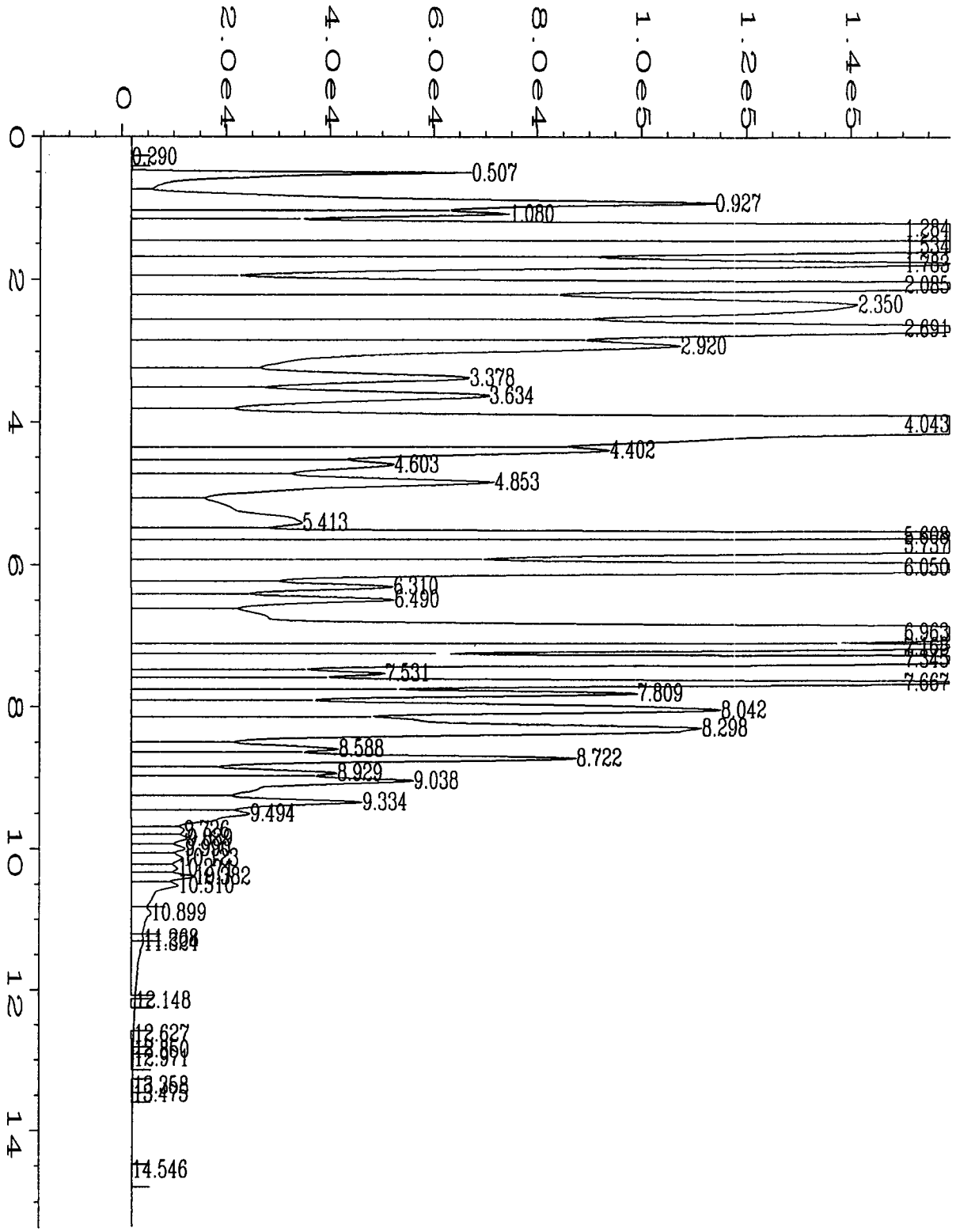

Data File Name : C:\HPCHEM\2\DATA\03-10-15\046F0101.D
Operator : TM
Instrument : GC2
Sample Name : 10000G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 11:07 PM
Report Created on: 11 Mar 15 09:06 AM

Page Number : 1
Vial Number : 46
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\03-10-15\046R0101.D
Operator : TM
Instrument : GC2
Sample Name : 10000G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 11:07 PM
Report Created on: 11 Mar 15 09:07 AM
Page Number : 1
Vial Number : 46
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\03-10-15\046R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.442	199	95	PV	0.035	0.0001
2	0.505	417	127	VV	0.052	0.0002
3	0.714	3185	689	PV	0.074	0.0013
4	0.995	672485	70394	VV	0.130	0.2839
5	1.279	1716109	228509	VV	0.112	0.7245
6	1.412	1143204	191520	VV	0.087	0.4826
7	1.571	5610146	414114	VV	0.188	2.3684
8	2.084	9732546	1197577	VV	0.124	4.1088
9	2.313	1672751	128354	VV	0.217	0.7062
10	2.695	2459417	194392	VV	0.188	1.0383
11	2.940	2476073	143708	VV	0.238	1.0453
12	3.376	1183060	104007	VV	0.170	0.4995
13	3.641	844795	72936	VV	0.171	0.3566
14	4.042	6.22952E+007	7326720	VV	0.131	26.2993
15	4.402	1310442	144529	VV	0.130	0.5532
16	4.587	681114	84616	VV	0.116	0.2875
17	4.851	1663712	97243	VV	0.236	0.7024
18	5.393	1058882	60958	VV	0.243	0.4470
19	5.607	9573582	1898527	VV	0.077	4.0417
20	5.736	4.63659E+007	7079434	VV	0.101	19.5744
21	6.050	1.80694E+007	2929125	VV	0.095	7.6284
22	6.300	580769	78672	VV	0.107	0.2452
23	6.487	1274740	156090	VV	0.117	0.5382
24	6.964	2.10386E+007	2174919	VV	0.133	8.8819
25	7.167	3709968	672799	VV	0.083	1.5662
26	7.344	1.5904E+007	2854531	VV	0.087	6.7142
27	7.529	485195	105587	VV	0.067	0.2048
28	7.666	4149405	720667	VV	0.088	1.7518
29	7.807	2105087	345450	VV	0.090	0.8887
30	8.047	4091327	438975	VV	0.147	1.7272
31	8.343	4467369	362435	VV	0.186	1.8860
32	8.577	687752	104808	VV	0.095	0.2903
33	8.722	2512643	370549	VV	0.103	1.0608
34	8.929	849881	144922	VV	0.087	0.3588
35	9.037	1851115	201462	VV	0.129	0.7815
36	9.334	1572695	218398	VV	0.104	0.6639
37	9.490	695154	77842	VV	0.122	0.2935
38	9.728	181712	30300	VV	0.087	0.0767
39	9.840	262324	34513	VV	0.108	0.1107
40	9.989	266960	35684	VV	0.107	0.1127
41	10.124	234145	29992	VV	0.113	0.0988
42	10.280	161327	30207	VV	0.089	0.0681
43	10.380	383623	57396	VV	0.097	0.1620
44	10.519	392283	34014	VV	0.154	0.1656
45	10.901	194171	11535	VV	0.220	0.0820
46	11.253	96796	7623	VV	0.165	0.0409
47	11.455	161303	5981	VV	0.335	0.0681

48	12.852	6215	1019	VV	0.102	0.0026
49	12.969	7935	823	VV	0.161	0.0033
50	13.389	2191	516	VV	0.071	0.0009
51	13.458	6600	522	VV	0.167	0.0028
52	14.548	3625	351	PV	0.132	0.0015
53	14.755	926	123	VV	0.103	0.0004
54	15.184	159	23	PV	0.114	0.0001

Total area = 2.36871E+008

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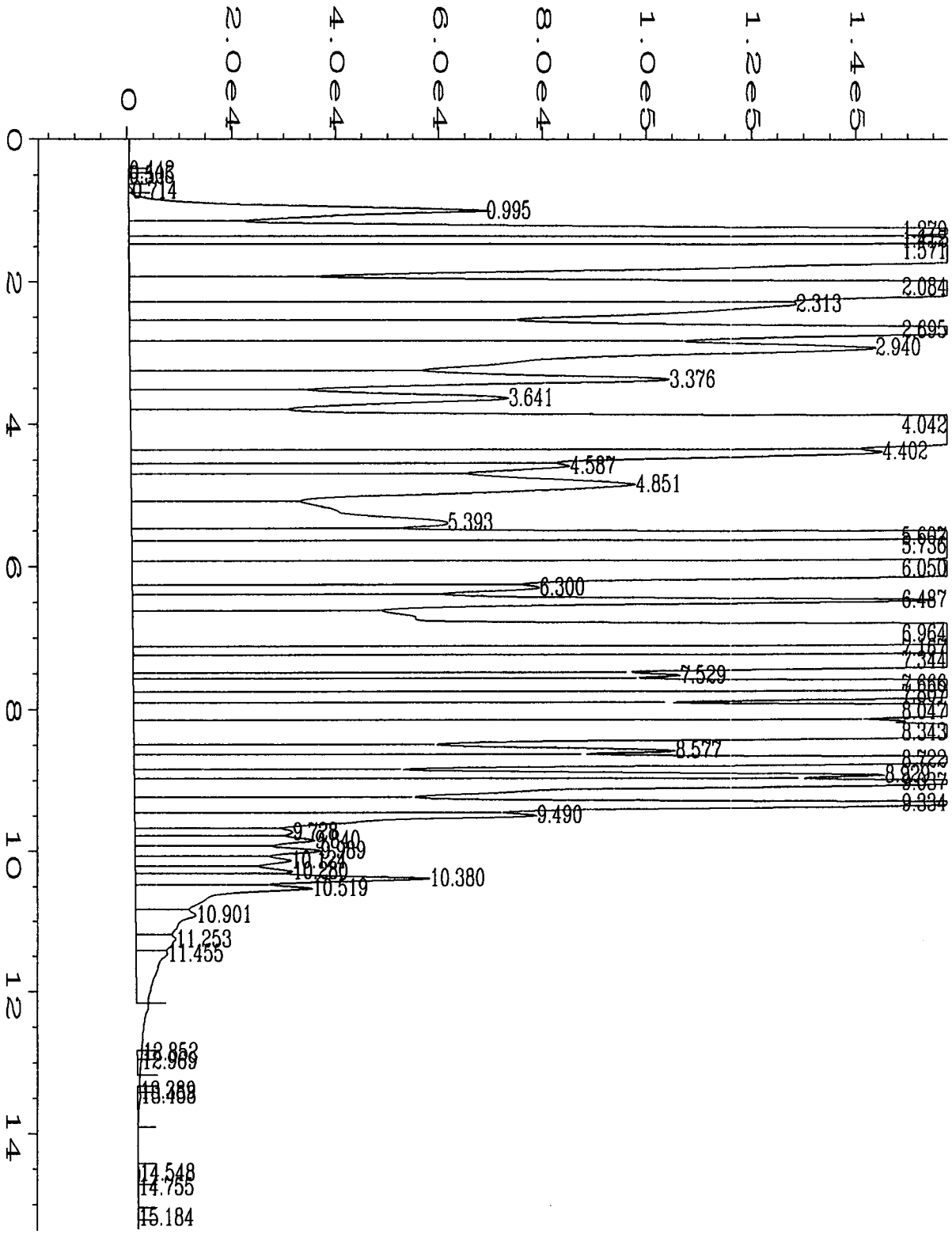

Data File Name : C:\HPCHEM\2\DATA\03-10-15\046R0101.D
Operator : TM
Instrument : GC2
Sample Name : 10000G 44-159
Run Time Bar Code:
Acquired on : 10 Mar 15 11:07 PM
Report Created on: 11 Mar 15 09:07 AM

Page Number : 1
Vial Number : 46
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Last update on 10/17/14 ME

PID Data File Name : C:\HPCHEM\2\DATA\03-10-15\046R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\03-10-15\046F0101.D

Operator : TM Page Number : 1

Instrument : GC2 Vial Number : 46

Sample Name : 10000G 44-159 Injection Number : 1

Acquired on : 10-Mar-15 11:07 PM

Report Created on: 11 Mar 15 09:06 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
51	FID	6.310	394723	7.71E+05
9	PID	6.300	580769	6.53E+06
Benzene		Actual Time	Area	AL. FACTOR
123.41 ppb	FID	2.085	2339758	1.90E+04
115.39 ppb	PID	2.084	9732546	8.43E+04
Toluene				
971.99 ppb	FID	4.043	1.7E+07	1.76E+04
818.55 ppb	PID	4.042	6.2E+07	7.61E+04
Ethylbenzene				
185.99 ppb	FID	5.608	2690709	1.45E+04
178.05 ppb	PID	5.607	9573582	5.38E+04
m,p-Xylenes				
712.04 ppb	FID	5.737	1.1E+07	1.61E+04
627.76 ppb	PID	5.736	4.6E+07	7.39E+04
o-Xylene				
297.67 ppb	FID	6.050	5042566	1.69E+04
271.61 ppb	PID	6.050	1.8E+07	6.65E+04
MTBE				
229.05 ppb	FID	1.534	2947662	1.29E+04
71.41 ppb	PID	1.412	1143204	1.60E+04
Gasoline (NWTPHD-Gx) from benzene peak start to naphthalene peak end				
9837.91 ppb	FID		6.7E+07	6.81E+03
9435.24 ppb	PID		2.2E+08	2.38E+04
Gasoline (California, Alaska) from hexane peak start to decane peak start				
9505.58 ppb	FID		6.5E+07	6.80E+03
9328.43 ppb	PID		2.1E+08	2.23E+04

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\03-10-15\047F0101.D
Operator : TM
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 10 Mar 15 11:27 PM
Report Created on: 11 Mar 15 09:08 AM

Page Number : 1
Vial Number : 47
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\03-10-15\047F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.105	185	87	BV	0.035	0.0240
2	0.254	415	83	PV	0.077	0.0539
3	0.508	55932	11081	VV	0.070	7.2671
4	0.861	50122	3476	VV	0.184	6.5123
5	1.259	20909	1786	VV	0.156	2.7166
6	1.505	19101	2042	VV	0.134	2.4817
7	1.776	7951	795	VV	0.137	1.0330
8	2.104	4562	464	VV	0.134	0.5927
9	2.351	17151	1018	VV	0.213	2.2284
10	2.708	41939	2634	VV	0.215	5.4491
11	3.173	1093	247	VV	0.074	0.1420
12	3.338	3537	406	VV	0.133	0.4595
13	3.648	19709	1578	VV	0.167	2.5608
14	4.038	42239	3592	VV	0.164	5.4880
15	4.281	26010	2833	VV	0.133	3.3794
16	4.384	24624	2784	VV	0.129	3.1994
17	4.583	18593	1953	VV	0.136	2.4158
18	4.848	24069	2471	VV	0.139	3.1273
19	5.412	30318	1774	VV	0.220	3.9392
20	5.743	38121	4346	VV	0.146	4.9530
21	5.821	27147	4323	VV	0.090	3.5271
22	5.916	16083	3158	VV	0.085	2.0897
23	6.040	22574	2295	VV	0.164	2.9330
24	6.309	23157	2795	VV	0.117	3.0088
25	6.558	7100	1001	VV	0.093	0.9225
26	6.724	17629	1439	VV	0.164	2.2905
27	6.964	19156	2353	VV	0.111	2.4889
28	7.103	36644	3001	VV	0.165	4.7611
29	7.342	22240	3067	VV	0.107	2.8896
30	7.527	12236	1698	VV	0.098	1.5898
31	7.674	8093	1178	VV	0.101	1.0515
32	7.825	7766	1027	VV	0.099	1.0090
33	8.032	18281	1525	VV	0.173	2.3753
34	8.190	7396	1182	VV	0.087	0.9609
35	8.284	14003	1356	VV	0.136	1.8194
36	8.563	6526	738	VV	0.122	0.8480
37	8.727	8868	1081	VV	0.118	1.1522
38	9.049	16839	870	VV	0.240	2.1879
39	9.342	6125	694	VV	0.121	0.7958
40	9.493	6254	689	VV	0.117	0.8126
41	9.723	2126	388	VV	0.076	0.2762
42	9.848	2145	350	VV	0.102	0.2786
43	10.122	2416	331	VV	0.104	0.3139
44	10.274	2450	418	VV	0.098	0.3184
45	10.395	4022	365	VV	0.144	0.5225
46	11.134	791	134	VV	0.099	0.1028
47	11.302	866	116	VV	0.120	0.1125

Data File Name : C:\HPCHEM\2\DATA\03-10-15\047F0101.D
Operator : TM
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 10 Mar 15 11:27 PM
Report Created on: 11 Mar 15 09:08 AM

Page Number : 2
Vial Number : 47
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	11.375	462	115	VV	0.063	0.0600
49	11.452	602	127	VV	0.079	0.0782
50	11.971	302	93	VV	0.048	0.0393
51	12.220	1064	112	PV	0.166	0.1383
52	12.542	428	76	PV	0.094	0.0556
53	12.640	122	66	VV	0.031	0.0158
54	12.922	627	81	PV	0.153	0.0815
55	14.308	126	67	PB	0.034	0.0164
56	14.662	409	72	BV	0.101	0.0531

Total area = 769658

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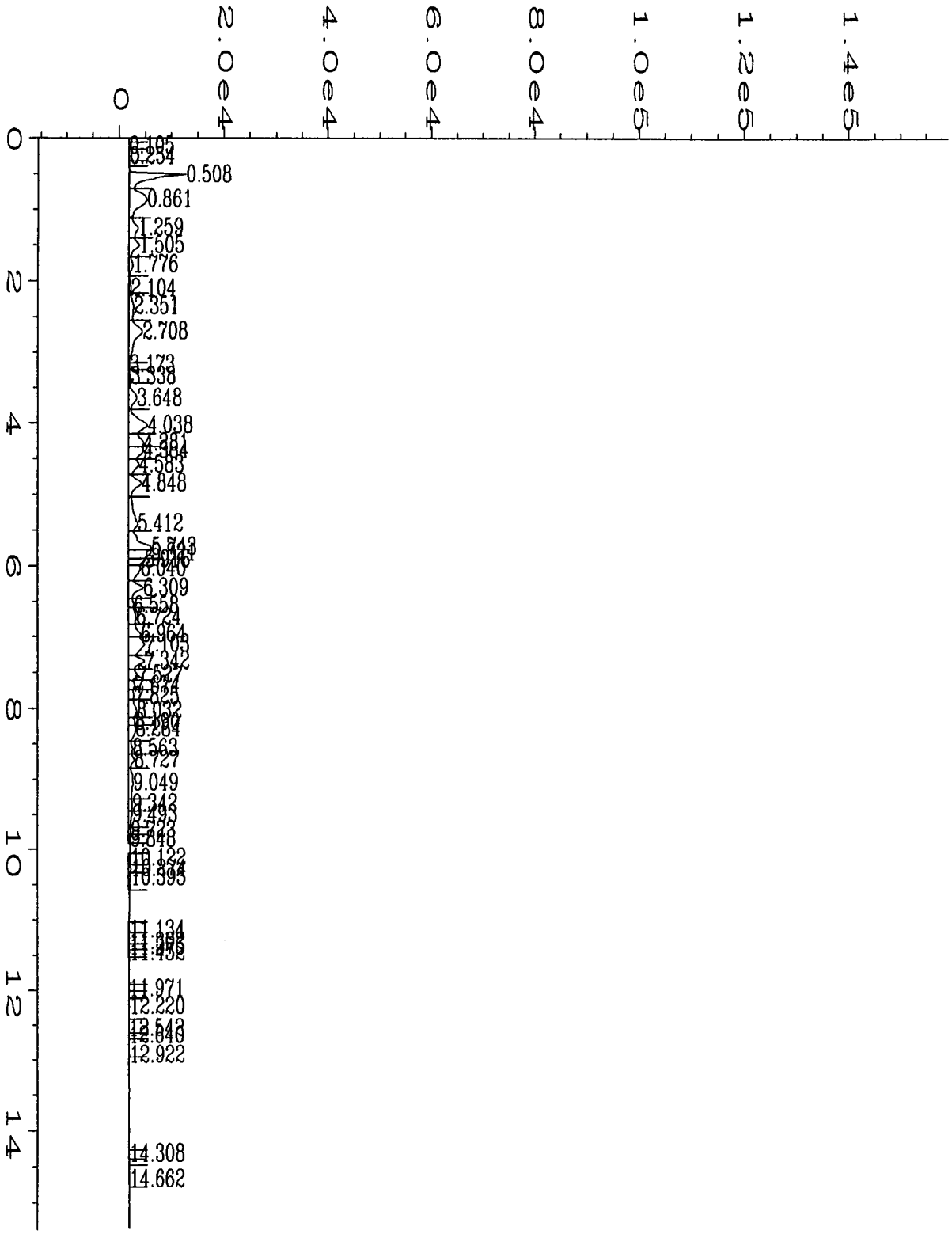

Data File Name : C:\HPCHEM\2\DATA\03-10-15\047F0101.D
Operator : TM
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 10 Mar 15 11:27 PM
Report Created on: 11 Mar 15 09:08 AM

Page Number : 1
Vial Number : 47
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\03-10-15\047R0101.D
Operator : TM
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 10 Mar 15 11:27 PM
Report Created on: 11 Mar 15 09:08 AM

Page Number : 1
Vial Number : 47
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\03-10-15\047R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.785	19468	3300	BV	0.087	1.4847
2	0.928	10068	1127	VV	0.149	0.7678
3	1.165	2701	521	VV	0.077	0.2060
4	1.278	4004	673	VV	0.084	0.3053
5	1.533	24059	1278	VV	0.251	1.8349
6	2.073	13633	1258	VV	0.164	1.0398
7	2.340	9796	624	VV	0.207	0.7471
8	2.709	38722	2397	VV	0.231	2.9531
9	3.382	5067	465	VV	0.143	0.3865
10	3.648	15555	1308	VV	0.172	1.1863
11	4.043	116177	10622	VV	0.159	8.8603
12	4.253	15561	2520	VV	0.103	1.1868
13	4.401	23881	2645	VV	0.132	1.8213
14	4.581	22854	2236	VV	0.148	1.7430
15	4.849	23580	1943	VV	0.176	1.7983
16	5.412	47378	2597	VV	0.239	3.6133
17	5.733	176751	14765	VV	0.163	13.4800
18	6.044	66408	6576	VV	0.140	5.0647
19	6.316	34695	3106	VV	0.157	2.6460
20	6.538	13563	1861	VV	0.103	1.0344
21	6.716	25219	2501	VV	0.149	1.9234
22	6.964	142055	7622	VV	0.236	10.8339
23	7.342	75886	10757	VV	0.103	5.7875
24	7.522	24100	3291	VV	0.106	1.8380
25	7.664	25892	3640	VV	0.103	1.9747
26	7.808	18630	2444	VV	0.108	1.4208
27	8.041	50895	4798	VV	0.163	3.8815
28	8.186	12458	2714	VV	0.068	0.9501
29	8.292	42164	3564	VV	0.156	3.2156
30	8.564	13319	1744	VV	0.115	1.0158
31	8.721	29988	3971	VV	0.111	2.2870
32	8.946	16940	2408	VV	0.105	1.2919
33	9.043	18566	2620	VV	0.100	1.4159
34	9.172	16813	2142	VV	0.115	1.2822
35	9.344	23315	2814	VV	0.116	1.7782
36	9.490	17534	2018	VV	0.119	1.3372
37	9.725	5897	877	VV	0.103	0.4498
38	9.846	5688	867	VV	0.093	0.4338
39	9.995	6969	1021	VV	0.102	0.5315
40	10.118	5078	767	VV	0.094	0.3873
41	10.273	7394	1106	VV	0.095	0.5639
42	10.387	8349	1305	VV	0.093	0.6368
43	10.524	8413	998	VV	0.119	0.6416
44	10.787	8967	742	VV	0.161	0.6839
45	11.288	2258	227	VV	0.139	0.1722
46	11.466	1572	202	VV	0.113	0.1199
47	12.016	450	91	PV	0.071	0.0343

48	12.223	3759	412	VV	0.129	0.2867
49	12.596	290	51	VV	0.086	0.0221
50	12.847	388	99	PV	0.064	0.0296
51	13.477	2780	253	PV	0.149	0.2121
52	13.908	534	41	VV	0.216	0.0407
53	14.191	331	36	PV	0.123	0.0252
54	14.297	110	43	PV	0.041	0.0084
55	14.571	4287	308	PV	0.183	0.3270

Total area = 1311209

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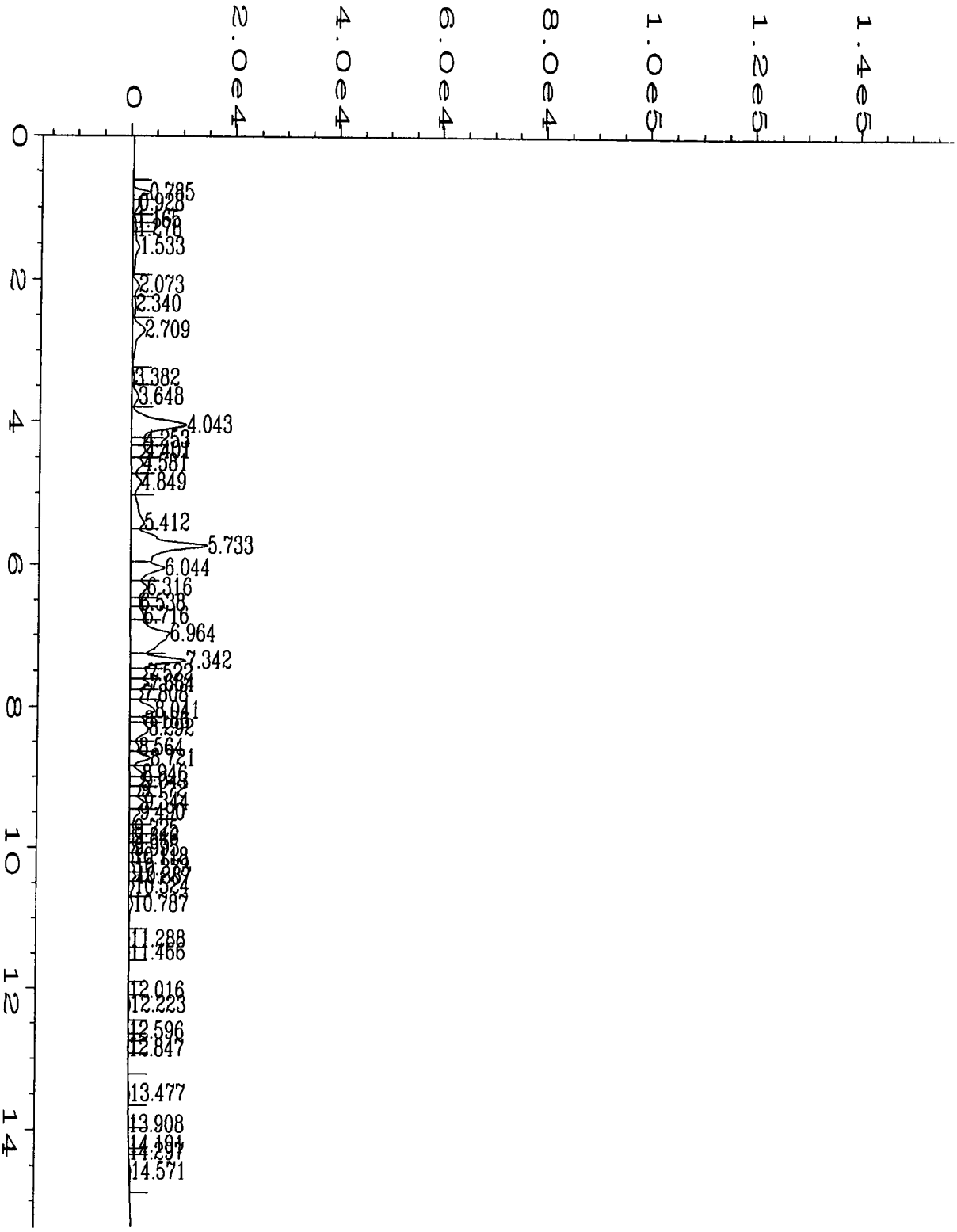

Data File Name : C:\HPCHEM\2\DATA\03-10-15\047R0101.D
Operator : TM
Instrument : GC2
Sample Name : rinse
Run Time Bar Code:
Acquired on : 10 Mar 15 11:27 PM
Report Created on: 11 Mar 15 09:08 AM

Page Number : 1
Vial Number : 47
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Last update on 10/17/14 ME

PID Data File Name : C:\HPCHEM\2\DATA\03-10-15\047R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\03-10-15\047F0101.D

Operator : TM Page Number : 1

Instrument : GC2 Vial Number : 47

Sample Name : rinse Injection Number : 1

Acquired on : 10-Mar-15 11:27 PM

Report Created on: 11 Mar 15 09:08 AM Analysis Method : GX.MTH

		Actual Time	Area	Cal Factor
Bromofluorobenzene				
% Recovery				
3	FID	6.309	23157	7.71E+05
1	PID	6.316	34695	6.53E+06
Benzene		Actual Time	Area	AL. FACTOR
0.24 ppb	FID	2.104	4562	1.90E+04
0.16 ppb	PID	2.073	13633	8.43E+04
Toluene				
2.40 ppb	FID	4.038	42239	1.76E+04
1.53 ppb	PID	4.043	116177	7.61E+04
Ethylbenzene				
0.00 ppb	FID	0.000	0	1.45E+04
0.00 ppb	PID	0.000	0	5.38E+04
m,p-Xylenes				
2.37 ppb	FID	5.821	38121	1.61E+04
2.39 ppb	PID	5.733	176751	7.39E+04
o-Xylene				
1.33 ppb	FID	6.040	22574	1.69E+04
1.00 ppb	PID	6.044	66408	6.65E+04
MTBE				
1.48 ppb	FID	1.505	19101	1.29E+04
1.50 ppb	PID	1.533	24059	1.60E+04
Gasoline (NWTPHD-Gx) from benzene peak start to naphthalene peak end				
84.10 ppb	FID		572925	6.81E+03
47.96 ppb	PID		1142700	2.38E+04
Gasoline (California, Alaska) from hexane peak start to decane peak start				
71.70 ppb	FID		487590	6.80E+03
38.38 ppb	PID		856145	2.23E+04

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\03-10-15\048F0101.D
Operator : TM
Instrument : GC2
Sample Name : 1000G 2' 45-32
Run Time Bar Code:
Acquired on : 10 Mar 15 11:48 PM
Report Created on: 11 Mar 15 09:09 AM

Page Number : 1
Vial Number : 48
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\03-10-15\048F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.136	765	96	BV	0.132	0.0076
2	0.508	286990	61838	PV	0.065	2.8653
3	0.855	452320	90776	VV	0.075	4.5160
4	0.934	786549	101224	VV	0.108	7.8529
5	1.272	655463	58206	VV	0.162	6.5441
6	1.509	406760	40640	VV	0.145	4.0611
7	1.787	258966	28246	VV	0.136	2.5855
8	2.077	338052	32259	VV	0.156	3.3751
9	2.338	271663	16608	VV	0.214	2.7123
10	2.699	243534	18958	VV	0.193	2.4314
11	2.935	154289	11303	VV	0.191	1.5404
12	3.368	86065	7622	VV	0.167	0.8593
13	3.640	76933	6547	VV	0.173	0.7681
14	4.044	1840877	218567	VV	0.127	18.3793
15	4.404	82343	9045	VV	0.152	0.8221
16	4.614	48336	4737	VV	0.133	0.4826
17	4.859	80233	6084	VV	0.181	0.8010
18	5.371	53345	2939	VV	0.237	0.5326
19	5.611	277602	53796	VV	0.078	2.7716
20	5.735	1216652	181504	VV	0.101	12.1470
21	6.049	540215	83134	VV	0.099	5.3935
22	6.305	33286	4099	VV	0.118	0.3323
23	6.490	46030	5420	VV	0.122	0.4596
24	6.960	537879	56838	VV	0.132	5.3702
25	7.163	121101	20505	VV	0.089	1.2091
26	7.340	407763	72330	VV	0.087	4.0711
27	7.527	20930	4143	VV	0.073	0.2090
28	7.663	117683	20109	VV	0.089	1.1749
29	7.805	58035	9213	VV	0.093	0.5794
30	8.041	109250	11389	VV	0.152	1.0907
31	8.175	14741	4538	VV	0.054	0.1472
32	8.341	118255	10514	VV	0.173	1.1807
33	8.576	21741	3312	VV	0.096	0.2171
34	8.717	62151	8905	VV	0.105	0.6205
35	8.926	22016	3832	VV	0.086	0.2198
36	9.031	53164	5476	VV	0.134	0.5308
37	9.334	32125	3632	VV	0.125	0.3207
38	9.481	19551	2252	VV	0.145	0.1952
39	9.731	7376	982	VV	0.105	0.0736
40	9.839	7529	1013	VV	0.099	0.0752
41	9.979	5211	965	VV	0.090	0.0520
42	10.130	7361	842	VV	0.117	0.0735
43	10.278	5616	854	VV	0.098	0.0561
44	10.388	5936	849	VV	0.093	0.0593
45	10.507	7208	723	VV	0.128	0.0720
46	10.882	3335	339	VV	0.164	0.0333
47	11.251	3467	243	VV	0.238	0.0346

Data File Name : C:\HPCHEM\2\DATA\03-10-15\048F0101.D
Operator : TM
Instrument : GC2
Sample Name : 1000G 2' 45-32
Run Time Bar Code:
Acquired on : 10 Mar 15 11:48 PM
Report Created on: 11 Mar 15 09:09 AM

Page Number : 2
Vial Number : 48
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	11.469	1103	220	VV	0.083	0.0110
49	11.574	710	196	VV	0.060	0.0071
50	11.664	1351	205	VV	0.102	0.0135
51	12.044	564	127	VV	0.074	0.0056
52	12.135	1402	134	VV	0.134	0.0140
53	12.630	537	96	PV	0.093	0.0054
54	12.822	422	68	PB	0.103	0.0042
55	13.585	1007	72	PV	0.234	0.0101
56	14.374	283	66	PV	0.072	0.0028
57	14.529	1421	85	VV	0.244	0.0142
58	14.987	263	57	VV	0.068	0.0026
59	15.177	287	38	PV	0.125	0.0029

Total area = 1.0016E+007

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Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\03-10-15\048R0101.D
Operator : TM
Instrument : GC2
Sample Name : 1000G 2' 45-32
Run Time Bar Code:
Acquired on : 10 Mar 15 11:48 PM
Report Created on: 11 Mar 15 09:09 AM
Page Number : 1
Vial Number : 48
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\03-10-15\048R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.504	1180	122	BV	0.124	0.0043
2	0.984	486117	47314	PV	0.150	1.7695
3	1.268	385431	30326	VV	0.176	1.4030
4	1.558	745255	48226	VV	0.218	2.7128
5	2.076	1445386	131071	VV	0.162	5.2614
6	2.705	240595	19111	VV	0.187	0.8758
7	2.946	260378	15243	VV	0.238	0.9478
8	3.365	130898	11616	VV	0.166	0.4765
9	3.649	79340	6776	VV	0.173	0.2888
10	4.045	7565612	907703	VV	0.127	27.5398
11	4.863	196122	10417	VV	0.292	0.7139
12	5.207	40514	4682	VV	0.124	0.1475
13	5.381	70275	6123	VV	0.167	0.2558
14	5.611	1016780	208726	VV	0.075	3.7012
15	5.735	5497613	826767	VV	0.101	20.0120
16	6.050	2173312	326378	VV	0.101	7.9111
17	6.488	160866	18089	VV	0.126	0.5856
18	6.693	33795	5660	VV	0.100	0.1230
19	6.961	2197081	228038	VV	0.133	7.9977
20	7.163	393639	70589	VV	0.084	1.4329
21	7.340	1762792	312319	VV	0.087	6.4168
22	7.519	46113	12489	VV	0.062	0.1679
23	7.662	457283	78005	VV	0.089	1.6646
24	7.804	213757	34629	VV	0.092	0.7781
25	8.045	464711	46204	VV	0.156	1.6916
26	8.341	409279	37873	VV	0.145	1.4898
27	8.571	63570	10118	VV	0.091	0.2314
28	8.718	264244	39485	VV	0.102	0.9619
29	8.925	83844	14589	VV	0.085	0.3052
30	9.033	193104	20609	VV	0.131	0.7029
31	9.333	142141	18253	VV	0.111	0.5174
32	9.480	65605	7784	VV	0.140	0.2388
33	9.723	16873	2813	VV	0.083	0.0614
34	9.834	23652	3176	VV	0.105	0.0861
35	9.983	24486	3249	VV	0.107	0.0891
36	10.123	19823	2621	VV	0.110	0.0722
37	10.271	17763	2817	VV	0.091	0.0647
38	10.382	24261	3629	VV	0.097	0.0883
39	10.515	23881	2618	VV	0.126	0.0869
40	10.779	23384	1417	VV	0.213	0.0851
41	11.988	1049	159	VV	0.095	0.0038
42	12.214	4300	452	VV	0.134	0.0157
43	12.769	253	66	BV	0.063	0.0009
44	13.212	124	69	BV	0.030	0.0005
45	13.481	2064	246	PV	0.115	0.0075
46	14.062	362	36	PV	0.144	0.0013
47	14.553	2498	303	PV	0.121	0.0091

48	14.745	122	48	VV	0.042	0.0004

Total area = 2.74715E+007

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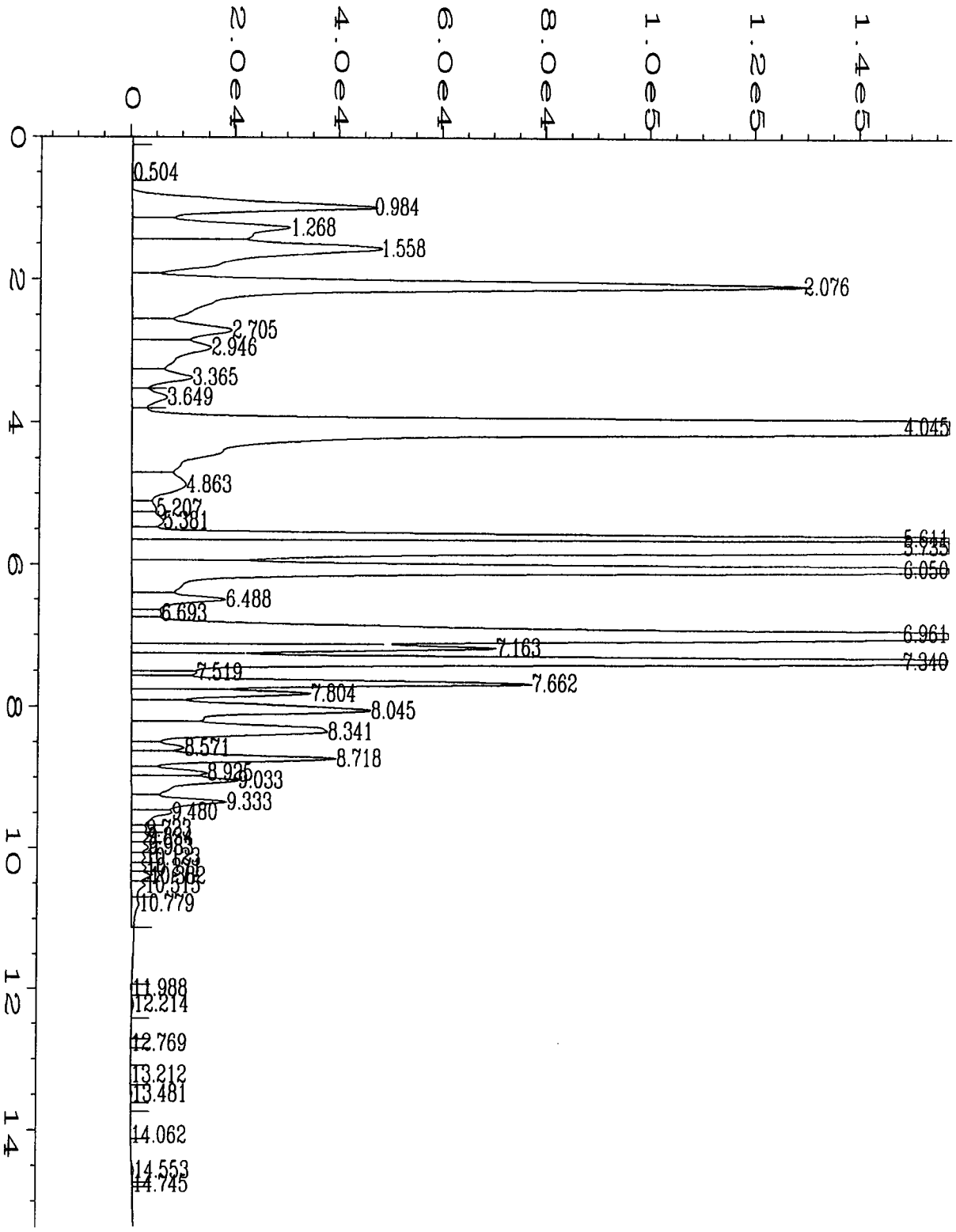


Data File Name : C:\HPCHEM\2\DATA\03-10-15\048R0101.D
Operator : TM
Instrument : GC2
Sample Name : 1000G 2' 45-32
Run Time Bar Code:
Acquired on : 10 Mar 15 11:48 PM
Report Created on: 11 Mar 15 09:10 AM

Page Number : 1
Vial Number : 48
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Last update on 10/17/14 ME

PID Data File Name : C:\HPCHEM\2\DATA\03-10-15\048R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\03-10-15\048F0101.D

Operator : TM Page Number : 1
Instrument : GC2 Vial Number : 48
Sample Name : 1000G 2' 45-32 Injection Number : 1
Acquired on : 10-Mar-15 11:48 PM
Report Created on: 11 Mar 15 09:09 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
4	FID	6.305	33286	7.71E+05
0	PID	0.000	0	6.53E+06
Benzene		Actual Time	Area	AL. FACTOR
17.83 ppb	FID	2.077	338052	1.90E+04
17.14 ppb	PID	2.076	1445386	8.43E+04
Toluene				
104.55 ppb	FID	4.044	1840877	1.76E+04
99.41 ppb	PID	4.045	7565612	7.61E+04
Ethylbenzene				
19.19 ppb	FID	5.611	277602	1.45E+04
18.91 ppb	PID	5.611	1016780	5.38E+04
m,p-Xylenes				
75.51 ppb	FID	5.735	1216652	1.61E+04
74.43 ppb	PID	5.735	5497613	7.39E+04
o-Xylene				
31.89 ppb	FID	6.049	540215	1.69E+04
32.67 ppb	PID	6.050	2173312	6.65E+04
MTBE				
31.61 ppb	FID	1.509	406760	1.29E+04
46.55 ppb	PID	1.558	745255	1.60E+04
Gasoline (NWTPHD-Gx) from benzene peak start to naphthalene peak end				
1038.21 ppb	FID		7072554	6.81E+03
1077.44 ppb	PID		2.6E+07	2.38E+04
Gasoline (California, Alaska) from hexane peak start to decane peak start				
1042.32 ppb	FID		7088638	6.80E+03
1076.47 ppb	PID		2.4E+07	2.23E+04

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\03-10-15\049F0101.D
Operator : TM
Instrument : GC2
Sample Name : Gas RT
Run Time Bar Code:
Acquired on : 11 Mar 15 00:08 AM
Report Created on: 11 Mar 15 00:24 AM

Page Number : 1
Vial Number : 49
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\03-10-15\049F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.253	153	92	PV	0.028	0.0059
2	0.330	235	71	VV	0.054	0.0091
3	0.506	337958	69206	VV	0.067	13.0259
4	0.842	31703	2841	VV	0.186	1.2219
5	1.499	240321	27437	VV	0.129	9.2627
6	1.771	88393	10736	VV	0.128	3.4069
7	2.060	985704	117173	VV	0.129	37.9919
8	2.639	17231	918	VV	0.239	0.6641
9	3.298	696	159	VV	0.073	0.0268
10	3.358	1093	194	VV	0.094	0.0421
11	3.499	552	149	VV	0.062	0.0213
12	3.612	1772	315	VV	0.076	0.0683
13	3.674	1280	271	VV	0.079	0.0493
14	4.033	11961	1087	VV	0.149	0.4610
15	4.277	5166	552	VV	0.132	0.1991
16	4.371	4179	503	VV	0.138	0.1611
17	4.576	2592	337	VV	0.128	0.0999
18	4.832	3880	387	VV	0.167	0.1496
19	5.398	4379	326	VV	0.176	0.1688
20	5.733	19323	1272	VV	0.204	0.7447
21	6.050	5049	639	VV	0.102	0.1946
22	6.319	4312	586	VV	0.108	0.1662
23	6.550	1348	191	VV	0.095	0.0520
24	6.732	3226	304	VV	0.141	0.1244
25	6.965	4923	648	VV	0.104	0.1898
26	7.104	12716	1055	VV	0.163	0.4901
27	7.341	4916	849	VV	0.084	0.1895
28	7.525	250348	44835	VV	0.087	9.6492
29	7.797	4145	591	VV	0.105	0.1598
30	7.983	6109	535	VV	0.148	0.2354
31	8.188	3275	521	VV	0.105	0.1262
32	8.265	4304	497	VV	0.144	0.1659
33	8.579	1003	202	VV	0.083	0.0386
34	8.626	603	232	VV	0.043	0.0232
35	8.712	1269	199	VV	0.089	0.0489
36	9.053	1040	96	PV	0.198	0.0401
37	9.327	520453	95939	VV	0.083	20.0597
38	9.892	827	259	VV	0.053	0.0319
39	9.961	683	180	VV	0.063	0.0263
40	10.035	380	121	VV	0.053	0.0147
41	10.122	288	82	VV	0.058	0.0111
42	12.214	1122	102	PV	0.215	0.0433
43	12.611	821	77	PV	0.179	0.0316
44	12.952	304	72	PV	0.071	0.0117
45	13.385	725	102	PV	0.118	0.0279
46	14.157	227	65	PV	0.067	0.0088
47	14.319	195	61	PV	0.053	0.0075

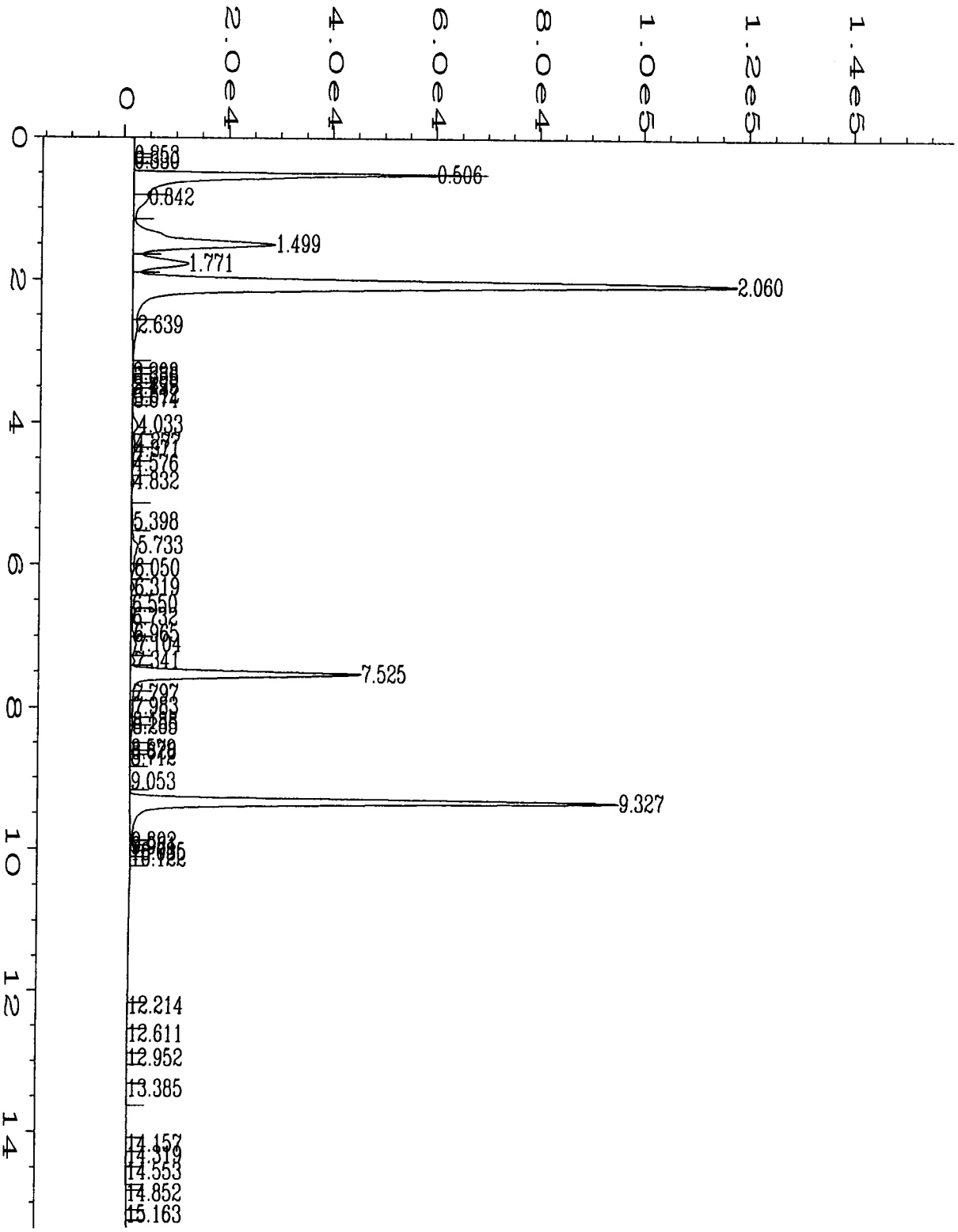
Data File Name : C:\HPCHEM\2\DATA\03-10-15\049F0101.D
Operator : TM
Instrument : GC2
Sample Name : Gas RT
Run Time Bar Code:
Acquired on : 11 Mar 15 00:08 AM
Report Created on: 11 Mar 15 00:24 AM

Page Number : 2
Vial Number : 49
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	14.553	711	96	PV	0.116	0.0274
49	14.852	478	69	PV	0.091	0.0184
50	15.163	143	50	PV	0.048	0.0055

Total area = 2594513

==========



Data File Name : C:\HPCHEM\2\DATA\03-10-15\049F0101.D
Operator : TM
Instrument : GC2
Sample Name : Gas RT
Run Time Bar Code:
Acquired on : 11 Mar 15 00:08 AM
Report Created on: 11 Mar 15 00:24 AM

Page Number : 1
Vial Number : 49
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Area Percent Report

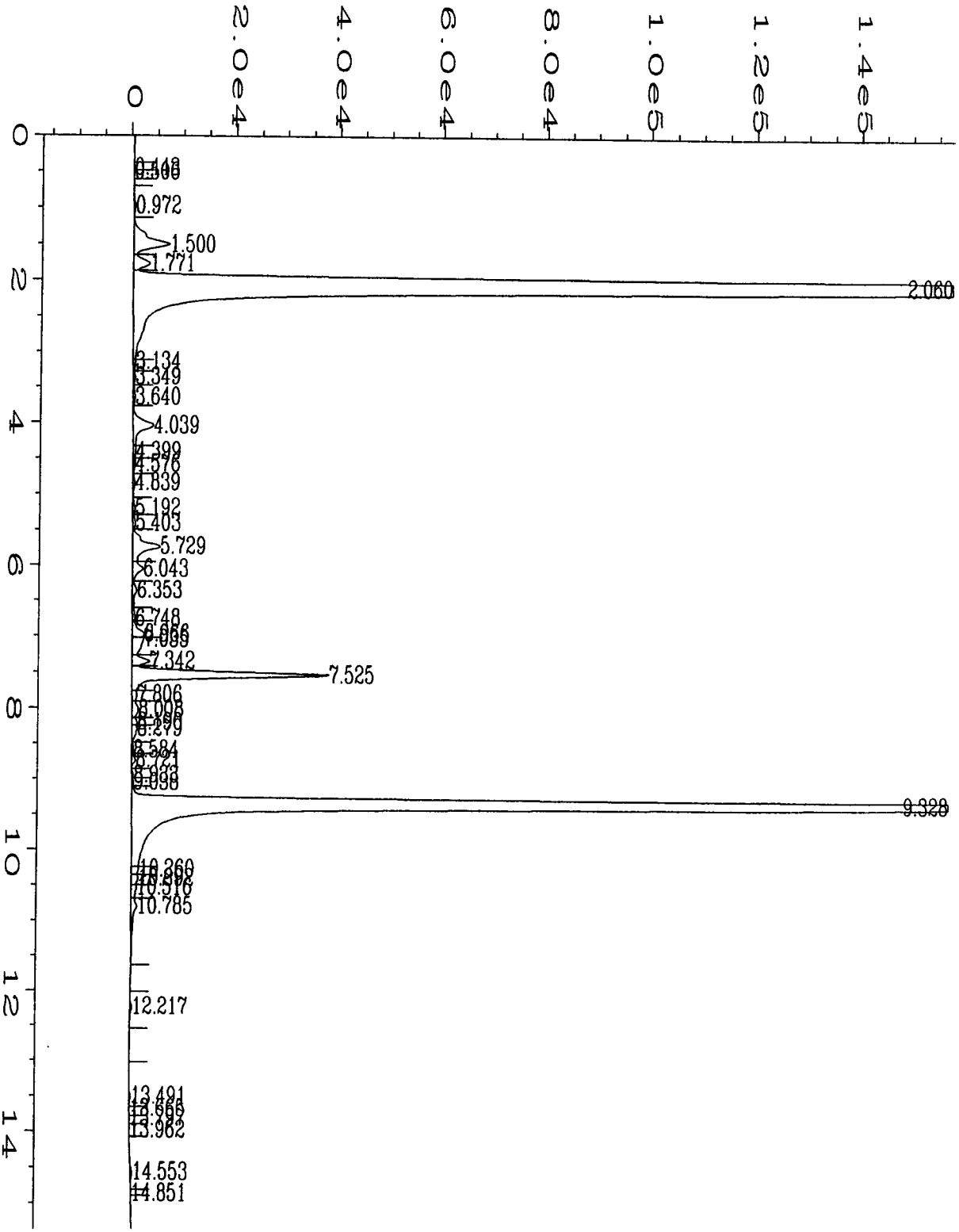
Data File Name : C:\HPCHEM\2\DATA\03-10-15\049R0101.D
Operator : TM
Instrument : GC2
Sample Name : Gas RT
Run Time Bar Code:
Acquired on : 11 Mar 15 00:08 AM
Report Created on: 11 Mar 15 00:24 AM

Page Number : 1
Vial Number : 49
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\03-10-15\049R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.443	370	122	PV	0.054	0.0045
2	0.506	344	111	VV	0.051	0.0042
3	0.972	3883	328	PV	0.154	0.0474
4	1.500	69953	6976	VV	0.143	0.8539
5	1.771	25227	3125	VV	0.126	0.3079
6	2.060	4454687	528580	VV	0.129	54.3761
7	3.134	3381	416	VV	0.135	0.0413
8	3.349	3851	392	VV	0.136	0.0470
9	3.640	4963	365	VV	0.183	0.0606
10	4.039	43376	3932	VV	0.160	0.5295
11	4.399	5037	563	VV	0.122	0.0615
12	4.576	4499	457	VV	0.134	0.0549
13	4.839	4967	402	VV	0.166	0.0606
14	5.192	4746	463	VV	0.129	0.0579
15	5.403	5273	541	VV	0.135	0.0644
16	5.729	54967	5359	VV	0.144	0.6710
17	6.043	17577	2055	VV	0.122	0.2146
18	6.353	10244	822	VV	0.178	0.1250
19	6.748	4720	506	VV	0.128	0.0576
20	6.966	18701	2309	VV	0.113	0.2283
21	7.035	24238	2128	VV	0.190	0.2959
22	7.342	20252	3353	VV	0.091	0.2472
23	7.525	222249	38220	VV	0.090	2.7129
24	7.806	7167	939	VV	0.109	0.0875
25	8.008	13045	1211	VV	0.149	0.1592
26	8.190	5733	989	VV	0.086	0.0700
27	8.279	9673	967	VV	0.131	0.1181
28	8.584	2536	309	VV	0.111	0.0310
29	8.721	4724	738	VV	0.101	0.0577
30	8.933	1584	299	PV	0.080	0.0193
31	9.038	2146	367	VV	0.088	0.0262
32	9.328	3081901	553976	VV	0.085	37.6192
33	10.260	8579	1366	VV	0.088	0.1047
34	10.392	10121	1277	VV	0.113	0.1235
35	10.516	9275	995	VV	0.155	0.1132
36	10.785	18897	1046	VV	0.239	0.2307
37	12.217	3057	364	BV	0.130	0.0373
38	13.491	2373	254	PV	0.121	0.0290
39	13.665	358	71	VV	0.084	0.0044
40	13.797	173	50	VV	0.057	0.0021
41	13.962	156	34	PV	0.063	0.0019
42	14.553	3218	336	PV	0.136	0.0393
43	14.851	139	32	VV	0.072	0.0017

Total area = 8192363



Data File Name : C:\HPCHEM\2\DATA\03-10-15\049R0101.D
Operator : TM
Instrument : GC2
Sample Name : Gas RT
Run Time Bar Code:
Acquired on : 11 Mar 15 00:08 AM
Report Created on: 11 Mar 15 00:24 AM

Page Number : 1
Vial Number : 49
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Last update on 10/17/14 ME

PID Data File Name : C:\HPCHEM\2\DATA\03-10-15\049R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\03-10-15\049F0101.D

Operator : TM Page Number : 1

Instrument : GC2 Vial Number : 49

Sample Name : Gas RT Injection Number : 1

Acquired on : 11-Mar-15 12:08 AM

Report Created on: 11 Mar 15 00:24 AM Analysis Method : GX.MTH

		Actual Time	Area	Cal Factor
Bromofluorobenzene				
% Recovery				
1	FID	6.319	4312	7.34E+05
0	PID	6.353	10244	6.52E+06
Benzene		Actual Time	Area	AL. FACTOR
50.08 ppb	FID	2.060	985704	1.97E+04
48.44 ppb	PID	2.060	4454687	9.20E+04
Toluene				
0.66 ppb	FID	4.033	11961	1.82E+04
0.53 ppb	PID	4.039	43376	8.22E+04
Ethylbenzene				
0.00 ppb	FID	0.000	0	1.35E+04
0.00 ppb	PID	0.000	0	5.41E+04
m,p-Xylenes				
1.22 ppb	FID	5.733	19323	1.59E+04
0.71 ppb	PID	5.729	54967	7.71E+04
o-Xylene				
0.30 ppb	FID	6.050	5049	1.66E+04
0.25 ppb	PID	6.043	17577	6.95E+04
MTBE				
18.67 ppb	FID	1.499	240321	1.29E+04
4.37 ppb	PID	1.500	69953	1.60E+04
Gasoline (NWTPHD-Gx) from benzene peak start to naphthalene peak end				
273.40 ppb	FID		1884535	6.89E+03
266.85 ppb	PID		8025993	3.01E+04
Gasoline (California, Alaska) from hexane peak start to decane peak start				
213.84 ppb	FID		1420700	6.64E+03
169.80 ppb	PID		4770415	2.81E+04

NWTPH-Gx
Sequence Tables

F&B Project 506112

Sequence Table

Inj.	Seq. Line	Cal. Line	Method Name	From Vial	To Vial	Inj/ Vial
FRONT						
	1					
REAR						
	1		GX	1	23	1

Sample Table

Vial Num.	Sample Name	Sample Amount	Multiplier	ISTD Amount
1	water blank			
2	05-1276 lcsv/ccv			
3	05-1276 lcsg/ccg			
4	05-1276 mb			
5	506185-05			
6	506185-04			
7	506195-04			
8	506195-05			
9	506195-06			
10	506185-02			
11	506185-04 dup			
12	506185-03			
13	506185-01			
14	506184-04			
15	506184-02			
16	506184-03			
17	506184-01			
18	rinse			
19	506187-01			
20	506112-01			
21	506191-01			
22	25 V 45-92#2			
23	500GX 45-47#2			

NWTPH-Gx
Checklists

F&B Project 506112

NWTPH-Gx/8015/AK101(Gas)/8021
Data Pack Checklist

	Satisfactory	Deficient	n/a
Data Quality (GC Analyst)			
Was the sequence taken down and documented?			
Is the initial calibration valid?			
Is the initial calibration second source ± 20%?			
Are CCV's ± 20%?			
Are CCV's ± 25% for AK 101			
Are all samples within 12 hours of passing CCV's?			
Are all surrogates within limits established by control charts?			
Are the LCS(s) within limits established by control charts?			
Are the MS(s) within limits established by control charts?			
Are the RPD's for duplicate samples within 20%?			
Are all the rush samples processed by 11AM?			
Is the entire sequence processed by the end of the day?			
Are all appropriate qualifiers added to the data?			
Were any poor baselines re-integrated?			
If "humps" were present are 8021 results tangent skimmed?			
Instrument Status (GC Analyst)			
Did the instrument have any errors?			
Were they documented in the maintenance logbook?			

GC Analyst Initials_____ Date_____

Data Review (Data Reviewer)			
Are the reintegrated samples calculated correctly?			
Are the correct initial volumes/weights typed in on the daily excel sheet?			
Are the correct final volumes typed in on the daily excel sheet?			
Are the correct dry weights entered in the excel sheet?			
Do the reports have the correct dates extracted/analyzed?			
Is the correct instrument marked?			
Is the report header correct?			
Does the report have the correct units?			
Does the report have the correct matrix?			
Does the report have the correct QA/QC?			
Is the QA/QC calculated correctly?			
Does the method blank have the correct value entered?			
Were all requested chromatograms printed?			
Is EDF QC added if appropriate?			
Was the review performed within 24 hours of calculation?			

Reviewer's Initials_____ Date_____

Attach to data pack.

NWTPH-Gx
CCV Summaries

F&B Project 506112

Last update on 10/17/14 ME

PID Data File Name : C:\HPCHEM\2\DATA\06-09-15\003R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\06-09-15\003F0101.D

Operator : TM Page Number : 1

Instrument : GC2 Vial Number : 3

Sample Name : 05-1276 lcsg/ccg Injection Number : 1

Acquired on : 9-Jun-15 7:21 AM

Report Created on: 09 Jun 15 08:25 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
107	FID	6.343	850536	7.95E+05
106	PID	6.343	1.1E+07	1.06E+07
Benzene		Actual Time	Area	AL. FACTOR
16.46 ppb	FID	2.039	315989	1.92E+04
15.79 ppb	PID	2.039	2099022	1.33E+05
Toluene				
94.25 ppb	FID	4.011	1706082	1.81E+04
96.34 ppb	PID	4.012	1.2E+07	1.22E+05
Ethylbenzene				
18.56 ppb	FID	5.583	263732	1.42E+04
19.61 ppb	PID	5.584	1690882	8.62E+04
m,p-Xylenes				
69.77 ppb	FID	5.709	1133949	1.63E+04
74.55 ppb	PID	5.709	8866400	1.19E+05
o-Xylene				
29.32 ppb	FID	6.023	502290	1.71E+04
31.37 ppb	PID	6.023	3367029	1.07E+05
MTBE				
27.91 ppb	FID	1.488	359135	1.29E+04
78.63 ppb	PID	1.526	1258925	1.60E+04
Gasoline (NWTPHD-Gx) from benzene peak start to naphthalene peak end				
966.55 ppb	FID		6584346	6.81E+03
1761.12 ppb	PID		4.2E+07	2.38E+04
Gasoline (California, Alaska) from hexane peak start to decane peak start				
968.73 ppb	FID		6588153	6.80E+03
1755.98 ppb	PID		3.9E+07	2.23E+04

Last update on 10/17/14 ME

PID Data File Name : C:\HPCHEM\2\DATA\06-09-15\023R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\06-09-15\023F0101.D

Operator : TM Page Number : 1
Instrument : GC2 Vial Number : 23
Sample Name : 500GX 45-47#2 Injection Number : 1
Acquired on : 9-Jun-15 3:17 PM
Report Created on: 09 Jun 15 03:33 PM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
98	FID	6.437	781597	7.95E+05
106	PID	6.436	1.1E+07	1.06E+07

Benzene		Actual Time	Area	AL. FACTOR
9.12 ppb	FID	2.122	175136	1.92E+04
8.78 ppb	PID	2.120	1167870	1.33E+05
Toluene				
49.52 ppb	FID	4.125	896396	1.81E+04
55.92 ppb	PID	4.125	6838174	1.22E+05
Ethylbenzene				
9.89 ppb	FID	5.681	140473	1.42E+04
11.22 ppb	PID	5.681	967827	8.62E+04
m,p-Xylenes				
37.17 ppb	FID	5.805	604065	1.63E+04
42.15 ppb	PID	5.804	5013108	1.19E+05
o-Xylene				
15.67 ppb	FID	6.119	268411	1.71E+04
17.89 ppb	PID	6.118	1919773	1.07E+05
MTBE				
13.33 ppb	FID	1.547	171517	1.29E+04
5.08 ppb	PID	1.443	81296	1.60E+04

Gasoline (NWTPHD-Gx) from benzene peak start to naphthalene peak end			
507.99 ppb	FID	3460535	6.81E+03
1002.71 ppb	PID	2.4E+07	2.38E+04

Gasoline (California, Alaska) from hexane peak start to decane peak start			
504.43 ppb	FID	3430526	6.80E+03
996.71 ppb	PID	2.2E+07	2.23E+04

NWTPH-Gx
Quality Assurance Data

F&B Project 506112

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\06-09-15\002F0101.D
Operator : TM
Instrument : GC2
Sample Name : 05-1276 lcsv/ccv
Run Time Bar Code:
Acquired on : 09 Jun 15 07:00 AM
Report Created on: 09 Jun 15 08:24 AM

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\06-09-15\002F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.505	314319	76756	PV	0.060	4.8492
2	0.686	261153	48659	VV	0.080	4.0290
3	1.196	313588	53168	VV	0.090	4.8379
4	1.491	16981	2267	VV	0.109	0.2620
5	2.031	883771	117042	VV	0.116	13.6345
6	2.505	2343	641	VV	0.061	0.0362
7	2.561	6346	636	VV	0.166	0.0979
8	2.812	1520	276	VV	0.092	0.0235
9	3.199	282	137	VV	0.034	0.0044
10	3.264	383	121	VV	0.053	0.0059
11	3.361	494	135	VV	0.061	0.0076
12	3.521	492	117	VV	0.070	0.0076
13	3.622	302	91	PV	0.055	0.0047
14	4.007	842168	108886	VV	0.119	12.9927
15	4.517	3695	549	VV	0.112	0.0570
16	4.675	2486	333	VV	0.124	0.0383
17	4.852	2063	226	VV	0.152	0.0318
18	5.058	848	139	PV	0.102	0.0131
19	5.267	491	77	VV	0.096	0.0076
20	5.575	689790	125986	PV	0.084	10.6418
21	5.706	1547787	238045	VV	0.098	23.8787
22	6.016	801103	131000	VV	0.094	12.3591
23	6.337	768582	120976	VV	0.096	11.8574
24	7.485	1388	236	VB	0.098	0.0214
25	7.711	542	98	BV	0.092	0.0084
26	7.800	318	104	VV	0.051	0.0049
27	7.937	615	104	VV	0.081	0.0095
28	8.172	849	129	VV	0.110	0.0131
29	8.721	433	104	VV	0.059	0.0067
30	8.880	819	98	VV	0.116	0.0126
31	9.143	402	140	VV	0.048	0.0062
32	9.879	708	80	PV	0.147	0.0109
33	10.138	496	99	PV	0.069	0.0077
34	10.264	188	94	VV	0.033	0.0029
35	10.358	433	91	VV	0.079	0.0067
36	10.695	863	130	VV	0.111	0.0133
37	10.780	490	140	VV	0.058	0.0076
38	10.884	435	142	PV	0.051	0.0067
39	11.054	577	93	PV	0.104	0.0089
40	11.156	483	103	VV	0.082	0.0075
41	11.280	566	81	VV	0.116	0.0087
42	11.557	407	84	VV	0.069	0.0063
43	11.638	329	127	VV	0.043	0.0051
44	11.735	230	59	PV	0.070	0.0035
45	11.934	523	58	VB	0.150	0.0081
46	12.865	871	67	PV	0.216	0.0134
47	13.145	417	55	VV	0.127	0.0064

Data File Name : C:\HPCHEM\2\DATA\06-09-15\002F0101.D
Operator : TM
Instrument : GC2
Sample Name : 05-1276 lcsv/ccv
Run Time Bar Code:
Acquired on : 09 Jun 15 07:00 AM
Report Created on: 09 Jun 15 08:24 AM

Page Number : 2
Vial Number : 2
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	13.368	485	94	PV	0.086	0.0075
49	13.471	428	112	PV	0.064	0.0066
50	13.556	441	93	VV	0.079	0.0068
51	13.668	214	80	VV	0.044	0.0033
52	13.744	396	98	PV	0.068	0.0061
53	14.071	487	71	PV	0.112	0.0075
54	14.189	353	94	PV	0.056	0.0055
55	14.310	389	81	VV	0.068	0.0060
56	14.481	2443	220	VV	0.197	0.0377
57	14.774	1102	140	VV	0.132	0.0170
58	15.014	339	67	PV	0.084	0.0052
59	15.177	179	31	VV	0.095	0.0028
60	15.282	248	55	PBA	0.075	0.0038

Total area = 6481871

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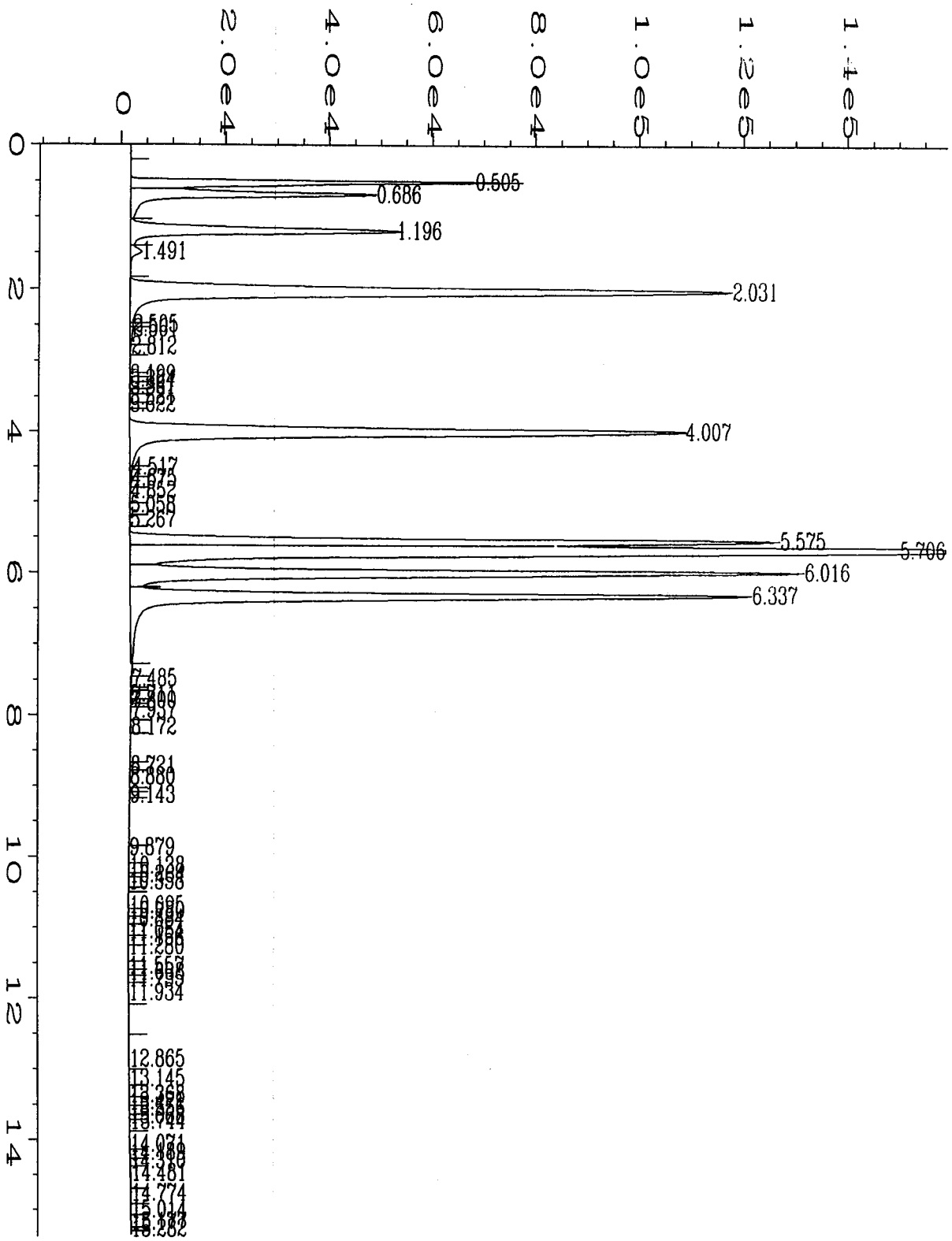


Data File Name	: C:\HPCHEM\2\DATA\06-09-15\002F0101.D		
Operator	: TM	Page Number	: 1
Instrument	: GC2	Vial Number	: 2
Sample Name	: 05-1276 lcsv/ccv	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 09 Jun 15 07:00 AM	Instrument Method	: GX.MTH
Report Created on	: 09 Jun 15 08:24 AM	Analysis Method	: GX.MTH

Area Percent Report

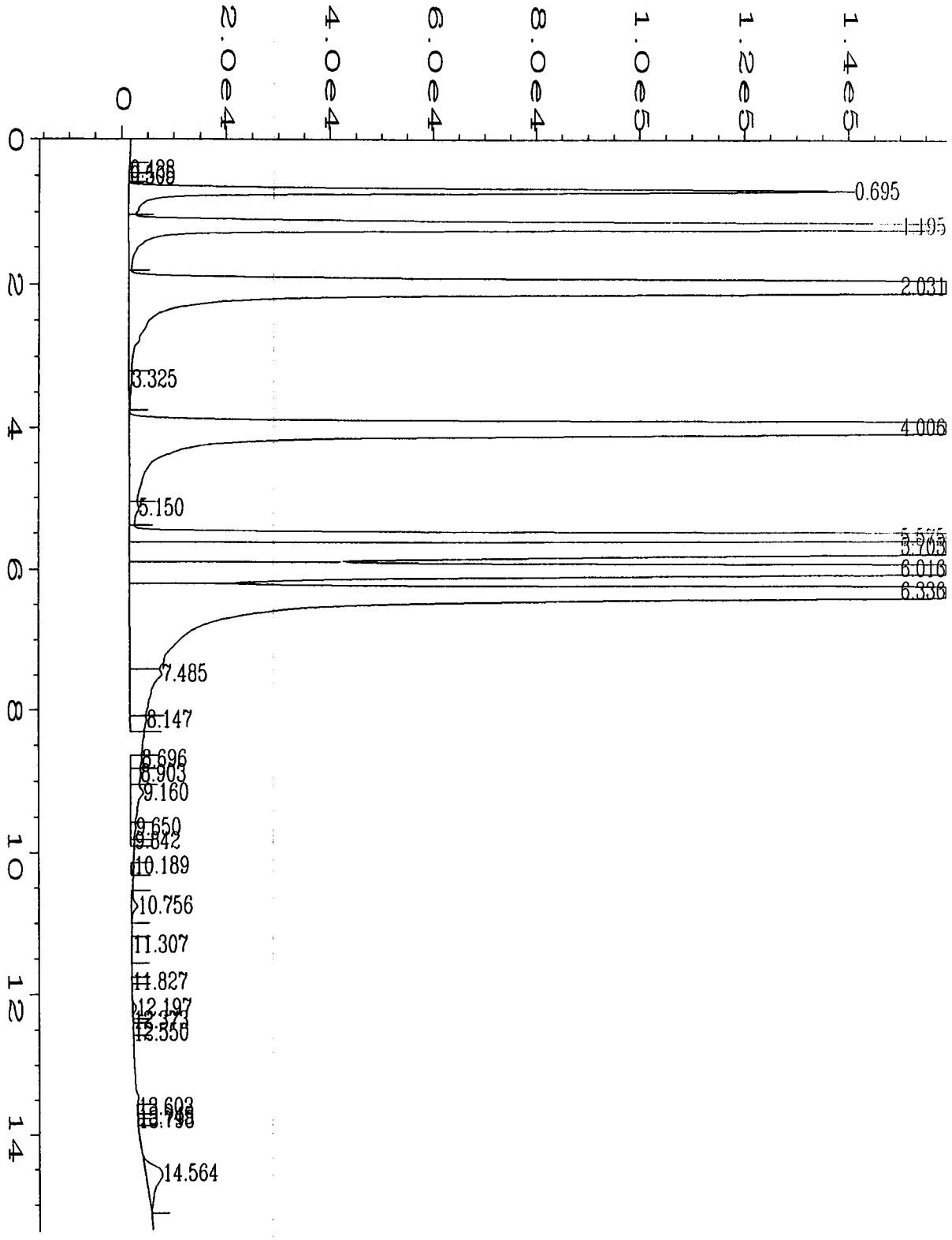
Data File Name : C:\HPCHEM\2\DATA\06-09-15\002R0101.D
Operator : TM
Instrument : GC2
Sample Name : 05-1276 lcsv/ccv
Run Time Bar Code:
Acquired on : 09 Jun 15 07:00 AM
Report Created on: 09 Jun 15 08:24 AM

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\06-09-15\002R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.423	781	259	BV	0.050	0.0016
2	0.505	795	225	PV	0.055	0.0016
3	0.695	645338	141526	PV	0.068	1.2953
4	1.195	1998473	337112	VV	0.090	4.0112
5	2.031	7041715	918214	VV	0.118	14.1338
6	3.325	11707	558	VV	0.258	0.0235
7	4.006	6423032	814477	VV	0.121	12.8920
8	5.150	27917	1797	VV	0.209	0.0560
9	5.575	4590884	845778	VV	0.083	9.2146
10	5.705	1.22714E+007	1861231	VV	0.100	24.6306
11	6.016	5519166	891401	VV	0.095	11.0778
12	6.336	1.08719E+007	1664240	VV	0.099	21.8216
13	7.485	175971	6158	VV	0.354	0.3532
14	8.147	38397	3129	VV	0.163	0.0771
15	8.696	22054	2178	VV	0.169	0.0443
16	8.903	25489	1983	VV	0.176	0.0512
17	9.160	48477	2446	VV	0.260	0.0973
18	9.650	11433	927	VV	0.170	0.0229
19	9.842	3720	722	VV	0.086	0.0075
20	10.189	4733	528	VV	0.122	0.0095
21	10.756	12515	1148	VV	0.157	0.0251
22	11.307	1591	124	VB	0.214	0.0032
23	11.827	159	46	PV	0.060	0.0003
24	12.197	5413	656	VV	0.112	0.0109
25	12.373	160	67	VV	0.040	0.0003
26	12.550	225	47	PV	0.100	0.0005
27	13.603	964	158	VV	0.102	0.0019
28	13.745	194	55	VV	0.059	0.0004
29	13.798	325	91	PV	0.059	0.0007
30	14.564	66857	3192	PV	0.292	0.1342

Total area = 4.98219E+007



Data File Name : C:\HPCHEM\2\DATA\06-09-15\002R0101.D
Operator : TM
Instrument : GC2
Sample Name : 05-1276 lcsv/ccv
Run Time Bar Code:
Acquired on : 09 Jun 15 07:00 AM
Report Created on: 09 Jun 15 08:24 AM

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Last update on 10/17/14 ME

PID Data File Name : C:\HPCHEM\2\DATA\06-09-15\002R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\06-09-15\002F0101.D

Operator : TM Page Number : 1

Instrument : GC2 Vial Number : 2

Sample Name : 05-1276 lcsv/ccv Injection Number : 1

Acquired on : 9-Jun-15 7:00 AM

Report Created on: 09 Jun 15 08:24 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
97	FID	6.337	768582	7.95E+05
102	PID	6.336	1.1E+07	1.06E+07
Benzene		Actual Time	Area	AL. FACTOR
46.03 ppb	FID	2.031	883771	1.92E+04
52.96 ppb	PID	2.031	7041715	1.33E+05
Toluene				
46.52 ppb	FID	4.007	842168	1.81E+04
52.53 ppb	PID	4.006	6423032	1.22E+05
Ethylbenzene				
48.55 ppb	FID	5.575	689790	1.42E+04
53.23 ppb	PID	5.575	4590884	8.62E+04
m,p-Xylenes				
95.24 ppb	FID	5.706	1547787	1.63E+04
103.18 ppb	PID	5.705	1.2E+07	1.19E+05
o-Xylene				
46.77 ppb	FID	6.016	801103	1.71E+04
51.42 ppb	PID	6.016	5519166	1.07E+05
MTBE				
1.32 ppb	FID	1.491	16981	1.29E+04
0.00 ppb	PID	0.000	0	1.60E+04
Gasoline (NWTPHD-Gx) from benzene peak start to naphthalene peak end				
703.40 ppb	FID		4791730	6.81E+03
1519.82 ppb	PID		3.6E+07	2.38E+04
Gasoline (California, Alaska) from hexane peak start to decane peak start				
706.49 ppb	FID		4804733	6.80E+03
1616.78 ppb	PID		3.6E+07	2.23E+04

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\06-09-15\003F0101.D
Operator : TM
Instrument : GC2
Sample Name : 05-1276 lcsg/ccg
Run Time Bar Code:
Acquired on : 09 Jun 15 07:21 AM
Report Created on: 09 Jun 15 08:25 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\06-09-15\003F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.143	608	131	BV	0.078	0.0060
2	0.230	396	110	VV	0.060	0.0039
3	0.346	417	90	VV	0.070	0.0041
4	0.505	362046	77205	VV	0.067	3.5782
5	0.844	389857	85252	VV	0.069	3.8530
6	0.916	673628	91449	VV	0.102	6.6576
7	1.245	605863	59556	VV	0.142	5.9879
8	1.488	359135	41245	VV	0.126	3.5494
9	1.755	240065	27648	VV	0.129	2.3726
10	2.039	315989	32881	VV	0.140	3.1230
11	2.311	258929	16667	VV	0.205	2.5591
12	2.666	236669	19042	VV	0.185	2.3391
13	2.898	145623	11325	VV	0.187	1.4392
14	3.326	80894	7394	VV	0.167	0.7995
15	3.608	75467	6451	VV	0.175	0.7459
16	4.011	1706082	206291	VV	0.125	16.8616
17	4.381	79998	8721	VV	0.132	0.7906
18	4.590	44361	4420	VV	0.141	0.4384
19	4.836	74470	5817	VV	0.180	0.7360
20	5.343	47676	2701	VV	0.217	0.4712
21	5.583	263732	50745	VV	0.079	2.6065
22	5.709	1133949	170768	VV	0.100	11.2071
23	6.023	502290	78371	VV	0.097	4.9642
24	6.343	850536	132390	VV	0.097	8.4060
25	6.936	505098	54948	VV	0.128	4.9920
26	7.139	113707	19231	VV	0.089	1.1238
27	7.315	387745	68170	VV	0.087	3.8322
28	7.497	16274	3331	VV	0.071	0.1608
29	7.637	111357	18891	VV	0.089	1.1006
30	7.778	54128	8690	VV	0.093	0.5350
31	8.017	106074	10955	VV	0.154	1.0484
32	8.273	64564	10018	VV	0.100	0.6381
33	8.314	59645	10038	VV	0.099	0.5895
34	8.548	19643	3033	VV	0.094	0.1941
35	8.693	59255	8428	VV	0.107	0.5856
36	8.899	21055	3678	VV	0.083	0.2081
37	9.008	49697	5077	VV	0.136	0.4912
38	9.312	26680	3053	VV	0.122	0.2637
39	9.456	17826	1981	VV	0.150	0.1762
40	9.693	5469	835	VV	0.091	0.0541
41	9.809	6387	843	VV	0.100	0.0631
42	9.960	5858	750	VV	0.108	0.0579
43	10.090	5250	698	VV	0.105	0.0519
44	10.241	4788	685	VV	0.094	0.0473
45	10.349	7095	561	VV	0.211	0.0701
46	10.678	3597	297	VV	0.202	0.0355
47	10.914	1366	272	VV	0.087	0.0135

Data File Name : C:\HPCHEM\2\DATA\06-09-15\003F0101.D
Operator : TM
Instrument : GC2
Sample Name : 05-1276 lcsg/ccg
Run Time Bar Code:
Acquired on : 09 Jun 15 07:21 AM
Report Created on: 09 Jun 15 08:25 AM

Page Number : 2
Vial Number : 3
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	11.011	347	154	PV	0.038	0.0034
49	11.096	1124	174	VV	0.086	0.0111
50	11.240	524	117	VV	0.074	0.0052
51	11.335	690	84	VB	0.119	0.0068
52	12.142	215	113	PV	0.043	0.0021
53	12.212	178	80	PV	0.037	0.0018
54	12.277	268	101	VV	0.044	0.0026
55	12.397	202	105	PV	0.037	0.0020
56	12.549	447	113	VV	0.068	0.0044
57	12.678	903	106	PV	0.158	0.0089
58	12.982	641	128	VV	0.083	0.0063
59	13.083	491	122	VV	0.061	0.0049
60	13.144	320	156	VV	0.034	0.0032
61	13.217	720	138	PV	0.092	0.0071
62	13.403	1034	146	VV	0.104	0.0102
63	13.496	609	114	VV	0.089	0.0060
64	13.744	1179	155	VV	0.127	0.0116
65	13.815	772	107	VV	0.120	0.0076
66	14.007	284	99.7	VV	0.044	0.0028
67	14.097	402	113	PV	0.059	0.0040
68	14.218	479	97	VV	0.078	0.0047
69	14.321	757	156	VV	0.081	0.0075
70	14.528	1765	158	VV	0.147	0.0174
71	14.707	432	125	VV	0.058	0.0043
72	14.786	419	127	VV	0.055	0.0041
73	14.881	520	124	VV	0.070	0.0051
74	14.999	1192	104	VV	0.167	0.0118

Total area = 1.01182E+007

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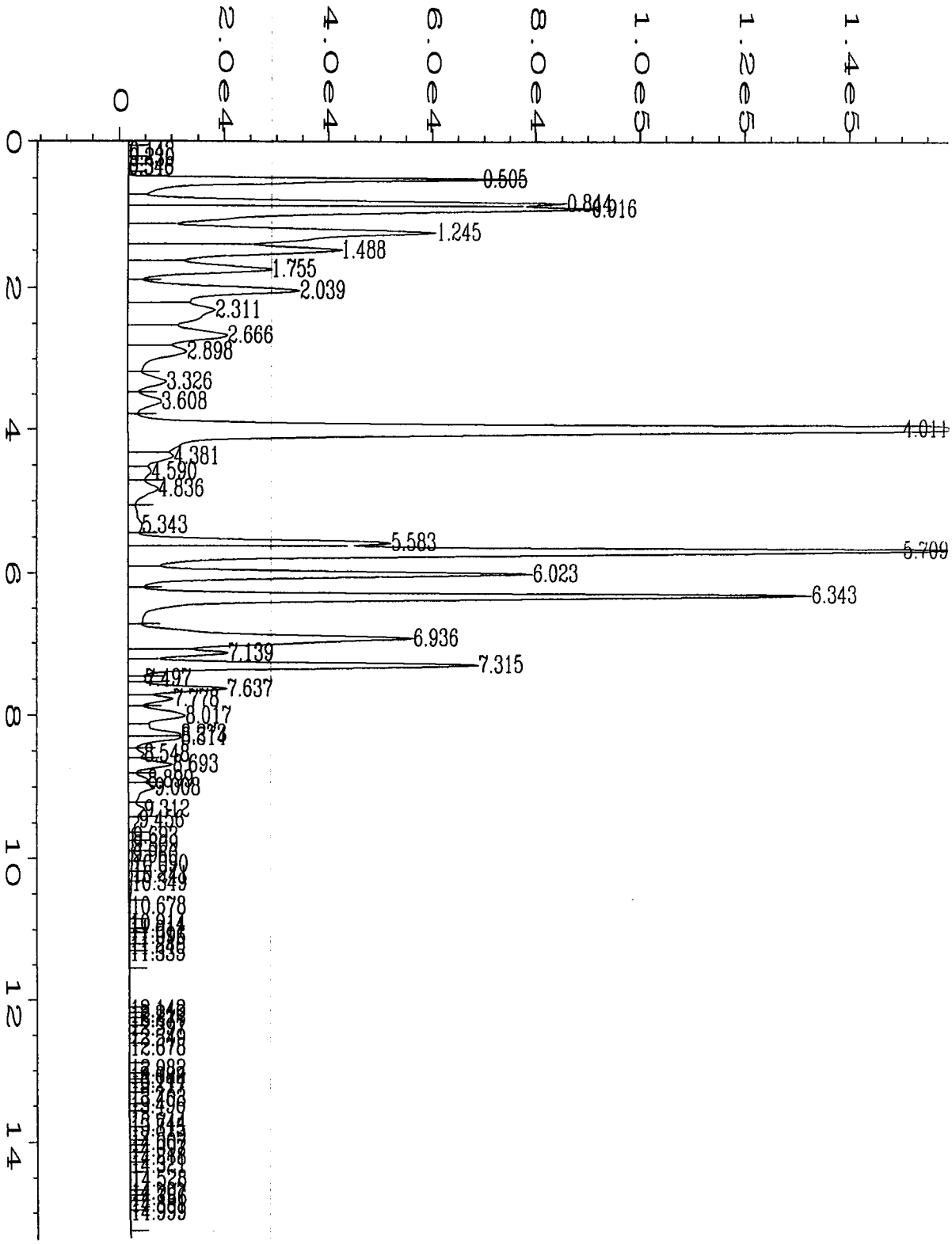

Data File Name : C:\HPCHEM\2\DATA\06-09-15\003F0101.D
Operator : TM
Instrument : GC2
Sample Name : 05-1276 lcsg/ccg
Run Time Bar Code:
Acquired on : 09 Jun 15 07:21 AM
Report Created on: 09 Jun 15 08:25 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\06-09-15\003R0101.D
Operator : TM
Instrument : GC2
Sample Name : 05-1276 lcsg/ccg
Run Time Bar Code:
Acquired on : 09 Jun 15 07:21 AM
Report Created on: 09 Jun 15 08:25 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\06-09-15\003R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.505	969	262	VV	0.055	0.0017
2	0.971	1594474	178996	PV	0.134	2.7894
3	1.242	524666	65869	VV	0.118	0.9179
4	1.357	253411	46111	VV	0.079	0.4433
5	1.526	1258925	88553	VV	0.198	2.2024
6	2.039	2099022	242485	VV	0.130	3.6721
7	2.291	362481	29116	VV	0.166	0.6341
8	2.671	476284	38906	VV	0.183	0.8332
9	2.902	449989	28099	VV	0.223	0.7872
10	3.327	240405	21848	VV	0.163	0.4206
11	3.615	152211	13292	VV	0.169	0.2663
12	4.012	1.1781E+007	1480176	VV	0.122	20.6102
13	4.382	397996	28977	VV	0.185	0.6963
14	4.832	325834	18224	VV	0.261	0.5700
15	5.181	68218	7684	VV	0.148	0.1193
16	5.345	118923	10392	VV	0.173	0.2080
17	5.584	1690882	342937	VV	0.075	2.9581
18	5.709	8866400	1340583	VV	0.100	15.5112
19	6.023	3367029	532133	VV	0.097	5.8904
20	6.343	1.12648E+007	1778424	VV	0.097	19.7072
21	6.937	3813292	386338	VV	0.136	6.6711
22	7.138	671742	120018	VV	0.084	1.1752
23	7.315	2952237	512849	VV	0.088	5.1648
24	7.489	73609	21534	VV	0.057	0.1288
25	7.637	778002	129304	VV	0.091	1.3611
26	7.779	364100	58164	VV	0.092	0.6370
27	8.020	794052	78417	VV	0.158	1.3891
28	8.315	706148	64273	VV	0.149	1.2354
29	8.546	111996	17668	VV	0.092	0.1959
30	8.693	455776	66716	VV	0.104	0.7974
31	8.900	147416	25049	VV	0.098	0.2579
32	9.008	327984	34632	VV	0.132	0.5738
33	9.310	220404	27024	VV	0.116	0.3856
34	9.457	113185	13057	VV	0.144	0.1980
35	9.692	29565	4911	VV	0.082	0.0517
36	9.812	42136	5387	VV	0.110	0.0737
37	9.959	39227	5452	VV	0.104	0.0686
38	10.097	32780	4338	VV	0.108	0.0573
39	10.248	30856	4337	VV	0.103	0.0540
40	10.360	31851	4588	VV	0.099	0.0557
41	10.493	35217	3554	VV	0.135	0.0616
42	10.760	36053	2376	VV	0.204	0.0631
43	12.199	8888	726	VV	0.162	0.0155
44	12.880	281	77	PV	0.061	0.0005
45	13.212	238	75	PV	0.050	0.0004
46	13.320	63	30	PV	0.035	0.0001
47	13.467	2788	339	PV	0.119	0.0049

48	13.665	552	89	VV	0.103	0.0010
49	14.513	46051	2005	PV	0.311	0.0806
50	15.096	689	108	VV	0.106	0.0012

Total area = 5.71611E+007

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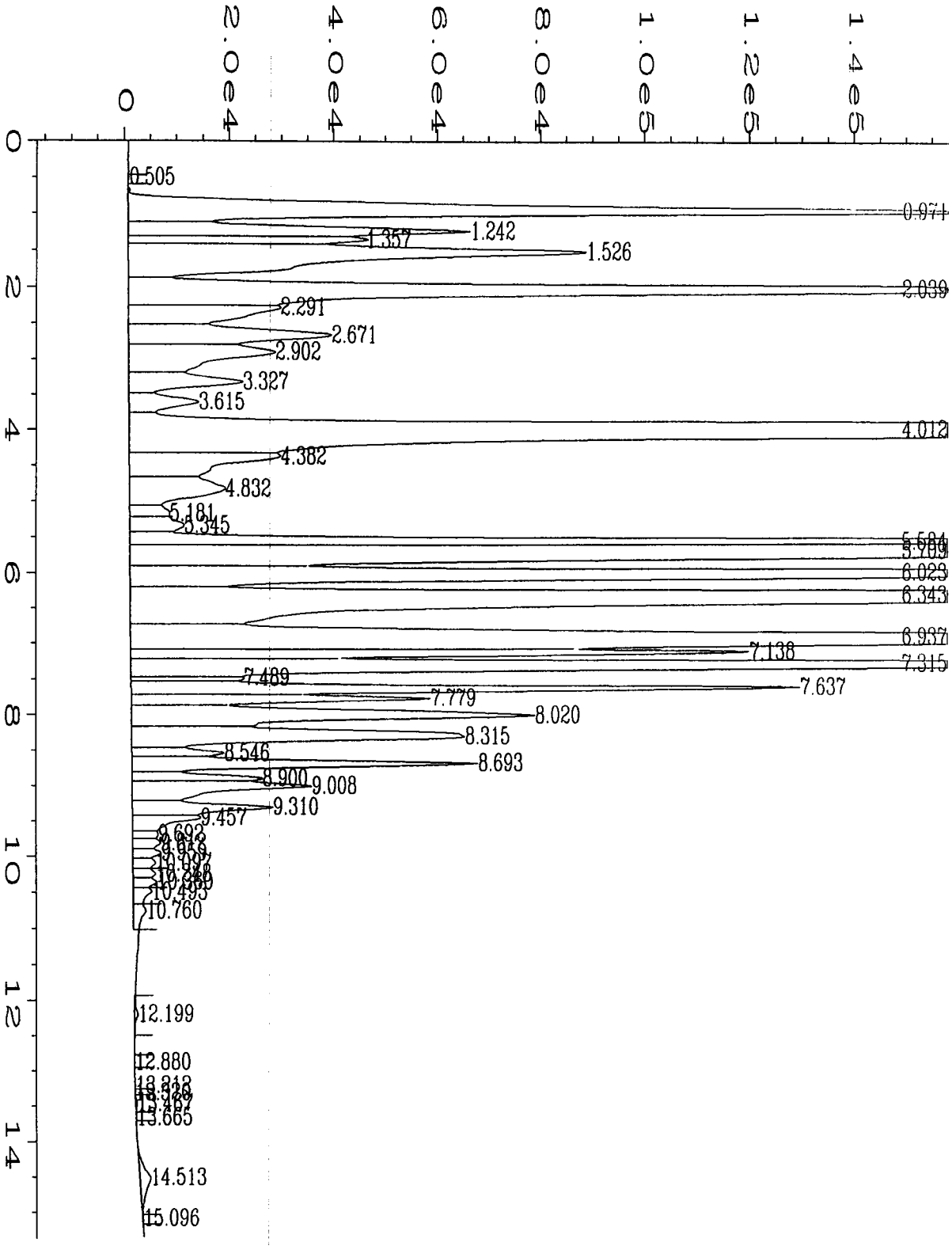

Data File Name : C:\HPCHEM\2\DATA\06-09-15\003R0101.D
Operator : TM
Instrument : GC2
Sample Name : 05-1276 lcsg/ccg
Run Time Bar Code:
Acquired on : 09 Jun 15 07:21 AM
Report Created on: 09 Jun 15 08:25 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Last update on 10/17/14 ME

PID Data File Name : C:\HPCHEM\2\DATA\06-09-15\003R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\06-09-15\003F0101.D

Operator : TM Page Number : 1
Instrument : GC2 Vial Number : 3
Sample Name : 05-1276 lcsg/ccg Injection Number : 1
Acquired on : 9-Jun-15 7:21 AM
Report Created on: 09 Jun 15 08:25 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
107	FID	6.343	850536	7.95E+05
106	PID	6.343	1.1E+07	1.06E+07
Benzene		**Actual Time**	**Area**	**AL. FACTOR**
16.46 ppb	FID	2.039	315989	1.92E+04
15.79 ppb	PID	2.039	2099022	1.33E+05
Toluene				
94.25 ppb	FID	4.011	1706082	1.81E+04
96.34 ppb	PID	4.012	1.2E+07	1.22E+05
Ethylbenzene				
18.56 ppb	FID	5.583	263732	1.42E+04
19.61 ppb	PID	5.584	1690882	8.62E+04
m,p-Xylenes				
69.77 ppb	FID	5.709	1133949	1.63E+04
74.55 ppb	PID	5.709	8866400	1.19E+05
o-Xylene				
29.32 ppb	FID	6.023	502290	1.71E+04
31.37 ppb	PID	6.023	3367029	1.07E+05
MTBE				
27.91 ppb	FID	1.488	359135	1.29E+04
78.63 ppb	PID	1.526	1258925	1.60E+04
Gasoline (NWTPHD-Gx) from benzene peak start to naphthalene peak end				
966.55 ppb	FID		6584346	6.81E+03
1761.12 ppb	PID		4.2E+07	2.38E+04
Gasoline (California, Alaska) from hexane peak start to decane peak start				
968.73 ppb	FID		6588153	6.80E+03
1755.98 ppb	PID		3.9E+07	2.23E+04

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\06-09-15\004F0101.D
Operator : TM
Instrument : GC2
Sample Name : 05-1276 mb
Run Time Bar Code:
Acquired on : 09 Jun 15 07:41 AM
Report Created on: 09 Jun 15 08:26 AM

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\06-09-15\004F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.184	387	67	BV	0.096	0.0402
2	0.508	79715	15426	PV	0.073	8.2942
3	0.819	12718	1010	VV	0.160	1.3233
4	1.229	4157	419	VV	0.143	0.4326
5	1.342	904	310	VV	0.049	0.0941
6	1.493	16531	2634	VV	0.094	1.7200
7	2.008	746	139	VV	0.084	0.0776
8	2.202	918	139	VV	0.118	0.0955
9	2.350	1289	221	VV	0.082	0.1341
10	2.438	770	171	VV	0.079	0.0801
11	2.606	2262	431	VV	0.074	0.2353
12	2.648	3699	437	VV	0.141	0.3848
13	2.867	1016	174	VV	0.098	0.1058
14	3.621	1356	208	VV	0.090	0.1411
15	3.703	432	129	VV	0.056	0.0449
16	4.009	5153	492	PV	0.146	0.5361
17	4.287	5656	410	VV	0.208	0.5885
18	4.565	1778	290	VV	0.102	0.1850
19	4.813	2287	290	PV	0.111	0.2379
20	5.083	139	79	VV	0.029	0.0145
21	5.150	433	123	VV	0.056	0.0451
22	5.217	804	141	VV	0.095	0.0836
23	5.399	1945	274	VV	0.095	0.2023
24	5.736	6132	717	VV	0.110	0.6380
25	5.815	6781	655	VV	0.172	0.7056
26	6.077	1231	324	VV	0.063	0.1281
27	6.350	745222	123605	VV	0.092	77.5390
28	6.945	16356	760	VV	0.359	1.7018
29	7.334	4908	609	VV	0.116	0.5106
30	7.506	4238	479	VV	0.147	0.4410
31	7.734	928	353	VV	0.044	0.0965
32	7.804	3298	335	VV	0.164	0.3431
33	7.992	1343	325	VV	0.069	0.1398
34	8.189	4103	377	VV	0.146	0.4269
35	8.598	699	186	VV	0.056	0.0727
36	8.684	1361	180	VV	0.126	0.1416
37	8.856	248	124	VV	0.033	0.0258
38	8.942	917	136	VV	0.094	0.0954
39	9.211	383	118	VV	0.047	0.0399
40	9.305	218	70	PV	0.064	0.0227
41	10.106	967	86	PV	0.188	0.1006
42	10.371	234	91	VV	0.043	0.0244
43	10.515	320	74	PV	0.068	0.0333
44	10.587	235	133	VV	0.040	0.0245
45	10.640	266	129	VV	0.034	0.0276
46	10.750	811	128	VV	0.106	0.0844
47	11.000	881	107	PV	0.138	0.0916

Data File Name : C:\HPCHEM\2\DATA\06-09-15\004F0101.D
Operator : TM
Instrument : GC2
Sample Name : 05-1276 mb
Run Time Bar Code:
Acquired on : 09 Jun 15 07:41 AM
Report Created on: 09 Jun 15 08:26 AM

Page Number : 2
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	11.330	1207	97	PV	0.196	0.1256
49	11.546	478	132	PV	0.056	0.0497
50	11.627	566	133	VV	0.071	0.0589
51	11.807	620	132	VV	0.071	0.0645
52	11.908	227	97	VV	0.039	0.0236
53	11.955	248	119	VV	0.035	0.0258
54	12.098	537	109	PV	0.081	0.0559
55	12.199	822	138	VV	0.088	0.0855
56	12.365	228	71	PV	0.053	0.0237
57	12.464	479	136	VV	0.061	0.0499
58	12.652	577	127	PV	0.068	0.0601
59	12.828	697	88	PV	0.133	0.0725
60	13.079	334	154	VV	0.046	0.0347
61	13.185	636	98	VV	0.109	0.0661
62	13.379	306	133	VV	0.038	0.0318
63	13.495	895	118	PV	0.133	0.0931
64	13.648	391	142	VV	0.046	0.0407
65	13.829	388	121	VV	0.056	0.0404
66	13.881	640	112	VV	0.096	0.0666
67	14.071	452	111	VV	0.068	0.0470
68	14.302	1713	131	PV	0.178	0.1782
69	14.603	302	110	VV	0.046	0.0315
70	14.671	316	79	VV	0.066	0.0329
71	14.864	440	94	VV	0.083	0.0458
72	15.028	300	46	PV	0.110	0.0312
73	15.267	121	46	PBA	0.044	0.0126

Total area = 961093

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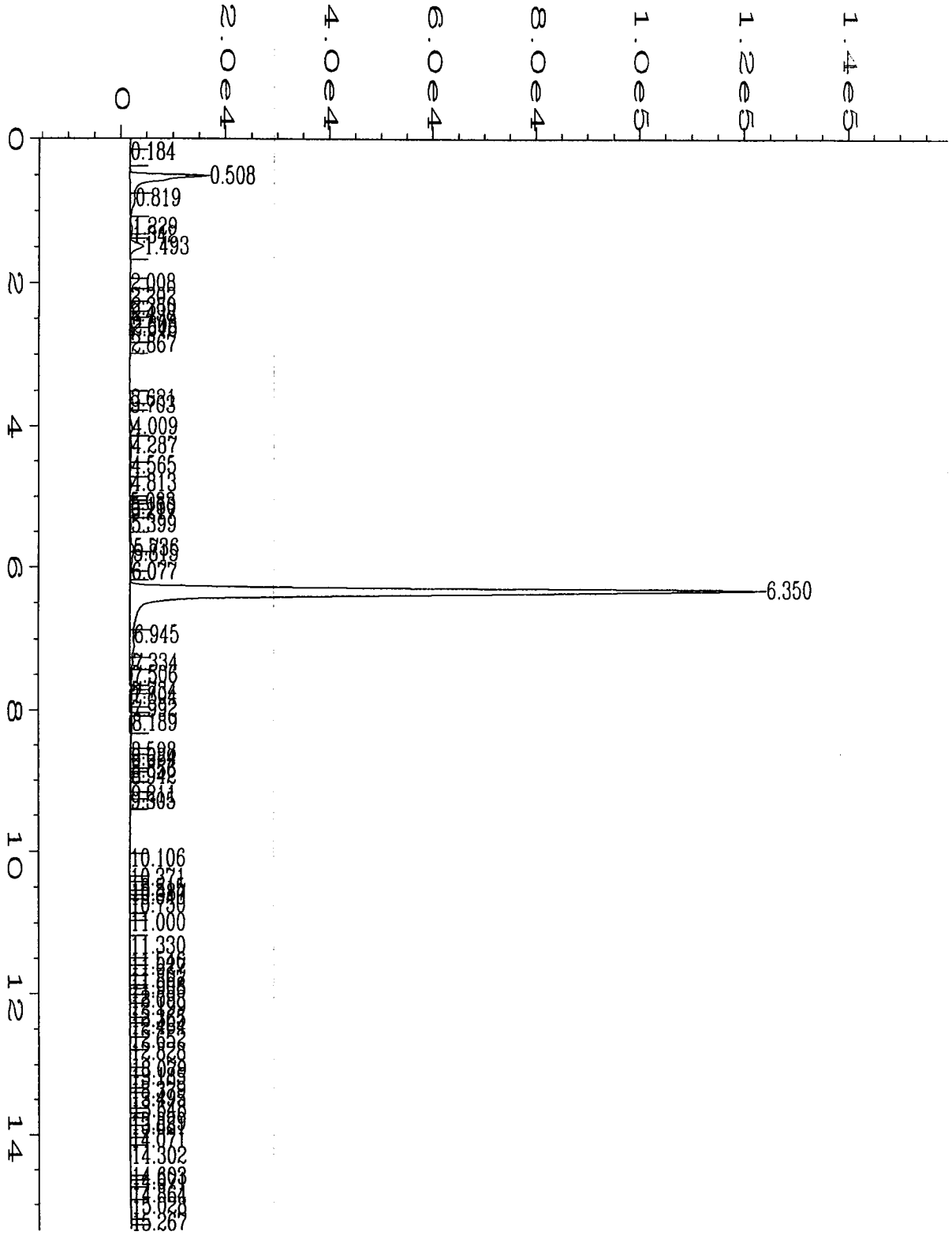

Data File Name : C:\HPCHEM\2\DATA\06-09-15\004F0101.D
Operator : TM
Instrument : GC2
Sample Name : 05-1276 mb
Run Time Bar Code:
Acquired on : 09 Jun 15 07:41 AM
Report Created on: 09 Jun 15 08:26 AM

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\06-09-15\004R0101.D
Operator : TM
Instrument : GC2
Sample Name : 05-1276 mb
Run Time Bar Code:
Acquired on : 09 Jun 15 07:41 AM
Report Created on: 09 Jun 15 08:26 AM

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\06-09-15\004R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.163	199	69	BV	0.048	0.0018
2	0.431	834	168	VV	0.083	0.0077
3	0.653	515	180	PV	0.045	0.0047
4	0.801	947	193	VV	0.076	0.0087
5	0.991	6590	672	VV	0.135	0.0606
6	1.247	6017	482	VV	0.166	0.0553
7	1.521	4005	449	VV	0.115	0.0368
8	1.679	2561	231	VV	0.141	0.0235
9	2.035	5781	596	VV	0.135	0.0531
10	2.345	2624	248	VV	0.150	0.0241
11	2.660	11796	810	VV	0.184	0.1084
12	3.350	1220	150	PV	0.116	0.0112
13	3.616	2467	287	PV	0.120	0.0227
14	4.027	25311	2710	PV	0.141	0.2326
15	4.266	3917	483	VV	0.109	0.0360
16	4.397	3589	492	VV	0.101	0.0330
17	4.582	3546	431	VV	0.106	0.0326
18	4.839	2749	371	VV	0.110	0.0253
19	5.182	4348	507	PV	0.112	0.0400
20	5.399	4588	520	VV	0.122	0.0422
21	5.602	7152	1393	VV	0.078	0.0657
22	5.721	39760	4368	VV	0.130	0.3654
23	6.031	11979	1586	VV	0.109	0.1101
24	6.349	1.04428E+007	1673510	VV	0.095	95.9695
25	7.324	54517	6157	VV	0.123	0.5010
26	7.501	69687	4526	VV	0.201	0.6404
27	7.784	25471	2893	VV	0.125	0.2341
28	7.966	31195	2702	VV	0.157	0.2867
29	8.173	17398	2359	VV	0.107	0.1599
30	8.251	11184	2149	VV	0.087	0.1028
31	8.707	15047	1467	VV	0.145	0.1383
32	8.923	13973	1120	VV	0.167	0.1284
33	9.175	14971	1630	VV	0.136	0.1376
34	9.327	8730	829	VV	0.138	0.0802
35	10.379	379	93	PB	0.068	0.0035
36	10.769	5618	785	BV	0.114	0.0516
37	11.995	950	102	PV	0.124	0.0087
38	12.203	5490	626	VV	0.124	0.0505
39	12.532	1042	117	VV	0.131	0.0096
40	12.823	485	93	PV	0.087	0.0045
41	12.908	258	60	VB	0.072	0.0024
42	13.476	3525	401	PV	0.119	0.0324
43	13.641	884	111	VV	0.133	0.0081
44	13.819	229	71	VV	0.054	0.0021
45	13.882	116	43	VV	0.045	0.0011
46	14.553	4155	504	PV	0.125	0.0382
47	14.895	659	65	VV	0.133	0.0061

48	14.977	116	47	PV	0.040	0.0011

Total area = 1.08814E+007

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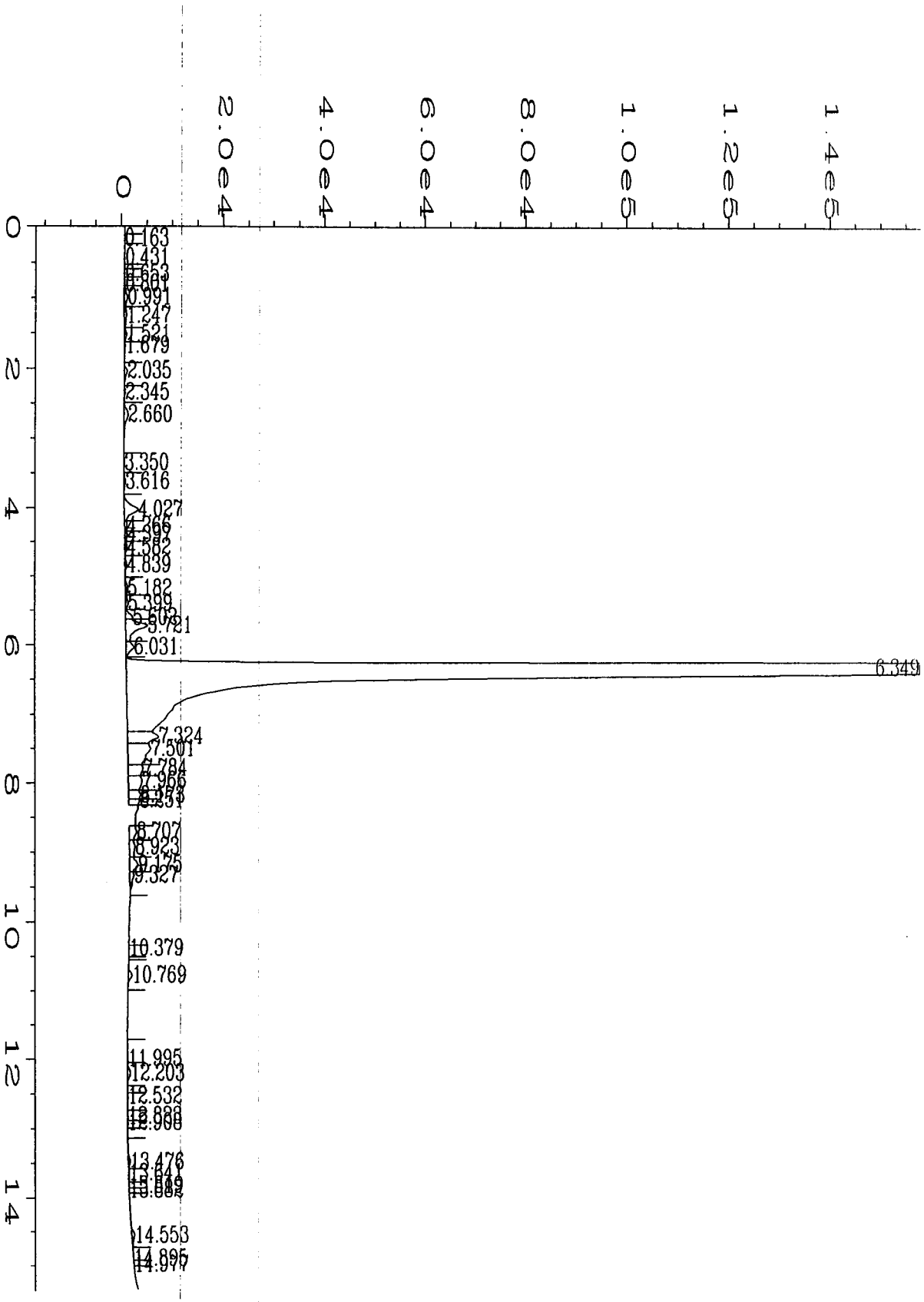

Data File Name : C:\HPCHEM\2\DATA\06-09-15\004R0101.D
Operator : TM
Instrument : GC2
Sample Name : 05-1276 mb
Run Time Bar Code:
Acquired on : 09 Jun 15 07:41 AM
Report Created on: 09 Jun 15 08:26 AM

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Last update on 10/17/14 ME

PID Data File Name : C:\HPCHEM\2\DATA\06-09-15\004R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\06-09-15\004F0101.D

Operator : TM Page Number : 1

Instrument : GC2 Vial Number : 4

Sample Name : 05-1276 mb Injection Number : 1

Acquired on : 9-Jun-15 7:41 AM

Report Created on: 09 Jun 15 08:26 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
94	FID	6.350	745222	7.95E+05
98	PID	6.349	1E+07	1.06E+07
Benzene		**Actual Time**	**Area**	**AL. FACTOR**
0.04 ppb	FID	2.008	746	1.92E+04
0.04 ppb	PID	2.035	5781	1.33E+05
Toluene				
0.28 ppb	FID	4.009	5153	1.81E+04
0.21 ppb	PID	4.027	25311	1.22E+05
Ethylbenzene				
0.00 ppb	FID	0.000	0	1.42E+04
0.08 ppb	PID	5.602	7152	8.62E+04
m,p-Xylenes				
0.38 ppb	FID	5.736	6132	1.63E+04
0.33 ppb	PID	5.721	39760	1.19E+05
o-Xylene				
0.07 ppb	FID	6.077	1231	1.71E+04
0.11 ppb	PID	6.031	11979	1.07E+05
MTBE				
1.28 ppb	FID	1.493	16531	1.29E+04
0.25 ppb	PID	1.521	4005	1.60E+04
Gasoline (NWTPHD-Gx) from benzene peak start to naphthalene peak end				
12.31 ppb	FID		83827	6.81E+03
16.50 ppb	PID		393000	2.38E+04
Gasoline (California, Alaska) from hexane peak start to decane peak start				
12.15 ppb	FID		82622	6.80E+03
8.60 ppb	PID		191910	2.23E+04

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\06-09-15\006F0101.D
Operator : TM
Instrument : GC2
Sample Name : 506185-04
Run Time Bar Code:
Acquired on : 09 Jun 15 09:21 AM
Report Created on: 09 Jun 15 09:37 AM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\06-09-15\006F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.217	765	150	BV	0.085	0.0869
2	0.389	684	110	PV	0.084	0.0777
3	0.510	64525	13493	VV	0.068	7.3330
4	0.881	6568	626	VV	0.148	0.7464
5	1.190	1293	257	VV	0.084	0.1469
6	1.280	1392	269	VV	0.086	0.1582
7	1.489	2429	251	VV	0.135	0.2760
8	1.680	1307	160	VV	0.117	0.1485
9	1.879	363	188	PV	0.032	0.0413
10	2.009	689	166	PV	0.058	0.0783
11	2.093	204	109	PV	0.031	0.0232
12	2.199	1156	169	VV	0.139	0.1314
13	2.405	854	88	VV	0.161	0.0970
14	2.681	1189	120	VV	0.166	0.1352
15	2.867	269	144	PB	0.041	0.0306
16	3.266	165	150	PV	0.018	0.0187
17	3.395	664	125	PV	0.089	0.0754
18	3.531	788	86	VV	0.152	0.0896
19	3.791	159	95	PV	0.028	0.0181
20	3.855	457	149	VV	0.051	0.0519
21	3.948	975	136	PV	0.120	0.1107
22	4.092	1450	154	VV	0.157	0.1648
23	4.357	548	162	VV	0.050	0.0623
24	4.476	325	151	VV	0.036	0.0369
25	4.533	430	169	VV	0.042	0.0488
26	4.622	256	97	VV	0.044	0.0291
27	4.681	1049	141	VV	0.124	0.1192
28	4.890	737	122	VV	0.100	0.0837
29	5.037	201	111	VV	0.030	0.0228
30	5.120	395	132	VV	0.045	0.0448
31	5.240	1040	118	VV	0.147	0.1182
32	5.452	913	152	VV	0.096	0.1038
33	5.596	649	200	VV	0.054	0.0737
34	5.724	1322	243	VV	0.078	0.1502
35	5.808	533	184	VV	0.048	0.0605
36	5.884	512	161	VV	0.053	0.0581
37	5.962	599	144	VV	0.069	0.0681
38	6.362	703725	113151	VV	0.094	79.9750
39	7.017	2728	660	VV	0.069	0.3101
40	7.078	7062	592	VV	0.170	0.8026
41	7.320	2115	423	VV	0.083	0.2404
42	7.510	6189	461	VV	0.224	0.7034
43	7.695	4855	326	VV	0.248	0.5518
44	7.961	3502	399	VV	0.122	0.3980
45	8.240	4060	359	VV	0.189	0.4614
46	8.403	1206	375	VV	0.054	0.1371
47	8.480	1200	283	VV	0.071	0.1364

Data File Name : C:\HPCHEM\2\DATA\06-09-15\006F0101.D
Operator : TM
Instrument : GC2
Sample Name : 506185-04
Run Time Bar Code:
Acquired on : 09 Jun 15 09:21 AM
Report Created on: 09 Jun 15 09:37 AM

Page Number : 2
Vial Number : 6
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	8.570	2084	406	VV	0.086	0.2368
49	8.809	2771	330	VV	0.120	0.3149
50	8.932	1743	300	VV	0.097	0.1981
51	9.044	2211	224	VV	0.165	0.2513
52	9.263	1325	256	VV	0.086	0.1506
53	9.358	3219	240	VV	0.223	0.3658
54	9.723	1739	257	VV	0.113	0.1977
55	9.916	912	153	VV	0.099	0.1036
56	10.070	1123	195	VV	0.088	0.1276
57	10.326	1812	201	VV	0.151	0.2060
58	10.452	1310	149	VV	0.147	0.1488
59	10.768	2246	197	VV	0.190	0.2553
60	10.958	323	175	VV	0.031	0.0367
61	11.038	367	96	PV	0.064	0.0417
62	11.124	2964	144	VV	0.343	0.3368
63	11.630	471	217	VV	0.036	0.0536
64	11.791	723	149	VV	0.099	0.0822
65	11.876	705	205	VV	0.057	0.0802
66	11.972	436	118	VV	0.062	0.0496
67	12.027	909	174	VV	0.087	0.1033
68	12.208	1611	176	VV	0.168	0.1830
69	12.640	1733	199	VV	0.140	0.1969
70	12.811	1680	178	VV	0.161	0.1910
71	13.068	379	141	PV	0.045	0.0431
72	13.124	669	127	VV	0.088	0.0761
73	13.218	332	143	VV	0.039	0.0377
74	13.309	503	153	VV	0.055	0.0571
75	13.366	3078	224	VV	0.229	0.3498
76	13.777	488	218	VV	0.037	0.0555
77	14.069	2338	161	PV	0.242	0.2657
78	14.249	1115	166	VV	0.112	0.1267
79	14.587	1620	203	VV	0.112	0.1841
80	14.693	494	168	VV	0.049	0.0562

Total area = 879930

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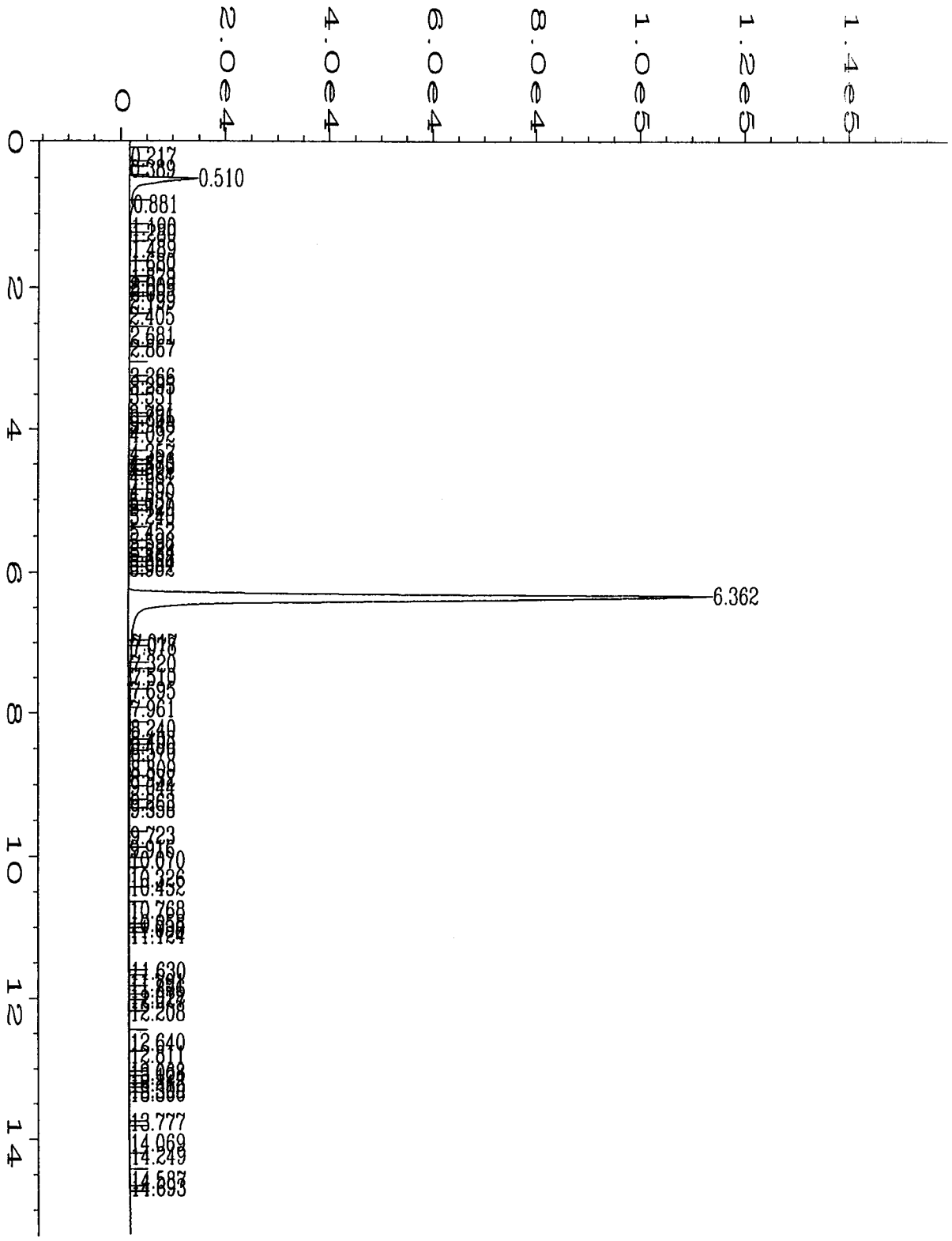

Data File Name : C:\HPCHEM\2\DATA\06-09-15\006F0101.D
Operator : TM
Instrument : GC2
Sample Name : 506185-04
Run Time Bar Code:
Acquired on : 09 Jun 15 09:21 AM
Report Created on: 09 Jun 15 09:37 AM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\06-09-15\006R0101.D
Operator : TM
Instrument : GC2
Sample Name : 506185-04
Run Time Bar Code:
Acquired on : 09 Jun 15 09:21 AM
Report Created on: 09 Jun 15 09:37 AM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\06-09-15\006R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.436	1059	165	PV	0.094	0.0099
2	0.899	15048	1033	PV	0.211	0.1402
3	1.274	4945	352	VV	0.187	0.0461
4	1.496	1327	115	VB	0.155	0.0124
5	2.016	1735	194	BV	0.124	0.0162
6	2.638	2659	298	PV	0.119	0.0248
7	2.769	346	115	VV	0.050	0.0032
8	3.363	1229	114	PV	0.164	0.0115
9	3.561	391	81	VV	0.081	0.0036
10	3.720	270	80	VV	0.054	0.0025
11	3.828	196	62	PV	0.055	0.0018
12	4.047	5425	569	VV	0.128	0.0505
13	4.209	1253	175	VV	0.119	0.0117
14	4.463	395	108	VV	0.054	0.0037
15	4.533	511	152	VV	0.049	0.0048
16	4.612	1074	158	VV	0.096	0.0100
17	4.825	980	171	VV	0.095	0.0091
18	4.895	1127	152	VV	0.124	0.0105
19	5.180	6233	584	VV	0.140	0.0581
20	5.450	1948	257	VV	0.102	0.0181
21	5.604	2927	546	VV	0.072	0.0273
22	5.739	11408	1153	VV	0.134	0.1063
23	6.042	2836	399	VV	0.106	0.0264
24	6.361	1.03251E+007	1608043	VV	0.098	96.2010
25	7.511	108108	4905	VV	0.284	1.0073
26	7.947	29351	2567	VV	0.191	0.2735
27	8.175	25626	2345	VV	0.148	0.2388
28	8.375	36608	1984	VV	0.235	0.3411
29	8.722	17876	1576	VV	0.171	0.1666
30	8.936	16162	1468	VV	0.183	0.1506
31	9.189	50248	2098	VV	0.307	0.4682
32	10.240	1871	472	VV	0.066	0.0174
33	10.295	3022	460	VV	0.109	0.0282
34	10.448	2007	405	VV	0.072	0.0187
35	10.520	1727	390	VV	0.074	0.0161
36	10.779	13421	1125	VV	0.162	0.1251
37	11.084	3075	237	VV	0.217	0.0286
38	12.066	1140	109	PV	0.174	0.0106
39	12.206	5487	635	VV	0.112	0.0511
40	12.583	734	87	PB	0.140	0.0068
41	13.125	632	96	BV	0.088	0.0059
42	13.214	275	124	VV	0.037	0.0026
43	13.267	364	127	VV	0.048	0.0034
44	13.471	3580	393	VV	0.132	0.0334
45	13.882	2074	114	VV	0.302	0.0193
46	14.032	148	41	VV	0.060	0.0014
47	14.174	284	64	PV	0.073	0.0026

48	14.550	13827	1095	PV	0.157	0.1288
49	14.783	1924	359	VV	0.078	0.0179
50	14.893	1172	272	VV	0.064	0.0109
51	15.031	921	122	VV	0.112	0.0086
52	15.110	476	111	VV	0.062	0.0044
53	15.184	280	90	VV	0.052	0.0026

Total area = 1.07328E+007

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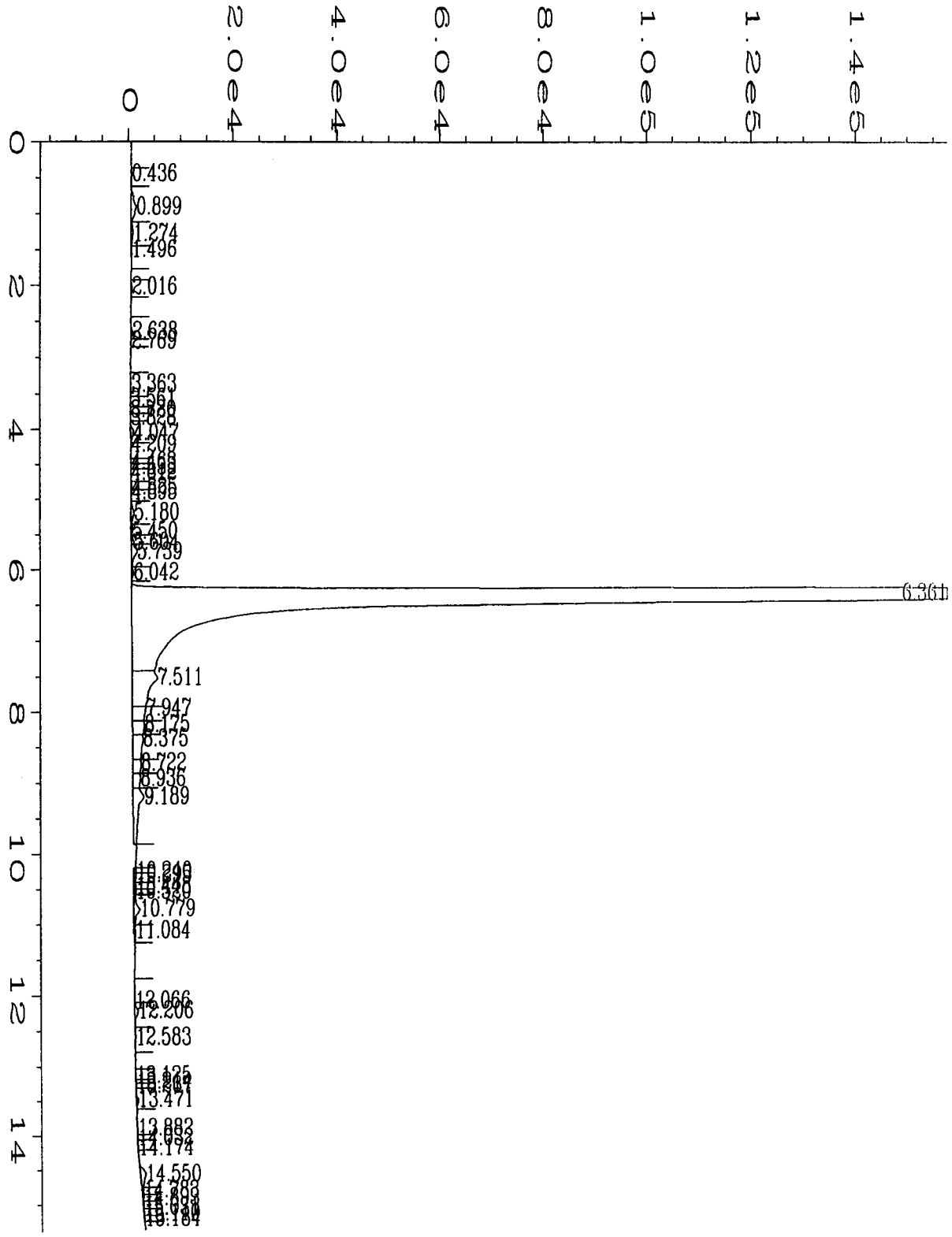

Data File Name : C:\HPCHEM\2\DATA\06-09-15\006R0101.D
Operator : TM
Instrument : GC2
Sample Name : 506185-04
Run Time Bar Code:
Acquired on : 09 Jun 15 09:21 AM
Report Created on: 09 Jun 15 09:37 AM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Last update on 10/17/14 ME

PID Data File Name : C:\HPCHEM\2\DATA\06-09-15\006R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\06-09-15\006F0101.D

Operator : TM Page Number : 1
Instrument : GC2 Vial Number : 6
Sample Name : 506185-04 Injection Number : 1
Acquired on : 9-Jun-15 9:21 AM
Report Created on: 09 Jun 15 09:37 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
89	FID	6.362	703725	7.95E+05
97	PID	6.361	1E+07	1.06E+07
Benzene		Actual Time	Area	AL. FACTOR
0.04 ppb	FID	2.093	689	1.92E+04
0.01 ppb	PID	2.016	1735	1.33E+05
Toluene				
0.08 ppb	FID	4.092	1450	1.81E+04
0.04 ppb	PID	4.047	5425	1.22E+05
Ethylbenzene				
0.05 ppb	FID	5.596	649	1.42E+04
0.03 ppb	PID	5.604	2927	8.62E+04
m,p-Xylenes				
0.08 ppb	FID	5.808	1322	1.63E+04
0.10 ppb	PID	5.739	11408	1.19E+05
o-Xylene				
0.03 ppb	FID	5.962	599	1.71E+04
0.03 ppb	PID	6.042	2836	1.07E+05
MTBE				
0.19 ppb	FID	1.489	2429	1.29E+04
0.08 ppb	PID	1.496	1327	1.60E+04
Gasoline (NWTPHD-Gx) from benzene peak start to naphthalene peak end				
9.51 ppb	FID		64798	6.81E+03
13.72 ppb	PID		326922	2.38E+04
Gasoline (California, Alaska) from hexane peak start to decane peak start				
5.08 ppb	FID		34532	6.80E+03
1.98 ppb	PID		44270	2.23E+04

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\06-09-15\011F0101.D
Operator : TM
Instrument : GC2
Sample Name : 506185-04 dup
Run Time Bar Code:
Acquired on : 09 Jun 15 11:05 AM
Report Created on: 09 Jun 15 11:21 AM
Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\06-09-15\011F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.134	115	103	BV	0.019	0.0120
2	0.270	445	90	PV	0.083	0.0464
3	0.518	67739	11786	PV	0.079	7.0631
4	0.811	6159	631	VV	0.163	0.6422
5	1.066	508	196	VV	0.043	0.0529
6	1.193	269	98	PV	0.044	0.0281
7	1.574	347	188	BV	0.031	0.0361
8	1.648	1032	184	PV	0.097	0.1076
9	1.906	362	180	VV	0.033	0.0377
10	2.070	1426	160	PV	0.145	0.1487
11	2.241	468	154	PV	0.051	0.0488
12	2.332	512	215	VV	0.040	0.0534
13	2.431	335	157	VV	0.036	0.0350
14	2.481	267	207	VV	0.021	0.0278
15	2.565	813	160	PV	0.085	0.0848
16	2.736	832	141	VV	0.098	0.0868
17	2.913	700	224	VV	0.054	0.0730
18	3.007	410	126	PV	0.054	0.0428
19	3.136	1688	129	PV	0.180	0.1760
20	3.443	360	147	VV	0.041	0.0375
21	3.502	292	120	VV	0.041	0.0305
22	3.649	1475	226	VV	0.132	0.1538
23	3.865	254	109	VV	0.039	0.0264
24	3.942	535	140	VV	0.056	0.0558
25	4.317	2843	213	VV	0.256	0.2965
26	4.536	1070	161	PV	0.111	0.1116
27	4.654	1793	171	VV	0.133	0.1870
28	4.935	647	156	VV	0.069	0.0674
29	4.997	656	116	VV	0.094	0.0684
30	5.112	253	114	VV	0.037	0.0264
31	5.159	669	165	VV	0.068	0.0698
32	5.308	828	207	VV	0.067	0.0863
33	5.455	1151	218	VV	0.088	0.1200
34	5.811	3269	241	VV	0.226	0.3408
35	5.945	812	186	VV	0.061	0.0847
36	6.042	329	135	VV	0.041	0.0343
37	6.400	764244	128072	VV	0.091	79.6866
38	7.050	5776	618	VV	0.156	0.6022
39	7.250	2950	521	VV	0.075	0.3076
40	7.361	1624	432	VV	0.057	0.1693
41	7.419	1904	465	VV	0.068	0.1985
42	7.491	1890	443	VV	0.071	0.1971
43	7.651	2854	453	VV	0.105	0.2976
44	7.747	3980	482	VV	0.138	0.4150
45	7.972	1275	380	VV	0.056	0.1329
46	8.035	2446	352	VV	0.098	0.2551
47	8.202	1185	299	VV	0.066	0.1235

Data File Name : C:\HPCHEM\2\DATA\06-09-15\011F0101.D
Operator : TM
Instrument : GC2
Sample Name : 506185-04 dup
Run Time Bar Code:
Acquired on : 09 Jun 15 11:05 AM
Report Created on: 09 Jun 15 11:21 AM

Page Number : 2
Vial Number : 11
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	8.307	2372	334	VV	0.101	0.2473
49	8.457	1459	339	VV	0.072	0.1522
50	8.571	1381	304	VV	0.076	0.1440
51	8.641	1382	271	VV	0.070	0.1441
52	8.735	1599	291	VV	0.092	0.1667
53	8.849	1214	282	VV	0.072	0.1266
54	8.984	2109	331	VV	0.106	0.2199
55	9.086	915	312	VV	0.049	0.0954
56	9.237	4025	337	VV	0.199	0.4197
57	9.431	2012	305	VV	0.110	0.2097
58	9.548	1084	306	VV	0.054	0.1131
59	9.667	4870	307	VV	0.211	0.5078
60	10.000	727	239	VV	0.051	0.0758
61	10.068	1072	253	VV	0.071	0.1117
62	10.162	625	222	VV	0.047	0.0652
63	10.240	1995	215	VV	0.155	0.2081
64	10.463	1230	221	VV	0.089	0.1282
65	10.679	3739	240	VV	0.260	0.3898
66	10.962	573	200	VV	0.048	0.0598
67	11.085	1333	191	VV	0.116	0.1390
68	11.162	686	248	VV	0.046	0.0715
69	11.241	862	199	VV	0.072	0.0899
70	11.371	679	177	VV	0.064	0.0708
71	11.503	1752	165	VV	0.167	0.1826
72	11.651	1037	207	VV	0.074	0.1081
73	11.760	340	181	VV	0.031	0.0355
74	11.809	343	163	VV	0.035	0.0358
75	11.883	503	218	VV	0.038	0.0524
76	11.937	664	223	VV	0.050	0.0692
77	12.014	2148	174	VV	0.206	0.2239
78	12.289	1425	188	VV	0.126	0.1486
79	12.491	383	167	VV	0.038	0.0399
80	12.613	896	199	VV	0.075	0.0934
81	12.665	1247	176	VV	0.118	0.1301
82	12.878	1073	206	VV	0.094	0.1119
83	13.016	1076	204	VV	0.088	0.1122
84	13.106	654	153	VV	0.071	0.0682
85	13.229	774	214	VV	0.060	0.0808
86	13.297	417	152	VV	0.046	0.0435
87	13.430	1577	220	VV	0.120	0.1644
88	13.526	2231	215	VV	0.173	0.2326
89	13.815	954	245	VV	0.065	0.0995
90	13.893	530	198	VV	0.045	0.0552
91	13.995	1424	243	VV	0.104	0.1485
92	14.264	3220	237	VV	0.226	0.3358
93	14.516	3044	254	PV	0.200	0.3174
94	15.005	1616	173	VV	0.156	0.1685

Total area = 959063

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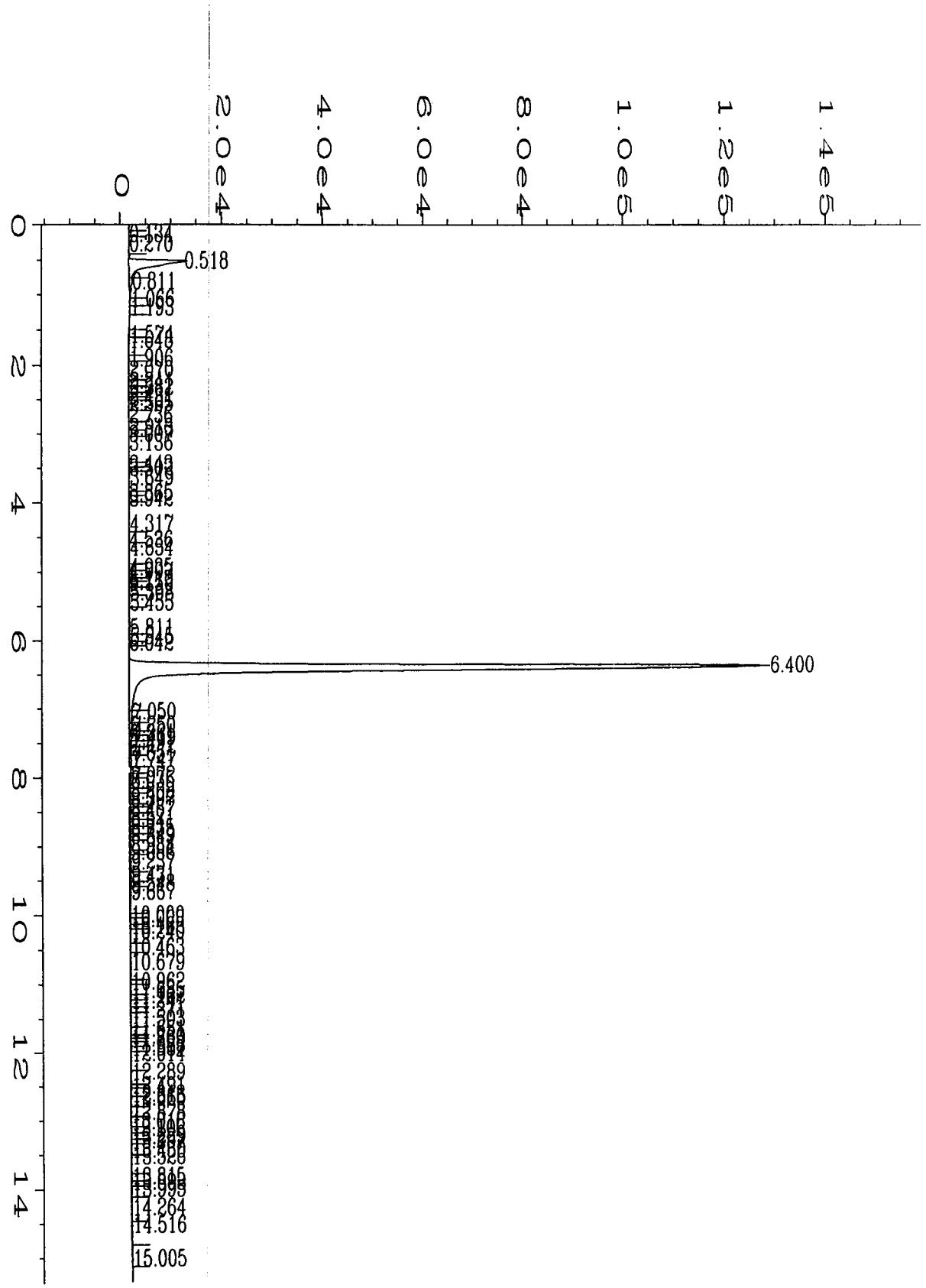

Data File Name	: C:\HPCHEM\2\DATA\06-09-15\011F0101.D		
Operator	: TM	Page Number	: 1
Instrument	: GC2	Vial Number	: 11
Sample Name	: 506185-04 dup	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 09 Jun 15 11:05 AM	Instrument Method	: GX.MTH
Report Created on:	09 Jun 15 11:21 AM	Analysis Method	: GX.MTH

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\06-09-15\011R0101.D
Operator : TM
Instrument : GC2
Sample Name : 506185-04 dup
Run Time Bar Code:
Acquired on : 09 Jun 15 11:05 AM
Report Created on: 09 Jun 15 11:21 AM

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Sig. 2 in C:\HPCHEM\2\DATA\06-09-15\011R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.122	313	82	BV	0.064	0.0028
2	0.443	1476	204	PV	0.100	0.0130
3	0.791	2225	310	VV	0.095	0.0195
4	1.039	2664	261	VV	0.131	0.0234
5	1.267	2229	211	VV	0.151	0.0196
6	1.422	1167	264	VV	0.064	0.0102
7	1.573	1692	275	VV	0.103	0.0148
8	1.641	755	227	VV	0.055	0.0066
9	1.744	2263	185	VV	0.172	0.0199
10	2.079	3266	304	VV	0.146	0.0287
11	2.229	1906	214	VV	0.148	0.0167
12	2.686	5156	335	VV	0.213	0.0452
13	3.017	697	118	PV	0.098	0.0061
14	3.132	898	106	VV	0.142	0.0079
15	3.359	681	124	VV	0.083	0.0060
16	3.448	581	131	VV	0.073	0.0051
17	3.559	494	88	VV	0.076	0.0043
18	4.093	5122	455	PV	0.161	0.0449
19	4.537	1144	128	PB	0.115	0.0100
20	5.085	274	100	PV	0.045	0.0024
21	5.234	4627	511	VV	0.126	0.0406
22	5.430	1118	163	VV	0.095	0.0098
23	5.777	10003	812	VV	0.163	0.0878
24	6.087	993	172	VV	0.087	0.0087
25	6.399	1.11539E+007	1808844	PV	0.094	97.8716
26	7.551	59931	4908	VV	0.165	0.5259
27	7.727	57814	3069	VV	0.314	0.5073
28	8.200	13044	1281	VV	0.170	0.1145
29	8.405	8280	977	VV	0.112	0.0727
30	8.965	3026	418	VV	0.107	0.0265
31	9.222	13293	1573	VV	0.125	0.1166
32	9.387	1049	244	VV	0.072	0.0092
33	10.244	270	93	PV	0.045	0.0024
34	10.303	408	114	VV	0.054	0.0036
35	10.804	8213	987	PV	0.108	0.0721
36	11.156	414	101	VV	0.069	0.0036
37	11.348	459	70	PV	0.091	0.0040
38	11.693	443	139	BB	0.053	0.0039
39	11.871	523	84	BV	0.104	0.0046
40	12.026	408	141	VV	0.048	0.0036
41	12.110	428	123	VV	0.058	0.0038
42	12.245	5771	686	VV	0.126	0.0506
43	12.595	1045	99	VV	0.176	0.0092
44	12.984	495	112	VV	0.072	0.0043
45	13.084	164	76	PV	0.036	0.0014
46	13.175	115	48	PV	0.046	0.0010
47	13.309	185	73	VV	0.042	0.0016

48	13.516	4143	481	PV	0.120	0.0363
49	13.811	840	79	VV	0.134	0.0074
50	13.965	454	118	PV	0.080	0.0040
51	14.110	117	55	PV	0.039	0.0010
52	14.607	5408	577	PV	0.132	0.0475
53	14.856	3107	195	VV	0.199	0.0273
54	15.010	394	140	VV	0.047	0.0035
55	15.139	582	92	VV	0.106	0.0051

Total area = 1.13965E+007

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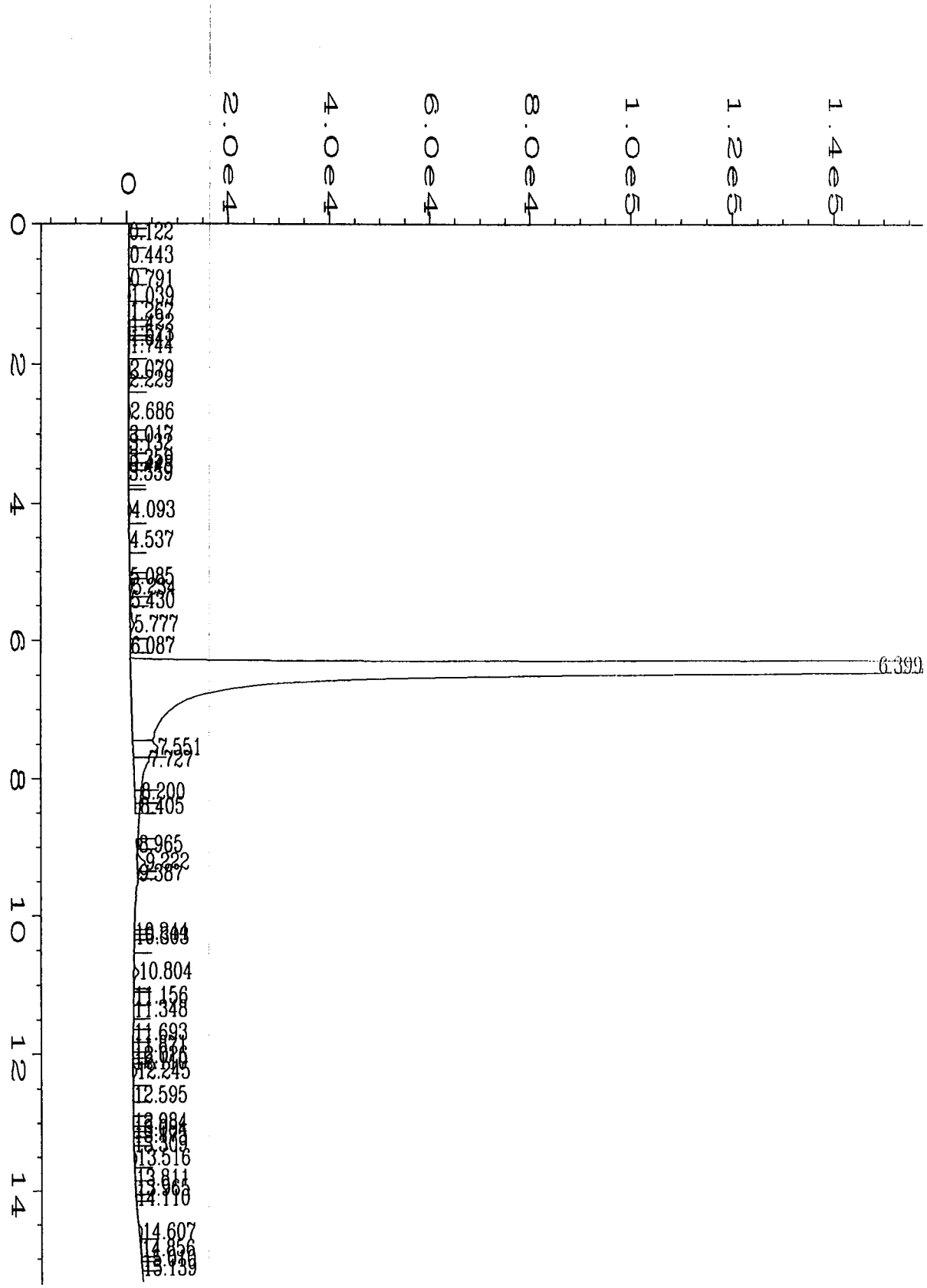

Data File Name : C:\HPCHEM\2\DATA\06-09-15\011R0101.D
Operator : TM
Instrument : GC2
Sample Name : 506185-04 dup
Run Time Bar Code:
Acquired on : 09 Jun 15 11:05 AM
Report Created on: 09 Jun 15 11:21 AM

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Last update on 10/17/14 ME

PID Data File Name : C:\HPCHEM\2\DATA\06-09-15\011R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\06-09-15\011F0101.D

Operator : TM Page Number : 1

Instrument : GC2 Vial Number : 11

Sample Name : 506185-04 dup Injection Number : 1

Acquired on : 9-Jun-15 11:05 AM

Report Created on: 09 Jun 15 11:21 AM Analysis Method : GX.MTH

Bromofluorobenzene		Actual Time	Area	Cal Factor
% Recovery				
96	FID	6.400	764244	7.95E+05
105	PID	6.399	1.1E+07	1.06E+07
Benzene		Actual Time	Area	AL. FACTOR
0.07 ppb	FID	2.070	1426	1.92E+04
0.02 ppb	PID	2.079	3266	1.33E+05
Toluene				
0.03 ppb	FID	3.942	535	1.81E+04
0.04 ppb	PID	4.093	5122	1.22E+05
Ethylbenzene				
0.00 ppb	FID	0.000	0	1.42E+04
0.00 ppb	PID	0.000	0	8.62E+04
m,p-Xylenes				
0.00 ppb	FID	0.000	0	1.63E+04
0.08 ppb	PID	5.777	10003	1.19E+05
o-Xylene				
0.05 ppb	FID	6.042	812	1.71E+04
0.01 ppb	PID	6.087	993	1.07E+05
MTBE				
0.00 ppb	FID	0.000	0	1.29E+04
0.07 ppb	PID	1.422	1167	1.60E+04
Gasoline (NWTPHD-Gx) from benzene peak start to naphthalene peak end				
11.01 ppb	FID		74993	6.81E+03
8.12 ppb	PID		193397	2.38E+04
Gasoline (California, Alaska) from hexane peak start to decane peak start				
5.97 ppb	FID		40572	6.80E+03
1.92 ppb	PID		42837	2.23E+04

NWTPH-Gx
Sample Data

F&B Project 506112

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\06-09-15\020F0101.D
Operator : TM
Instrument : GC2
Sample Name : 506112-01
Run Time Bar Code:
Acquired on : 09 Jun 15 02:14 PM
Report Created on: 09 Jun 15 02:30 PM

Page Number : 1
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Sig. 1 in C:\HPCHEM\2\DATA\06-09-15\020F0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.107	300	136	BV	0.037	0.0273
2	0.172	747	139	VV	0.074	0.0679
3	0.414	319	203	PV	0.026	0.0290
4	0.524	79729	11301	VV	0.097	7.2490
5	0.832	37725	3724	VV	0.138	3.4300
6	1.205	4092	515	VV	0.132	0.3721
7	1.483	64750	7958	VV	0.115	5.8871
8	1.745	3542	530	VV	0.111	0.3220
9	1.891	4547	379	VV	0.200	0.4134
10	2.700	678	266	VV	0.048	0.0616
11	2.758	657	149	VV	0.073	0.0597
12	2.876	611	238	VV	0.043	0.0555
13	2.935	1603	159	VV	0.168	0.1457
14	3.280	1049	171	PV	0.102	0.0954
15	3.406	487	129	VV	0.063	0.0443
16	3.480	602	176	VV	0.057	0.0547
17	3.575	829	163	VV	0.085	0.0754
18	3.701	638	164	VV	0.065	0.0580
19	3.803	451	146	PV	0.051	0.0410
20	3.904	448	134	VV	0.050	0.0407
21	4.126	6501	638	VV	0.133	0.5911
22	4.304	450	157	VV	0.048	0.0409
23	4.374	316	191	VV	0.028	0.0287
24	4.526	1198	207	VV	0.096	0.1090
25	4.607	761	225	VV	0.056	0.0692
26	4.668	731	234	VV	0.052	0.0665
27	4.781	997	212	VV	0.087	0.0906
28	4.943	1223	148	VV	0.138	0.1112
29	5.108	379	181	VV	0.035	0.0345
30	5.191	551	137	VV	0.058	0.0501
31	5.386	1056	166	VV	0.106	0.0960
32	5.517	1157	163	VV	0.118	0.1052
33	5.749	1435	244	VV	0.098	0.1305
34	5.799	1882	265	VV	0.118	0.1711
35	5.949	747	227	VV	0.055	0.0679
36	6.075	3688	468	VV	0.139	0.3353
37	6.434	782070	131820	VV	0.091	71.1059
38	7.053	4940	693	VV	0.119	0.4492
39	7.199	5720	528	VV	0.180	0.5200
40	7.414	1313	477	VV	0.046	0.1193
41	7.467	2098	464	VV	0.075	0.1908
42	7.574	3528	485	VV	0.107	0.3207
43	7.766	22353	2545	VV	0.122	2.0323
44	8.186	2387	353	VV	0.113	0.2170
45	8.368	2249	305	VV	0.113	0.2045
46	8.466	1089	310	VV	0.059	0.0990
47	8.585	1302	315	VV	0.070	0.1184

Data File Name : C:\HPCHEM\2\DATA\06-09-15\020F0101.D
Operator : TM
Instrument : GC2
Sample Name : 506112-01
Run Time Bar Code:
Acquired on : 09 Jun 15 02:14 PM
Report Created on: 09 Jun 15 02:30 PM

Page Number : 2
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

48	8.651	1993	309	VV	0.108	0.1812
49	8.878	2848	273	VV	0.144	0.2590
50	9.052	1839	317	VV	0.097	0.1672
51	9.147	607	254	VV	0.040	0.0551
52	9.205	821	258	VV	0.053	0.0746
53	9.287	1862	310	VV	0.085	0.1693
54	9.389	1153	231	VV	0.083	0.1048
55	9.601	2489	268	VV	0.155	0.2263
56	9.721	1136	229	VV	0.083	0.1032
57	9.826	716	270	VV	0.044	0.0651
58	9.888	995	198	VV	0.084	0.0904
59	10.041	871	213	VV	0.060	0.0792
60	10.109	477	178	VV	0.045	0.0434
61	10.175	1116	252	VV	0.074	0.1015
62	10.322	564	185	VV	0.051	0.0513
63	10.376	690	208	VV	0.055	0.0627
64	10.443	300	161	VV	0.031	0.0273
65	10.493	636	216	VV	0.049	0.0578
66	10.568	986	202	VV	0.081	0.0896
67	10.852	2463	255	VV	0.161	0.2239
68	11.000	1043	137	VV	0.127	0.0949
69	11.174	805	202	VV	0.067	0.0732
70	11.292	463	166	VV	0.047	0.0421
71	11.438	581	148	VV	0.065	0.0529
72	11.492	1053	178	VV	0.099	0.0957
73	11.801	1138	189	VV	0.100	0.1035
74	11.868	734	191	VV	0.064	0.0667
75	11.991	807	137	VV	0.099	0.0734
76	12.252	1708	212	VV	0.135	0.1553
77	12.549	303	182	VV	0.028	0.0275
78	12.594	409	134	VV	0.051	0.0372
79	12.708	622	186	VV	0.051	0.0566
80	12.836	367	157	PV	0.039	0.0333
81	12.895	203	101	PV	0.033	0.0185
82	13.013	623	187	VV	0.056	0.0566
83	13.078	290	162	PV	0.037	0.0264
84	13.128	267	106	VV	0.042	0.0243
85	13.301	775	151	VV	0.085	0.0705
86	13.365	373	150	VV	0.041	0.0340
87	13.428	261	131	PV	0.033	0.0238
88	13.525	1241	164	VV	0.126	0.1128
89	13.760	604	144	PB	0.070	0.0549
90	14.038	410	89	BV	0.087	0.0373
91	14.137	1195	119	PV	0.168	0.1087
92	14.520	1004	110	VV	0.151	0.0912
93	14.704	379	167	VV	0.038	0.0345
94	14.769	347	154	VV	0.044	0.0316
95	14.892	1058	124	PV	0.142	0.0962
96	15.134	316	71	PBA	0.062	0.0288

Total area = 1099865

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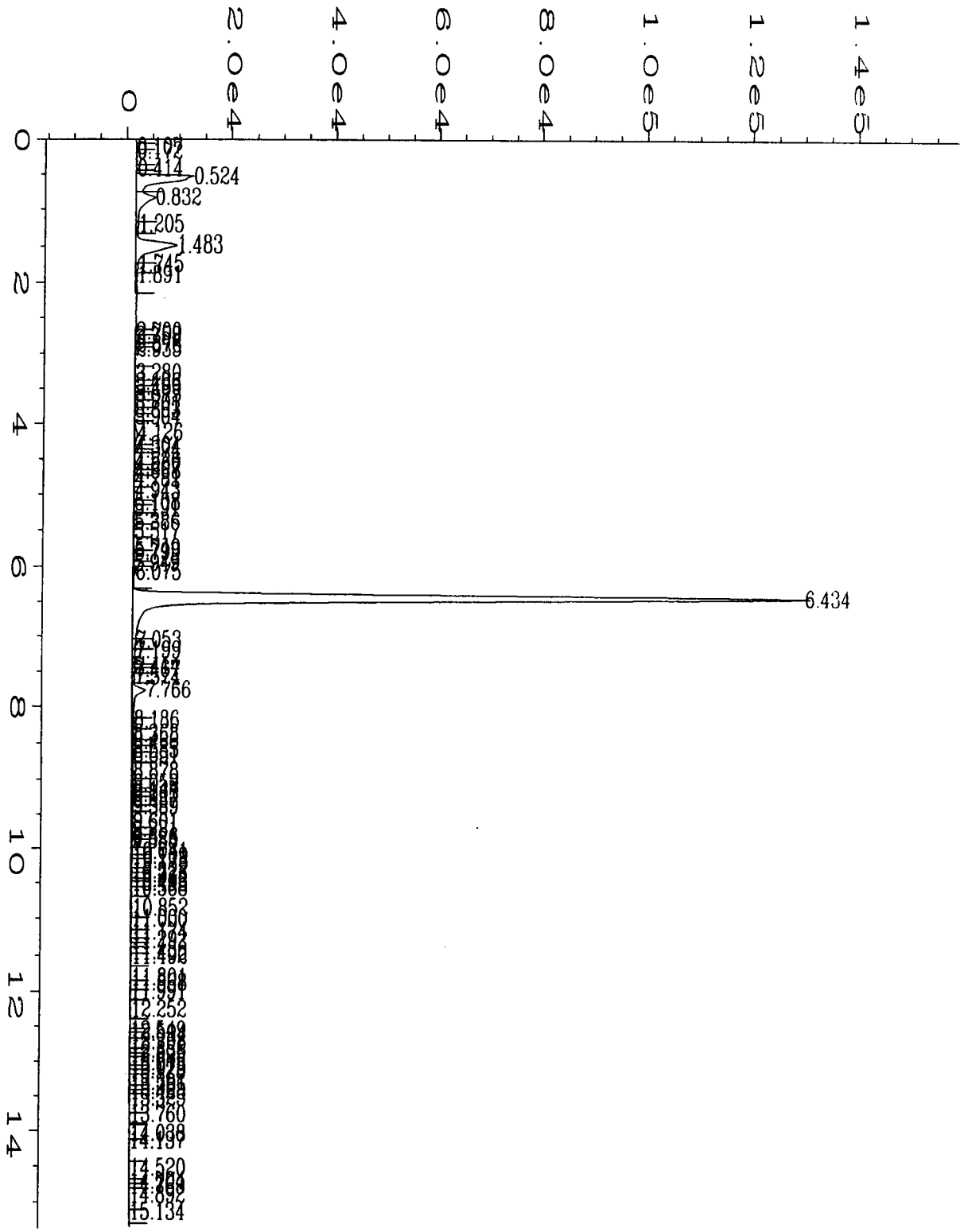


Data File Name : C:\HPCHEM\2\DATA\06-09-15\020F0101.D
Operator : TM
Instrument : GC2
Sample Name : 506112-01
Run Time Bar Code:
Acquired on : 09 Jun 15 02:14 PM
Report Created on: 09 Jun 15 02:30 PM

Page Number : 1
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : GX.MTH

Area Percent Report

Data File Name : C:\HPCHEM\2\DATA\06-09-15\020R0101.D
Operator : TM
Instrument : GC2
Sample Name : 506112-01
Run Time Bar Code:
Acquired on : 09 Jun 15 02:14 PM
Report Created on: 09 Jun 15 02:30 PM

Page Number : 1
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

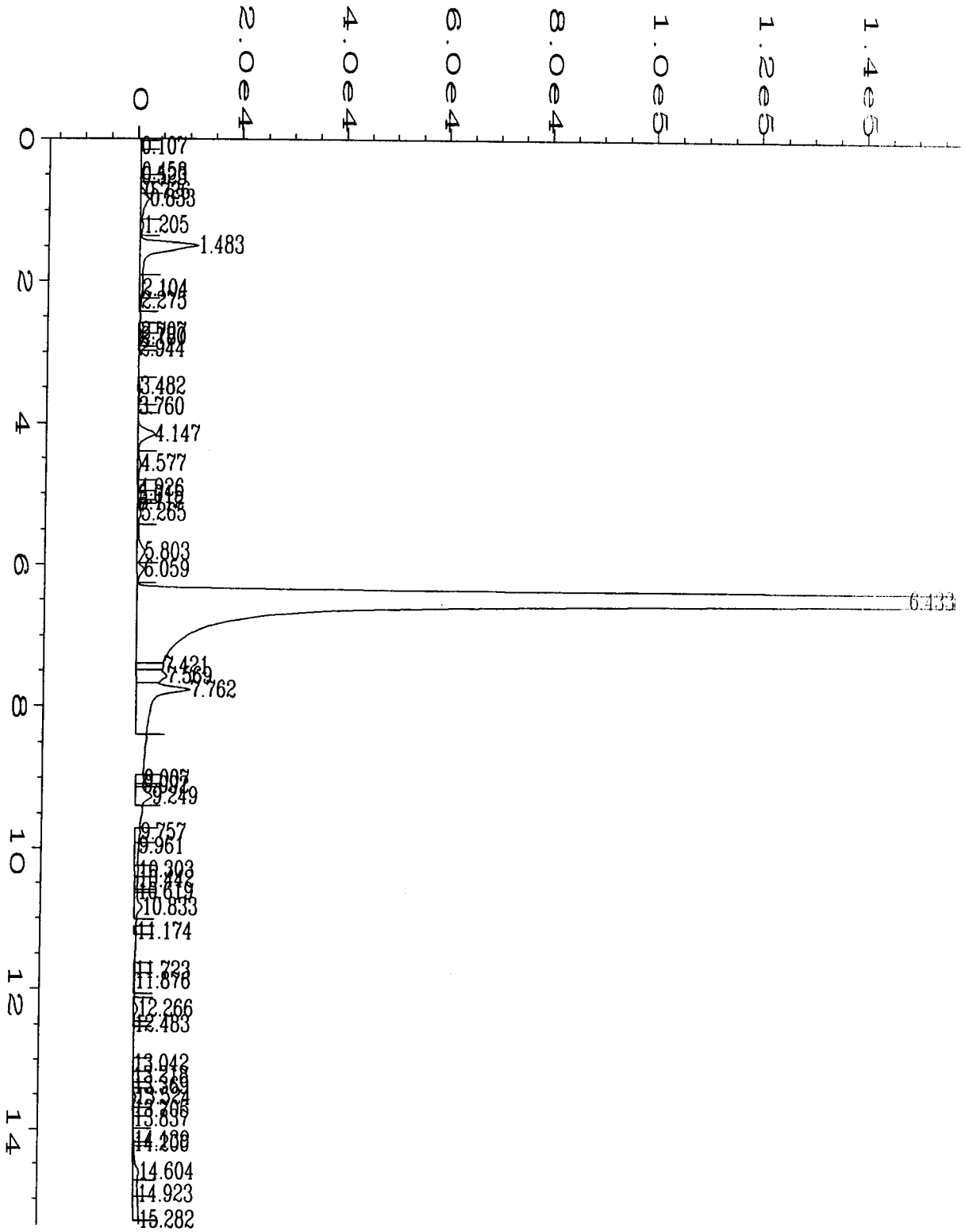
Sig. 2 in C:\HPCHEM\2\DATA\06-09-15\020R0101.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.107	285	65	BV	0.065	0.0023
2	0.458	960	176	VV	0.091	0.0078
3	0.523	587	131	VV	0.075	0.0048
4	0.726	3561	812	VV	0.067	0.0290
5	0.833	19086	1765	VV	0.147	0.1554
6	1.205	6004	591	VV	0.142	0.0489
7	1.483	97580	11268	VV	0.121	0.7943
8	2.104	10697	638	VV	0.206	0.0871
9	2.275	3420	424	VV	0.107	0.0278
10	2.707	2124	360	VV	0.086	0.0173
11	2.780	2700	328	VV	0.137	0.0220
12	2.944	491	164	VV	0.052	0.0040
13	3.482	4167	315	PV	0.175	0.0339
14	3.760	373	99.9	VV	0.062	0.0030
15	4.147	30511	3191	PV	0.144	0.2484
16	4.577	7981	568	VV	0.190	0.0650
17	4.926	1657	209	VV	0.132	0.0135
18	5.015	1130	181	VV	0.104	0.0092
19	5.112	533	199	VV	0.045	0.0043
20	5.265	7361	714	VV	0.136	0.0599
21	5.803	22044	1492	VV	0.198	0.1794
22	6.059	11935	1341	VV	0.125	0.0972
23	6.433	1.16172E+007	1886026	VV	0.094	94.5689
24	7.421	29497	5247	VV	0.075	0.2401
25	7.569	59534	5800	VV	0.147	0.4846
26	7.762	160015	10376	VV	0.201	1.3026
27	9.007	11478	1563	VV	0.109	0.0934
28	9.092	4093	1494	VV	0.046	0.0333
29	9.249	33785	3203	VV	0.148	0.2750
30	9.757	10914	1021	VV	0.139	0.0888
31	9.961	13511	783	VV	0.221	0.1100
32	10.303	6270	705	VV	0.121	0.0510
33	10.442	6291	689	VV	0.152	0.0512
34	10.619	1544	585	VV	0.044	0.0126
35	10.833	18269	1530	VV	0.164	0.1487
36	11.174	2728	436	VV	0.086	0.0222
37	11.723	2089	275	VV	0.109	0.0170
38	11.876	3303	233	VV	0.183	0.0269
39	12.266	7729	809	VV	0.143	0.0629
40	12.483	728	208	VV	0.058	0.0059
41	13.042	533	82	VV	0.114	0.0043
42	13.218	422	59	PV	0.094	0.0034
43	13.369	347	93	VV	0.062	0.0028
44	13.524	4623	546	VV	0.117	0.0376
45	13.705	1065	177	VV	0.100	0.0087
46	13.837	1146	138	VV	0.126	0.0093
47	14.139	1652	234	VV	0.121	0.0135

48	14.200	796	228	VV	0.051	0.0065
49	14.604	16920	1079	VV	0.202	0.1377
50	14.923	11626	903	VV	0.170	0.0946
51	15.282	21080	1086	VBA	0.323	0.1716

Total area = 1.22844E+007

==========



Data File Name : C:\HPCHEM\2\DATA\06-09-15\020R0101.D
Operator : TM
Instrument : GC2
Sample Name : 506112-01
Run Time Bar Code:
Acquired on : 09 Jun 15 02:14 PM
Report Created on: 09 Jun 15 02:30 PM

Page Number : 1
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: GX.MTH
Analysis Method : BTEX.MTH

Last update on 10/17/14 ME

PID Data File Name : C:\HPCHEM\2\DATA\06-09-15\020R0101.D

FID Data File Name : C:\HPCHEM\2\DATA\06-09-15\020F0101.D

Operator : TM Page Number : 1

Instrument : GC2 Vial Number : 20

Sample Name : 506112-01 Injection Number : 1

Acquired on : 9-Jun-15 2:14 PM

Report Created on: 09 Jun 15 02:30 PM Analysis Method : GX.MTH

		Actual Time	Area	Cal Factor
Bromofluorobenzene				
% Recovery				
98	FID	6.434	782070	7.95E+05
109	PID	6.433	1.2E+07	1.06E+07
Benzene		Actual Time	Area	AL. FACTOR
0.00 ppb	FID	0.000	0	1.92E+04
0.08 ppb	PID	2.104	10697	1.33E+05
Toluene				
0.00 ppb	FID	0.000	0	1.81E+04
0.00 ppb	PID	0.000	0	1.22E+05
Ethylbenzene				
0.08 ppb	FID	5.517	1157	1.42E+04
0.00 ppb	PID	0.000	0	8.62E+04
m,p-Xylenes				
0.12 ppb	FID	5.799	1882	1.63E+04
0.19 ppb	PID	5.803	22044	1.19E+05
o-Xylene				
0.22 ppb	FID	6.075	3688	1.71E+04
0.11 ppb	PID	6.059	11935	1.07E+05
MTBE				
5.03 ppb	FID	1.483	64750	1.29E+04
6.09 ppb	PID	1.483	97580	1.60E+04
Gasoline (NWTPHD-Gx) from benzene peak start to naphthalene peak end				
13.46 ppb	FID		91716	6.81E+03
17.02 ppb	PID		405526	2.38E+04
Gasoline (California, Alaska) from hexane peak start to decane peak start				
17.36 ppb	FID		118035	6.80E+03
10.50 ppb	PID		234201	2.23E+04

NWTPH-Dx
Laboratory Worksheets

F&B Project 506112

TPH AS DIESEL/MOTOR OIL EXTRACTION WORKSHEET (WATER)

Project #: 50612
Client: Ecology & Environment
QC Batch ID: 05-1070
Samples checked against COC: HN

Date Received: 6/4/15
Date Extracted: 6/8/15
Date Analyzed:
GC ☐1 ☐4 ☒6, Seq. Date

Analysis Method:
- ☒ NWTPH-Dx
- ☐ 8015M
- ☐ AK102 [LCS/LCSD]
- ☐ AK103 [LCS/LCSD]
- ☐ Other

Calculation Range/Requested Analyte(s):
- ☒ C_{10} to C_{36} (Diesel Ext.)
- ☐ C_{10} to C_{36} (Diesel/Motor Oil)
- ☐ Other
- ☐ C_{10} to C_{25} (Diesel)
- ☐ C_{25} to C_{36} (Motor Oil)
- ☐ C_8 to C_{11} (Stoddard Solvent)

RUSH
- ☐ ve's not Acceptable
- ☐ Dilutions Only Not Acceptable
- ☐ Need EDF

Due Date: Tues 6/9

Clean Up:
- ☐ Silica Gel
- ☐ Filtration
- ☐ Other
- ☐ Only if Detect
- ☐ With and Without

Reporting Units:
- ☒ µg/L (ppb)
- ☐ Other

Extraction Method
- ☒ 3510
- ☐ Other

Sample ID	pH	Sample Volume (mL)	Extraction Solvent Volume	Final Volume	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up Silica	Clean Up Filter	Observations
02 D	<2	1,000	3 x 60 ml	2.5 ml or 5 ml					2015 JUN 8 PM 2:51
03 J		1,000							
	HN			6/8					
Initials									

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	Methylene chloride	145-47	HN	6/8/15
Other							
Surrogate(s)		25 µl	1,000	Pentacosane/o-terphenyl	45-50		
		50 µl	1,000	Pentacosane/o-terphenyl			
		25 µl	1,000	Triacontane/Pentacosane/o-terphenyl			
		50 µl	1,000	Triacontane/Pentacosane/o-terphenyl			
Acid (HCl)							

Project Leader Initials:

NOTES: Need c-grams

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 6/8 Technician: HL

QA Batch: **O5-01070**

2015 JUN 8 PM 2 50

Matrix
- ☐ Soil
- ☒ Water
- ☐ Product
- ☐ Wipe
- ☐ Other_____

Solvent
- ☒ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☐ Other_____

Solvent Lot # 195-11

Analysis
- ☐ Diesel
- ☐ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☐ 8270
- ☐ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other_____

Clean Up: ☐ FlorsiL (FL) ☐ Cupper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other_____

Sample ID	pH Waters only	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up (Circle) Silica	FL Filter	Cu H_2SO_4	Observations
MB	<2	1,000	3X60	5			✓			
LCS	1	1	1	1			✓			
LCSD	1	1	1	1			✓			
	HL			6/8						
Initials										

Samples in Batch

506097-01	506112-02	1 03	506167-17	506143-14
1 02	1 03	506169-01	506179-02	
1 03	506113-01	1 02	1 03	
1 04	1 02	1 03	506122-09	

Date/Initials

Matrix Spikes:
_____ µL of _____ ppm of _____ Lot #_____ _____
Amount Concentration Analytes and Solvent

Matrix Spikes:
75 µL of 100,000 ppm of WADF #2 Lot # 45-121 6/8/15 HL
Amount Concentration Analytes and Solvent

Surrogates:
25 µL of 1,000 ppm of Pentachlorophenol/OTEPP Lot # 45-50 /
Amount Concentration Analytes and Solvent

Internal Standards:
_____ µL of _____ ppm of _____ Lot #_____ _____
Amount Concentration Analytes and Solvent

Notes: _____

Weighca	ter-	Form	Time\	W or		Water			50	250	250	250	50	50	50	250		
Gel	ed			S		Soil		(Change limits for -->	50	50	250	250	50	50	50	500		
								low level soils)										
% Silica	Filte	Rpt		Typ	Samp	Final	Dil	Sample	Diesel	Diesel Ext	Motor Oil	Heavy Oil/Cr	C12-24	Stoddard	Kerosene	C24-38	Surrogate	Vial #
Solid					Vol	Volume		Name	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Terphenyl	
																	Recovery	
1.00		1	06-08-15 16:14	W	1000	5		05-1070 mb	<50	<250	<250	<250	<50	<50	<50	<250	91	28
1.00			06-08-15 16:23	W	1000	5		05-1070 lcs	2497	2451	<250	1345	2117	1471	3956	<250	97	29
1.00			06-08-15 16:34	W	1000	5		05-1070 lcsd	2463	2418	<250	1333	2099	1448	3903	<250	97	30
1.00		2	06-08-15 16:45	W	1000	5		506097-01	<50	<250	<250	<250	<50	<50	<50	<250	93	31
1.00		2	06-08-15 16:56	W	1000	5		506097-02	<50	<250	<250	<250	<50	<50	<50	<250	99	32
1.00		2	06-08-15 17:07	W	1000	5		506097-03	<50	<250	<250	<250	<50	<50	<50	<250	103	33
1.00		2	06-08-15 17:18	W	1000	5		506097-04	21988	21682	371	8534	13434	28213	53261	<250	68	34
1.00		2	06-08-15 17:29	W	1000	5		506112-02	<50	<250	<250	<250	<50	<50	<50	<250	99	35
1.00		2	06-08-15 17:40	W	1000	5		506112-03	1584	1617	<250	604	951	5418	8828	<250	89	36
1.00		2	06-08-15 17:51	W	920	5		506113-01	<54.3478	<271.7391	<271.739	<271.7391	<54.3478	<54.3478	<54.3478	<271.739	93	37
1.00		2	06-08-15 18:02	W	1000	5		506113-02	<50	<250	<250	<250	<50	<50	<50	<250	82	38
1.00		2	06-08-15 18:13	W	960	5		506113-03	<52.0833	<260.4166	<260.416	<260.4166	<52.0833	<52.0833	<52.0833	<260.416	99	39
1.00			06-08-15 18:24		1	1.0		1000 MO 44-151B	215	814	946	948	1492	1	323	-12	88	4
1.00			06-08-15 18:35		1	1.0		1000 Dx 44-172C	982	970	18	523	824	596	1566	-12	98	5
1.00		2	06-08-15 18:46	W	1000	5.0		506169-01	551	542	<250	<250	<50	1076	1641	<250	100	40
1.00		2	06-08-15 18:57	W	1000	5.0		506169-02	<50	<250	<250	<250	<50	<50	<50	<250	78	41
1.00		2	06-08-15 19:08	W	1000	5.0		506169-03	<50	<250	<250	<250	<50	<50	<50	<250	95	42
1.00		2	06-08-15 19:20	W	1000	5.0		506179-02	<50	<250	<250	<250	<50	<50	<50	<250	95	43
1.00		2	06-08-15 19:31	W	1000	5.0		506179-03	948	928	<250	<250	<50	3623	5464	<250	97	44
1.00		9	06-08-15 19:42	W	825	2.5		506143-14	83	<151.5151	<151.515	<151.5151	207	<30.3030	125	<151.515	97	45
1.00		11	06-08-15 19:53	W	255	2.5		506167-17	<98.0392	<490.1960	<490.196	<490.1960	<98.0392	<98.0392	<98.0392	<490.196	101	46
1.00			06-08-15 20:04		1	1.0		500 MO 44-50D	112	412	475	480	756	0	167	-12	100	92
1.00			06-08-15 20:16		1	1.0		500 Dx 44-94C	473	466	7	248	390	291	757	-11	91	93
1.00			06-08-15 20:27		1	1.0		HCIDw 35-175	69	228	251	254	400	51	165	-25	257	98
1.00			06-08-15 20:38		1	1.0		HCIDw 35-174	100	98	1	49	77	66	162	-11	99	99

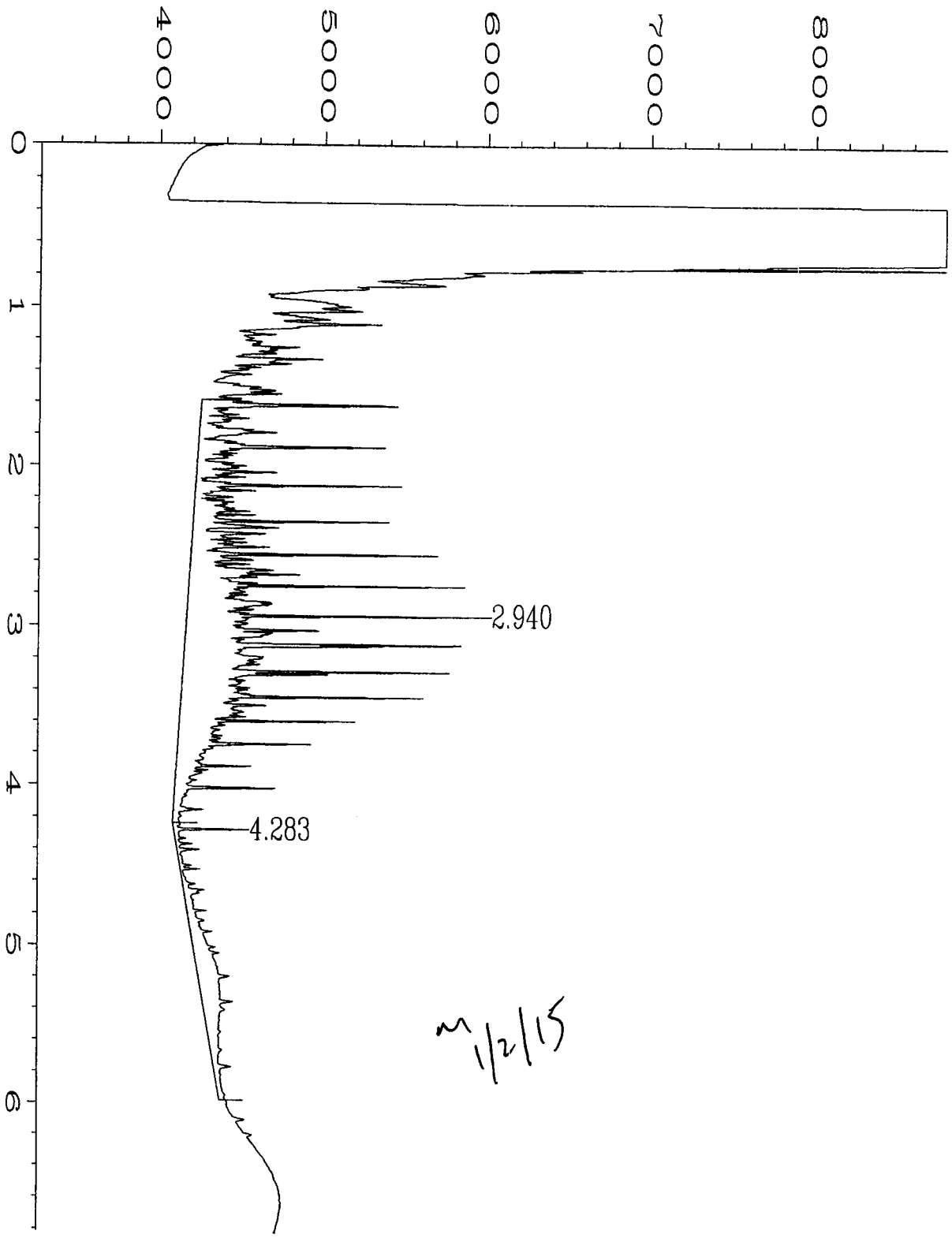
Calculated by:
Analyzed on: 6/9/15

Reviewed by: MG 6/9/15

NWTPH-Dx
Initial Calibrations

F&B Project 506112

GC - 6										
Seq. Date	12/31/14				ICDSL.XLS					
Sample ID	5ppm dx	10ppm	50ppm	100ppm	500ppm	1000ppm	5000ppm	10kppm dx 44-94		
Conc.	5	10	50	100	500	1000	5000	10000		
Tricontane	0	0	0	0	0	0	0.00E+00	0		
Pentacosan	202	0	278	495	2768	5641	1.91E+04	38755		
Terphenyl	118	0	936	1350	0	14945	5.11E+03	7.72E+05		
Diesel C10	44087	97079	483101	989748	5329982	10718075	4.85E+07	1.02E+08		
Diesel Ex	51287	97079	490789	991580	5376834	10824324	4.90E+07	1.03E+08		
Motor Oil	2572	0	7688	1832	46852	106249	4.81E+05	1.02E+06		
Heavy Oil	12142	43280	235740	475348	2651089	5323849	2.43E+07	50368744		
JP4	4525	4836	3852	3415	4398	-10461	########	########		
Stoddard	19950	85967	306455	597377	3040828	6111632	2.74E+07	5.78E+07		
Kerosene	29520	129247	534507	1070893	5645065	11329232	5.12E+07	1.07E+08		
Bunker C	-202	0	-278	-495	-2768	-5641	########	-38755		
RESPONSE FACTORS									Average	$RS
Tricontane	0	0	0	0	0	0	0	0	0.00E+00	###
Pentacosan	40	0	6	5	6	6	4	4	8.72E+00	###
Terphenyl	24	0	19	14	0	15	1	77	1.86E+01	###
Diesel C10	8817	9708	9662	9897	10660	10718	9709	10162	9.92E+03	6%
Diesel Ex	10257	9708	9816	9916	10754	10824	9805	10264	1.02E+04	4%
Motor Oil	514	0	154	18	94	106	96	102	1.36E+02	###
Heavy Oil	2428	4328	4715	4753	5302	5324	4851	5037	4.59E+03	20%
JP4	905	484	77	34	9	-10	0	-77	1.78E+02	###
Stoddard	3990	8597	6129	5974	6082	6112	5487	5780	6.02E+03	21%
Kerosene	5904	12925	10690	10709	11290	11329	10242	10715	1.05E+04	19%
Bunker C	-40	0	-6	-5	-6	-6	-4	-4	-8.72E+00	###
Analyte	5	10	50	100	500	1000	5000	10000		
Tricontane	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
Pentacosan	-363	100	36	43	37	35	56	56		
Terphenyl	-27	100	-1	28	100	20	95	-315		
Diesel C10	11	2	3	0	-7	-8	2	-2		
Diesel Ex	-1	5	3	2	-6	-6	4	-1		
Motor Oil	-279	100	-13	86	31	22	29	25		
Heavy Oil	47	6	-3	-4	-15	-16	-6	-10		
JP4	-409	-172	57	81	95	106	100	143		
Stoddard	34	-43	-2	1	-1	-2	9	4		
Kerosene	44	-23	-2	-2	-8	-8	2	-2		
Bunker C	-363	100	36	43	37	35	56	56		
Calculated by:		1/2/15		Reviewed by						
	Initials	Date/Time				Initials	Date/Time			
Update circled values				Excel TPHD sheet Updated						
	Initials	Date/Time								



1/2/15

Data File Name : C:\HPCHEM\6\DATA\12-31-14\011F0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 5ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 01:23 PM
Report Created on: 02 Jan 15 09:56 AM

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : DX1.MTH

Area Percent Report

Data File Name : C:\HPCHEM\6\DATA\12-31-14\011F0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 5ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 01:23 PM
Report Created on: 02 Jan 15 09:56 AM

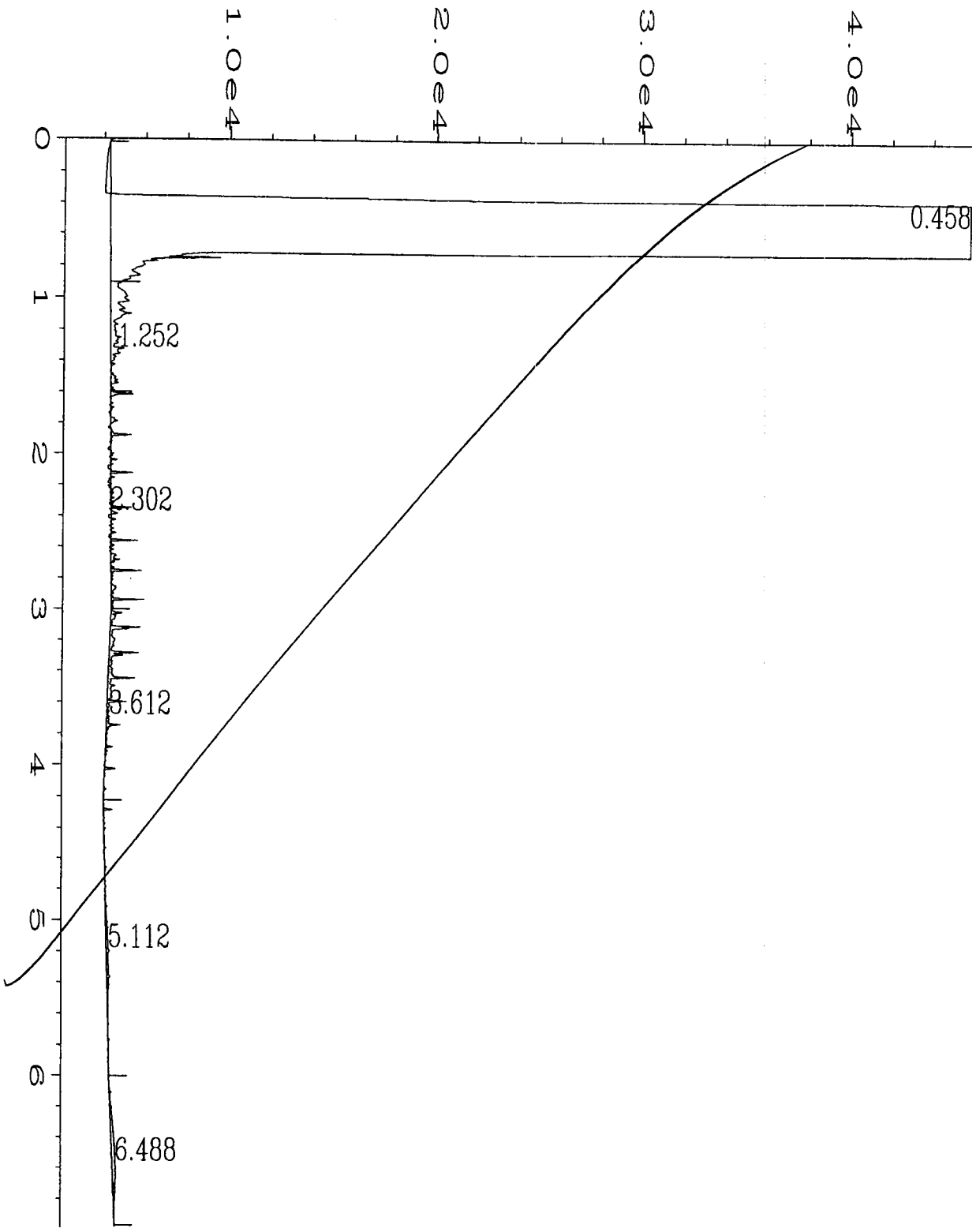
Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : DX1.MTH

Sig. 1 in C:\HPCHEM\6\DATA\12-31-14\011F0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.940	44087	1930	MM	0.381	85.9626
2	4.283	7199	472	MM	0.254	14.0374

Total area = 51287

User Modified m 1/2/15



Data File Name	: C:\HPCHEM\6\DATA\12-31-14\011F0401.D		
Operator	: mwdl	Page Number	: 1
Instrument	: GC #6	Vial Number	: 11
Sample Name	: 5ppm dx 44-94	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 4
Acquired on	: 31 Dec 14 01:23 PM	Instrument Method	: DX1.MTH
Report Created on	: 02 Jan 15 10:06 AM	Analysis Method	: DX1.MTH

Area Percent Report

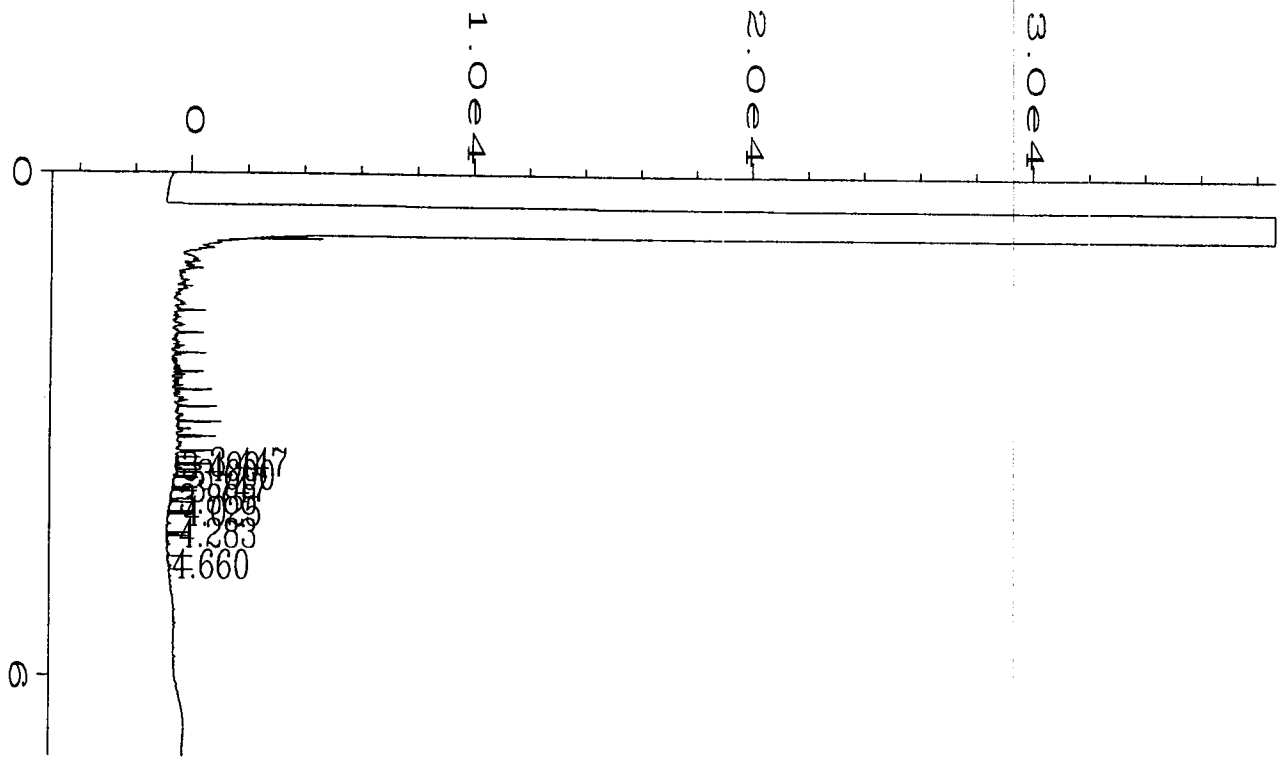
Data File Name : C:\HPCHEM\6\DATA\12-31-14\011F0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 5ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 01:23 PM
Report Created on: 02 Jan 15 10:06 AM

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : DX1.MTH

Sig. 1 in C:\HPCHEM\6\DATA\12-31-14\011F0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.458	1.33682E+009	1.07443E+008	BVA	0.207	99.9972
2	1.252	13646	1008	VV +	0.000	0.0010
3	2.302	6304	1627	VB +	0.000	0.0005
4	3.612	9688	1559	BB +	0.000	0.0007
5	5.112	2774	277	BV +	0.000	0.0002
6	6.488	4643	183	PB +	0.000	0.0003

Total area = 1.33686E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\6\DATA\12-31-14\011R0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 5ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 01:23 PM
Report Created on: 02 Jan 15 10:07 AM

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\6\DATA\12-31-14\011R0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.447	798	1238	BB	0.011	31.4879
2	3.499	118	238	BB	0.012	4.6680
3	3.600	414	845	BB	0.008	16.3365
4	3.747	346	631	BB	0.012	13.6707
5	3.888	166	350	BB	0.008	6.5556
6	4.025	309	578	BB	0.009	12.1973
7	4.283	202	445	BB	0.008	7.9734
8	4.660	180	102	BB	0.032	7.1106

Total area = 2534

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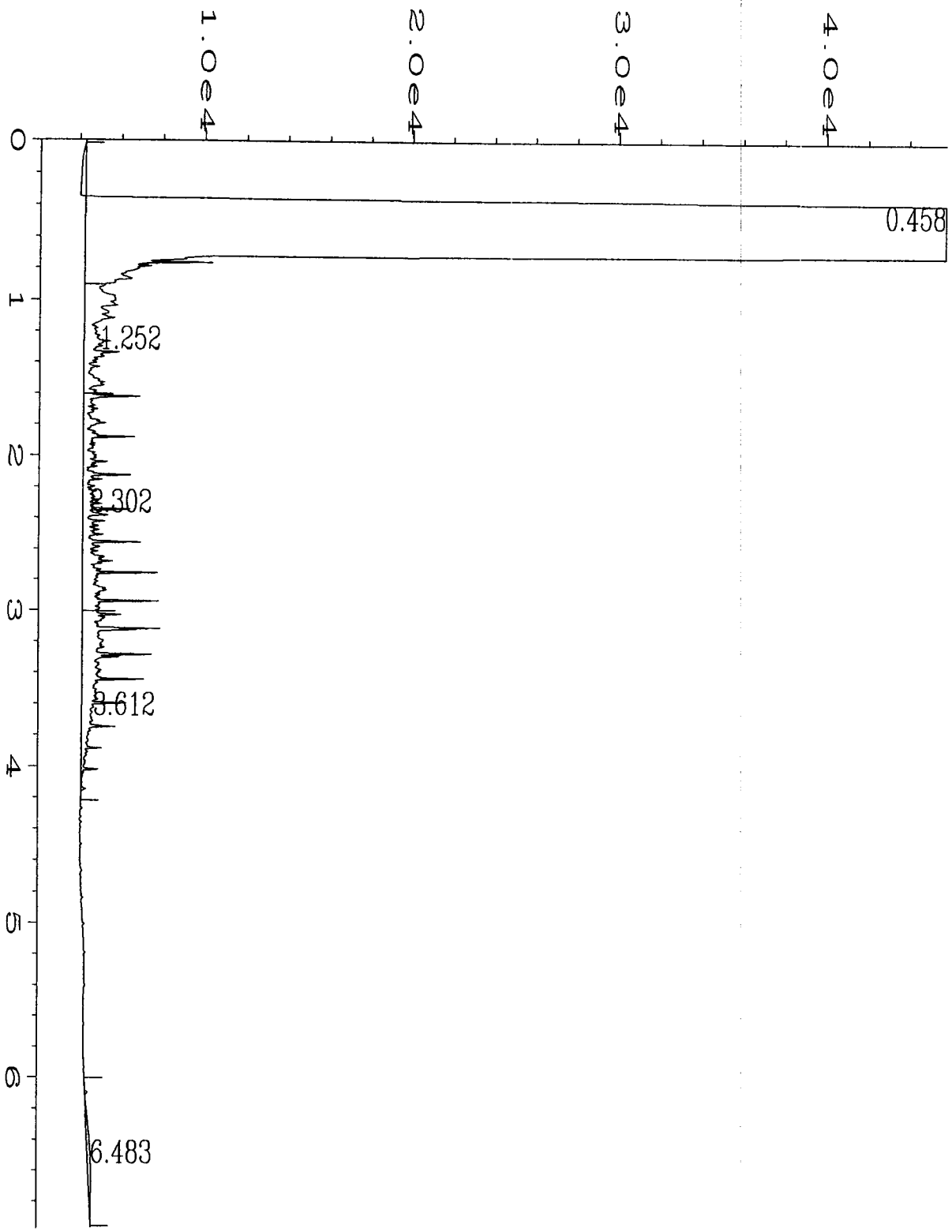
Last modified 1/2/15 mwdl			TPHDSL.XLS			
Data File Name : C:\HPCHEM\6\DATA\12-31-14\011F0401.D						
Operator : mwdl				Page Number : 1		
Instrument : GC #6				Vial Number : 11		
Sample Name : 5ppm dx 44-94				Injection Number : 1		
Run Time Bar Code:				Sequence Line : 4		
Acquired on	42004	0.5576389				
Report Created on: 02 Jan 15 10:06 AM				Analysis Method : DX1.MTH		
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**		
Triacontane						Calibrated
0	>5.50	<5.55	0	1.00E+05		2/1/11
Pentacosane						
0	>4.22	<4.31	202	1.09E+05		12/31/14
o-Terphenyl						
0	>3.46	<3.54	118	1.24E+05		12/31/14
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25			44087			
4.4 2	>1.6	<4.22	1.59E+04	9.92E+03		12/31/14
NWTPH-DX, start C10 - end C36			51287			
5.0 2	>1.6	<6.0	18446	1.02E+04	M 1/2/15	12/31/14
Motor Oil, start C25 - end C36						
0	>4.22	<6.0	2572	6.49E+03		12/31/14
Heavy Oil, start C17 - end C36						
1	>3.0	<6.0	12142	8.73E+03		12/31/14
C12-C24						
0	>5.7	<10.45	4525	9.42E+03		9/25/06
Stoddard, start C8 - end C11						
3	>0.9	<3.0	19950	6.96E+03		1/8/13
Kerosene, start C8 - end C20						
4	>0.9	<4.22	29520	6.65E+03		1/10/13
C24-C38						
0	>10.45	<19.8	-202	9.42E+03		1/27/11



Data File Name : C:\HPCHEM\6\DATA\12-31-14\012F0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 10ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 01:33 PM
Report Created on: 02 Jan 15 10:07 AM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : DX1.MTH

Area Percent Report

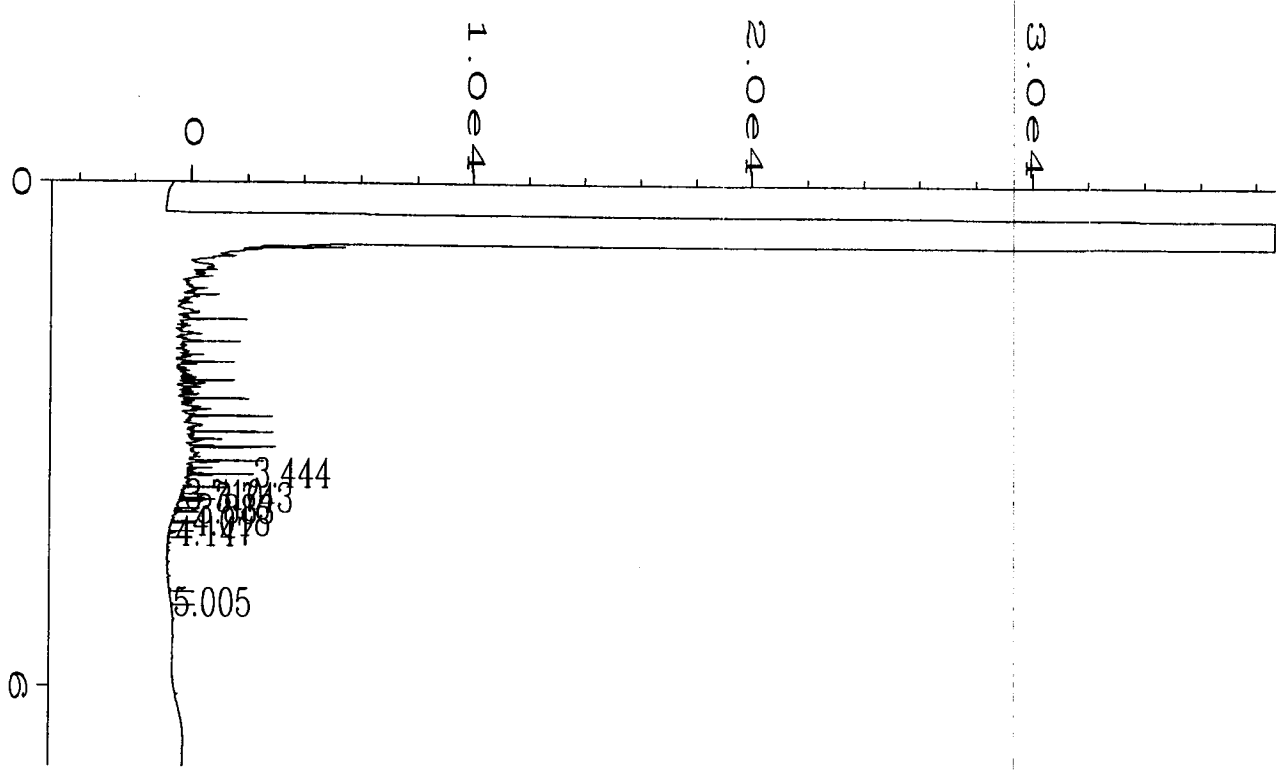
Data File Name : C:\HPCHEM\6\DATA\12-31-14\012F0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 10ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 01:33 PM
Report Created on: 02 Jan 15 10:07 AM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : DX1.MTH

Sig. 1 in C:\HPCHEM\6\DATA\12-31-14\012F0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.458	1.35584E+009	1.03002E+008	BVA	0.219	99.9901
2	1.252	32168	1680	VVA	0.319	0.0024
3	2.302	53799	3643	VVA	0.246	0.0040
4	3.612	43280	3745	VB +	0.000	0.0032
5	6.483	4836	185	PB +	0.000	0.0004

Total area = 1.35597E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\6\DATA\12-31-14\012R0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 10ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 01:33 PM
Report Created on: 02 Jan 15 10:07 AM

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\6\DATA\12-31-14\012R0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.444	1577	2439	BB	0.011	44.4972
2	3.710	183	171	BB	0.018	5.1736
3	3.743	644	1300	BB	0.008	18.1754
4	3.883	398	795	BB	0.008	11.2151
5	4.018	391	776	BB	0.008	11.0219
6	4.147	234	241	BB	0.015	6.5888
7	5.005	118	87	BB	0.023	3.3279

Total area = 3545

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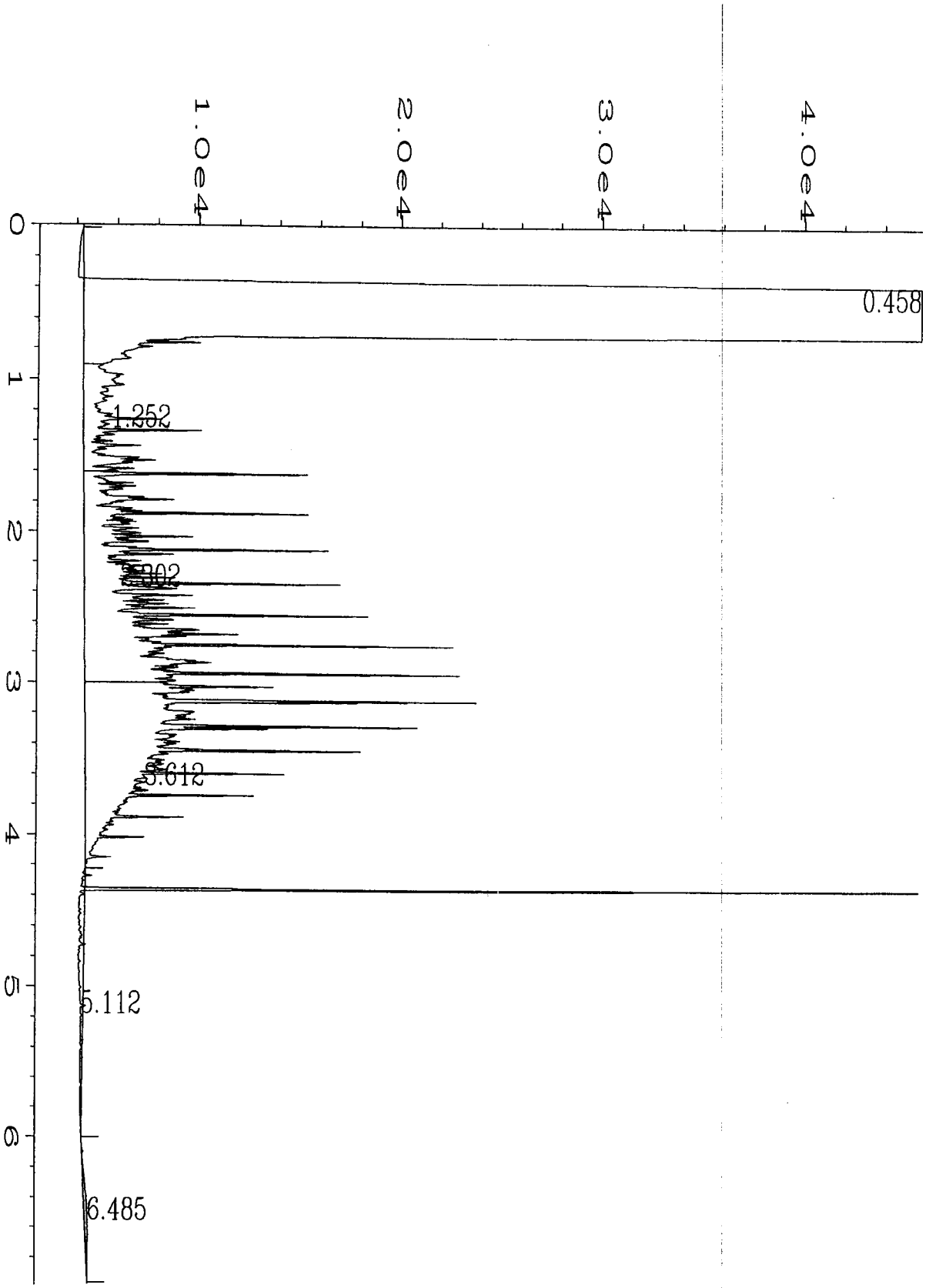
Last modified 1/2/15 mwdl			TPHDSL.XLS			
Data File Name : C:\HPCHEM\6\DATA\12-31-14\012F0401.D						
Operator : mwdl				Page Number : 1		
Instrument : GC #6				Vial Number : 12		
Sample Name : 10ppm dx 44-94				Injection Number : 1		
Run Time Bar Code:				Sequence Line : 4		
Acquired on	42004	0.5645833				
Report Created on: 02 Jan 15 10:07 AM				Analysis Method : DX1.MTH		
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**		
Triacontane					Calibrated	
0	>5.50	<5.55	0	1.00E+05	2/1/11	
Pentacosane						
0	>4.22	<4.31	0	1.09E+05	12/31/14	
o-Terphenyl						
0	>3.46	<3.54	0	1.24E+05	12/31/14	
Results			Area	Resp. factor	Calibrated	
Diesel, start C10 - start C25						
10	>1.6	<4.22	9.71E+04	9.92E+03	12/31/14	
NWTPH-DX, start C10 - end C36						
10	>1.6	<6.0	97079	1.02E+04	12/31/14	
Motor Oil, start C25 - end C36						
0	>4.22	<6.0	0	6.49E+03	12/31/14	
Heavy Oil, start C17 - end C36						
5	>3.0	<6.0	43280	8.73E+03	12/31/14	
C12-C24						
1	>5.7	<10.45	4836	9.42E+03	9/25/06	
Stoddard, start C8 - end C11						
12	>0.9	<3.0	85967	6.96E+03	1/8/13	
Kerosene, start C8 - end C20						
19	>0.9	<4.22	129247	6.65E+03	1/10/13	
C24-C38						
0	>10.45	<19.8	0	9.42E+03	1/27/11	



Data File Name : C:\HPCHEM\6\DATA\12-31-14\013F0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 50ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 01:42 PM
Report Created on: 02 Jan 15 10:07 AM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : DX1.MTH

Area Percent Report

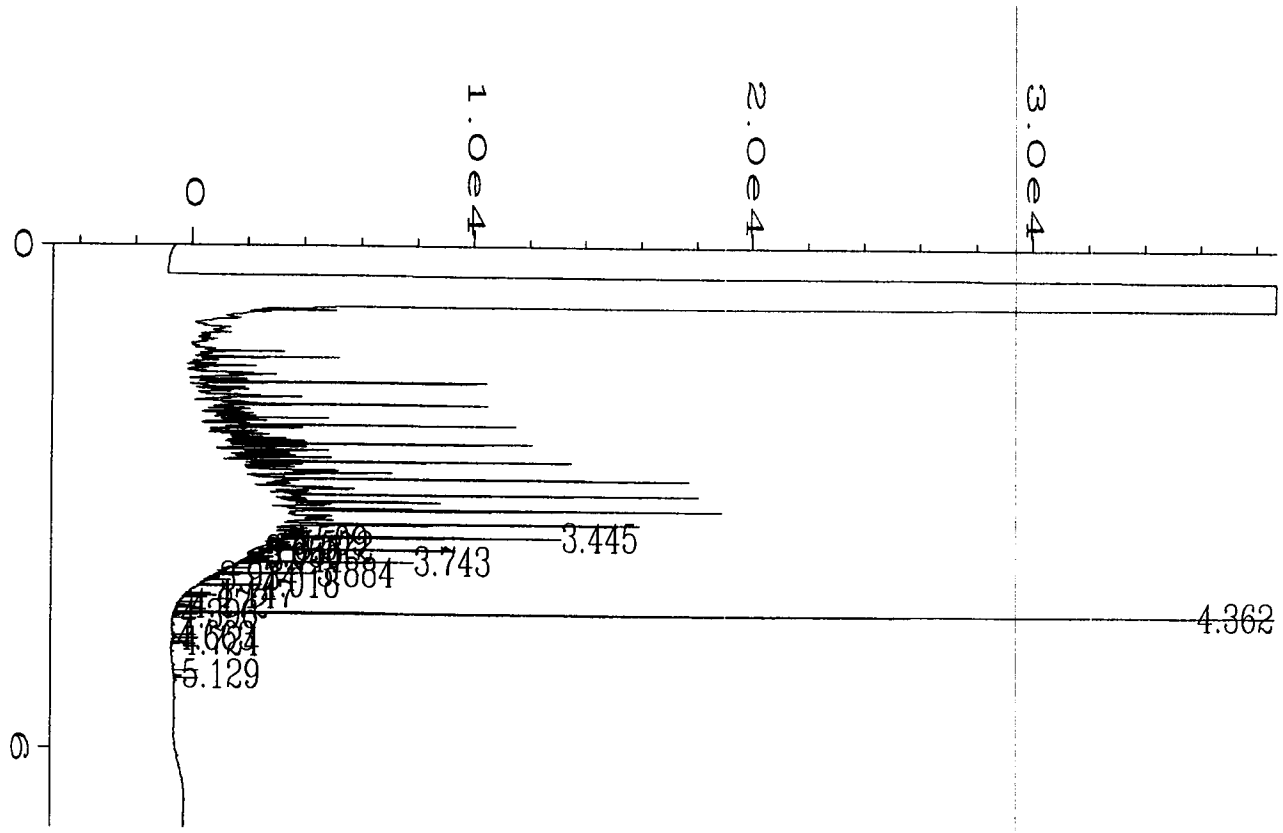
Data File Name : C:\HPCHEM\6\DATA\12-31-14\013F0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 50ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 01:42 PM
Report Created on: 02 Jan 15 10:07 AM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : DX1.MTH

Sig. 1 in C:\HPCHEM\6\DATA\12-31-14\013F0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.458	1.36979E+009	1.03048E+008	BVA	0.222	99.9600
2	1.252	51406	5792	VVA	0.148	0.0038
3	2.302	255049	18574	VV +	0.000	0.0186
4	3.612	228988	19314	VB +	0.000	0.0167
5	5.112	7966	41493	BV +	0.000	0.0006
6	6.485	4788	182	PB +	0.000	0.0003

Total area = 1.37034E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\6\DATA\12-31-14\013R0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 50ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 01:42 PM
Report Created on: 02 Jan 15 10:07 AM

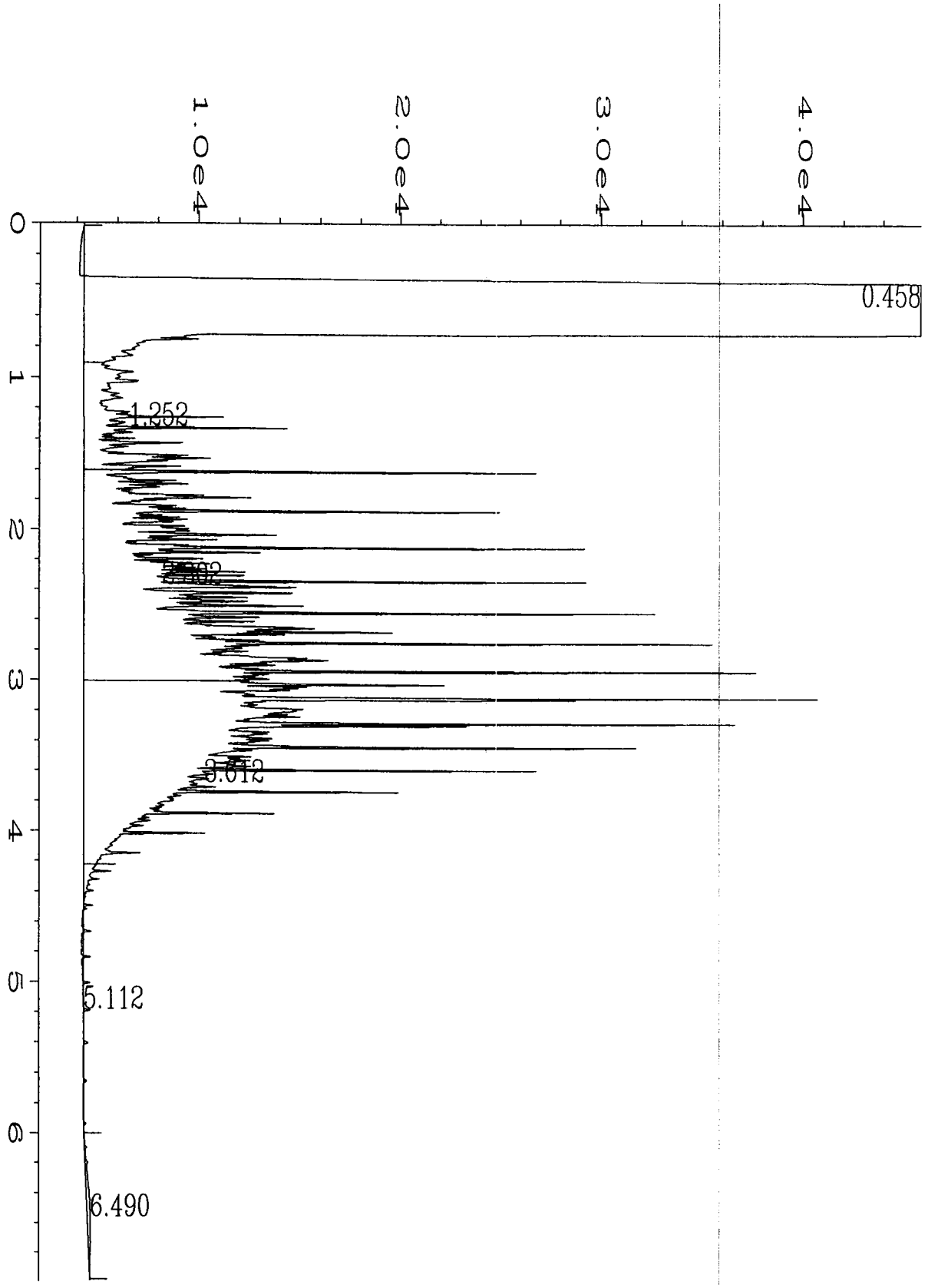
Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\6\DATA\12-31-14\013R0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.445	5911	10878	BB	0.009	13.3149
2	3.509	936	601	BB	0.031	2.1073
3	3.572	1261	1294	BB	0.016	2.8401
4	3.625	4439	537	BB	0.138	9.9991
5	3.656	442	591	BB	0.012	0.9956
6	3.711	721	819	BB	0.015	1.6246
7	3.743	2943	6382	BB	0.008	6.6291
8	3.884	1774	3646	BB	0.012	3.9963
9	3.934	346	400	BB	0.014	0.7793
10	4.018	1175	2447	BB	0.008	2.6458
11	4.147	683	1175	BB	0.012	1.5375
12	4.272	278	518	BB	0.013	0.6260
13	4.362	22655	46332	BB	0.008	51.0289
14	4.396	149	273	BB	0.009	0.3355
15	4.663	171	151	BB	0.019	0.3844
16	4.724	293	368	BB	0.013	0.6593
17	5.129	220	296	BB	0.017	0.4961

Total area = 44397

Last modified 1/2/15 mwdl			TPHDSL.XLS				
Data File Name : C:\HPCHEM\6\DATA\12-31-14\013F0401.D							
Operator : mwdl				Page Number : 1			
Instrument : GC #6				Vial Number : 13			
Sample Name : 50ppm dx 44-94				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 4			
Acquired on	42004	0.5708333					
Report Created on: 02 Jan 15 10:07 AM				Analysis Method : DX1.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.50	<5.55	0	1.00E+05		2/1/11	
Pentacosane							
0	>4.22	<4.31	278	1.09E+05		12/31/14	
o-Terphenyl							
1	>3.46	<3.54	936	1.24E+05		12/31/14	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
49	>1.6	<4.22	4.83E+05	9.92E+03		12/31/14	
NWTPH-DX, start C10 - end C36							
48	>1.6	<6.0	490789	1.02E+04		12/31/14	
Motor Oil, start C25 - end C36							
1	>4.22	<6.0	7688	6.49E+03		12/31/14	
Heavy Oil, start C17 - end C36							
27	>3.0	<6.0	235740	8.73E+03		12/31/14	
C12-C24							
0	>5.7	<10.45	3852	9.42E+03		9/25/06	
Stoddard, start C8 - end C11							
44	>0.9	<3.0	306455	6.96E+03		1/8/13	
Kerosene, start C8 - end C20							
80	>0.9	<4.22	534507	6.65E+03		1/10/13	
C24-C38							
0	>10.45	<19.8	-278	9.42E+03		1/27/11	



Data File Name : C:\HPCHEM\6\DATA\12-31-14\014F0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 100ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 01:53 PM
Report Created on: 02 Jan 15 10:07 AM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : DX1.MTH

Area Percent Report

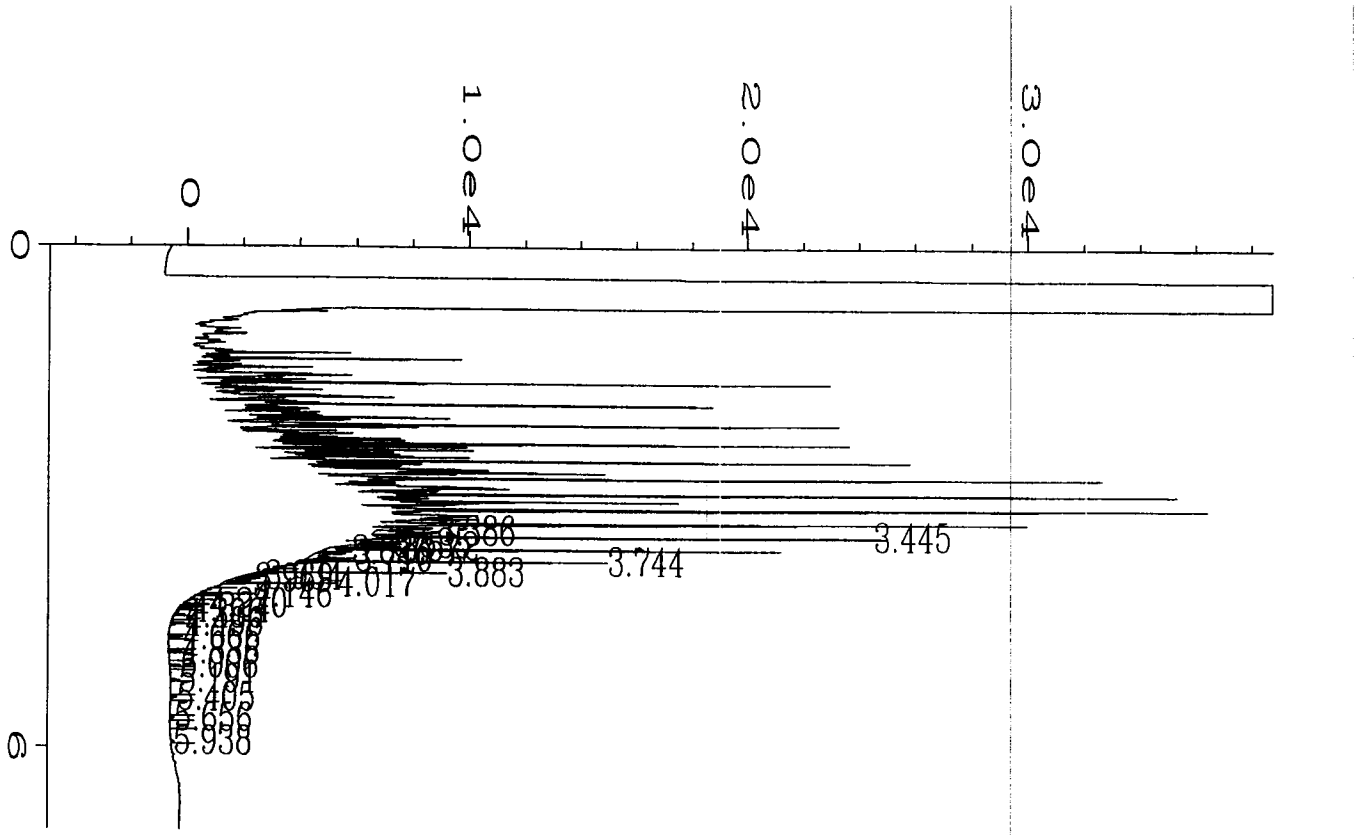
Data File Name : C:\HPCHEM\6\DATA\12-31-14\014F0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 100ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 01:53 PM
Report Created on: 02 Jan 15 10:07 AM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : DX1.MTH

Sig. 1 in C:\HPCHEM\6\DATA\12-31-14\014F0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.458	1.28219E+009	1.01892E+008	BVA	0.210	99.9159
2	1.252	81145	10011	VVA	0.135	0.0063
3	2.302	516232	33369	VVA	0.258	0.0402
4	3.612	474866	36372	VVA	0.218	0.0370
5	5.112	2327	1335	VV +	0.000	0.0002
6	6.490	4765	176	PB +	0.000	0.0004

Total area = 1.28327E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\6\DATA\12-31-14\014R0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 100ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 01:53 PM
Report Created on: 02 Jan 15 10:07 AM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\6\DATA\12-31-14\014R0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.386	3162	2366	BB	0.022	6.9361
2	3.445	10626	20028	BB	0.009	23.3128
3	3.535	1350	1148	BB	0.018	2.9612
4	3.572	2447	2318	BB	0.018	5.3674
5	3.626	8473	1137	BB	0.124	18.5885
6	3.710	3028	1733	BB	0.026	6.6429
7	3.744	5243	11338	BB	0.008	11.5032
8	3.883	3320	6979	BB	0.012	7.2845
9	3.934	784	811	BB	0.016	1.7199
10	3.969	684	885	BB	0.013	1.5005
11	4.017	1965	4202	BB	0.008	4.3115
12	4.146	1353	2009	BB	0.011	2.9686
13	4.270	495	969	BB	0.014	1.0869
14	4.324	307	538	BB	0.010	0.6734
15	4.396	257	424	BB	0.010	0.5636
16	4.496	299	528	BB	0.009	0.6560
17	4.666	382	523	BB	0.012	0.8377
18	4.836	301	481	BB	0.010	0.6593
19	5.006	256	404	BB	0.011	0.5613
20	5.191	293	335	BB	0.014	0.6435

21	5.405	254	248	BB	0.016	0.5581
22	5.656	188	161	BB	0.019	0.4118
23	5.938	115	117	BB	0.016	0.2515

Total area = 45581

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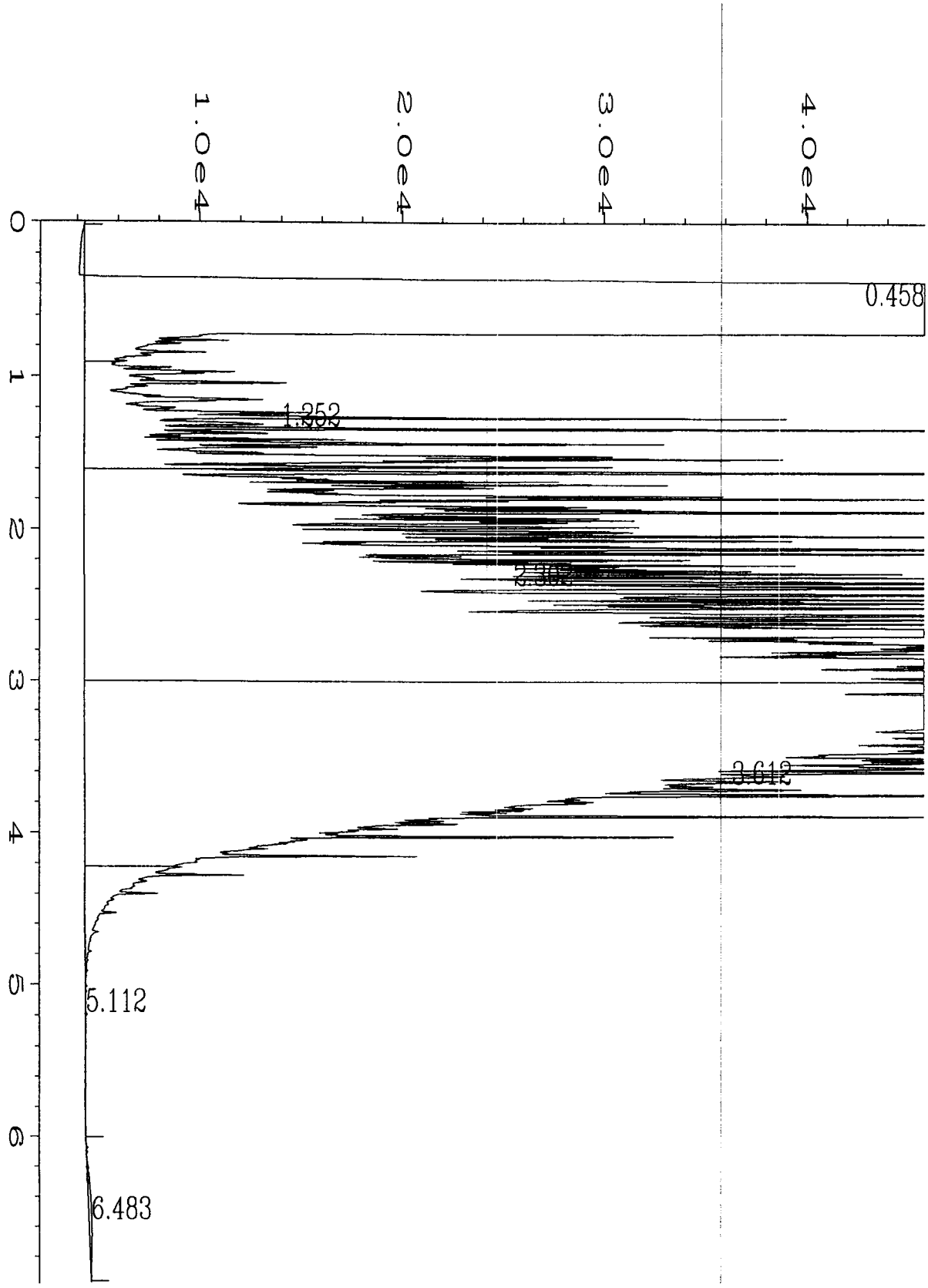
Last modified 1/2/15 mwdl			TPHDSL.XLS				
Data File Name	: C:\HPCHEM\6\DATA\12-31-14\014F0401.D						
Operator	: mwdl			Page Number	: 1		
Instrument	: GC #6			Vial Number	: 14		
Sample Name	: 100ppm dx 44-94			Injection Number	: 1		
Run Time Bar Code:				Sequence Line	: 4		
Acquired on	42004	0.5784722					
Report Created on: 02 Jan 15 10:07 AM				Analysis Method	: DX1.MTH		
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.50	<5.55	0	1.00E+05		2/1/11	
Pentacosane							
0	>4.22	<4.31	495	1.09E+05		12/31/14	
o-Terphenyl							
1	>3.46	<3.54	1350	1.24E+05		12/31/14	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
100	>1.6	<4.22	9.90E+05	9.92E+03		12/31/14	
NWTPH-DX, start C10 - end C36							
98	>1.6	<6.0	991580	1.02E+04		12/31/14	
Motor Oil, start C25 - end C36							
0	>4.22	<6.0	1832	6.49E+03		12/31/14	
Heavy Oil, start C17 - end C36							
54	>3.0	<6.0	475348	8.73E+03		12/31/14	
C12-C24							
0	>5.7	<10.45	3415	9.42E+03		9/25/06	
Stoddard, start C8 - end C11							
86	>0.9	<3.0	597377	6.96E+03		1/8/13	
Kerosene, start C8 - end C20							
161	>0.9	<4.22	1070893	6.65E+03		1/10/13	
C24-C38							
0	>10.45	<19.8	-495	9.42E+03		1/27/11	



Data File Name : C:\HPCHEM\6\DATA\12-31-14\015F0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 500ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 02:04 PM
Report Created on: 02 Jan 15 10:08 AM

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : DX1.MTH

Area Percent Report

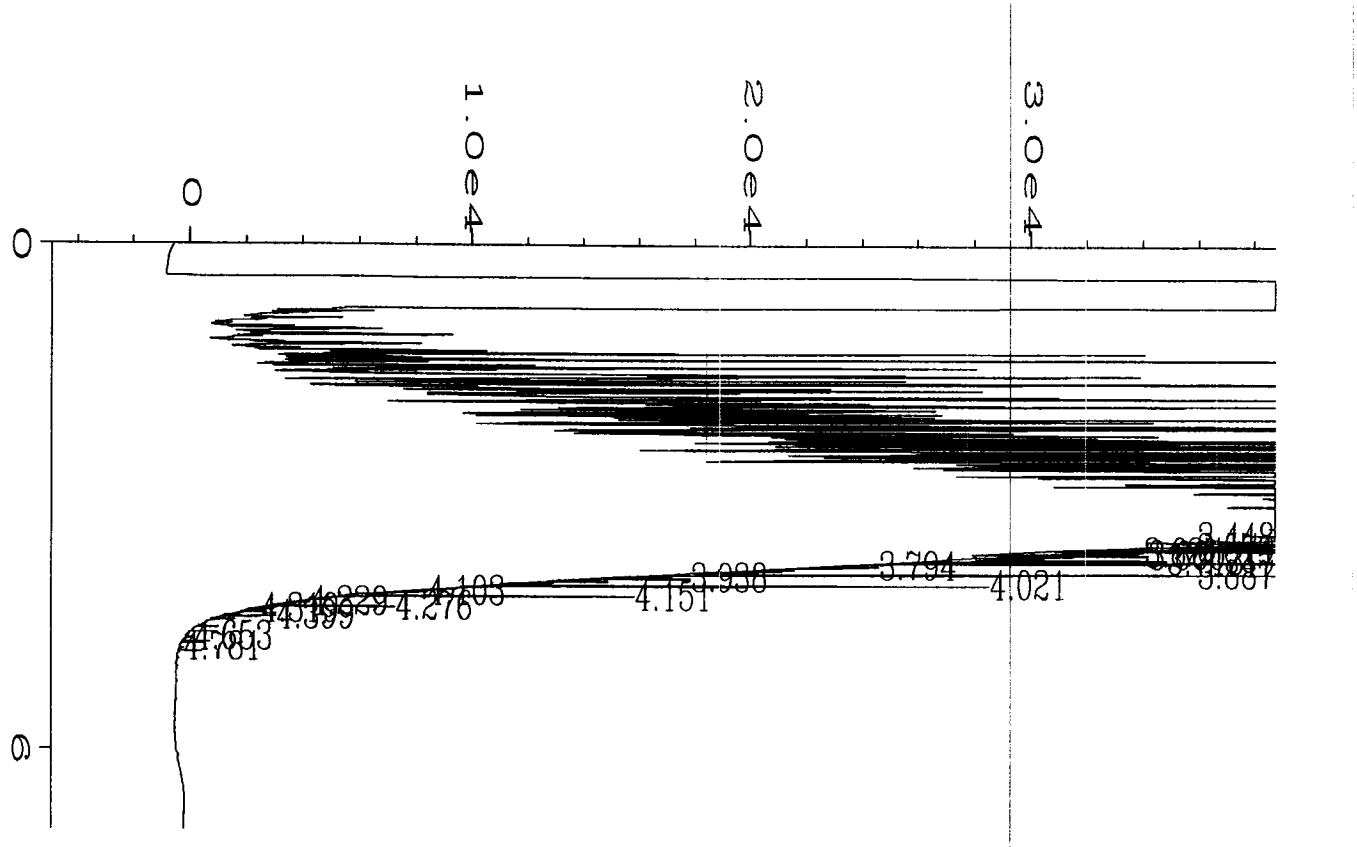
Data File Name : C:\HPCHEM\6\DATA\12-31-14\015F0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 500ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 02:04 PM
Report Created on: 02 Jan 15 10:08 AM

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : DX1.MTH

Sig. 1 in C:\HPCHEM\6\DATA\12-31-14\015F0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.458	1.35575E+009	1.03857E+008	BVA	0.218	99.5814
2	1.252	315083	52458	VVA	0.100	0.0231
3	2.302	2725745	177456	VV +	0.000	0.2002
4	3.612	2604237	186747	VVA	0.232	0.1913
5	5.112	49620	7764	VV +	0.000	0.0036
6	6.483	4398	169	PB +	0.000	0.0003

Total area = 1.36145E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\6\DATA\12-31-14\015R0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 500ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 02:04 PM
Report Created on: 02 Jan 15 10:08 AM

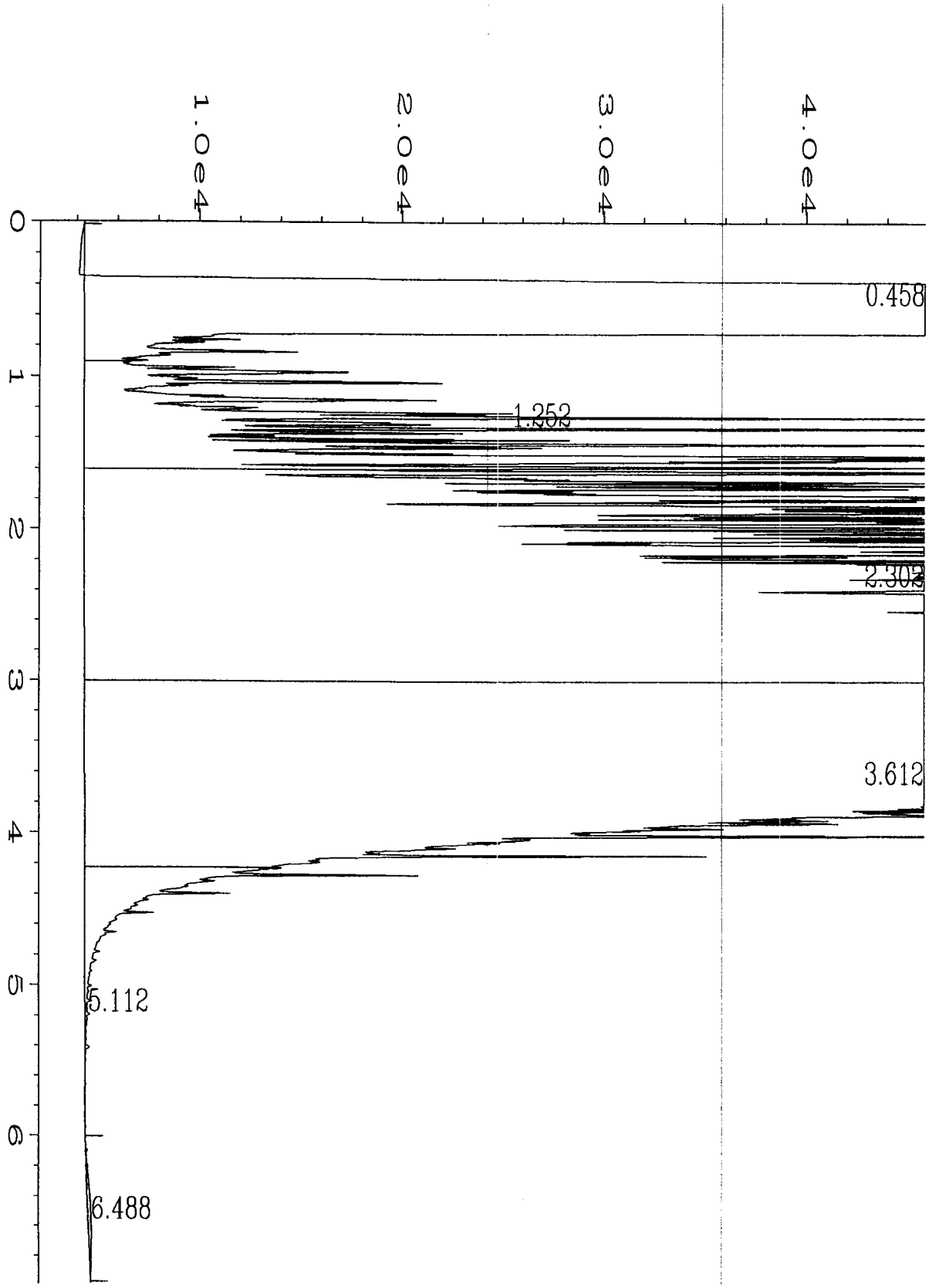
Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\6\DATA\12-31-14\015R0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.448	57385	104704	BB	0.009	26.9399
2	3.574	18483	13273	BB	0.022	8.6768
3	3.627	44137	5316	BB	0.138	20.7205
4	3.660	4679	6264	BB	0.012	2.1966
5	3.713	8392	8506	BB	0.018	3.9396
6	3.747	28326	61075	BB	0.008	13.2978
7	3.794	3245	2674	BB	0.020	1.5234
8	3.887	19790	37297	BB	0.012	9.2907
9	3.938	4105	4092	BB	0.017	1.9273
10	4.021	10523	19418	BB	0.009	4.9402
11	4.103	2586	1341	BB	0.032	1.2140
12	4.151	5670	10780	BB	0.009	2.6618
13	4.229	1106	646	BB	0.029	0.5193
14	4.276	2768	4811	BB	0.015	1.2994
15	4.319	358	522	BB	0.011	0.1682
16	4.399	1145	2077	BB	0.015	0.5377
17	4.653	202	313	BB	0.014	0.0949
18	4.781	111	177	BB	0.010	0.0520

Total area = 213011

Last modified 1/2/15 mwdl			TPHDSL.XLS			
Data File Name : C:\HPCHEM\6\DATA\12-31-14\015F0401.D						
Operator : mwdl				Page Number : 1		
Instrument : GC #6				Vial Number : 15		
Sample Name : 500ppm dx 44-94				Injection Number : 1		
Run Time Bar Code:				Sequence Line : 4		
Acquired on	42004	0.5861111				
Report Created on: 02 Jan 15 10:08 AM				Analysis Method : DX1.MTH		
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**		
Triacontane					Calibrated	
0	>5.50	<5.55	0	1.00E+05	2/1/11	
Pentacosane						
3	>4.22	<4.31	2768	1.09E+05	12/31/14	
o-Terphenyl						
0	>3.46	<3.54	0	1.24E+05	12/31/14	
Results			Area	Resp. factor	Calibrated	
Diesel, start C10 - start C25						
537	>1.6	<4.22	5.33E+06	9.92E+03	12/31/14	
NWTPH-DX, start C10 - end C36						
529	>1.6	<6.0	5376834	1.02E+04	12/31/14	
Motor Oil, start C25 - end C36						
7	>4.22	<6.0	46852	6.49E+03	12/31/14	
Heavy Oil, start C17 - end C36						
304	>3.0	<6.0	2651089	8.73E+03	12/31/14	
C12-C24						
0	>5.7	<10.45	4398	9.42E+03	9/25/06	
Stoddard, start C8 - end C11						
437	>0.9	<3.0	3040828	6.96E+03	1/8/13	
Kerosene, start C8 - end C20						
849	>0.9	<4.22	5645065	6.65E+03	1/10/13	
C24-C38						
0	>10.45	<19.8	-2768	9.42E+03	1/27/11	



Data File Name : C:\HPCHEM\6\DATA\12-31-14\016F0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 1000ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 02:14 PM
Report Created on: 02 Jan 15 10:08 AM

Page Number : 1
Vial Number : 16
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : DX1.MTH

Area Percent Report

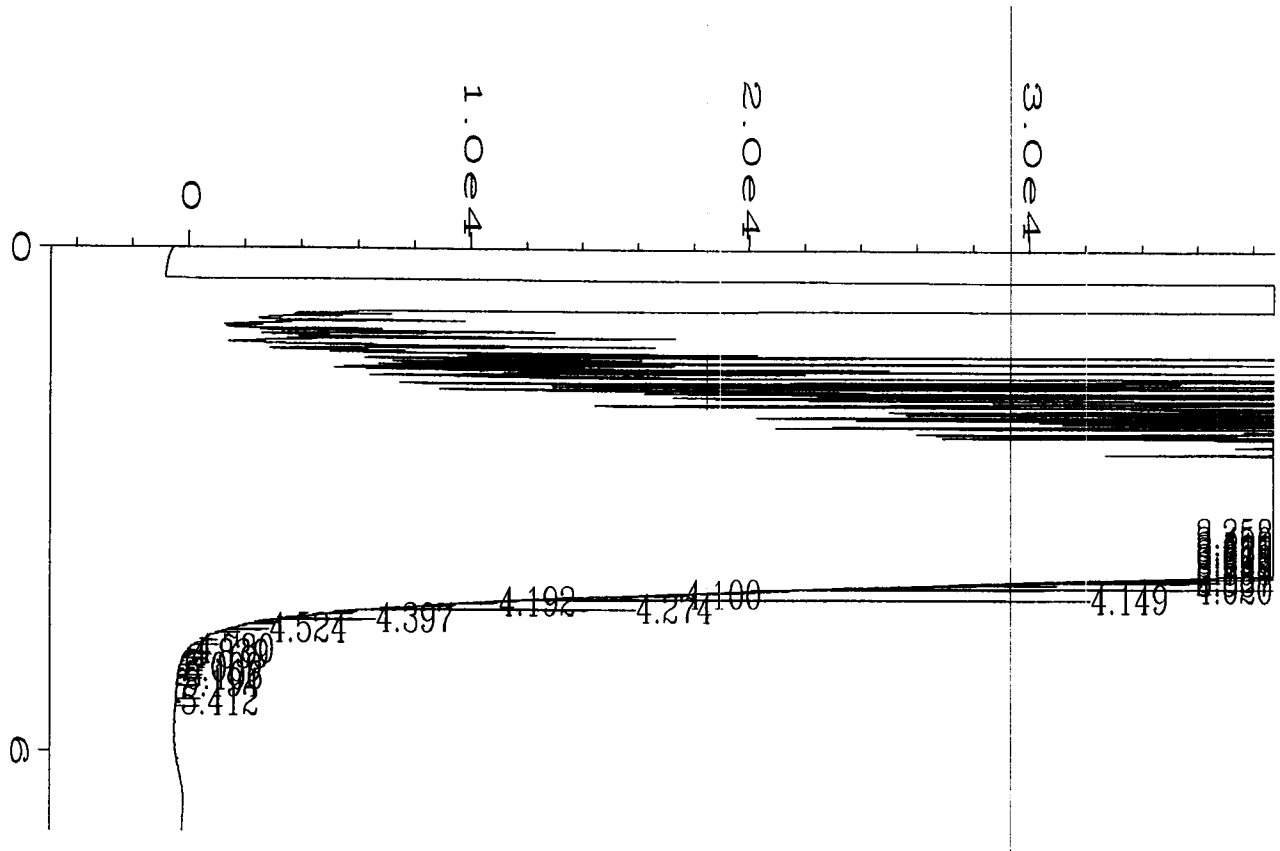
Data File Name : C:\HPCHEM\6\DATA\12-31-14\016F0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 1000ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 02:14 PM
Report Created on: 02 Jan 15 10:08 AM

Page Number : 1
Vial Number : 16
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : DX1.MTH

Sig. 1 in C:\HPCHEM\6\DATA\12-31-14\016F0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.458	1.349E+009	1.0393E+008	BVA	0.216	99.1576
2	1.252	611157	108353	VVA	0.094	0.0449
3	2.302	5500475	350966	VVA	0.261	0.4043
4	3.612	5232545	335234	VVA	0.260	0.3846
5	5.112	111890	16398	VB +	0.000	0.0082
6	6.488	4484	168	BB +	0.000	0.0003

Total area = 1.36046E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\6\DATA\12-31-14\016R0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 1000ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 02:14 PM
Report Created on: 02 Jan 15 10:08 AM

Page Number : 1
Vial Number : 16
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\6\DATA\12-31-14\016R0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.358	16857	11446	BB	0.025	3.9684
2	3.450	115618	212385	BB	0.009	27.2181
3	3.511	184	12856	BB	0.000	0.0433
4	3.539	14945	12695	BB	0.018	3.5183
5	3.576	23128	22507	BB	0.016	5.4446
6	3.602	74172	161183	BB	0.008	17.4612
7	3.660	11047	10650	BB	0.018	2.6006
8	3.695	3036	4577	BB	0.011	0.7146
9	3.747	65111	118475	BB	0.009	15.3280
10	3.793	8068	6212	BB	0.022	1.8992
11	3.887	38743	73487	BB	0.012	9.1207
12	3.937	7479	7716	BB	0.016	1.7607
13	4.020	20472	41786	BB	0.008	4.8193
14	4.100	4660	2348	BB	0.033	1.0970
15	4.149	10941	21131	BB	0.009	2.5757
16	4.192	1026	1151	BB	0.015	0.2415
17	4.274	5641	9854	BB	0.016	1.3280
18	4.397	1722	3502	BB	0.015	0.4053
19	4.524	803	1529	BB	0.009	0.1889
20	4.780	183	311	BB	0.010	0.0430

21	4.839	269	255	BB	0.018	0.0632
22	5.009	128	195	BB	0.011	0.0301
23	5.106	172	263	BB	0.011	0.0405
24	5.194	144	171	BB	0.014	0.0339
25	5.412	236	186	BB	0.019	0.0556

Total area = 424782

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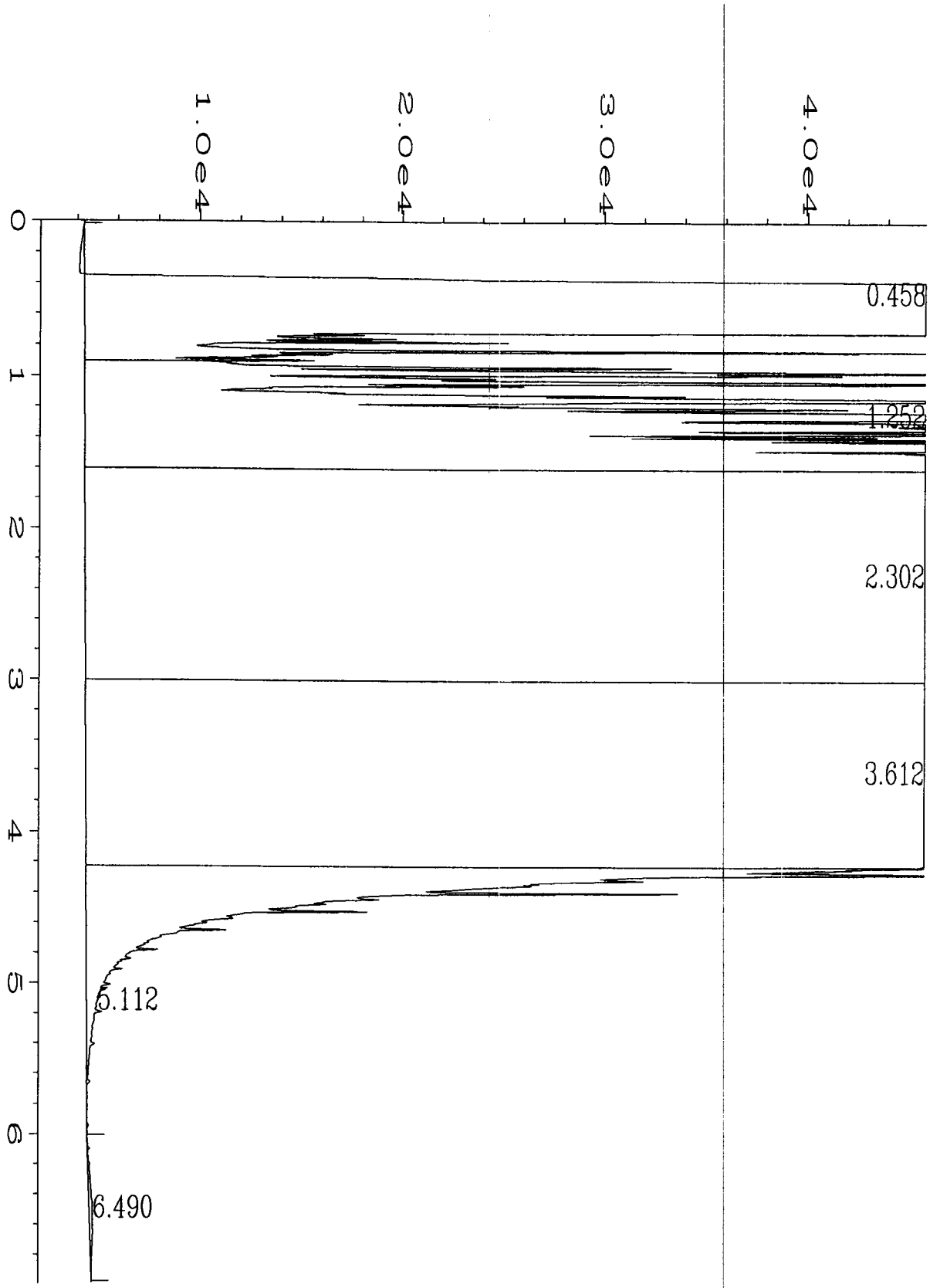
Last modified 1/2/15 mwdl			TPHDSL.XLS				
Data File Name : C:\HPCHEM\6\DATA\12-31-14\016F0401.D							
Operator : mwdl				Page Number : 1			
Instrument : GC #6				Vial Number : 16			
Sample Name : 1000ppm dx 44-94				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 4			
Acquired on	42004	0.5930556					
Report Created on: 02 Jan 15 10:08 AM				Analysis Method : DX1.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.50	<5.55	0	1.00E+05		2/1/11	
Pentacosane							
5	>4.22	<4.31	5641	1.09E+05		12/31/14	
o-Terphenyl							
12	>3.46	<3.54	14945	1.24E+05		12/31/14	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
1081	>1.6	<4.22	1.07E+07	9.92E+03		12/31/14	
NWTPH-DX, start C10 - end C36							
1065	>1.6	<6.0	10824324	1.02E+04		12/31/14	
Motor Oil, start C25 - end C36							
16	>4.22	<6.0	106249	6.49E+03		12/31/14	
Heavy Oil, start C17 - end C36							
610	>3.0	<6.0	5323849	8.73E+03		12/31/14	
C12-C24							
-1	>5.7	<10.45	-10461	9.42E+03		9/25/06	
Stoddard, start C8 - end C11							
878	>0.9	<3.0	6111632	6.96E+03		1/8/13	
Kerosene, start C8 - end C20							
1705	>0.9	<4.22	11329232	6.65E+03		1/10/13	
C24-C38							
-1	>10.45	<19.8	-5641	9.42E+03		1/27/11	



Data File Name	: C:\HPCHEM\6\DATA\12-31-14\017F0401.D		
Operator	: mwdl	Page Number	: 1
Instrument	: GC #6	Vial Number	: 17
Sample Name	: 5000ppm dx 44-94	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 4
Acquired on	: 31 Dec 14 02:25 PM	Instrument Method	: DX1.MTH
Report Created on:	02 Jan 15 10:08 AM	Analysis Method	: DX1.MTH

Area Percent Report

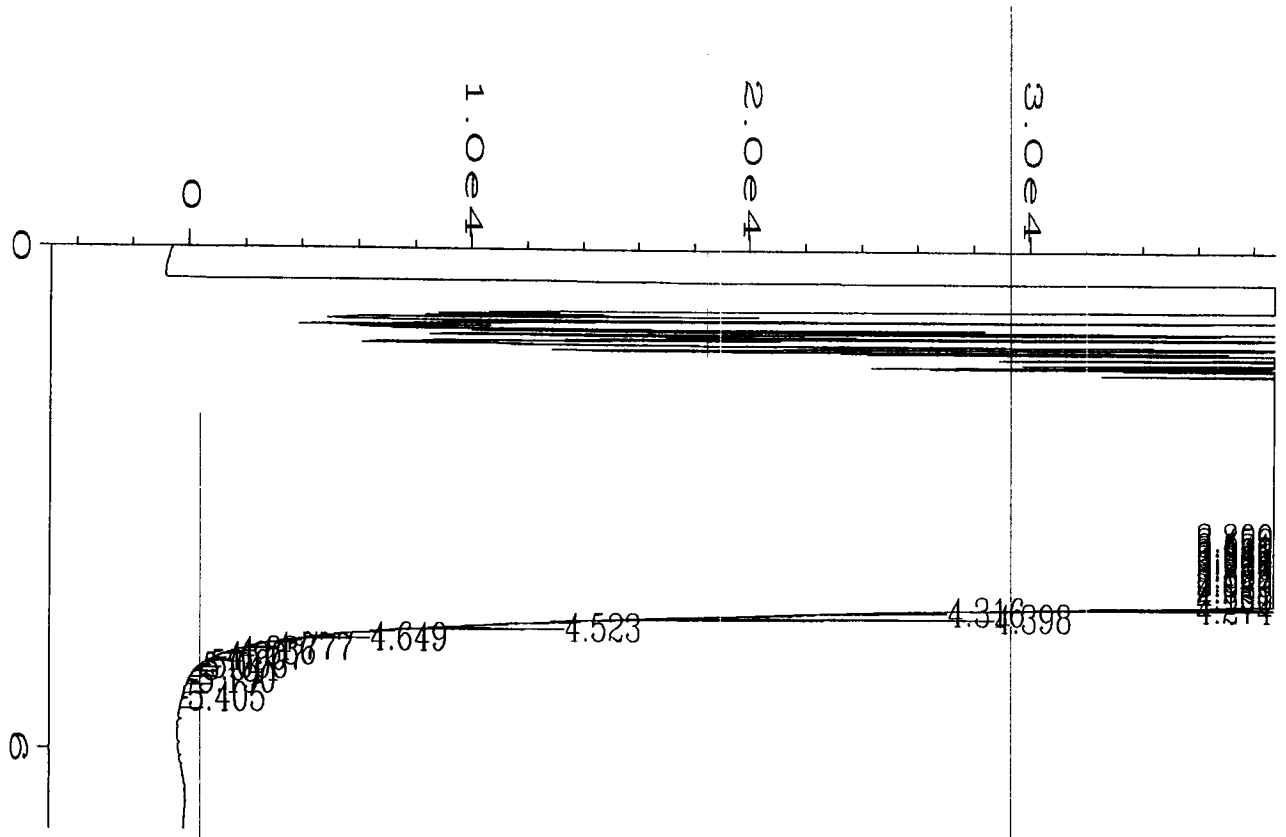
Data File Name : C:\HPCHEM\6\DATA\12-31-14\017F0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 5000ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 02:25 PM
Report Created on: 02 Jan 15 10:08 AM

Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : DX1.MTH

Sig. 1 in C:\HPCHEM\6\DATA\12-31-14\017F0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.458	1.28418E+009	1.03968E+008	BVA	0.206	96.1284
2	1.252	2664652	417790	VVA	0.106	0.1995
3	2.302	2.47702E+007	1123975	VV +	0.000	1.8542
4	3.612	2.3781E+007	1076733	VVA	0.368	1.7802
5	5.112	499814	62318	VVA	0.134	0.0374
6	6.490	4922	174	PB +	0.000	0.0004

Total area = 1.3359E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\6\DATA\12-31-14\017R0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 5000ppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 02:25 PM
Report Created on: 02 Jan 15 10:08 AM

Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\6\DATA\12-31-14\017R0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.399	71683	68797	BB	0.017	5.1889
2	3.459	368684	609073	BB	0.010	26.6876
3	3.521	5114	36279	BB	0.002	0.3701
4	3.549	36882	40881	BB	0.015	2.6697
5	3.583	41298	78013	BB	0.009	2.9894
6	3.611	231364	420661	BB	0.009	16.7475
7	3.636	18345	27353	BB	0.011	1.3279
8	3.667	36008	40325	BB	0.015	2.6065
9	3.720	50688	40729	BB	0.021	3.6691
10	3.754	180741	359324	BB	0.008	13.0831
11	3.835	25548	10112	BB	0.042	1.8493
12	3.892	132150	224158	BB	0.014	9.5658
13	3.940	20739	26423	BB	0.013	1.5012
14	4.023	80165	142449	BB	0.009	5.8028
15	4.101	12543	4014	BB	0.052	0.9080
16	4.150	33745	66962	BB	0.011	2.4427
17	4.274	19145	32320	BB	0.010	1.3858
18	4.316	2465	3746	BB	0.011	0.1784
19	4.398	8307	13750	BB	0.010	0.6013
20	4.523	2448	5356	BB	0.012	0.1772

21	4.649	1281	2394	BB	0.012	0.0928
22	4.777	393	1091	BB	0.006	0.0284
23	4.836	260	423	BB	0.010	0.0189
24	4.907	472	525	BB	0.015	0.0341
25	5.006	380	403	BB	0.016	0.0275
26	5.041	194	276	BB	0.012	0.0141
27	5.190	263	356	BB	0.016	0.0190
28	5.405	178	196	BB	0.014	0.0129

Total area = 1381482

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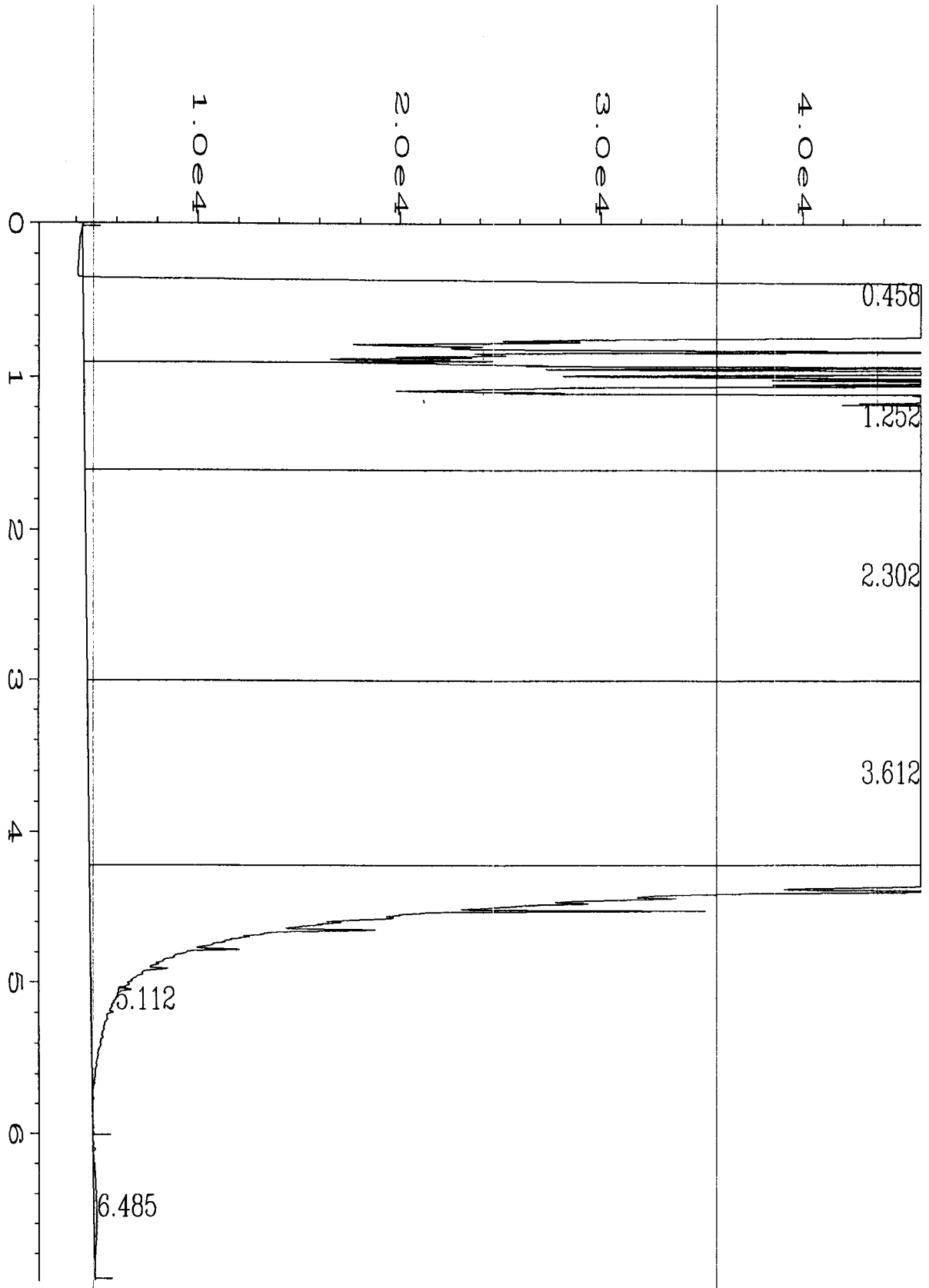
Last modified 1/2/15 mwdl			TPHDSL.XLS				
Data File Name	: C:\HPCHEM\6\DATA\12-31-14\017F0401.D						
Operator	: mwdl			Page Number	: 1		
Instrument	: GC #6			Vial Number	: 17		
Sample Name	: 5000ppm dx 44-94			Injection Number	: 1		
Run Time Bar Code:				Sequence Line	: 4		
Acquired on	42004	0.6006944					
Report Created on: 02 Jan 15 10:08 AM				Analysis Method	: DX1.MTH		
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.50	<5.55	0	1.00E+05		2/1/11	
Pentacosane							
18	>4.22	<4.31	19145	1.09E+05		12/31/14	
o-Terphenyl							
4	>3.46	<3.54	5114	1.24E+05		12/31/14	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
4895	>1.6	<4.22	4.85E+07	9.92E+03		12/31/14	
NWTPH-DX, start C10 - end C36							
4822	>1.6	<6.0	49026755	1.02E+04		12/31/14	
Motor Oil, start C25 - end C36							
74	>4.22	<6.0	480669	6.49E+03		12/31/14	
Heavy Oil, start C17 - end C36							
2778	>3.0	<6.0	24256555	8.73E+03		12/31/14	
C12-C24							
0	>5.7	<10.45	-192	9.42E+03		9/25/06	
Stoddard, start C8 - end C11							
3940	>0.9	<3.0	27434852	6.96E+03		1/8/13	
Kerosene, start C8 - end C20							
7706	>0.9	<4.22	51210738	6.65E+03		1/10/13	
C24-C38							
-2	>10.45	<19.8	-19145	9.42E+03		1/27/11	



Data File Name	: C:\HPCHEM\6\DATA\12-31-14\018F0401.D		
Operator	: mwdl	Page Number	: 1
Instrument	: GC #6	Vial Number	: 18
Sample Name	: 10kppm dx 44-94	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 4
Acquired on	: 31 Dec 14 02:36 PM	Instrument Method	: DX1.MTH
Report Created on	: 02 Jan 15 10:08 AM	Analysis Method	: DX1.MTH

Area Percent Report

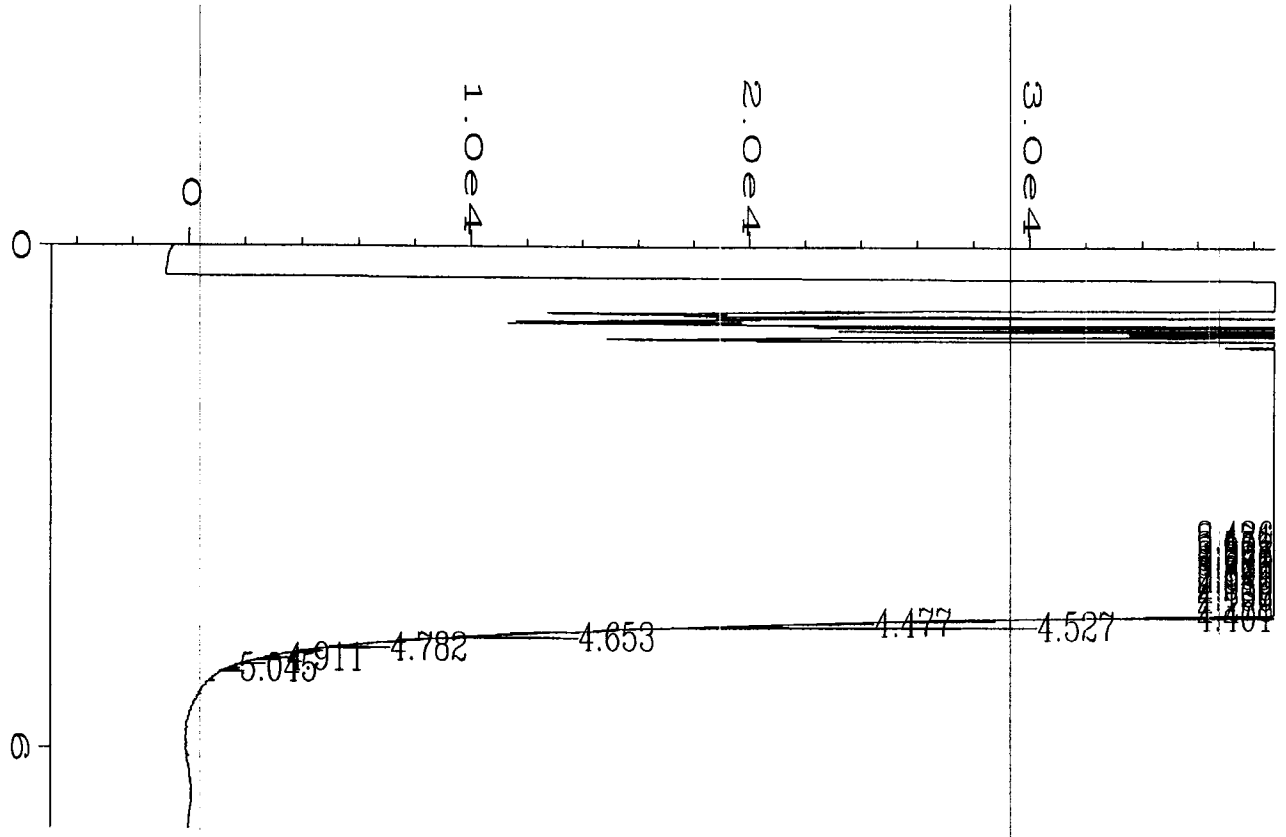
Data File Name : C:\HPCHEM\6\DATA\12-31-14\018F0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 10kppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 02:36 PM
Report Created on: 02 Jan 15 10:08 AM

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : DX1.MTH

Sig. 1 in C:\HPCHEM\6\DATA\12-31-14\018F0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.458	1.3163E+009	1.02129E+008	BV +	0.000	92.3536
2	1.252	5529787	564346	VVA	0.163	0.3880
3	2.302	5.22691E+007	1751690	VVA	0.497	3.6673
4	3.612	5.01198E+007	1816481	VVA	0.460	3.5165
5	5.112	1059745	125186	VVA	0.141	0.0744
6	6.485	4857	166	PB +	0.000	0.0003

Total area = 1.42528E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\6\DATA\12-31-14\018R0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 10kppm dx 44-94
Run Time Bar Code:
Acquired on : 31 Dec 14 02:36 PM
Report Created on: 02 Jan 15 10:08 AM

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 4
Instrument Method: DX1.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\6\DATA\12-31-14\018R0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.436	174409	115811	BB	0.025	6.1519
2	3.471	772046	774659	BB	0.015	27.2324
3	3.557	178684	90503	BB	0.028	6.3027
4	3.591	92602	123614	BB	0.012	3.2664
5	3.621	417669	640784	BB	0.011	14.7325
6	3.675	44790	38103	BB	0.020	1.5799
7	3.730	125471	128521	BB	0.016	4.4257
8	3.763	367072	580709	BB	0.011	12.9478
9	3.845	50905	32898	BB	0.026	1.7956
10	3.871	32555	49644	BB	0.011	1.1483
11	3.899	219870	414546	BB	0.009	7.7555
12	3.946	39894	46215	BB	0.014	1.4072
13	4.030	157721	278998	BB	0.009	5.5633
14	4.107	19178	9133	BB	0.035	0.6765
15	4.156	75377	137044	BB	0.009	2.6588
16	4.278	38755	66550	BB	0.010	1.3670
17	4.401	13060	26700	BB	0.008	0.4607
18	4.477	4227	2380	BB	0.030	0.1491
19	4.527	6093	13717	BB	0.007	0.2149
20	4.653	2710	4580	BB	0.015	0.0956

21	4.782	837	2248	BB	0.011	0.0295
22	4.911	642	1009	BB	0.011	0.0226
23	5.045	457	456	BB	0.015	0.0161

Total area = 2835025

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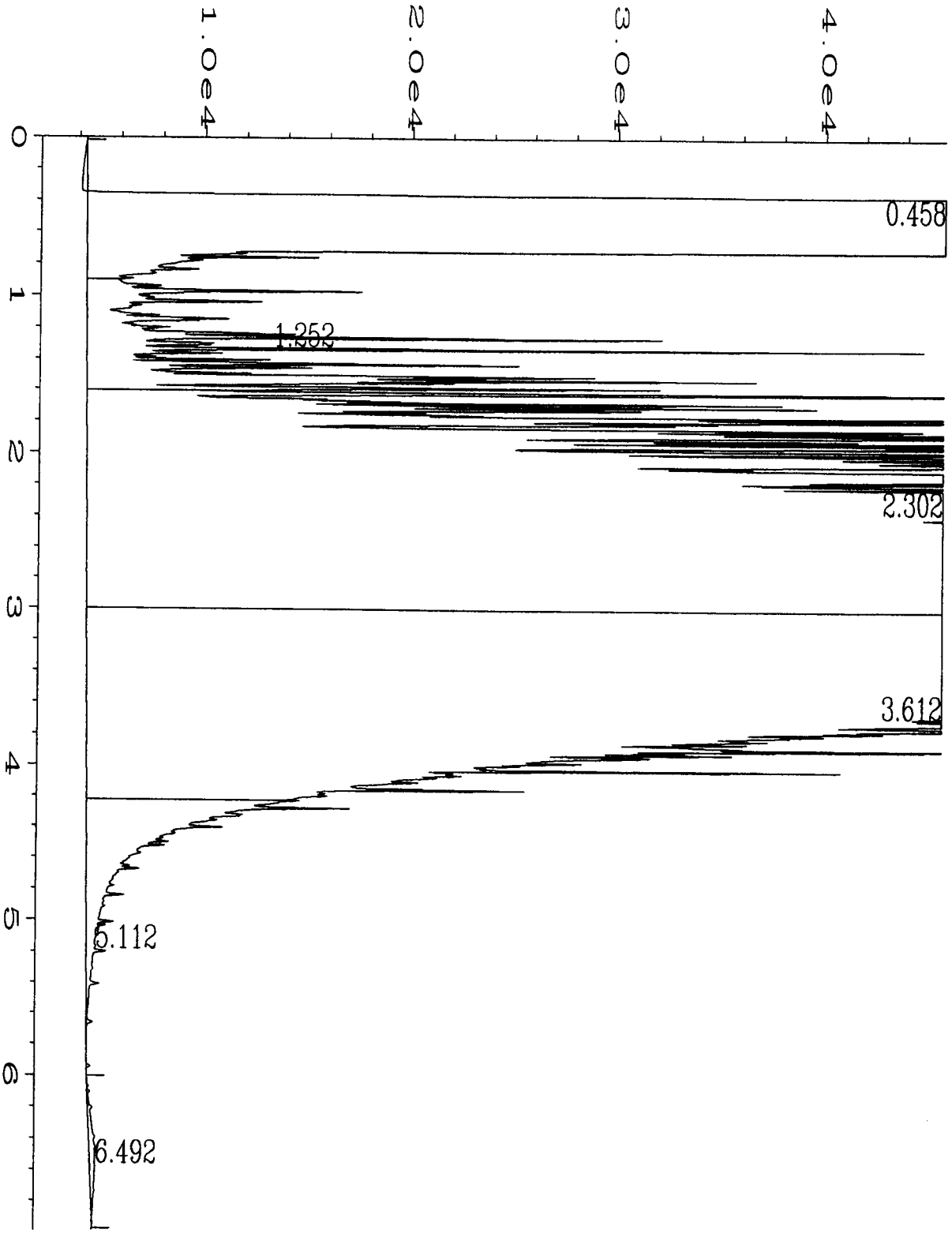
Last modified 1/2/15 mwdl			TPHDSL.XLS				
Data File Name	: C:\HPCHEM\6\DATA\12-31-14\018F0401.D						
Operator	: mwdl			Page Number	: 1		
Instrument	: GC #6			Vial Number	: 18		
Sample Name	: 10kppm dx 44-94			Injection Number	: 1		
Run Time Bar Code:				Sequence Line	: 4		
Acquired on	42004	0.6083333					
Report Created on: 02 Jan 15 10:08 AM				Analysis Method	: DX1.MTH		
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>5.50	<5.55	0	1.00E+05		2/1/11	
Pentacosane							
36	>4.22	<4.31	38755	1.09E+05		12/31/14	
o-Terphenyl							
625	>3.46	<3.54	772046	1.24E+05		12/31/14	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
10247	>1.6	<4.22	1.02E+08	9.92E+03		12/31/14	
NWTPH-DX, start C10 - end C36							
10094	>1.6	<6.0	########	1.02E+04		12/31/14	
Motor Oil, start C25 - end C36							
157	>4.22	<6.0	1020990	6.49E+03		12/31/14	
Heavy Oil, start C17 - end C36							
5768	>3.0	<6.0	50368744	8.73E+03		12/31/14	
C12-C24							
-81	>5.7	<10.45	-767189	9.42E+03		9/25/06	
Stoddard, start C8 - end C11							
8300	>0.9	<3.0	57798887	6.96E+03		1/8/13	
Kerosene, start C8 - end C20							
16123	>0.9	<4.22	########	6.65E+03		1/10/13	
C24-C38							
-4	>10.45	<19.8	-38755	9.42E+03		1/27/11	



Data File Name : C:\HPCHEM\6\DATA\12-31-14\019F0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 1000 dx2' 43-120
Run Time Bar Code:
Acquired on : 31 Dec 14 02:59 PM
Report Created on: 02 Jan 15 10:09 AM

Page Number : 1
Vial Number : 19
Injection Number : 1
Sequence Line : 6
Instrument Method: DX1.MTH
Analysis Method : DX1.MTH

Area Percent Report

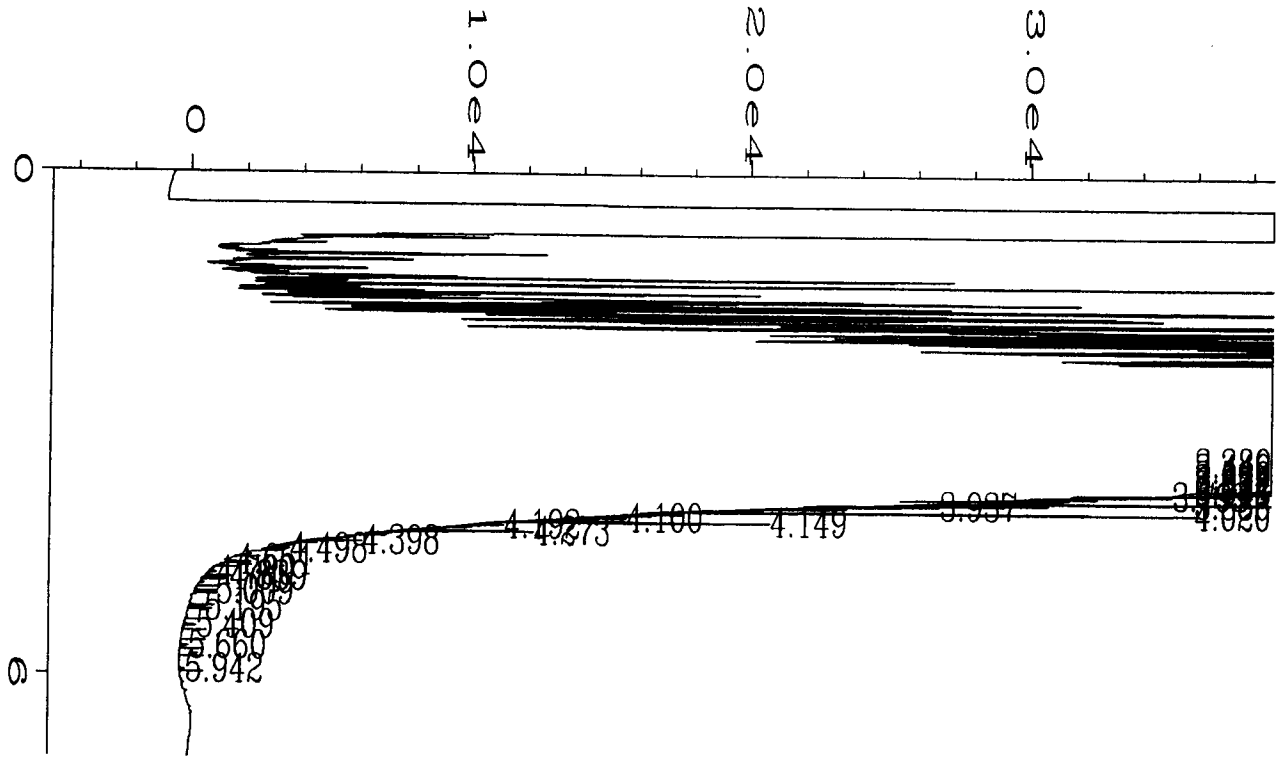
Data File Name : C:\HPCHEM\6\DATA\12-31-14\019F0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 1000 dx2' 43-120
Run Time Bar Code:
Acquired on : 31 Dec 14 02:59 PM
Report Created on: 02 Jan 15 10:09 AM

Page Number : 1
Vial Number : 19
Injection Number : 1
Sequence Line : 6
Instrument Method: DX1.MTH
Analysis Method : DX1.MTH

Sig. 1 in C:\HPCHEM\6\DATA\12-31-14\019F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.458	1.33556E+009	1.0329E+008	BVA	0.216	99.1847
2	1.252	271091	40456	VVA	0.112	0.0201
3	2.302	6230004	351370	VV +	0.000	0.4627
4	3.612	4312172	288842	VVA	0.249	0.3202
5	5.112	156675	12590	VV +	0.000	0.0116
6	6.492	8286	303	PB +	0.000	0.0006

Total area = 1.34654E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\6\DATA\12-31-14\019R0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 1000 dx2' 43-120
Run Time Bar Code:
Acquired on : 31 Dec 14 02:59 PM
Report Created on: 02 Jan 15 10:09 AM

Page Number : 1
Vial Number : 19
Injection Number : 1
Sequence Line : 6
Instrument Method: DX1.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\6\DATA\12-31-14\019R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.389	20683	17867	BB	0.019	5.9278
2	3.449	93820	142432	BB	0.016	26.8883
3	3.539	43220	43727	BB	0.016	12.3866
4	3.574	19924	23061	BB	0.014	5.7100
5	3.622	45309	6241	BB	0.121	12.9854
6	3.657	5403	8569	BB	0.011	1.5484
7	3.714	21593	21804	BB	0.017	6.1886
8	3.746	42615	76512	BB	0.009	12.2132
9	3.793	2439	2716	BB	0.015	0.6991
10	3.886	16688	35914	BB	0.008	4.7828
11	3.937	6357	4000	BB	0.026	1.8218
12	4.020	11428	20170	BB	0.009	3.2751
13	4.100	4379	2083	BB	0.035	1.2551
14	4.149	5008	9842	BB	0.008	1.4353
15	4.192	1550	1352	BB	0.019	0.4442
16	4.273	3674	5072	BB	0.017	1.0528
17	4.398	1213	2033	BB	0.010	0.3475
18	4.498	747	837	BB	0.015	0.2141
19	4.651	119	344	BB	0.006	0.0340
20	4.780	176	271	BB	0.014	0.0505

21	4.839	577	943	BB	0.014	0.1654
22	5.009	553	777	BB	0.012	0.1586
23	5.195	443	608	BB	0.012	0.1269
24	5.409	458	456	BB	0.022	0.1313
25	5.660	322	289	BB	0.022	0.0923
26	5.942	227	201	BB	0.018	0.0650

Total area = 348925

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Last modified 1/2/15 mwdl | TPHDSL.XLS

Data File Name : C:\HPCHEM\6\DATA\12-31-14\019F0601.D

Operator : mwdl | Page Number : 1

Instrument : GC #6 | Vial Number : 19

Sample Name : 1000 dx2' 43-120 | Injection Number : 1

Run Time Bar Code: | Sequence Line : 6

Acquired on 42004 0.6243056

Report Created on: 02 Jan 15 10:09 AM | Analysis Method : DX1.MTH

Surr / IS	Ret Time window		Area	Avg. Area		
Triacontane						Calibrated
0	>5.50	<5.55	0	1.00E+05		2/1/11
Pentacosane						
3	>4.22	<4.31	3674	1.09E+05		12/31/14
o-Terphenyl						
35	>3.46	<3.54	43220	1.24E+05		12/31/14

Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
1059	>1.6	<4.22	1.05E+07	9.92E+03		12/31/14
NWTPH-DX, start C10 - end C36						
1048	>1.6	<6.0	10651957	1.02E+04		12/31/14
Motor Oil, start C25 - end C36						
24	>4.22	<6.0	153001	6.49E+03		12/31/14
Heavy Oil, start C17 - end C36						
506	>3.0	<6.0	4421953	8.73E+03		12/31/14
C12-C24						
-4	>5.7	<10.45	-34934	9.42E+03		9/25/06
Stoddard, start C8 - end C11						
934	>0.9	<3.0	6501095	6.96E+03		1/8/13
Kerosene, start C8 - end C20						
1621	>0.9	<4.22	10770047	6.65E+03		1/10/13
C24-C38						
0	>10.45	<19.8	-3674	9.42E+03		1/27/11

NWTPH-Dx
MDLs

F&B Project 506112

MDL Results GC6 SUMMARY

(Analyst: Do not enter anything in this worksheet. See instructions.)

SOIL

2 grams of soil extracted into 10 mL solvent no concentration

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.	Date Calculated	Reporting Limit
Diesel	4.62	9.2	23.1	1.54	11.8	13	94	02/10/15	50
Diesel extended	4.66	9.3	23.3	1.55	12.7	13	102	02/10/15	50
Motor Oil	9.4	18.8	47.1	3.14	41.6	50	83	02/10/15	250
Heavy Oil	10.2	20.3	50.8	3.39	43.4	50	87	02/10/15	250
Stoddard solvent	7.46	14.9	37.3	2.49	15.6	13	124	02/10/15	50

20 grams of soil extracted and concentrated into 10 mL solvent

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.	Date Calculated	Reporting Limit
Diesel	0.62	1.23	3.08	0.21	1.71	1.3	137	01/21/15	5
Diesel extended	0.80	1.60	4.00	0.27	1.91	1.3	152	01/21/15	5
Motor Oil	0.61	1.21	3.03	0.20	4.0	5.0	80	02/10/15	25
Heavy Oil	0.64	1.28	3.21	0.21	4.3	5.0	85	02/10/15	25
Stoddard Solvent	0.79	1.57	3.93	0.26	2.0	1	159	02/10/15	5
									500

WATER

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.	Date Calculated	Reporting Limit
Diesel	9.9	19.9	49.7	3.32	29.7	25	119	01/26/15	50
Diesel extended	10.9	21.9	54.7	3.65	30.2	25	121	01/26/15	250
Motor Oil	9.6	19.1	47.8	3.19	74.8	100	75	02/10/15	250
Heavy Oil	11.3	22.6	56.4	3.76	79.4	100	79	02/10/15	250
Stoddard solvent	9.1	18.3	45.7	3.05	28.8	25	115	02/10/15	50

NWTPH-Dx
Sequence Tables

F&B Project 506112

Sequence Table

Inj.	Seq. Line	Cal. Line	Method Name	From Vial	To Vial	Inj/ Vial
FRONT						
	1		BAKEOUT	1	1	2
	2		DX	2	3	1
	3		DX	6	27	1
	4		DX	4	5	1
	5		END	1	1	1
	6		DX	28	39	1
	7		DX	4	5	1
	8		DX	40	46	1
	9		DX	92	93	1
	10		DX	98	99	1
	11		END	1	1	1
REAR						
	1					

MM 6/8

Sample Table

Vial Num.	Sample Name	Sample Amount	Multiplier	ISTD Amount
1	MeCl2			
2	500 MO 44-50D			
3	500 Dx 44-94C			
4	1000 MO 44-151B			
5	1000 Dx 44-172C			
6	506153-01			
7	506153-02			
8	506154-01			
9	506154-02			
10	506155-01			
11	506155-02			
12	506156-01			
13	506156-02			
14	506160-01			
15	506160-02			
16	506161-01			
17	506161-02			
18	506144-02 sg			
19	05-1067 mb sg			
20	05-1067 lcs sg			
21	506144-02 ms sg			
22	506144-02 md sg			
23	506143-02 sg			
24	506143-10 sg			
25	506143-12 sg			
26	506146-07 sg			
27	506146-08 sg			
28	05-1070 mb			
29	05-1070 lcs			
30	05-1070 lcsd			
31	506097-01			
32	506097-02			
33	506097-03			
34	506097-04			

Sample Table

Vial Num.	Sample Name	Sample Amount	Multiplier	ISTD Amount
35	506112-02			
36	506112-03			
37	506113-01			
38	506113-02			
39	506113-03			
40	506169-01			
41	506169-02			
42	506169-03			
43	506179-02			
44	506179-03			
45	506143-14			
46	506167-17			
92	500 MO 44-50D			
93	500 Dx 44-94C			
94	1000 MO 43-24D			
95	1000 Dx 44-94B			
96	HCIDs G/M 39-144			
97	HCIDs Dx 39-46			
98	HCIDw 35-175			
99	HCIDw 35-174			
100	WADF RT 42-181			

NWTPH-Dx
Checklists

F&B Project 506112

Diesel Summary Checklist for GC 6 Date 6/8

Day of Analysis/Morning Checklist

- ☐ QA 1 Processed ____ ☐ QA 2 Processed ____
- ☐ QA 3 Processed ____ ☐ QA 4 Processed ____
- ☑ Same Day Rush samples processed
- ☑ Pull/Check vials
- ☐ Check/Fill rinse vials and solvent
- Y / N Did all Surrogates pass

CCVs

(Check if passed)

☐ ☐	CCV 1	mo	dx
☑ ☑	CCV 2	mo	dx
☐ ☐	CCV 3	mo	dx
☐ ☐	CCV 4	mo	dx
☐ ☐	CCV 5	mo	dx
☐ ☐	CCV 6 ____		____

Data Processing

- Y / N Were all CCVs within 12 hours
- ☐ Reintegrations marked and done
- ☐ Cgrams printed
- ☐ Excel Sheet filled out
- ☐ Macro Run
- ☐ Part Reports finished/Ready for Review

Data Review

- Y / N Reintegrations calculated correctly
- Y / N Excel Sheet Filled out correctly
- Y / N Headers Correct
- Y / N Correct Matrix/Units
- Y / N Was EDD info added
- Y / N Was QC calculated correctly

Same-Day Rush Samples

Samples to be Reanalyzed

Maintenance to be Done

- ☐ Change Liner
- ☐ Change Septa
- ☐ Clip Column
- ☐ ____

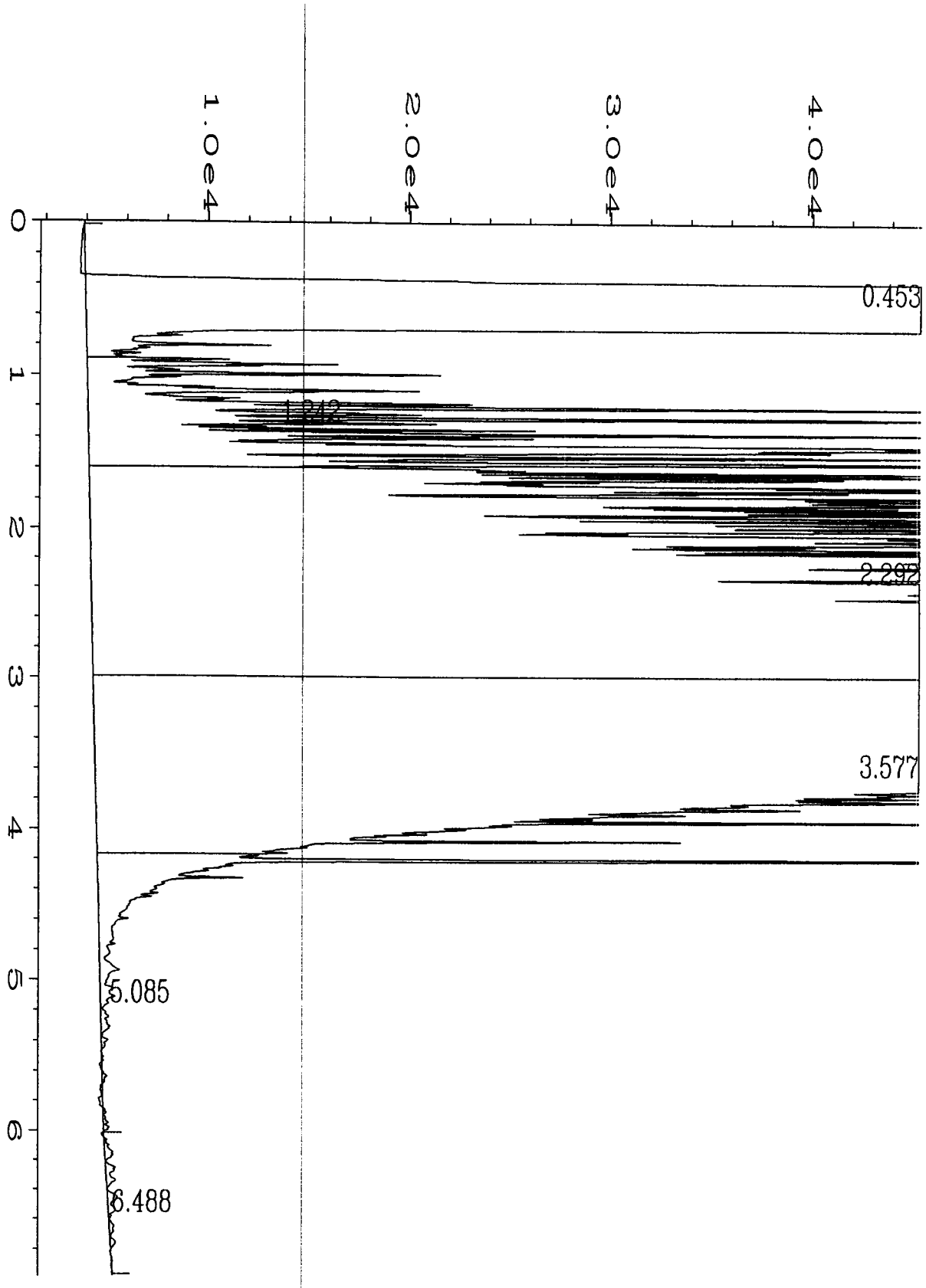
Symptom ____

Date/Time Finished Processing Data Pack 9a 6/9/15

Date/Time Finished Reviewing Data Pack ____

NWTPH-Dx
CCVs

F&B Project 506112



Data File Name	: C:\HPCHEM\6\DATA\06-08-15\005F0401.D		
Operator	: mwdl	Page Number	: 1
Instrument	: GC #6	Vial Number	: 5
Sample Name	: 1000 Dx 44-172C	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 4
Acquired on	: 08 Jun 15 02:31 PM	Instrument Method	: DX.MTH
Report Created on:	08 Jun 15 02:42 PM	Analysis Method	: DX.MTH

Area Percent Report

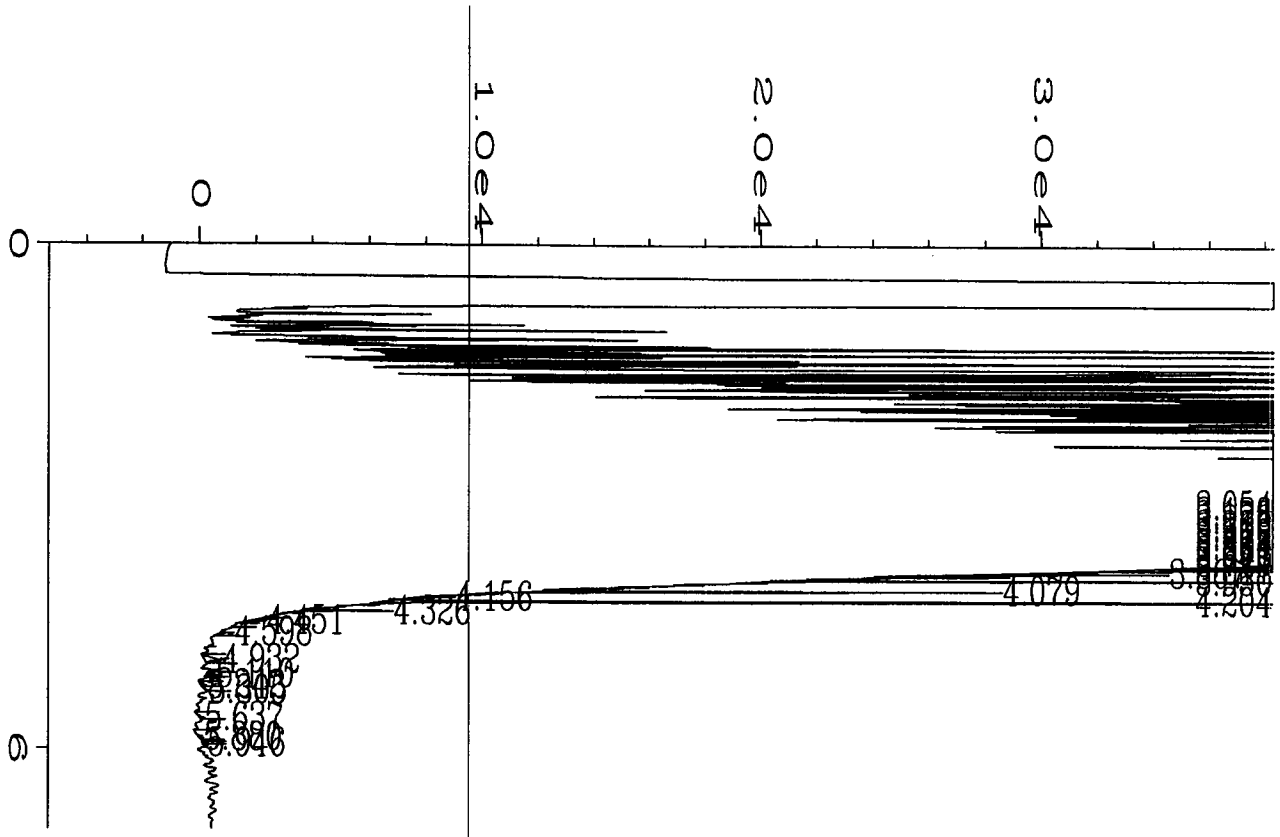
Data File Name : C:\HPCHEM\6\DATA\06-08-15\005F0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 1000 Dx 44-172C
Run Time Bar Code:
Acquired on : 08 Jun 15 02:31 PM
Report Created on: 08 Jun 15 02:42 PM

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 4
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\6\DATA\06-08-15\005F0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.453	1.23128E+009	9.83677E+007	BV +	0.000	99.1097
2	1.242	688186	239311	VVA	0.048	0.0554
3	2.292	5428779	343483	VV +	0.000	0.4370
4	3.577	4697723	334050	VVA	0.234	0.3781
5	5.085	235792	223664	VVA	0.018	0.0190
6	6.488	9542	462	PB +	0.000	0.0008

Total area = 1.24234E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\6\DATA\06-08-15\005R0401.D
Operator : mwdl
Instrument : GC #6
Sample Name : 1000 Dx 44-172C
Run Time Bar Code:
Acquired on : 08 Jun 15 02:31 PM
Report Created on: 08 Jun 15 02:42 PM

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 4
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\6\DATA\06-08-15\005R0401.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.054	191251	250577	BB	0.015	19.0084
2	3.128	9496	27558	BB	0.006	0.9438
3	3.173	26110	29941	BB	0.015	2.5951
4	3.220	98840	233397	BB	0.007	9.8237
5	3.288	29652	10637	BB	0.037	2.9471
6	3.319	26450	21942	BB	0.020	2.6289
7	3.379	106915	217088	BB	0.008	10.6263
8	3.425	123856	246992	BB	0.008	12.3100
9	3.504	36139	24822	BB	0.024	3.5918
10	3.532	74598	148152	BB	0.008	7.4142
11	3.591	9087	9446	BB	0.015	0.9032
12	3.642	15705	16060	BB	0.016	1.5609
13	3.677	55993	112659	BB	0.008	5.5651
14	3.729	10407	6114	BB	0.028	1.0344
15	3.817	33604	68136	BB	0.008	3.3399
16	3.867	7097	7874	BB	0.015	0.7053
17	3.950	17810	36560	BB	0.008	1.7701
18	4.079	8944	17936	BB	0.016	0.8890
19	4.156	479	1216	BB	0.007	0.0476
20	4.204	117873	232384	BB	0.008	11.7154

21	4.326	1437	3221	BB	0.013	0.1429
22	4.451	723	622	BB	0.019	0.0719
23	4.598	314	513	BB	0.017	0.0312
24	4.932	1558	634	BB	0.041	0.1549
25	5.110	457	359	BB	0.020	0.0454
26	5.242	423	226	BB	0.027	0.0420
27	5.305	164	134	BB	0.020	0.0163
28	5.637	272	159	BB	0.025	0.0270
29	5.880	313	155	BB	0.034	0.0311
30	5.946	172	192	BB	0.015	0.0171

Total area = 1006140

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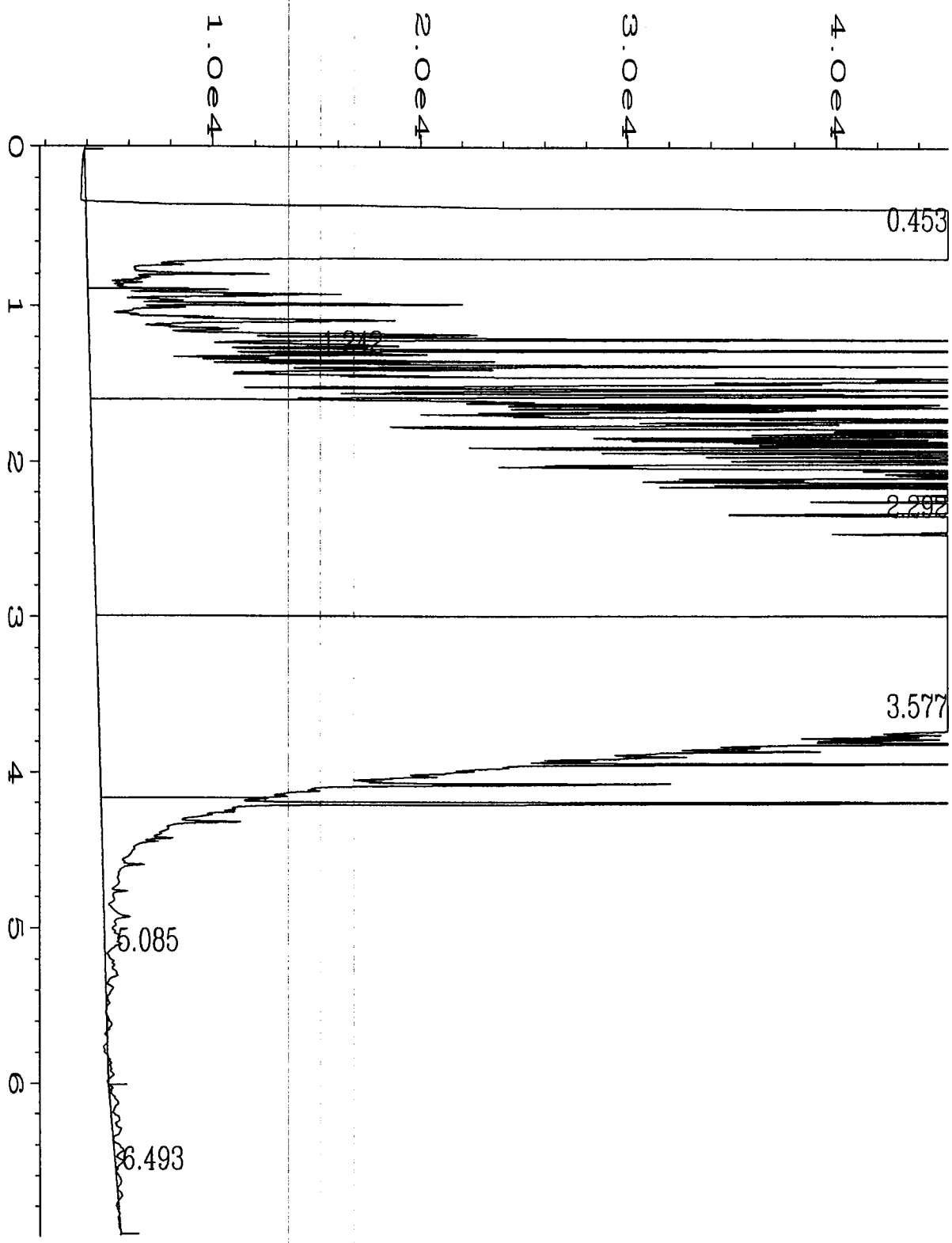
Last modified 4/27/15 mwdl			TPHDSL.XLS				
Data File Name : C:\HPCHEM\6\DATA\06-08-15\005F0401.D							
Operator : mwdl					Page Number	: 1	
Instrument : GC #6					Vial Number	: 5	
Sample Name : 1000 Dx 44-172C					Injection Number	: 1	
Run Time Bar Code:					Sequence Line	: 4	
Acquired on	42163	0.6048611					
Report Created on: 08 Jun 15 02:42 PM					Analysis Method	: DX.MTH	
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>4.86	<4.90	0	1.00E+05		2/1/11	
Pentacosane							
108	>4.16	<4.3	117873	1.09E+05		12/31/14	
o-Terphenyl							
100	>3.38	<3.47	123856	1.24E+05		12/31/14	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
1009	>1.59	<4.16	1.00E+07	9.92E+03		12/31/14	
NWTPH-DX, start C10 - end C36							
995	>1.59	<6.0	10120565	1.02E+04		12/31/14	
Motor Oil, start C25 - end C36							
18	>4.16	<6.0	117919	6.49E+03		12/31/14	
Heavy Oil, start C17 - end C36							
537	>2.99	<6.0	4691786	8.73E+03		12/31/14	
Mineral Oil							
846	>2.99	<6.0	4691786	5.55E+03		1/8/15	
Stoddard, start C8 - end C11							
612	>0.89	<2.99	6116965	9.99E+03		1/16/15	
Kerosene, start C8 - end C20							
1609	>0.89	<4.16	10690832	6.65E+03		1/10/13	
C24-C38							
-13	>10.45	<19.8	-117873	9.42E+03		1/27/11	



Data File Name : C:\HPCHEM\6\DATA\06-08-15\005F0701.D
Operator : mwdl
Instrument : GC #6
Sample Name : 1000 Dx 44-172C
Run Time Bar Code:
Acquired on : 08 Jun 15 06:35 PM
Report Created on: 08 Jun 15 06:46 PM

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 7
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

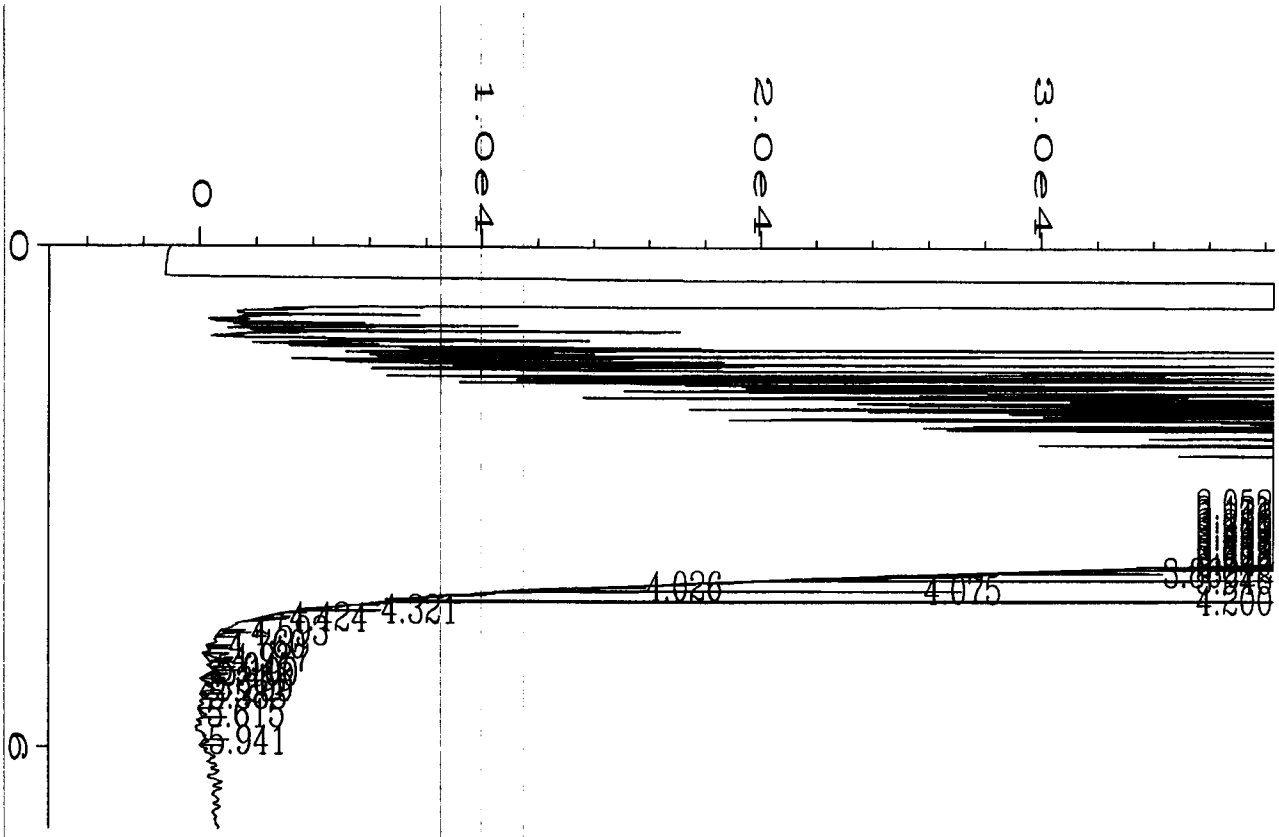
Data File Name : C:\HPCHEM\6\DATA\06-08-15\005F0701.D
Operator : mwdl
Instrument : GC #6
Sample Name : 1000 Dx 44-172C
Run Time Bar Code:
Acquired on : 08 Jun 15 06:35 PM
Report Created on: 08 Jun 15 06:46 PM

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 7
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\6\DATA\06-08-15\005F0701.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.453	1.1919E+009	9.7419E+007	BV +	0.000	99.1046
2	1.242	665371	229955	VVA	0.048	0.0553
3	2.292	5288912	333287	VV +	0.000	0.4398
4	3.577	4572601	324270	VVA	0.235	0.3802
5	5.085	233117	247182	VV +	0.000	0.0194
6	6.493	8293	417	PB +	0.000	0.0007

Total area = 1.20267E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\6\DATA\06-08-15\005R0701.D
Operator : mwdl
Instrument : GC #6
Sample Name : 1000 Dx 44-172C
Run Time Bar Code:
Acquired on : 08 Jun 15 06:35 PM
Report Created on: 08 Jun 15 06:46 PM

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 7
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\6\DATA\06-08-15\005R0701.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.052	197603	234297	BB	0.015	19.9887
2	3.127	2990	24085	BB	0.002	0.3025
3	3.171	21174	26733	BB	0.013	2.1418
4	3.218	99621	225120	BB	0.007	10.0772
5	3.286	42029	11914	BB	0.046	4.2515
6	3.333	23745	15790	BB	0.025	2.4019
7	3.377	103898	193019	BB	0.009	10.5099
8	3.422	120670	275558	BB	0.012	12.2065
9	3.501	24133	21514	BB	0.019	2.4412
10	3.527	69608	142420	BB	0.008	7.0413
11	3.589	6899	7510	BB	0.017	0.6979
12	3.638	14707	15240	BB	0.016	1.4877
13	3.673	53528	112153	BB	0.008	5.4146
14	3.726	8074	6573	BB	0.020	0.8168
15	3.812	35366	62142	BB	0.009	3.5774
16	3.862	6478	8307	BB	0.014	0.6552
17	3.946	20218	34957	BB	0.014	2.0452
18	4.026	2987	2305	BB	0.022	0.3022
19	4.075	11239	17510	BB	0.011	1.1369
20	4.200	114384	249777	BB	0.008	11.5706

21	4.321	1087	2765	BB	0.012	0.1099
22	4.424	1193	1206	BB	0.016	0.1207
23	4.593	1059	1155	BB	0.018	0.1071
24	4.760	519	755	BB	0.011	0.0525
25	4.927	1574	850	BB	0.031	0.1592
26	5.045	182	149	BB	0.020	0.0184
27	5.100	684	381	BB	0.025	0.0691
28	5.211	171	147	BB	0.017	0.0173
29	5.299	1407	427	BB	0.043	0.1423
30	5.383	429	239	BB	0.031	0.0434
31	5.615	454	170	BB	0.041	0.0459
32	5.941	465	210	BB	0.037	0.0470

Total area = 988573

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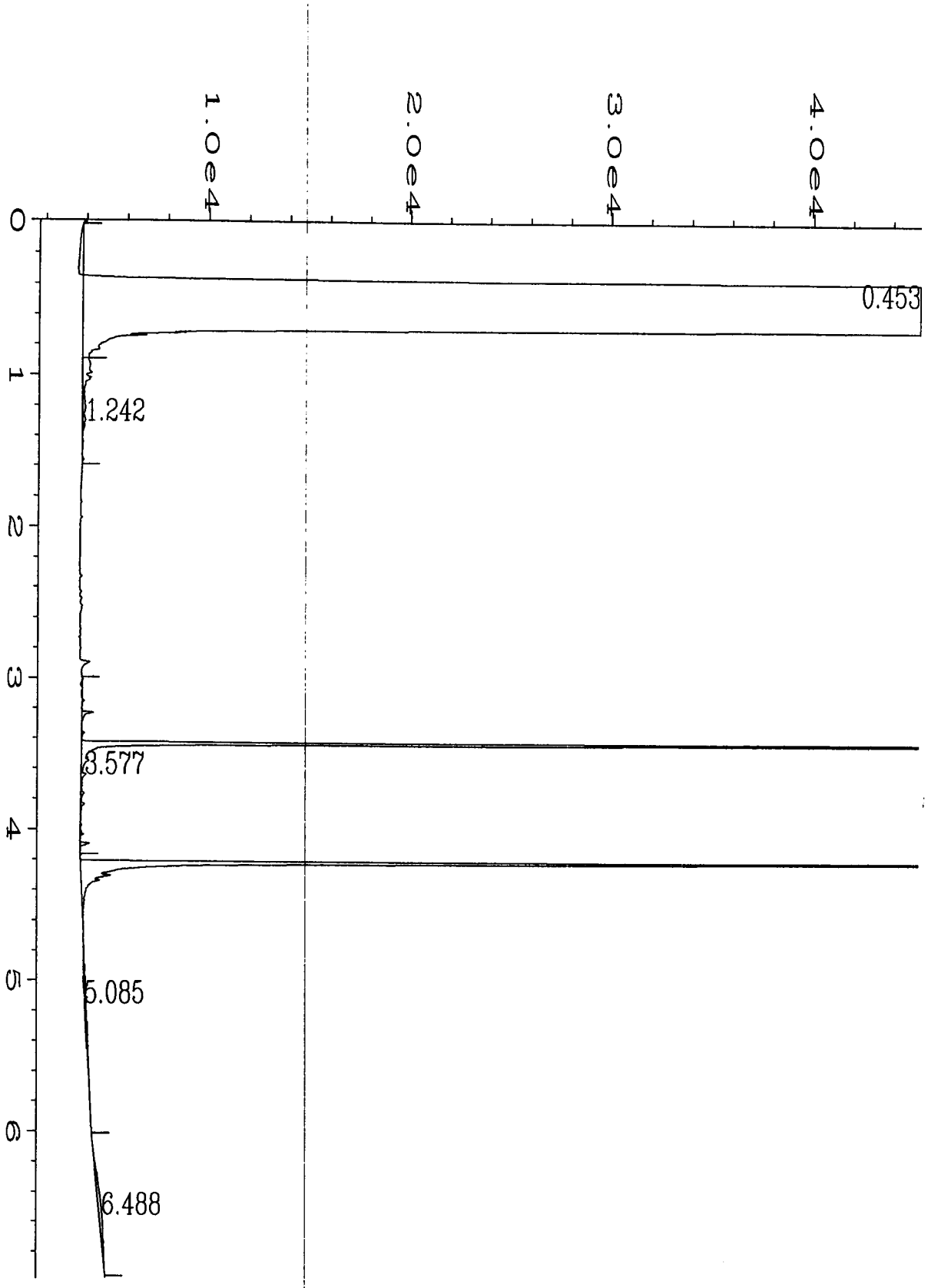
Last modified 4/27/15 mwdl			TPHDSL.XLS				
Data File Name : C:\HPCHEM\6\DATA\06-08-15\005F0701.D							
Operator : mwdl					Page Number : 1		
Instrument : GC #6					Vial Number : 5		
Sample Name : 1000 Dx 44-172C					Injection Number : 1		
Run Time Bar Code:					Sequence Line : 7		
Acquired on	42163	0.7743056					
Report Created on: 08 Jun 15 06:46 PM					Analysis Method : DX.MTH		
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>4.86	<4.90	0	1.00E+05		2/1/11	
Pentacosane							
105	>4.16	<4.3	114384	1.09E+05		12/31/14	
o-Terphenyl							
98	>3.38	<3.47	120670	1.24E+05		12/31/14	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
982	>1.59	<4.16	9.74E+06	9.92E+03		12/31/14	
NWTPH-DX, start C10 - end C36							
970	>1.59	<6.0	9859576	1.02E+04		12/31/14	
Motor Oil, start C25 - end C36							
18	>4.16	<6.0	118733	6.49E+03		12/31/14	
Heavy Oil, start C17 - end C36							
523	>2.99	<6.0	4570664	8.73E+03		12/31/14	
Mineral Oil							
824	>2.99	<6.0	4570664	5.55E+03		1/8/15	
Stoddard, start C8 - end C11							
596	>0.89	<2.99	5954283	9.99E+03		1/16/15	
Kerosene, start C8 - end C20							
1566	>0.89	<4.16	10406214	6.65E+03		1/10/13	
C24-C38							
-12	>10.45	<19.8	-114384	9.42E+03		1/27/11	

NWTPH-Dx
Quality Assurance Data

F&B Project 506112



Data File Name : C:\HPCHEM\6\DATA\06-08-15\028F0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 05-1070 mb
Run Time Bar Code:
Acquired on : 08 Jun 15 04:14 PM
Report Created on: 08 Jun 15 04:22 PM

Page Number : 1
Vial Number : 28
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

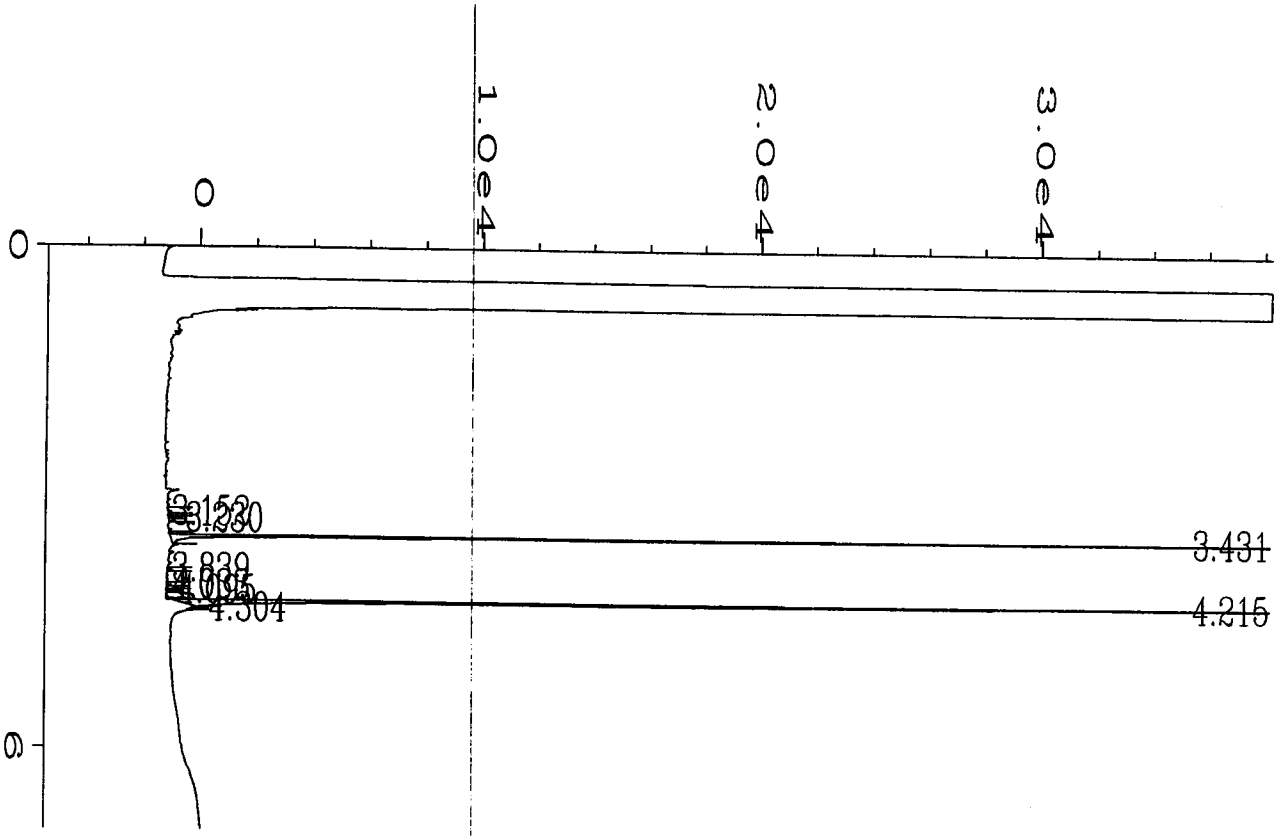
Data File Name : C:\HPCHEM\6\DATA\06-08-15\028F0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 05-1070 mb
Run Time Bar Code:
Acquired on : 08 Jun 15 04:14 PM
Report Created on: 08 Jun 15 04:22 PM

Page Number : 1
Vial Number : 28
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\6\DATA\06-08-15\028F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.453	1.23103E+009	1.02473E+008	BVA	0.200	99.9817
2	1.242	5401	472	VB +	0.000	0.0004
3	3.577	117591	206582	BV +	0.000	0.0096
4	5.085	97920	151023	PB +	0.000	0.0080
5	6.488	4293	340	BB +	0.000	0.0003

Total area = 1.23125E+009



Area Percent Report

Data File Name : C:\HPCHEM\6\DATA\06-08-15\028R0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 05-1070 mb
Run Time Bar Code:
Acquired on : 08 Jun 15 04:14 PM
Report Created on: 08 Jun 15 04:22 PM

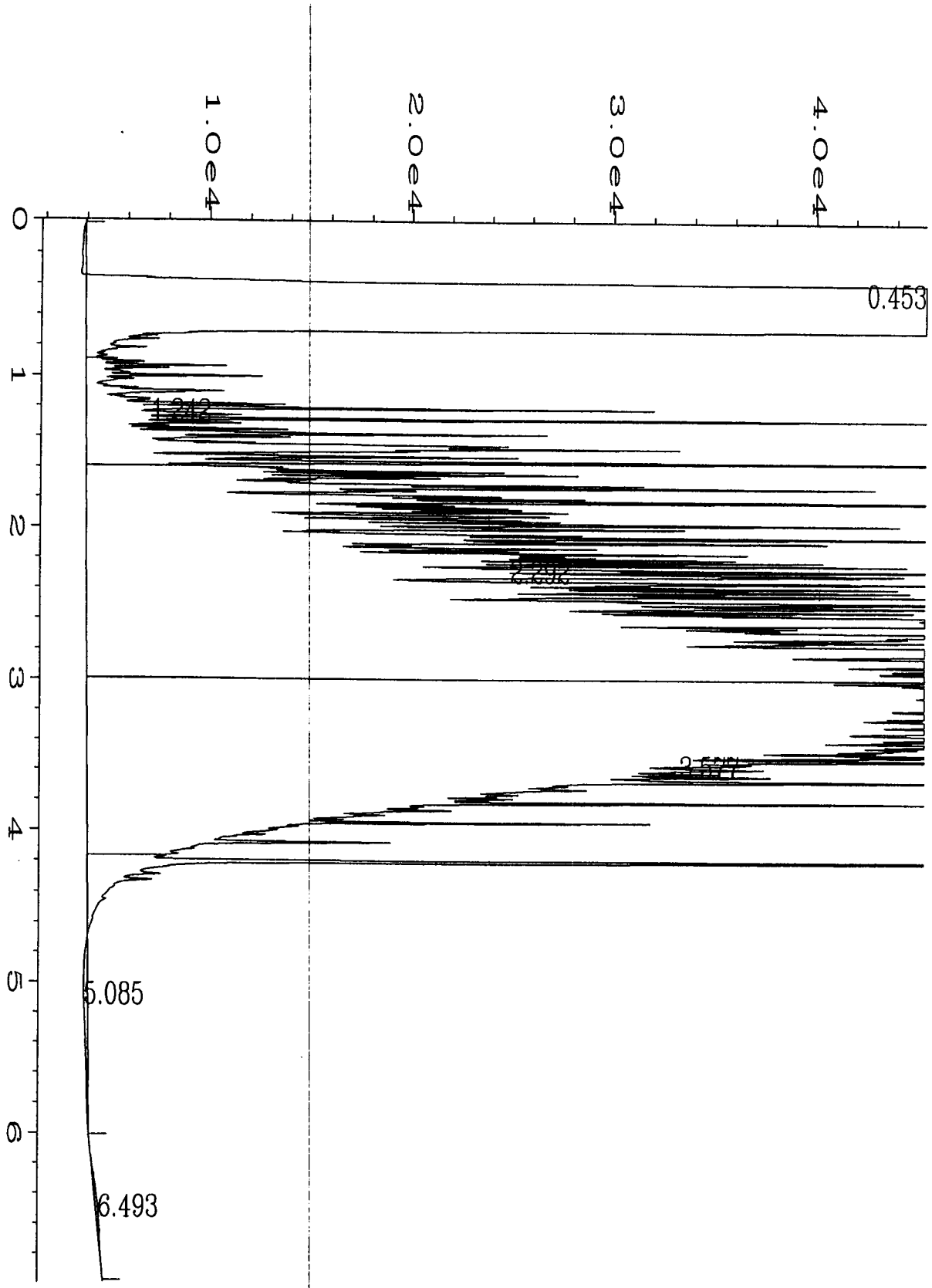
Page Number : 1
Vial Number : 28
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\6\DATA\06-08-15\028R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.152	135	140	BB	0.016	0.0648
2	3.230	546	574	BB	0.020	0.2622
3	3.431	113026	224633	BB	0.008	54.2684
4	3.839	191	150	BB	0.020	0.0916
5	4.033	163	183	BB	0.015	0.0781
6	4.095	440	499	BB	0.016	0.2111
7	4.215	93270	163198	BB	0.020	44.7827
8	4.304	502	563	BB	0.015	0.2410

Total area = 208272

Last modified 4/27/15 mwdl			TPHDSL.XLS			
Data File Name : C:\HPCHEM\6\DATA\06-08-15\028F0601.D						
Operator : mwdl				Page Number : 1		
Instrument : GC #6				Vial Number : 28		
Sample Name : 05-1070 mb				Injection Number : 1		
Run Time Bar Code:				Sequence Line : 6		
Acquired on	42163	0.6763889				
Report Created on: 08 Jun 15 04:22 PM				Analysis Method : DX.MTH		
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**		
Triacontane						Calibrated
0	>4.86	<4.90	0	1.00E+05		2/1/11
Pentacosane						
85	>4.16	<4.3	93270	1.09E+05		12/31/14
o-Terphenyl						
91	>3.38	<3.47	113026	1.24E+05		12/31/14
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
0	>1.59	<4.16	4.57E+03	9.92E+03		12/31/14
NWTPH-DX, start C10 - end C36						
1	>1.59	<6.0	9215	1.02E+04		12/31/14
Motor Oil, start C25 - end C36						
1	>4.16	<6.0	4650	6.49E+03		12/31/14
Heavy Oil, start C17 - end C36						
1	>2.99	<6.0	9215	8.73E+03		12/31/14
Mineral Oil						
2	>2.99	<6.0	9215	5.55E+03		1/8/15
Stoddard, start C8 - end C11						
1	>0.89	<2.99	5401	9.99E+03		1/16/15
Kerosene, start C8 - end C20						
1	>0.89	<4.16	9966	6.65E+03		1/10/13
C24-C38						
-10	>10.45	<19.8	-93270	9.42E+03		1/27/11



Data File Name	: C:\HPCHEM\6\DATA\06-08-15\029F0601.D		
Operator	: mwdl	Page Number	: 1
Instrument	: GC #6	Vial Number	: 29
Sample Name	: 05-1070 lcs	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 6
Acquired on	: 08 Jun 15 04:23 PM	Instrument Method	: DX.MTH
Report Created on	: 08 Jun 15 04:33 PM	Analysis Method	: DX.MTH

Area Percent Report

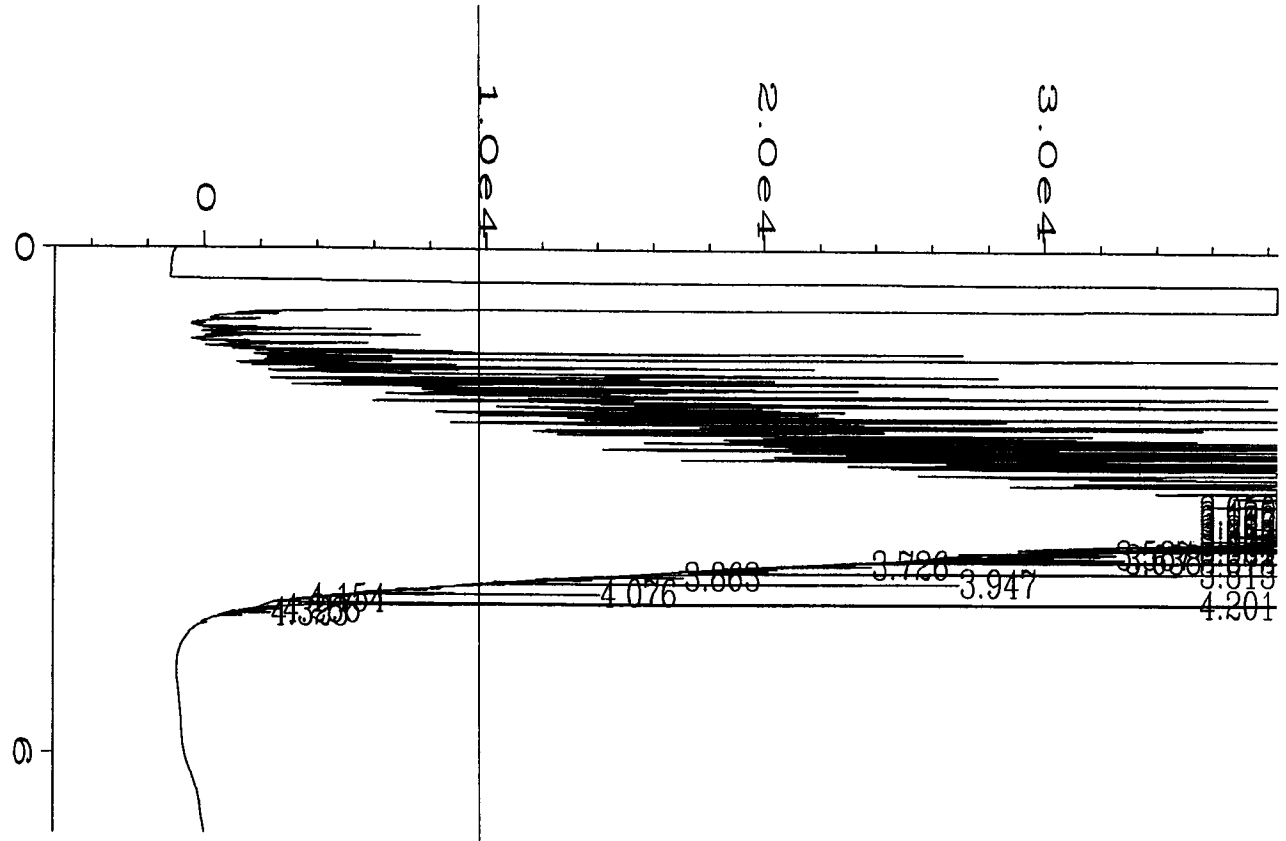
Data File Name : C:\HPCHEM\6\DATA\06-08-15\029F0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 05-1070 lcs
Run Time Bar Code:
Acquired on : 08 Jun 15 04:23 PM
Report Created on: 08 Jun 15 04:33 PM

Page Number : 1
Vial Number : 29
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\6\DATA\06-08-15\029F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.453	1.30797E+009	1.01227E+008	BVA	0.215	99.5797
2	1.242	304638	103889	VVA	0.049	0.0232
3	2.292	2635221	167387	VV +	0.000	0.2006
4	3.577	2437951	287479	VVA	0.141	0.1856
5	5.085	139244	192380	VV +	0.000	0.0106
6	6.493	3302	348	PB +	0.000	0.0003

Total area = 1.31349E+009



Area Percent Report

Data File Name : C:\HPCHEM\6\DATA\06-08-15\029R0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 05-1070 lcs
Run Time Bar Code:
Acquired on : 08 Jun 15 04:23 PM
Report Created on: 08 Jun 15 04:33 PM

Page Number : 1
Vial Number : 29
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\6\DATA\06-08-15\029R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.050	78786	141072	BB	0.012	13.5244
2	3.125	953	12687	BB	0.001	0.1636
3	3.169	10085	13607	BB	0.012	1.7311
4	3.216	48780	125431	BB	0.006	8.3736
5	3.284	13399	6250	BB	0.030	2.3001
6	3.333	13210	8168	BB	0.022	2.2676
7	3.375	53769	98699	BB	0.009	9.2300
8	3.422	120390	271920	BB	0.012	20.6661
9	3.501	15519	10173	BB	0.025	2.6640
10	3.527	37502	81206	BB	0.008	6.4375
11	3.587	5647	5185	BB	0.018	0.9694
12	3.638	7696	7807	BB	0.016	1.3210
13	3.673	27330	55591	BB	0.008	4.6915
14	3.726	3589	3931	BB	0.015	0.6162
15	3.813	17721	31504	BB	0.009	3.0420
16	3.863	3943	4100	BB	0.016	0.6768
17	3.947	9166	17869	BB	0.009	1.5734
18	4.076	4317	8963	BB	0.014	0.7411
19	4.154	330	497	BB	0.011	0.0566
20	4.201	108320	202742	BB	0.009	18.5942

21	4.286	962	1388	BB	0.012	0.1652
22	4.323	1133	1541	BB	0.012	0.1946

Total area - 582548

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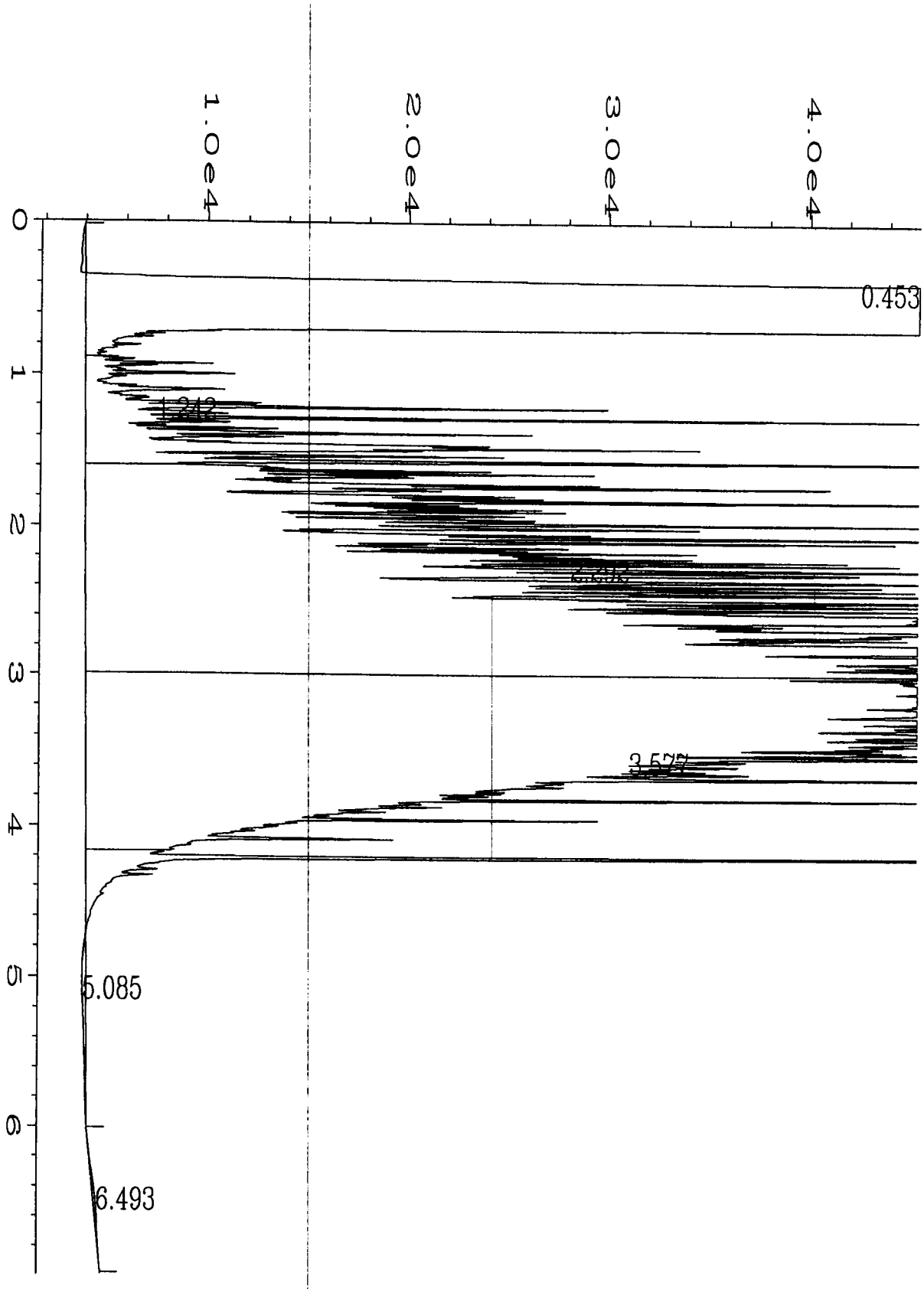
Last modified 4/27/15 mwdl			TPHDSL.XLS				
Data File Name : C:\HPCHEM\6\DATA\06-08-15\029F0601.D							
Operator : mwdl				Page Number : 1			
Instrument : GC #6				Vial Number : 29			
Sample Name : 05-1070 lcs				Injection Number : 1			
Run Time Bar Code:				Sequence Line : 6			
Acquired on	42163	0.6826389					
Report Created on: 08 Jun 15 04:33 PM				Analysis Method : DX.MTH			
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>4.86	<4.90	0	1.00E+05		2/1/11	
Pentacosane							
99	>4.16	<4.3	108320	1.09E+05		12/31/14	
o-Terphenyl							
97	>3.38	<3.47	120390	1.24E+05		12/31/14	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
499	>1.59	<4.16	4.95E+06	9.92E+03		12/31/14	
NWTPH-DX, start C10 - end C36							
490	>1.59	<6.0	4983706	1.02E+04		12/31/14	
Motor Oil, start C25 - end C36							
5	>4.16	<6.0	30924	6.49E+03		12/31/14	
Heavy Oil, start C17 - end C36							
269	>2.99	<6.0	2348485	8.73E+03		12/31/14	
Mineral Oil							
423	>2.99	<6.0	2348485	5.55E+03		1/8/15	
Stoddard, start C8 - end C11							
294	>0.89	<2.99	2939859	9.99E+03		1/16/15	
Kerosene, start C8 - end C20							
791	>0.89	<4.16	5257420	6.65E+03		1/10/13	
C24-C38							
-12	>10.45	<19.8	-108320	9.42E+03		1/27/11	



Data File Name : C:\HPCHEM\6\DATA\06-08-15\030F0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 05-1070 lcsd
Run Time Bar Code:
Acquired on : 08 Jun 15 04:34 PM
Report Created on: 08 Jun 15 04:44 PM

Page Number : 1
Vial Number : 30
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

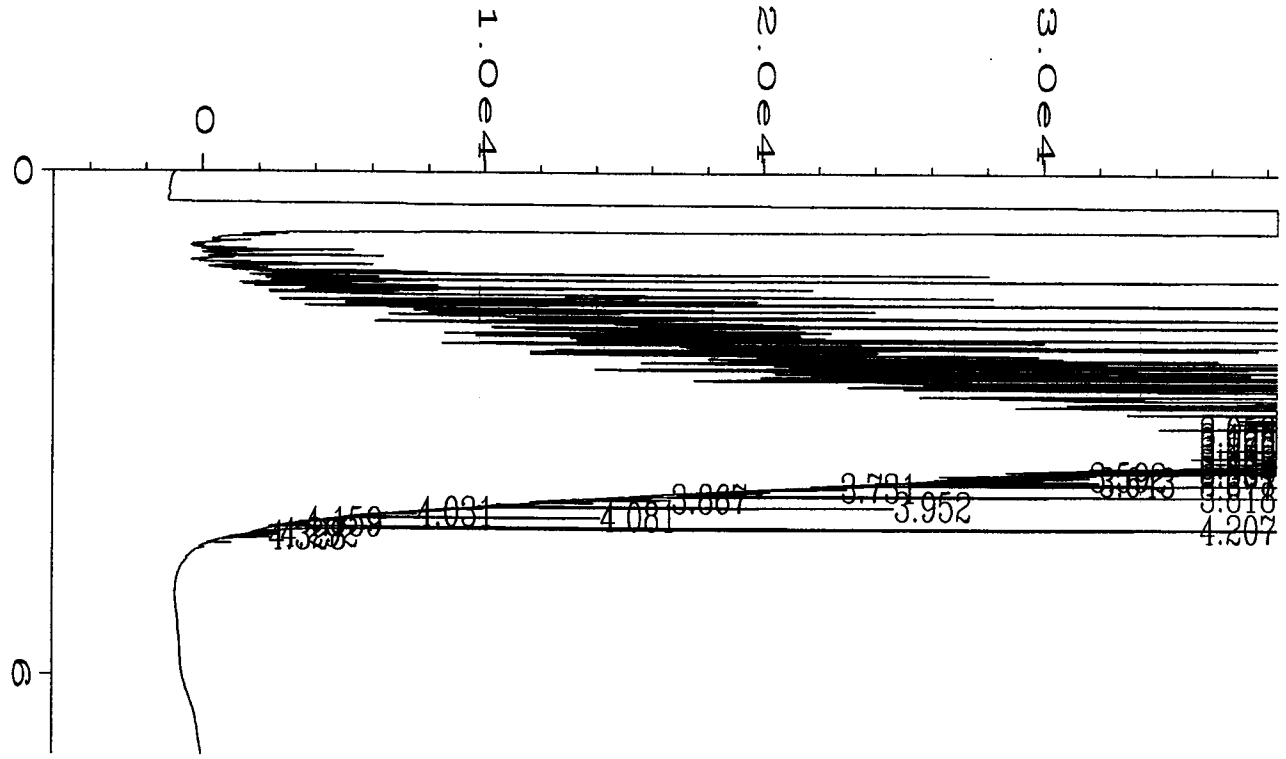
Data File Name : C:\HPCHEM\6\DATA\06-08-15\030F0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 05-1070 lcsd
Run Time Bar Code:
Acquired on : 08 Jun 15 04:34 PM
Report Created on: 08 Jun 15 04:44 PM

Page Number : 1
Vial Number : 30
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\6\DATA\06-08-15\030F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.453	1.27086E+009	1.00549E+008	BV +	0.000	99.5731
2	1.242	302928	101225	VVA	0.050	0.0237
3	2.292	2589033	159800	VV +	0.000	0.2029
4	3.577	2415155	275462	VVA	0.146	0.1892
5	5.085	138980	204655	VV +	0.000	0.0109
6	6.493	2926	335	PB +	0.000	0.0002

Total area = 1.27631E+009



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Area Percent Report

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Data File Name : C:\HPCHEM\6\DATA\06-08-15\030R0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 05-1070 lcsd
Run Time Bar Code:
Acquired on : 08 Jun 15 04:34 PM
Report Created on: 08 Jun 15 04:44 PM

Page Number : 1
Vial Number : 30
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\6\DATA\06-08-15\030R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.053	101874	128830	BB	0.015	16.8394
2	3.128	4609	14432	BB	0.005	0.7619
3	3.173	13433	15239	BB	0.015	2.2205
4	3.220	50199	123941	BB	0.007	8.2978
5	3.290	18726	4912	BB	0.049	3.0954
6	3.380	54574	100960	BB	0.009	9.0209
7	3.426	119327	254971	BB	0.012	19.7244
8	3.504	16415	9935	BB	0.028	2.7134
9	3.531	37250	72608	BB	0.009	6.1574
10	3.592	4294	4311	BB	0.017	0.7097
11	3.643	6525	6603	BB	0.016	1.0786
12	3.677	26641	54703	BB	0.008	4.4037
13	3.731	3714	2932	BB	0.021	0.6140
14	3.818	18776	31514	BB	0.010	3.1037
15	3.867	3865	3890	BB	0.017	0.6389
16	3.952	8984	16458	BB	0.009	1.4851
17	4.031	2208	984	BB	0.037	0.3649
18	4.081	4942	9508	BB	0.009	0.8169
19	4.159	182	472	BB	0.006	0.0301
20	4.207	106445	213025	BB	0.016	17.5950

21	4.292	938	1401	BB	0.011	0.1550
22	4.328	1049	1549	BB	0.011	0.1734

Total area = 604972

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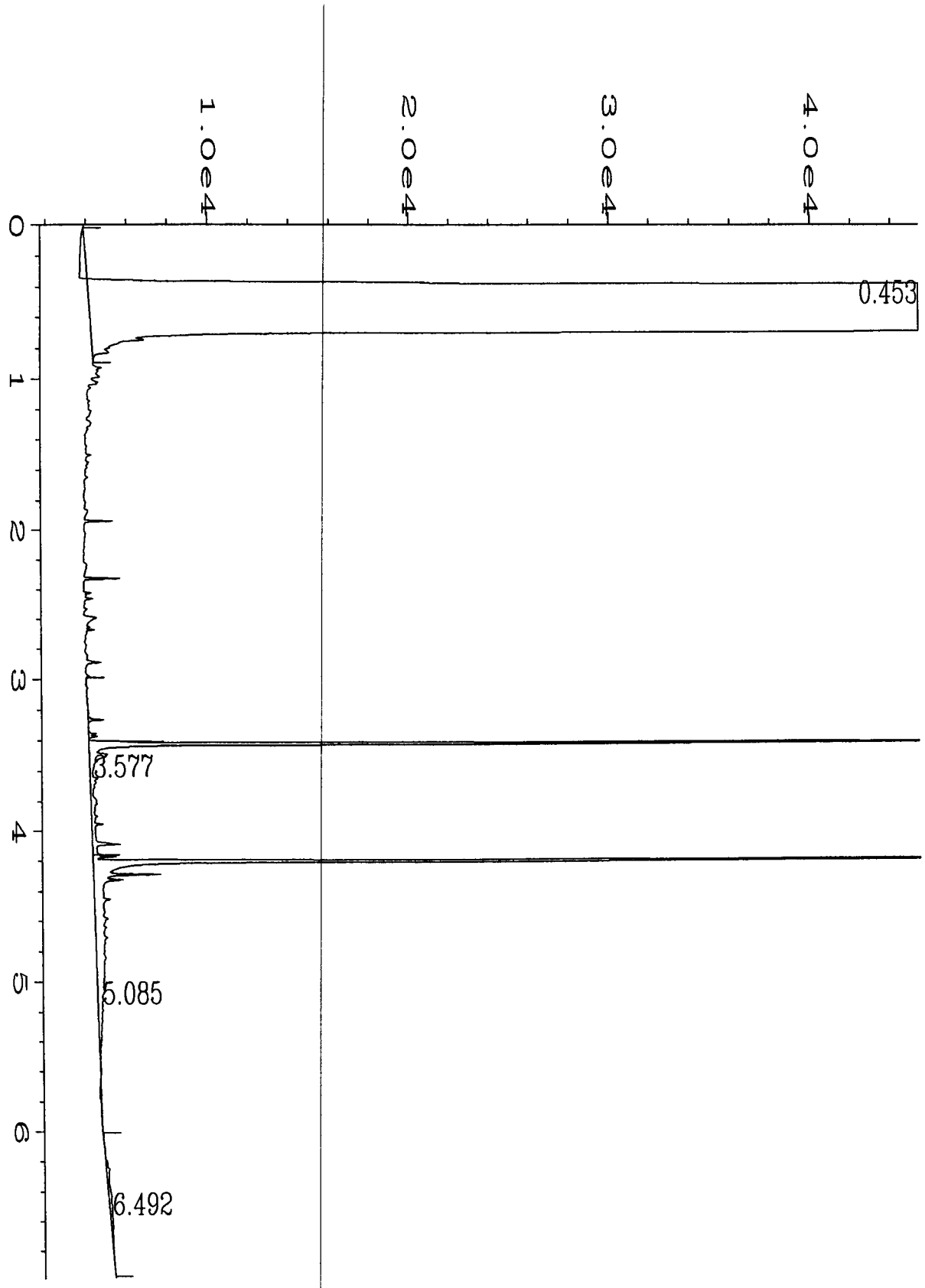
Last modified 4/27/15 mwdl			TPHDSL.XLS				
Data File Name : C:\HPCHEM\6\DATA\06-08-15\030F0601.D							
Operator : mwdl					Page Number : 1		
Instrument : GC #6					Vial Number : 30		
Sample Name : 05-1070 lcsd					Injection Number : 1		
Run Time Bar Code:					Sequence Line : 6		
Acquired on	42163	0.6902778					
Report Created on: 08 Jun 15 04:44 PM					Analysis Method : DX.MTH		
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**			
Triacontane						Calibrated	
0	>4.86	<4.90	0	1.00E+05		2/1/11	
Pentacosane							
98	>4.16	<4.3	106445	1.09E+05		12/31/14	
o-Terphenyl							
97	>3.38	<3.47	119327	1.24E+05		12/31/14	
Results			Area	Resp. factor		Calibrated	
Diesel, start C10 - start C25							
493	>1.59	<4.16	4.88E+06	9.92E+03		12/31/14	
NWTPH-DX, start C10 - end C36							
484	>1.59	<6.0	4917396	1.02E+04		12/31/14	
Motor Oil, start C25 - end C36							
5	>4.16	<6.0	32535	6.49E+03		12/31/14	
Heavy Oil, start C17 - end C36							
267	>2.99	<6.0	2328363	8.73E+03		12/31/14	
Mineral Oil							
420	>2.99	<6.0	2328363	5.55E+03		1/8/15	
Stoddard, start C8 - end C11							
290	>0.89	<2.99	2891961	9.99E+03		1/16/15	
Kerosene, start C8 - end C20							
781	>0.89	<4.16	5187789	6.65E+03		1/10/13	
C24-C38							
-11	>10.45	<19.8	-106445	9.42E+03		1/27/11	

NWTPH-Dx
Sample Chromatograms & Data

F&B Project 506112



Data File Name : C:\HPCHEM\6\DATA\06-08-15\035F0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 506112-02
Run Time Bar Code:
Acquired on : 08 Jun 15 05:29 PM
Report Created on: 08 Jun 15 05:39 PM

Page Number : 1
Vial Number : 35
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

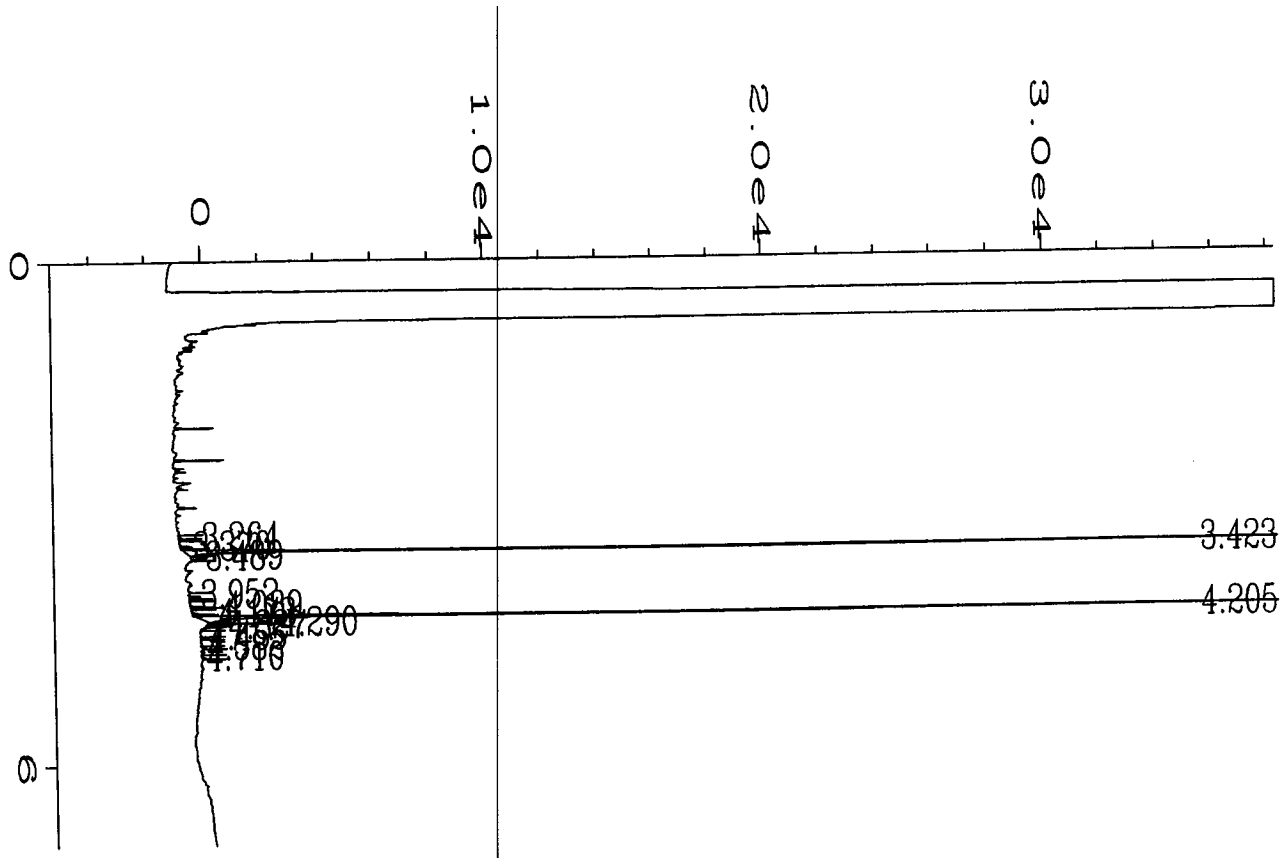
Data File Name : C:\HPCHEM\6\DATA\06-08-15\035F0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 506112-02
Run Time Bar Code:
Acquired on : 08 Jun 15 05:29 PM
Report Created on: 08 Jun 15 05:39 PM

Page Number : 1
Vial Number : 35
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\6\DATA\06-08-15\035F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.453	1.22658E+009	9.911E+007	BB +	0.000	99.9776
2	3.577	135014	250621	PV +	0.000	0.0110
3	5.085	135242	172613	VV +	0.000	0.0110
4	6.492	4111	288	PB +	0.000	0.0003

Total area = 1.22685E+009



Area Percent Report

Data File Name : C:\HPCHEM\6\DATA\06-08-15\035R0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 506112-02
Run Time Bar Code:
Acquired on : 08 Jun 15 05:29 PM
Report Created on: 08 Jun 15 05:39 PM

Page Number : 1
Vial Number : 35
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\6\DATA\06-08-15\035R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.264	656	822	BB	0.017	0.2827
2	3.370	474	456	BB	0.017	0.2041
3	3.423	121937	261445	BB	0.019	52.5195
4	3.489	928	518	BB	0.030	0.3996
5	3.952	241	431	BB	0.009	0.1037
6	4.089	985	1266	BB	0.017	0.4242
7	4.173	602	955	BB	0.011	0.2593
8	4.205	103861	186357	BB	0.009	44.7338
9	4.290	1480	2619	BB	0.009	0.6374
10	4.327	467	833	BB	0.009	0.2012
11	4.455	270	370	BB	0.012	0.1164
12	4.582	142	179	BB	0.013	0.0611
13	4.710	132	155	BB	0.014	0.0570

Total area = 232175

Last modified 4/27/15 mwdl

TPHDSL.XLS

Data File Name : C:\HPCHEM\6\DATA\06-08-15\035F0601.D

Operator : mwdl

Page Number : 1

Instrument : GC #6

Vial Number : 35

Sample Name : 506112-02

Injection Number : 1

Run Time Bar Code:

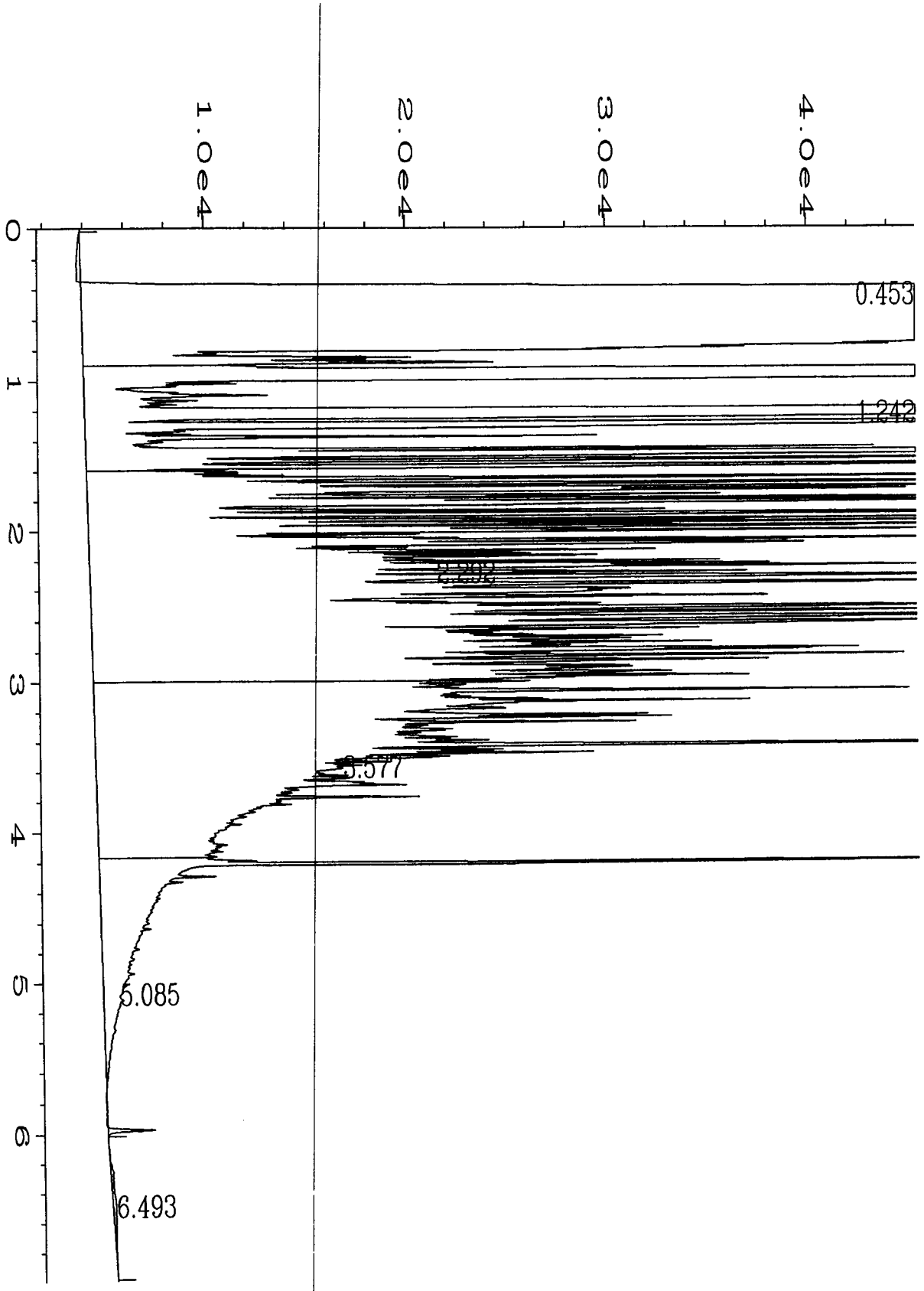
Sequence Line : 6

Acquired on 42163 0.7284722

Report Created on: 08 Jun 15 05:39 PM

Analysis Method : DX.MTH

Surr / IS	Ret Time window		Area	Avg. Area		Calibrated
Triacontane						
0	>4.86	<4.90	0	1.00E+05		2/1/11
Pentacosane						
95	>4.16	<4.3	103861	1.09E+05		12/31/14
o-Terphenyl						
99	>3.38	<3.47	121937	1.24E+05		12/31/14
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
1	>1.59	<4.16	1.31E+04	9.92E+03		12/31/14
NWTPH-DX, start C10 - end C36						
4	>1.59	<6.0	44458	1.02E+04		12/31/14
Motor Oil, start C25 - end C36						
5	>4.16	<6.0	31381	6.49E+03		12/31/14
Heavy Oil, start C17 - end C36						
5	>2.99	<6.0	44458	8.73E+03		12/31/14
Mineral Oil						
8	>2.99	<6.0	44458	5.55E+03		1/8/15
Stoddard, start C8 - end C11						
0	>0.89	<2.99	0	9.99E+03		1/16/15
Kerosene, start C8 - end C20						
2	>0.89	<4.16	13077	6.65E+03		1/10/13
C24-C38						
-11	>10.45	<19.8	-103861	9.42E+03		1/27/11



Data File Name : C:\HPCHEM\6\DATA\06-08-15\036F0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 506112-03
Run Time Bar Code:
Acquired on : 08 Jun 15 05:40 PM
Report Created on: 08 Jun 15 05:50 PM

Page Number : 1
Vial Number : 36
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Area Percent Report

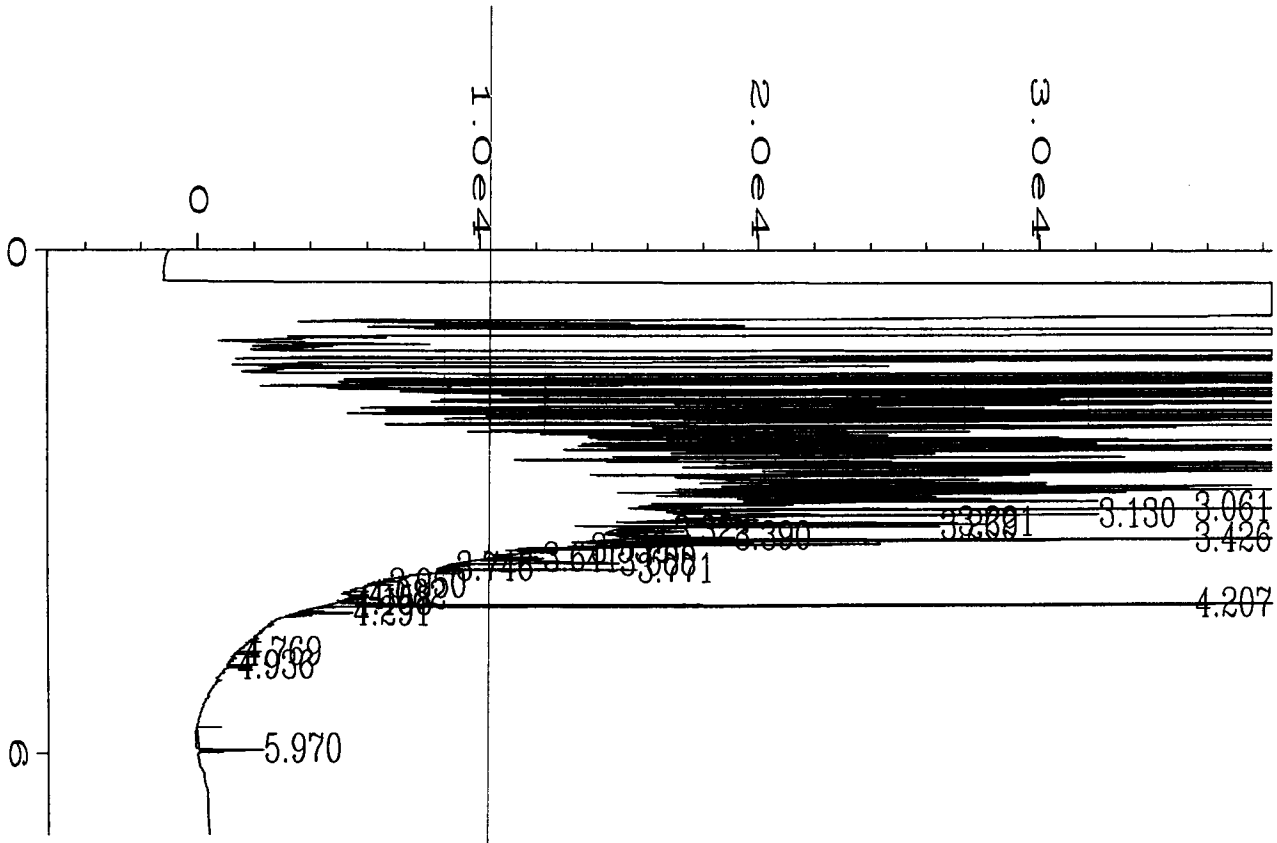
Data File Name : C:\HPCHEM\6\DATA\06-08-15\036F0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 506112-03
Run Time Bar Code:
Acquired on : 08 Jun 15 05:40 PM
Report Created on: 08 Jun 15 05:50 PM

Page Number : 1
Vial Number : 36
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

Sig. 1 in C:\HPCHEM\6\DATA\06-08-15\036F0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.453	1.22499E+009	9.85821E+007	BVA	0.207	99.0229
2	1.242	8591436	5295954	VVA	0.027	0.6945
3	2.292	2232641	181187	VVA	0.205	0.1805
4	3.577	1019219	250277	VVA	0.068	0.0824
5	5.085	240542	181393	VVA	0.022	0.0194
6	6.493	3737	201	PB +	0.000	0.0003

Total area = 1.23708E+009



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Area Percent Report

==========

Data File Name : C:\HPCHEM\6\DATA\06-08-15\036R0601.D
Operator : mwdl
Instrument : GC #6
Sample Name : 506112-03
Run Time Bar Code:
Acquired on : 08 Jun 15 05:40 PM
Report Created on: 08 Jun 15 05:51 PM

Page Number : 1
Vial Number : 36
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : istnddx.MTH

Sig. 2 in C:\HPCHEM\6\DATA\06-08-15\036R0601.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.061	16284	24437	BB	0.011	5.9423
2	3.130	13581	15472	BB	0.015	4.9562
3	3.221	4332	9895	BB	0.007	1.5808
4	3.269	5624	11109	BB	0.008	2.0524
5	3.322	2379	2519	BB	0.016	0.8682
6	3.390	5239	4051	BB	0.022	1.9117
7	3.426	110343	247696	BB	0.007	40.2668
8	3.532	3119	2617	BB	0.020	1.1383
9	3.641	1963	1985	BB	0.020	0.7164
10	3.688	7640	6257	BB	0.020	2.7880
11	3.746	1075	555	BB	0.032	0.3922
12	3.771	4197	7497	BB	0.009	1.5316
13	3.950	501	727	BB	0.011	0.1830
14	4.082	640	720	BB	0.015	0.2336
15	4.158	304	420	BB	0.012	0.1110
16	4.207	93824	184764	BB	0.018	34.2387
17	4.291	1165	2179	BB	0.009	0.4252
18	4.769	229	304	BB	0.013	0.0836
19	4.936	248	355	BB	0.012	0.0904
20	5.970	1341	2306	BBA	0.017	0.4894

Last modified 4/27/15 mwdl			TPHDSL.XLS			
Data File Name : C:\HPCHEM\6\DATA\06-08-15\036F0601.D						
Operator : mwdl				Page Number : 1		
Instrument : GC #6				Vial Number : 36		
Sample Name : 506112-03				Injection Number : 1		
Run Time Bar Code:				Sequence Line : 6		
Acquired on	42163	0.7361111				
Report Created on: 08 Jun 15 05:50 PM				Analysis Method : DX.MTH		
Surr / IS	**Ret Time window**		**Area**	**Avg. Area**		
Triacontane						Calibrated
0	>4.86	<4.90	0	1.00E+05		2/1/11
Pentacosane						
86	>4.16	<4.3	93824	1.09E+05		12/31/14
o-Terphenyl						
89	>3.38	<3.47	110343	1.24E+05		12/31/14
Results			Area	Resp. factor		Calibrated
Diesel, start C10 - start C25						
317	>1.59	<4.16	3.14E+06	9.92E+03		12/31/14
NWTPH-DX, start C10 - end C36						
323	>1.59	<6.0	3288235	1.02E+04		12/31/14
Motor Oil, start C25 - end C36						
23	>4.16	<6.0	146718	6.49E+03		12/31/14
Heavy Oil, start C17 - end C36						
121	>2.99	<6.0	1055594	8.73E+03		12/31/14
Mineral Oil						
190	>2.99	<6.0	1055594	5.55E+03		1/8/15
Stoddard, start C8 - end C11						
1084	>0.89	<2.99	10824077	9.99E+03		1/16/15
Kerosene, start C8 - end C20						
1766	>0.89	<4.16	11732953	6.65E+03		1/10/13
C24-C38						
-10	>10.45	<19.8	-93824	9.42E+03		1/27/11

EPA 8260C
Laboratory Worksheets

F&B Project 506112

VOC EXTRACTION WORKSHEET (WATER)

HT_____

Project #: 506112
Client: Ecology & Env.
QC Batch ID: OS-1257
Samples checked against COC SB

Date Received: 6/4/15
Date Extracted: 6/9/15 SB
Date Analyzed: 6/10
GCMS ~~☐4~~ ~~☒7~~ ☐9, Seq. Date ✓ SB 6/9

Analysis Method:
- ☒ 8260
- ☐ 8260 SIM ☐8260 Extended
- ☐ 524.2
- ☐ 524.2 SIM
- ☐ Other_____

Requested Analytes:
- ☒ 8260 Normal List
- ☐ MTBE
- ☐ cVOCs
- ☐ PIANO
- ☐ BTEX
- ☐ Other_____
- ☐ 524.2 Normal List
- ☐ Other_____

Reporting Units:
- ☒ µg/L (ppb)
- ☐ Other_____

Extraction Method:
- ☒ 5030

- ☐ ve's not Acceptable
- ☐ Dilutions Only Not Acceptable
- ☒ Need EDF (EIM)

Due Date: Thurs. 6/4

Sample ID	pH	Sample Volume (mL)	Final Volume (mL)	Dilutions Amt. Extract	Dilutions Amt. Solvent	Dilution Factor	Foamy Sample	Observations
01A	62	43mL	43mL		mL	15		Analyzed 06/10/15 @ 09:17
SB 6/9								
Initials								

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent	✓	NA	NA	DI Water	—	SB	6/9/15
Other							
Internal Standard(s)/ Surrogate(s)	✓	100 µl	250	Surrogate mix			
		250 ppm Surr/IS Mix spiked at instr. to yield 50 ppb			45-99A		
Other							

Project Leader Initials: MK

NOTES: SB
* Analyzed w/in 24 hr of opening water batch; Anew mb was analyzed to verify proper cleanliness of analytical equipment

Calculated by SB 6/11/15 Reviewed by YA 06/16/15

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: _____ Technician: JB

QA Batch: **05-01257** 6/9/15 13:17

Matrix
- ☐ Soil
- ☒ Water
- ☐ Product
- ☐ Wipe
- ☐ Other_____

Solvent
- ☐ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☒ Other DI Water

Solvent Lot #_____

Analysis
- ☐ Diesel
- ☐ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☐ 8270
- ☒ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other_____

Clean Up: ☐ FlorsiL (FL) ☐ Cupper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other_____

Sample ID	pH Waters only	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up (Circle) Silica	FL Cu Filter	H_2SO_4	Observations
MB		43mL		43mL						
LCS										
LCSD										
S06191-01										
1-01MS										
JB 6/9/15										
MB 2		43mL		43mL						
JB 6/10/15										
Initials										

Samples in Batch

S06112-01	-03	1 -07		
S06191-01	-04	S06204-09		
S06196-01	-05			
1 -02	-06			

Matrix Spikes:
43 µL of 50 ppm of 8260 CCV/LCS — Lot # 45-145A — Date/Initials 06/09/15 JB
Amount — Concentration — Analytes and Solvent

Matrix Spikes:
_____ µL of _____ ppm of _____ — Lot # _____
Amount — Concentration — Analytes and Solvent

Surrogates:
1 µL of 250 ppm of 8260 Sur/IS — Lot # 45-99A
Amount — Concentration — Analytes and Solvent

Internal Standards:
_____ µL of _____ ppm of _____ — Lot # _____
Amount — Concentration — Analytes and Solvent

Notes: MB2 added @ 10:00

EPA 8260C
MDLs

F&B Project 506112

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction workshee

Analysis: 8260
Matrix: Water
Instrument ID: GCMS #4
Reporting Units: ug/L

Standard(s) spiked: 8260 cal std (1/5/50 ug/L) 44-1:
Volume spiked: 21.5 uL of 44-131 B and 4.3 uL
Date(s) Extracted: 12/18/14
Date(s) Analyzed: 12/18/14
Date Calculated: 12/24/14
Calculation Analyst: JS

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.
Ethanol	36.002	72.005	180.012	12.009	261.475	250.000	105
Dichlorodifluoromethane	0.064	0.128	0.320	0.021	0.435	0.500	87
Chloromethane	0.119	0.238	0.596	0.040	0.496	0.500	99
Vinyl chloride	0.076	0.153	0.382	0.025	0.450	0.500	90
Bromomethane	0.227	0.454	1.136	0.076	0.811	0.500	162
Chloroethane	0.186	0.373	0.931	0.062	0.509	0.500	102
Trichlorofluoromethane	0.083	0.166	0.414	0.028	0.555	0.500	111
2-Propanol	4.254	8.507	21.268	1.419	25.421	25.000	102
Acetone	1.433	2.867	7.166	0.478	2.722	2.500	109
1,1-Dichloroethene	0.078	0.157	0.392	0.026	0.501	0.500	100
Hexane	0.085	0.170	0.426	0.028	0.494	0.500	99
Methylene chloride	0.861	1.722	4.304	0.287	5.629	5.000	113
t-Butyl alcohol (TBA)	2.821	5.643	14.107	0.941	24.201	25.000	97
Methyl t-butyl ether (MTBE	0.066	0.132	0.329	0.022	0.507	0.500	101
trans-1,2-Dichloroethene	0.084	0.168	0.419	0.028	0.514	0.500	103
Diisopropyl ether (DIPE)	0.068	0.135	0.338	0.023	0.464	0.500	93
1,1-Dichloroethane	0.054	0.107	0.269	0.018	0.495	0.500	99
Ethyl t-butyl ether (ETBE)	0.098	0.196	0.489	0.033	0.485	0.500	97
2,2-Dichloropropane	0.128	0.256	0.641	0.043	0.548	0.500	110
cis-1,2-Dichloroethene	0.080	0.160	0.399	0.027	0.507	0.500	101
Chloroform	0.077	0.154	0.385	0.026	0.511	0.500	102
2-Butanone (MEK)	0.485	0.971	2.427	0.162	2.465	2.500	99
t-Amyl methyl ether (TAME)	0.056	0.112	0.281	0.019	0.471	0.500	94
1,2-Dichloroethane (EDC)	0.122	0.243	0.608	0.041	0.531	0.500	106
1,1,1-Trichloroethane	0.064	0.129	0.322	0.021	0.528	0.500	106
1,1-Dichloropropene	0.041	0.082	0.205	0.014	0.502	0.500	100
Carbon Tetrachloride	0.084	0.167	0.418	0.028	0.515	0.500	103
Benzene	0.062	0.125	0.312	0.021	0.503	0.500	101
Trichloroethene	0.044	0.088	0.219	0.015	0.527	0.500	105

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.
1,2-Dichloropropane	0.102	0.205	0.511	0.034	0.484	0.500	97
Bromodichloromethane	0.101	0.203	0.507	0.034	0.466	0.500	93
Dibromomethane	0.097	0.194	0.486	0.032	0.511	0.500	102
4-Methyl-2-pentanone	0.481	0.962	2.406	0.160	2.395	2.500	96
cis-1,3-Dichloropropene	0.078	0.156	0.391	0.026	0.447	0.500	89
Toluene	0.086	0.171	0.428	0.029	0.479	0.500	96
trans-1,3-Dichloropropene	0.110	0.220	0.551	0.037	0.425	0.500	85
1,1,2-Trichloroethane	0.109	0.218	0.545	0.036	0.498	0.500	100
2-Hexanone	0.463	0.926	2.314	0.154	2.292	2.500	92
1,3-Dichloropropane	0.085	0.169	0.423	0.028	0.499	0.500	100
Tetrachloroethene	0.077	0.155	0.387	0.026	0.491	0.500	98
Dibromochloromethane	0.080	0.160	0.400	0.027	0.437	0.500	87
1,2-Dibromoethane (EDB)	0.109	0.218	0.546	0.036	0.470	0.500	94
Chlorobenzene	0.070	0.141	0.351	0.023	0.521	0.500	104
Ethylbenzene	0.068	0.137	0.342	0.023	0.500	0.500	100
1,1,1,2-Tetrachloroethane	0.075	0.150	0.374	0.025	0.488	0.500	98
m,p-Xylene	0.118	0.235	0.588	0.039	1.003	1.000	100
o-Xylene	0.095	0.189	0.474	0.032	0.494	0.500	99
Styrene	0.081	0.162	0.405	0.027	0.462	0.500	92
Isopropylbenzene	0.037	0.074	0.185	0.012	0.474	0.500	95
Bromoform	0.154	0.309	0.772	0.051	0.422	0.500	84
n-Propylbenzene	0.049	0.097	0.243	0.016	0.467	0.500	93
Bromobenzene	0.067	0.135	0.337	0.022	0.482	0.500	96
1,3,5-Trimethylbenzene	0.065	0.130	0.324	0.022	0.461	0.500	92
1,1,2,2-Tetrachloroethane	0.100	0.200	0.499	0.033	0.449	0.500	90
1,2,3-Trichloropropane	0.238	0.477	1.191	0.079	0.459	0.500	92
2-Chlorotoluene	0.066	0.132	0.331	0.022	0.494	0.500	99
4-Chlorotoluene	0.069	0.139	0.347	0.023	0.491	0.500	98
tert-Butylbenzene	0.070	0.140	0.351	0.023	0.460	0.500	92
1,2,4-Trimethylbenzene	0.057	0.114	0.286	0.019	0.453	0.500	91
sec-Butylbenzene	0.067	0.135	0.337	0.022	0.455	0.500	91
p-Isopropyltoluene	0.048	0.097	0.242	0.016	0.447	0.500	89
1,3-Dichlorobenzene	0.082	0.164	0.411	0.027	0.492	0.500	98
1,4-Dichlorobenzene	0.052	0.104	0.260	0.017	0.499	0.500	100
1,2-Dichlorobenzene	0.074	0.149	0.372	0.025	0.480	0.500	96
1,2-Dibromo-3-chloropropane	0.224	0.449	1.122	0.075	0.358	0.500	72
1,2,4-Trichlorobenzene	0.078	0.155	0.388	0.026	0.473	0.500	95

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.
Hexachlorobutadiene	0.151	0.303	0.757	0.051	0.521	0.500	104
Naphthalene	0.059	0.118	0.294	0.020	0.446	0.500	89
1,2,3-Trichlorobenzene	0.071	0.142	0.355	0.024	0.489	0.500	98
2-Chloroethyl vinyl ether	0.118	0.236	0.590	0.039	0.411	0.500	82

EPA 8260C
Sequence Tables

F&B Project 506112

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run: On A Barcode Mismatch
(X) Full Method (X) Inject Anyway
( ) Reprocess Only ( ) Don't Inject

Line		Sample Name/Misc Info	
1)	Sample	1 060301	Blank
2)	Sample	2 060302	50ng BFB 45-119 A
3)	Sample	3 060303	50 ppb CCV 45-145 J
4)	Sample	4 060304	Blank
5)	Sample	5 060305	Blank
6)	Sample	6 060306	0.1 ppb ICAL 45-145 G
7)	Sample	7 060307	0.2 ppb ICAL 45-145 D
8)	Sample	8 060308	0.5 ppb ICAL 45-145 H
9)	Sample	9 060309	1 ppb ICAL 45-145 H
10)	Sample	10 060310	5 ppb ICAL 45-145 G
11)	Sample	11 060311	10 ppb ICAL 45-145 H
12)	Sample	12 060312	25 ppb ICAL 45-145 H
13)	Sample	13 060313	50 ppb ICAL 45-145 H
14)	Sample	14 060314	100 ppb ICAL 45-145 K
15)	Sample	15 060315	150 ppb ICAL 45-145 L
16)	Sample	16 060316	50 ppb 2nd Source 45-145
17)	Sample	17 060317	50ng BFB 45-119 A
18)	Sample	18 060318	50 ppb CCV 45-145 J
19)	Sample	19 060319	0.1249 ICA
20)	Sample	20 060320	0.1249 ICAD
21)	Sample	21 060321	0.1250 ICA
22)	Sample	22 060322	0.065-05 MB
23)	Sample	23 060323	0.023-01 MB
24)	Sample	24 060324	0.024-01 MBD
25)	Sample	25 060325	Blank
26)	Sample	26 060326	0.1249 MB
27)	Sample	27 060327	0.1250 MB
28)	Sample	28 060328	50 0.065-02
29)	Sample	29 060329	50 0.065-03
30)	Sample	30 060330	50 0.069-01
31)	Sample	31 060331	50 0.069-01
32)	Sample	32 060332	50 0.047A-02 1/10
33)	Sample	33 060333	50 0.099-01
34)	Sample	34 060334	50 0.099-01
35)	Sample	35 060335	50 0.099-01
36)	Sample	36 060336	50 0.099-01
37)	Sample	37 060337	50 0.099-01
38)	Sample	38 060338	Blank
39)	Sample	39 060339	50 0.023-01
40)	Sample	40 060340	50 0.023-01
41)	Sample	41 060341	Blank
42)	Sample	42 060342	50 0.027-01
43)	Sample	43 060343	50 0.027-02

Vwx 06.03.17

8cms 4 wks 06.03.17 1/2

Sequence Name: D:\...

	Line Type	Vial	DataFile	Method	Sample Name
44)	Sample	44	060344	826040	506027-03
45)	Sample	45	060345	826040	506069-02
46)	Sample	46	060346	826040	506069-03
47)	Sample	47	060347	826040	506069-04
48)	Sample	48	060348	826040	506069-05
49)	Sample	49	060349	826040	506069-06
50)	Sample	50	060350	826040	506069-08
51)	Sample	51	060351	826040	506069-09
52)	Sample	1	060352	826040	rinse
53)	Sample	2	060353	826040	rinse
54)	Sample	3	060354	826040	rinse

Comment:
Operator: JS
Data Path: D:\GCMS7\DATA\06-09-15\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line		Sample	Name	Misc Info
1)	Sample	1	060901	826075 rinse
2)	Sample	2	060902	826075 50 ng BFB 45-119a
3)	Sample	3	060903	826075 8260 50 ppb CCV 45-145 J
4)	Sample	4	060904	826075 rinse
5)	Sample	5	060905	826075 05-1255 mb2
6)	Sample	6	060906	826075 506192-01
7)	Sample	7	060907	826075 506192-03
8)	Sample	8	060908	826075 506192-05
9)	Sample	9	060909	826075 506192-06
10)	Sample	10	060910	826075 506192-08
11)	Sample	11	060911	826075 506192-10
12)	Sample	12	060912	826075 506192-11
13)	Sample	13	060913	826075 506192-13
14)	Sample	14	060914	826075 506192-15
15)	Sample	15	060915	826075 50 ng BFB 45-119a
16)	Sample	16	060916	826075 8260 50 ppb CCV 45-145 J
17)	Sample	17	060917	826075 05-1257 lcs
18)	Sample	18	060918	826075 05-1257 lcsd
19)	Sample	19	060919	826075 506191-01 ms
20)	Sample	20	060920	826075 rinse
21)	Sample	21	060921	826075 05-1257 mb
22)	Sample	22	060922	826075 506191-01
23)	Sample	23	060923	826075 506112-01
24)	Sample	24	060924	826075 506196-02
25)	Sample	25	060925	826075 506196-03
26)	Sample	26	060926	826075 506196-07
27)	Sample	27	060927	826075 506196-04
28)	Sample	28	060928	826075 506196-01
29)	Sample	29	060929	826075 506196-05
30)	Sample	30	060930	826075 506196-06
31)	Sample	31	060931	826075 rinse
32)	Sample	32	060932	826075 rinse
33)	Sample	33	060933	826075 rinse

instrument stopped

Lmc 06.10.15

06.09.15 8cm 7

Last Modified: Tue Jun 09 17:58:27 2015 Page: 1

Comment:
Operator: VM
Data Path: D:\GCMS7\DATA\06-10-15\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line		Sample	Name/Misc Info	
1)	Sample	1	061001	826075 rinse
2)	Sample	2	061002	826075 50 ng BFB 45-119a
3)	Pause			
4)	Sample	3	061003	826075 8260 50 ppb CCV 45-145 J
5)	Sample	4	061004	826075 rinse
6)	Sample	5	061005	826075 rinse
7)	Sample	6	061006	826075 506112-01
8)	Sample	7	061007	826075 506196-02
9)	Sample	8	061008	826075 506196-03
10)	Sample	9	061009	826075 506196-07
11)	Sample	10	061010	826075 506196-04
12)	Sample	11	061011	826075 506196-01
13)	Sample	12	061012	826075 506196-05
14)	Sample	13	061013	826075 rinse
15)	Sample	14	061014	826075 506196-06
16)	Sample	15	061015	826075 rinse
17)	Sample	16	061016	826075 rinse
18)	Sample	17	061017	826075 506196-05 1/10
19)	Sample	18	061018	826075 506196-06 1/10
20)	Sample	19	061019	826075 rinse
21)	Sample	20	061020	826075 05-1257 mb2
22)	Sample	21	061021	826075 506204-09
23)	Sample	22	061022	826075 05-1267 lcs
24)	Sample	23	061023	826075 05-1267 lcsd
25)	Sample	24	061024	826075 506219-05 ms
26)	Sample	25	061025	826075 50 ng BFB 45-119a
27)	Sample	26	061026	826075 8260 50 ppb CCV 45-145 J
28)	Sample	27	061027	826075 05-1267 lcs rr
29)	Sample	28	061028	826075 05-1258 lcs
30)	Sample	29	061029	826075 506204-10 ms
31)	Sample	30	061030	826075 506204-10 msd
32)	Sample	31	061031	826075 rinse
33)	Sample	32	061032	826075 05-1267 mb
34)	Sample	33	061033	826075 05-1258 mb
35)	Sample	34	061034	826075 506219-05
36)	Sample	35	061035	826075 506219-06
37)	Sample	36	061036	826075 506219-14
38)	Sample	37	061037	826075 rinse
39)	Sample	38	061038	826075 506204-10
40)	Sample	39	061039	826075 506204-11
41)	Sample	40	061040	826075 506219-07
42)	Sample	41	061041	826075 506209-02

Instrument stopped

VM 06.11.15

GCMS 7 826075 (1 of 2)

Last Modified: Wed Jun 10 18:35:24 2015 Page: 1

Injection Log

Directory: i:\06-03-15

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	060301.D	1.	rinse		3 Jun 2015 10:24
2	2	060302.D	1.	50ng BFB 45-119 A		3 Jun 2015 10:45
3	3	060303.D	1.	8260 50 ppb CCV 45-145 J	soil/water	3 Jun 2015 11:24
4	4	060304.D	1.	rinse		3 Jun 2015 12:04
5	5	060305.D	1.	rinse		3 Jun 2015 12:25
6	6	060306.D	1.	8260 0.1 ppb ICAL 45-145 C	soil/water	3 Jun 2015 13:53
7	7	060307.D	1.	8260 0.2 ppb ICAL 45-145 D	soil/water	3 Jun 2015 14:14
8	8	060308.D	1.	8260 0.5 ppb ICAL 45-145 E	soil/water	3 Jun 2015 14:35
9	9	060309.D	1.	8260 1 ppb ICAL 45-145 F	soil/water	3 Jun 2015 14:56
10	10	060310.D	1.	8260 5 ppb ICAL 45-145 G	soil/water	3 Jun 2015 15:18
11	11	060311.D	1.	8260 10 ppb ICAL 45-145 H	soil/water	3 Jun 2015 15:39
12	12	060312.D	1.	8260 25 ppb ICAL 45-145 I	soil/water	3 Jun 2015 16:00
13	13	060313.D	1.	8260 50 ppb ICAL 45-145 J	soil/water	3 Jun 2015 16:21
14	14	060314.D	1.	8260 100 ppb ICAL 45-145 K	soil/water	3 Jun 2015 16:42
15	15	060315.D	1.	8260 150 ppb ICAL 45-145 L	soil/water	3 Jun 2015 17:03
16	16	060316.D	1.	8260 50 ppb 2nd Source 45-146 B	soil/water	3 Jun 2015 17:24
17	17	060317.D	1.	50ng BFB 45-119 A		3 Jun 2015 17:45
18	18	060318.D	1.	8260 50 ppb CCV 45-145 J	soil/water	3 Jun 2015 18:07
19	19	060319.D	1.	05-1249 lcs	water 50 ug/L 45-145 A	3 Jun 2015 18:47
20	20	060320.D	1.	05-1249 lcsd	water 50 ug/L 45-145 A	3 Jun 2015 19:08
21	21	060321.D	1.	05-1250 lcs	soil 2.5 mg/kg 45-145 A	3 Jun 2015 19:32
22	22	060322.D	1.	506065-06 ms	water	3 Jun 2015 19:53
23	23	060323.D	1.	506023-01 ms	soil	3 Jun 2015 20:14
24	24	060324.D	1.	506023-01 msd	soil	3 Jun 2015 20:36
25	25	060325.D	1.	rinse		3 Jun 2015 20:57
26	26	060326.D	1.	05-1249 mb	water	3 Jun 2015 21:18
27	27	060327.D	1.	05-1250 mb	soil	3 Jun 2015 21:40
28	28	060328.D	1.	506065-06	water	3 Jun 2015 22:01
29	29	060329.D	1.	506065-08	water	3 Jun 2015 22:22
30	30	060330.D	1.	506069-07	water	3 Jun 2015 22:44
31	31	060331.D	1.	506069-14	water	3 Jun 2015 23:05
32	32	060332.D	1.	505471-02 1/10	water	3 Jun 2015 23:26
33	33	060333.D	1.	505499-01	water	3 Jun 2015 23:47
34	34	060334.D	1.	505499-02	water	4 Jun 2015 00:09
35	35	060335.D	1.	505499-04	water	4 Jun 2015 00:29
36	36	060336.D	1.	505499-05	water	4 Jun 2015 00:50
37	37	060337.D	1.	505499-03	water	4 Jun 2015 01:11
38	38	060338.D	1.	rinse		4 Jun 2015 01:33
39	39	060339.D	1.	506023-01	soil	4 Jun 2015 01:53
40	40	060340.D	1.	505453-01	soil	4 Jun 2015 02:14
41	41	060341.D	1.	rinse		4 Jun 2015 02:35
42	42	060342.D	1.	506027-01	soil	4 Jun 2015 02:57
43	43	060343.D	1.	506027-02	soil	4 Jun 2015 03:18
44	44	060344.D	1.	506027-03	soil	4 Jun 2015 03:39
45	45	060345.D	1.	506069-02	soil	4 Jun 2015 04:00
46	46	060346.D	1.	506069-03	soil	4 Jun 2015 04:22
47	47	060347.D	1.	506069-04	soil	4 Jun 2015 04:43
48	48	060348.D	1.	506069-05	soil	4 Jun 2015 05:04
49	49	060349.D	1.	506069-06	soil	4 Jun 2015 05:25
50	50	060350.D	1.	506069-08	soil	4 Jun 2015 05:45
51	51	060351.D	1.	506069-09	soil	4 Jun 2015 06:07
52	1	060352.D	1.	rinse		4 Jun 2015 06:28

Directory: i:\06-03-15

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
53		060353.D	1.			

Injection Log

Directory: p:\06-09-15

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	060901.D	1.	rinse		9 Jun 2015 06:24
2	2	060902.D	1.	50 ng BFB 45-119a		9 Jun 2015 06:45
3	3	060903.D	1.	8260 50 ppb CCV 45-145 J		9 Jun 2015 07:13
4	4	060904.D	1.	rinse		9 Jun 2015 07:48
5	5	060905.D	1.	05-1255 mb2	soil	9 Jun 2015 08:11
6	6	060906.D	1.	506192-01	soil	9 Jun 2015 08:32
7	7	060907.D	1.	506192-03	soil	9 Jun 2015 08:54
8	8	060908.D	1.	506192-05	soil	9 Jun 2015 09:16
9	9	060909.D	1.	506192-06	soil	9 Jun 2015 09:38
10	10	060910.D	1.	506192-08	soil	9 Jun 2015 10:00
11	11	060911.D	1.	506192-10	soil	9 Jun 2015 10:22
12	12	060912.D	1.	506192-11	soil	9 Jun 2015 10:44
13	13	060913.D	1.	506192-13	soil	9 Jun 2015 11:06
14	14	060914.D	1.	506192-15	soil	9 Jun 2015 11:29
15	15	060915.D	1.	50 ng BFB 45-119a		9 Jun 2015 15:23
16	16	060916.D	1.	8260 50 ppb CCV 45-145 J	soil/water	9 Jun 2015 15:44
17	17	060917.D	1.	05-1257 lcs	water 50 ug/L 45-145 A	9 Jun 2015 16:06
18	18	060918.D	1.	05-1257 lcsd	water 50 ug/L 45-145 A	9 Jun 2015 16:28
19	19	060919.D	1.	506191-01 ms	water	9 Jun 2015 17:26
20	20	060920.D	1.	rinse		9 Jun 2015 17:48
21	21	060921.D	1.	05-1257 mb	water	9 Jun 2015 18:10
22	22	060922.D	1.	506191-01	water	9 Jun 2015 18:33
23		060923.D	1.			

Injection Log

Directory: K:\06-10-15

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	061001.D	1.	rinse		10 Jun 2015 07:02
2	2	061002.D	1.	50 ng BFB 45-119a		10 Jun 2015 07:23
3	3	061003.D	1.	8260 50 ppb CCV 45-145 J		10 Jun 2015 08:11
4	4	061004.D	1.	rinse		10 Jun 2015 08:33
5	5	061005.D	1.	rinse		10 Jun 2015 08:55
6	6	061006.D	1.	506112-01	water	10 Jun 2015 09:17
7	7	061007.D	1.	506196-02	water	10 Jun 2015 09:39
8	8	061008.D	1.	506196-03	water	10 Jun 2015 10:01
9	9	061009.D	1.	506196-07	water	10 Jun 2015 10:23
10	10	061010.D	1.	506196-04	water	10 Jun 2015 10:45
11	11	061011.D	1.	506196-01	water	10 Jun 2015 11:07
12	12	061012.D	1.	506196-05	water	10 Jun 2015 11:30
13	13	061013.D	1.	rinse	water	10 Jun 2015 11:51
14	14	061014.D	1.	506196-06	water	10 Jun 2015 12:13
15	15	061015.D	1.	rinse		10 Jun 2015 12:36
16	16	061016.D	1.	rinse		10 Jun 2015 12:58
17	17	061017.D	1.	506196-05 1/10	water	10 Jun 2015 13:42
18	18	061018.D	1.	506196-06 1/10	water	10 Jun 2015 14:03
19	19	061019.D	1.	rinse		10 Jun 2015 15:00
20	20	061020.D	1.	05-1257 mb2	water	10 Jun 2015 15:22
21	21	061021.D	1.	506204-09	water	10 Jun 2015 15:44
22	22	061022.D	1.	05-1267 lcs	water	10 Jun 2015 16:06
23	23	061023.D	1.	05-1267 lcsd DNR - spike error	water	10 Jun 2015 16:28
24	24	061024.D	1.	506219-05 ms	water	10 Jun 2015 16:55
25	25	061025.D	1.	50 ng BFB 45-119a		10 Jun 2015 17:17
26	26	061026.D	1.	8260 50 ppb CCV 45-145 J	soil/water	10 Jun 2015 17:38
27	27	061027.D	1.	05-1267 lcs rr	water	10 Jun 2015 18:00
28	28	061028.D	1.	05-1258 lcs	soil 2.5 mg/kg 45-145 A	10 Jun 2015 18:22
29	29	061029.D	1.	506204-10 ms	soil	10 Jun 2015 18:45
30	30	061030.D	1.	506204-10 msd	soil	10 Jun 2015 19:07
31	31	061031.D	1.	rinse		10 Jun 2015 19:29
32	32	061032.D	1.	05-1267 mb	water	10 Jun 2015 19:51
33	33	061033.D	1.	05-1258 mb	soil	10 Jun 2015 20:13
34		061034.D	1.			

11 Jun 2015 13:02

EPA 8260C
Checklists

F&B Project 506112

GC/MS ICAL Checklist

Instrument: GC/MS 4 Sequence Date: 06/03/15 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ SB	6/3/15
2nd source passed	✓	
Analyte retention time checked	✓	
Non-Conformance Report filled out (if needed)	✓	

Notes:

-

Attach this sheet to raw data package

YA 06-04-15
Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 4 Sequence Date: 06.03.15 Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓ SB	6/3/15
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 50-150% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	N/A	
Matrix spike (MS) analyzed		
RPDs within limits	✓	
Tune Analyzed and Passed	✓	
Continuing Calibration Analyzed, Evaluated and Passed	N/A	
Non-Conformance Report filled out (if needed)	F	

Notes:

–

Attach this sheet to raw data package.

YA 06/04/15
Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 7 Sequence Date: 06.09.10 Shift # 02

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓ VY	06.10.15
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 50-150% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	NO	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Tune Analyzed and Passed	✓	
Continuing Calibration Analyzed, Evaluated and Passed	✓	
Non-Conformance Report filled out (if needed)	NA	

Notes: ccv high for several analytes (comp. #7)

Attach this sheet to raw data package.

YA 06/10/15
Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 7 Sequence Date: 6/10/15 Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓ SP	6/11/15
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 50-150% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	No	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Tune Analyzed and Passed	✓	
Continuing Calibration Analyzed, Evaluated and Passed	✓	
Non-Conformance Report filled out (if needed)	✓	

Notes: CCV yielded ~~lower~~ high recoveries: #4 dichlorodifluoromethane
#7 bromomethane
-

Attach this sheet to raw data package.

YA 06/11/15
Supervisor Initials and Date

EPA 8260C
Internal Standard/Surrogate Summaries

F&B Project 506112

GC/MS QA-QC Check Report

Tune File : I:\06-03-15\060302.D
Tune Time : 3 Jun 2015 10:45 am

Daily Calibration File : I:\06-03-15\060313.D

							(DMF)	(DHL)	(TOL)	(BFB)
								1067530	988044	601537
File	Sample		Surrogate Recovery %				Internal Standard Responses			
060306.D	8260	0.1	94	97	101	101	1131839	1040785	631181	
060307.D	8260	0.2	97	101	98	98	1043371	931817	581118	
060308.D	8260	0.5	98	100	97	98	1068884	933965	591312	
060309.D	8260	1 p	96	101	99	99	1020816	911025	569997	
060310.D	8260	5 p	100	103	99	98	1029883	928231	574239	
060311.D	8260	10	101	99	98	98	1029395	924244	574567	
060312.D	8260	25	104	100	101	99	1045921	963603	590511	
060313.D	8260	50	103	98	102	100	1067527	988044	601537	
060314.D	8260	100	104	101	103	104	1084456	1018458	591713	
060315.D	8260	150	103	100	103	104	1102005	1034831	598951	
060316.D	8260	50	104	101	103	100	1078773	1014092	609779	

t - fails 12hr time check * - fails criteria

Created: Wed Jun 03 18:27:56 2015 GCMS4

GC/MS QA-QC Check Report

une File : P:\06-09-15\060915.D
une Time : 9 Jun 2015 3:23 pm

aily Calibration File : P:\06-09-15\060916.D

	(DMF)	(DHL)	(TOL)	(BFB)	1110110	806131	445240
ile	Sample	Surrogate Recovery %			Internal Standard Responses		
60917.D	05-1257	100	98	102	101	1104290	808838	449536
60918.D	05-1257	100	98	102	102	1133666	833280	457001
60919.D	506191-0	100	99	103	101	1095246	806113	446292
60920.D	rinse	101	102	100	99	1061968	783010	417928
60921.D	05-1257	103	102	98	99	1039342	763156	401206
60922.D	506191-0	103	102	99	99	1006752	750791	397561

t - fails 12hr time check * - fails criteria

Created: Wed Jun 10 09:35:45 2015 GCMS7

GC/MS QA-QC Check Report

Tune File : P:\06-10-15\061002.D
Tune Time : 10 Jun 2015 7:23 am

Daily Calibration File : P:\06-10-15\061003.D

		(DMF)	(DHL)	(TOL)	(BFB)	1098000	794283	448948
File	Sample	Surrogate Recovery %				Internal Standard Responses		
061003.D	8260 50	100	100	102	100	1098002	794283	448948
061006.D	506112-0	106	104	99	98	983568	727898	386017
061007.D	506196-0	104	103	100	99	970738	724772	385215
061008.D	506196-0	104	100	100	99	1004216	751163	396693
061009.D	506196-0	106	103	100	98	978341	729209	385664
061010.D	506196-0	103	100	105	98	1007875	773995	424355
061011.D	506196-0	101	99	105	101	1063024	800348	435233
061012.D	506196-0	100	99	105	104	1052628	802512	438201
061014.D	506196-0	100	100	105	104	1057041	798630	431162
061017.D	506196-	101	102	102	101	1050239	782154	418477
061018.D	506196-0	101	101	101	101	1016319	754732	407160
061020.D	05-1257	104	102	100	99	1017374	753050	398460
061021.D	506204-0	103	102	100	100	1026475	768607	404852
061022.D	05-1267	101	98	103	100	1054529	781145	436787
061023.D	05-1267	100	98	104	101	1058930	783674	438531
061024.D	506219-0	101	98	103	101	1102164	815067	449719

t - fails 12hr time check * - fails criteria

Created: Thu Jun 11 14:33:41 2015 GCMS7

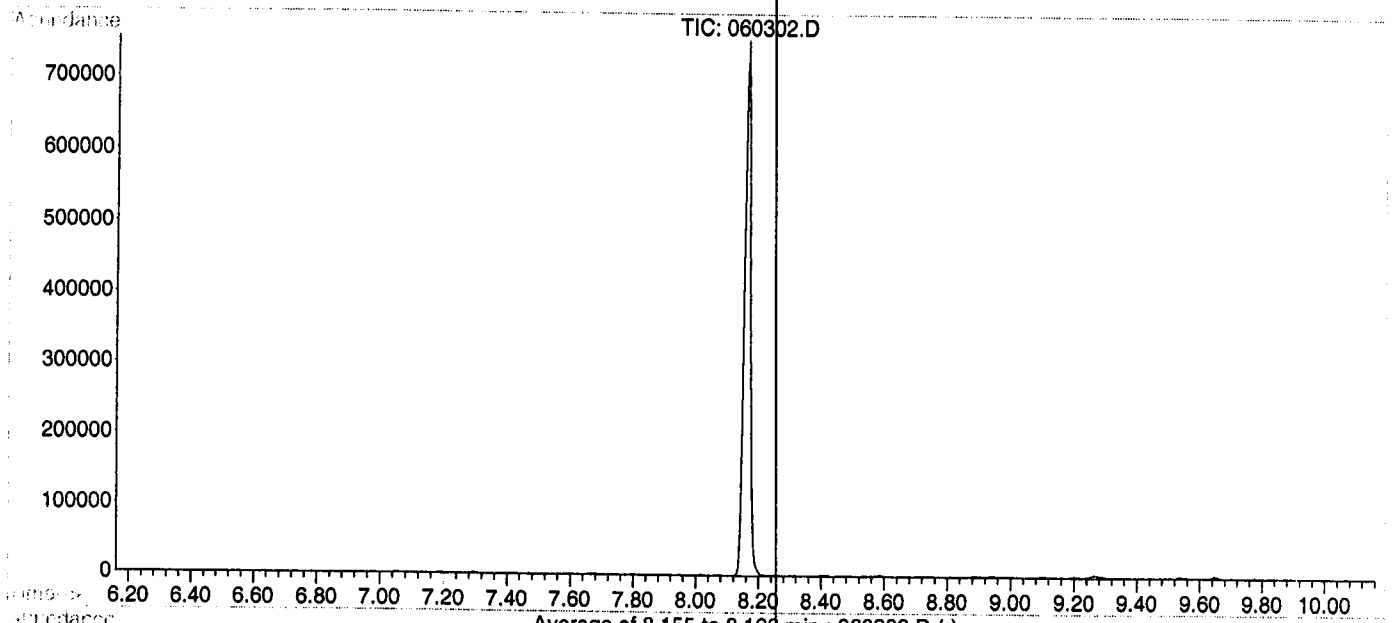
EPA 8260C
Tune Summaries

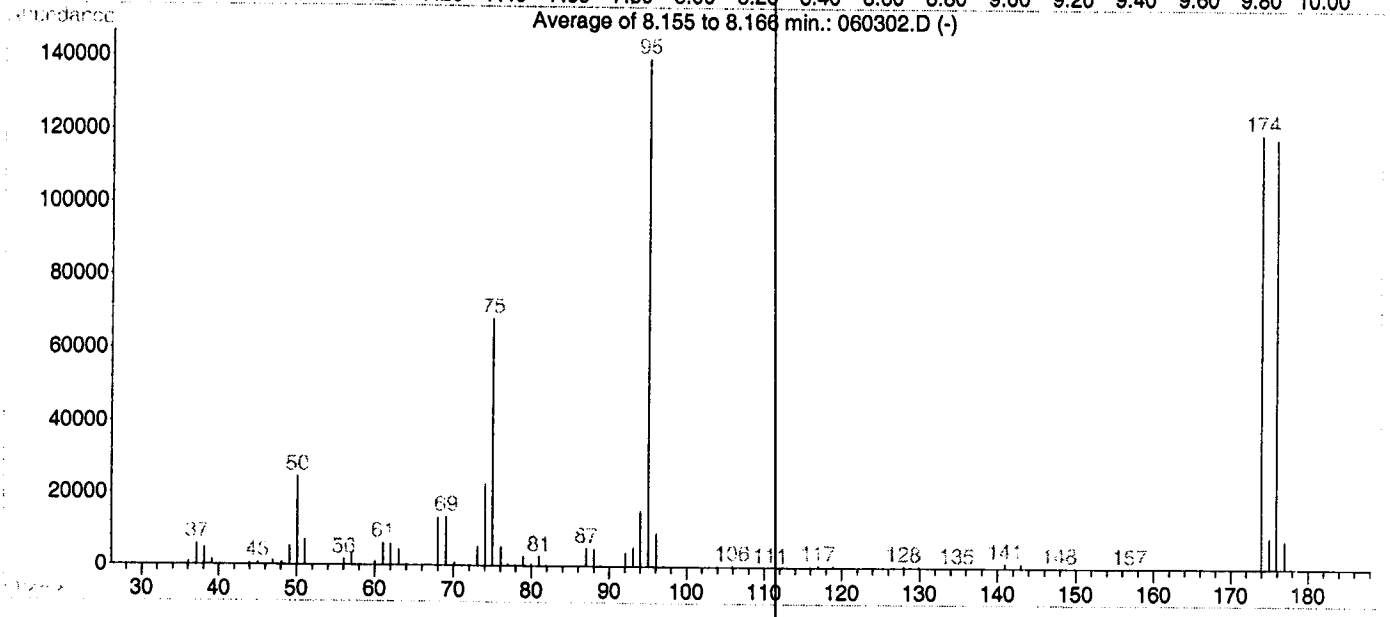
F&B Project 506112

BFB

Data File : I:\06-03-15\060302.D
Acq On : 3 Jun 2015 10:45 am
Sample : 50ng BFB 45-119 A
Misc :
MS Integration Params: LSCINT.P
Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles

Vial: 2
Operator: JS
Inst : GCMS4
Multiplr: 1.00





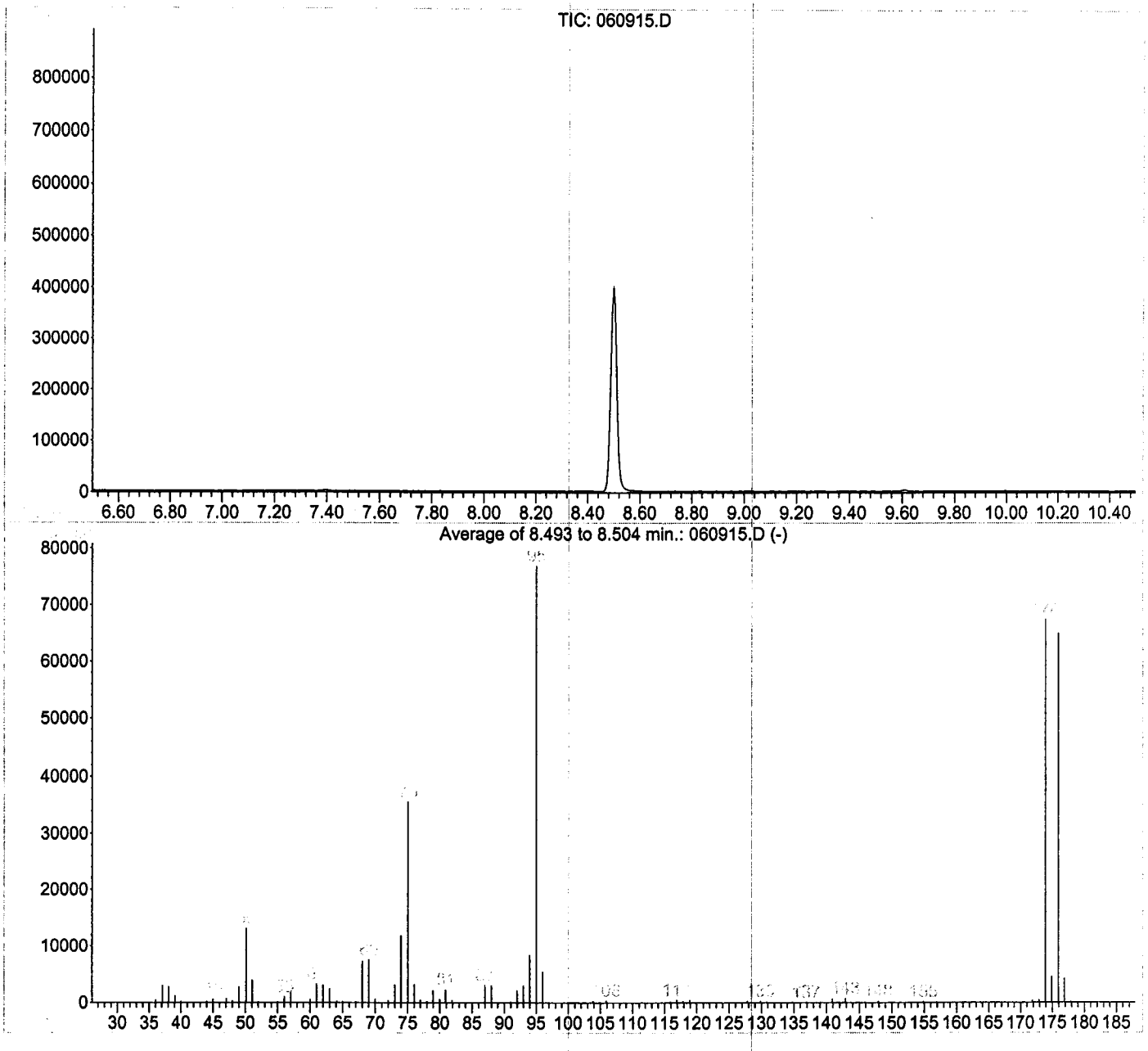
AutoFind: Scans 1448, 1449, 1450; Background Corrected with Scan 1441

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.6	24584	PASS
75	95	30	60	48.9	68344	PASS
95	95	100	100	100.0	139789	PASS
96	95	5	9	6.5	9137	PASS
173	174	0.00	2	0.3	355	PASS
174	95	50	100	85.7	119733	PASS
175	174	5	9	7.3	8756	PASS
176	174	95	101	99.1	118600	PASS
177	176	5	9	6.7	7906	PASS

BFB

Data File : P:\06-09-15\060915.D
Acq On : 9 Jun 2015 3:23 pm
Sample : 50 ng BFB 45-119a
Misc :
MS Integration Params: LSCINT.P
Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles

Vial: 15
Operator: JS
Inst : GCMS7
Multiplr: 1.00



AutoFind: Scans 1507, 1508, 1509; Background Corrected with Scan 1499

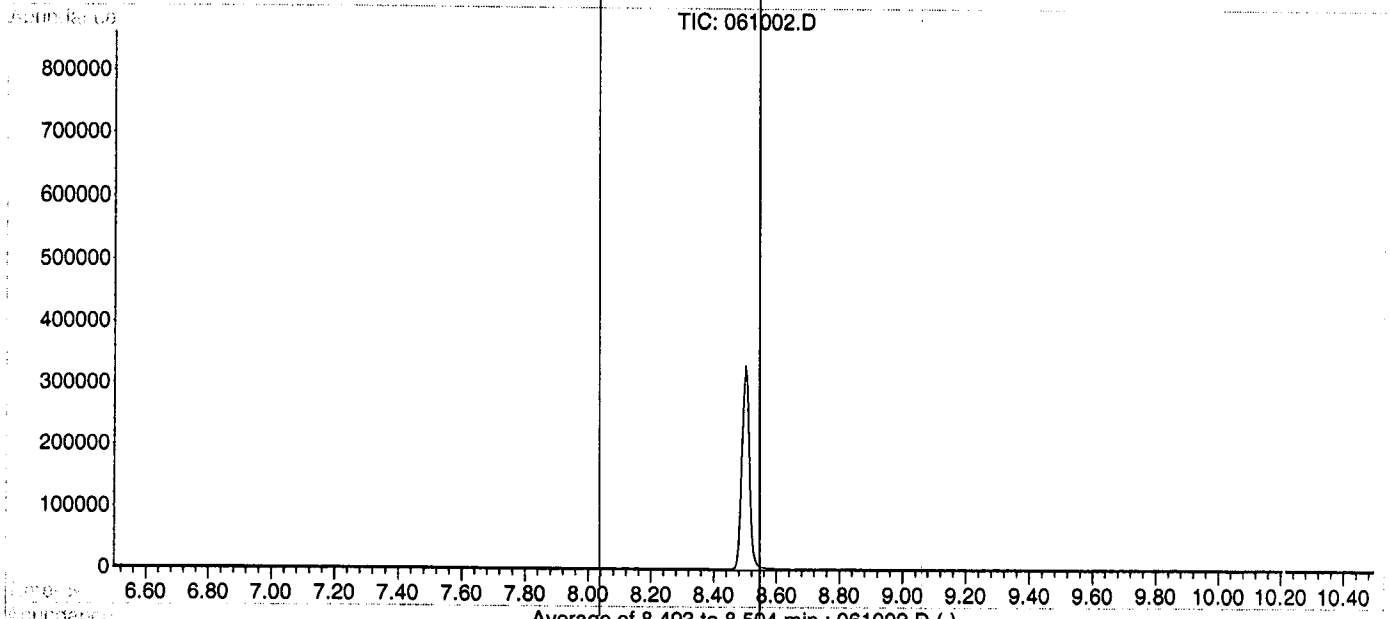
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.1	13166	PASS
75	95	30	60	46.3	35597	PASS
95	95	100	100	100.0	76963	PASS
96	95	5	9	7.0	5422	PASS
173	174	0.00	2	0.6	435	PASS
174	95	50	100	87.7	67469	PASS
175	174	5	9	6.8	4578	PASS
176	174	95	101	96.4	65016	PASS
177	176	5	9	6.5	4200	PASS

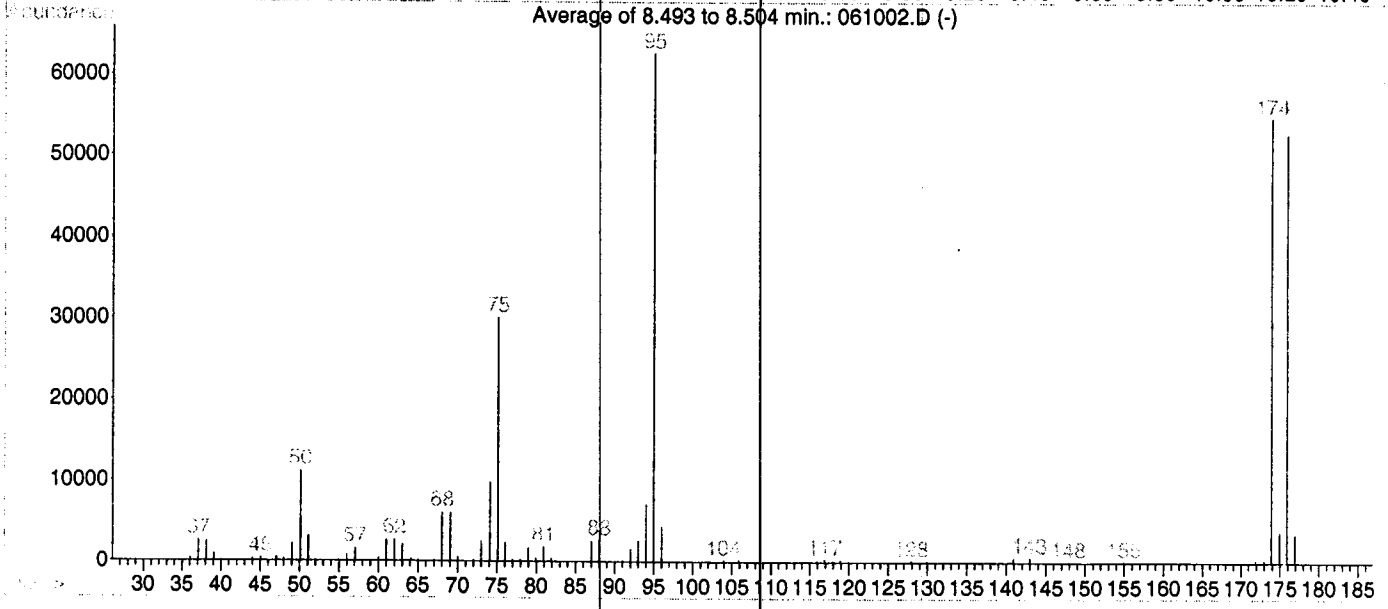
060915.D VB060315.M Wed Jun 10 09:26:46 2015

BFB

Data File : K:\06-10-15\061002.D
Acq On : 10 Jun 2015 7:23 am
Sample : 50 ng BFB 45-119a
Misc :
MS Integration Params: LSCINT.P
Method : D:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles

Vial: 2
Operator: VM
Inst : GCMS7
Multiplr: 1.00





AutoFind: Scans 1507, 1508, 1509; Background Corrected with Scan 1500

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.8	11184	PASS
75	95	30	60	48.0	30091	PASS
95	95	100	100	100.0	62741	PASS
96	95	5	9	7.1	4447	PASS
173	174	0.00	2	0.7	363	PASS
174	95	50	100	87.3	54776	PASS
175	174	5	9	7.0	3832	PASS
176	174	95	101	96.3	52736	PASS
177	176	5	9	6.8	3604	PASS

EPA 8260C
Initial Calibrations

F&B Project 506112

Response Factor Report GCMS7

Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration

Calibration Files
0.1 =060308.D 0.2 =060309.D 0.5 =060310.D
1 =060311.D 5 =060312.D 10 =060313.D

		Compound	0.1	0.2	0.5	1	5	10	Avg	%RSD
1)	I	Fluorobenzene	ISTD							
2)	TMP	Ethanol			0.007	0.005	0.006	0.005	0.006	7.25
3)	S	Dibromofluoromethan	0.296	0.289	0.290	0.294	0.286	0.286	0.288	1.51
4)	TMP	Dichlorodifluoromet	0.361	0.283	0.311	0.342	0.330	0.284	0.307	9.20
5)	TMP	Chloromethane		0.444	0.374	0.412	0.356	0.312	0.346	15.51
6)	TMP	Vinyl chloride	0.525	0.403	0.434	0.446	0.397	0.342	0.391	16.00
7)	TMP	Bromomethane			0.148	0.090	0.095	0.094	0.093	25.17
8)	TMP	Chloroethane		0.170	0.151	0.159	0.149	0.133	0.138	14.33
9)	TMP	Trichlorofluorometh	0.592	0.473	0.464	0.506	0.456	0.411	0.452	13.60
10)	TMP	2-Propanol				0.025	0.029	0.025	0.028	7.64
11)	TMP	Acetone			0.047	0.043	0.043	0.038	0.040	9.16
12)	TMP	1,1-Dichloroethene	0.436	0.384	0.345	0.382	0.338	0.301	0.342	13.07
13)	TMP	Hexane		0.510	0.471	0.507	0.429	0.389	0.450	9.07
14)	TMP	Methylene chloride				1.128	0.500	0.408	0.500	56.35
15)	TMP	t-Butyl alcohol (TB	0.055	0.047	0.045	0.037	0.046	0.043	0.049	13.43
16)	TMP	Methyl t-butyl ethe	1.001	0.823	0.818	0.919	0.889	0.823	0.897	7.13
17)	TMP	trans-1,2-Dichloroe	0.479	0.368	0.376	0.425	0.368	0.331	0.373	12.36
18)	TMP	Diisopropyl ether (	0.983	0.844	0.854	0.922	0.894	0.824	0.900	5.92
19)	TMP	1,1-Dichloroethane	0.828	0.625	0.680	0.721	0.654	0.571	0.646	12.32
20)	TMP	Ethyl t-butyl ether	0.300	0.330	0.308	0.323	0.322	0.303	0.330	7.73
21)	TMP	2,2-Dichloropropane	0.380	0.295	0.273	0.284	0.255	0.232	0.270	16.32
22)	TMP	cis-1,2-Dichloroeth	0.492	0.412	0.400	0.440	0.395	0.361	0.402	9.57
23)	TMP	Chloroform	0.865	0.707	0.732	0.785	0.697	0.614	0.694	11.80
24)	TMP	2-Butanone (MEK)	0.050	0.045	0.050	0.046	0.054	0.051	0.052	7.94
25)	TMP	t-Amyl methyl ether	0.684	0.617	0.607	0.685	0.672	0.647	0.707	11.73
26)	TMP	1,2-Dichloroethane		0.723	0.677	0.653	0.579	0.513	0.575	15.20
27)	TMP	1,1,1-Trichloroetha	0.685	0.517	0.502	0.570	0.508	0.452	0.514	13.42
28)	TMP	1,1-Dichloropropene	0.579	0.485	0.499	0.522	0.476	0.439	0.496	7.47
29)	TMP	Carbon tetrachlorid	0.636	0.439	0.472	0.503	0.446	0.395	0.464	14.56
30)	S	1,2-Dichloroethane-	0.070	0.069	0.069	0.068	0.068	0.067	0.068	1.87
31)	TMP	Benzene	1.926	1.541	1.466	1.558	1.439	1.277	1.454	13.24
32)	TMP	Trichloroethene	0.541	0.429	0.396	0.447	0.392	0.344	0.403	14.24
33)	TMP	1,2-Dichloropropane	0.394	0.325	0.331	0.371	0.337	0.300	0.337	8.07
34)	TMP	Bromodichloromethan	0.599	0.483	0.461	0.509	0.473	0.422	0.480	10.10
35)	S	Toluene-d8	0.908	0.921	0.910	0.917	0.942	0.938	0.931	1.57
36)	TMP	Dibromomethane	0.319	0.300	0.280	0.285	0.260	0.241	0.267	10.20
37)	TMP	4-Methyl-2-pentanon			0.047	0.042	0.057	0.057	0.059	16.97
38)	TMP	cis-1,3-Dichloropro	0.511	0.409	0.407	0.439	0.426	0.401	0.459	11.36
39)	I	Chlorobenzene-d5	ISTD							
40)	TMP	Toluene	1.593	1.239	1.245	1.334	1.216	1.095	1.226	12.16
41)	TMP	trans-1,3-Dichlorop	0.562	0.499	0.452	0.495	0.485	0.450	0.530	13.18
42)	TMP	1,1,2-Trichloroetha	0.418	0.441	0.423	0.423	0.404	0.372	0.400	6.37
43)	TMP	2-Hexanone	0.360	0.291	0.294	0.269	0.371	0.356	0.356	15.14
44)	TMP	1,3-Dichloropropane	0.984	0.729	0.771	0.798	0.784	0.699	0.773	10.41
45)	TMP	Tetrachloroethene	0.611	0.454	0.472	0.535	0.464	0.419	0.470	12.65
46)	TMP	Dibromochloromethan	0.579	0.490	0.512	0.551	0.511	0.465	0.520	6.54
47)	TMP	1,2-Dibromoethane (	0.579	0.486	0.472	0.483	0.498	0.447	0.490	7.15
48)	TMP	Chlorobenzene	1.855	1.581	1.580	1.622	1.468	1.301	1.469	12.72
49)	TMP	Ethylbenzene	2.481	2.054	1.994	2.186	2.091	1.940	2.129	6.90
50)	TMP	1,1,1,2-Tetrachloro	0.519	0.416	0.432	0.481	0.432	0.390	0.442	8.42
51)	TMP	m,p-Xylene	0.870	0.684	0.688	0.770	0.814	0.767	0.789	7.88
52)	TMP	o-Xylene	0.799	0.557	0.616	0.704	0.750	0.719	0.740	12.56
53)	TMP	Styrene	1.115	0.965	0.928	1.106	1.231	1.204	1.200	14.08
54)	TMP	Isopropylbenzene	1.822	1.541	1.550	1.736	1.835	1.780	1.857	11.60
55)	TMP	Bromoform		0.470	0.379	0.368	0.345	0.311	0.371	12.10
56)	I	1,4-Dichlorobenzene-d	ISTD							

(#) = Out of Range ### Number of calibration levels exceeded format ###

Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration

Calibration Files
0.1 =060308.D 0.2 =060309.D 0.5 =060310.D
1 =060311.D 5 =060312.D 10 =060313.D

		Compound	0.1	0.2	0.5	1	5	10	Avg	%RSD
57)	S	4-Bromofluorobenzen	0.880	0.878	0.871	0.865	0.876	0.877	0.887	2.16
58)	TMP	n-Propylbenzene	5.446	4.094	4.076	4.368	4.165	3.983	4.426	9.65
59)	TMP	Bromobenzene	1.450	1.168	1.138	1.219	1.077	0.983	1.132	11.58
60)	TMP	1,3,5-Trimethylbenz	3.341	2.417	2.421	2.766	2.911	2.789	2.931	11.35
61)	TMP	1,1,2,2-Tetrachloro	1.778	1.549	1.430	1.336	1.333	1.189	1.359	13.52
62)	TMP	1,2,3-Trichloroprop		1.247	1.166	1.084	1.047	0.918	1.025	11.74
63)	TMP	2-Chlorotoluene	3.540	2.613	2.672	2.843	2.729	2.494	2.774	10.47
64)	TMP	4-Chlorotoluene	4.021	2.812	2.836	3.113	3.205	2.976	3.190	10.69
65)	TMP	tert-Butylbenzene	2.685	1.978	1.985	2.290	2.309	2.254	2.437	13.02
66)	TMP	1,2,4-Trimethylbenz	3.061	2.343	2.267	2.584	2.948	2.829	2.898	13.31
67)	TMP	sec-Butylbenzene	3.783	2.964	3.102	3.509	3.728	3.514	3.710	11.94
68)	TMP	p-Isopropyltoluene	3.461	2.655	2.599	3.082	3.195	3.028	3.205	11.39
69)	TMP	1,3-Dichlorobenzene	2.828	2.061	1.984	2.219	2.074	1.853	2.089	13.34
70)	TMP	1,4-Dichlorobenzene		2.567	2.467	2.560	2.194	1.946	2.200	11.83
71)	TMP	1,2-Dichlorobenzene	2.856	2.169	2.022	2.184	1.982	1.814	2.071	14.49
72)	TMP	1,2-Dibromo-3-chlor			0.205	0.200	0.205	0.190	0.214	9.83
73)	TMP	1,2,4-Trichlorobenz	1.915	1.329	1.289	1.296	1.183	1.129	1.371	16.04
74)	TMP	Hexachlorobutadiene		0.870	0.868	0.955	0.739	0.660	0.779	12.50
75)	TMP	Naphthalene	3.040	2.454	2.154	2.100	2.453	2.550	2.779	20.13
76)	TMP	1,2,3-Trichlorobenz	1.652	1.331	1.242	1.358	1.224	1.171	1.337	10.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

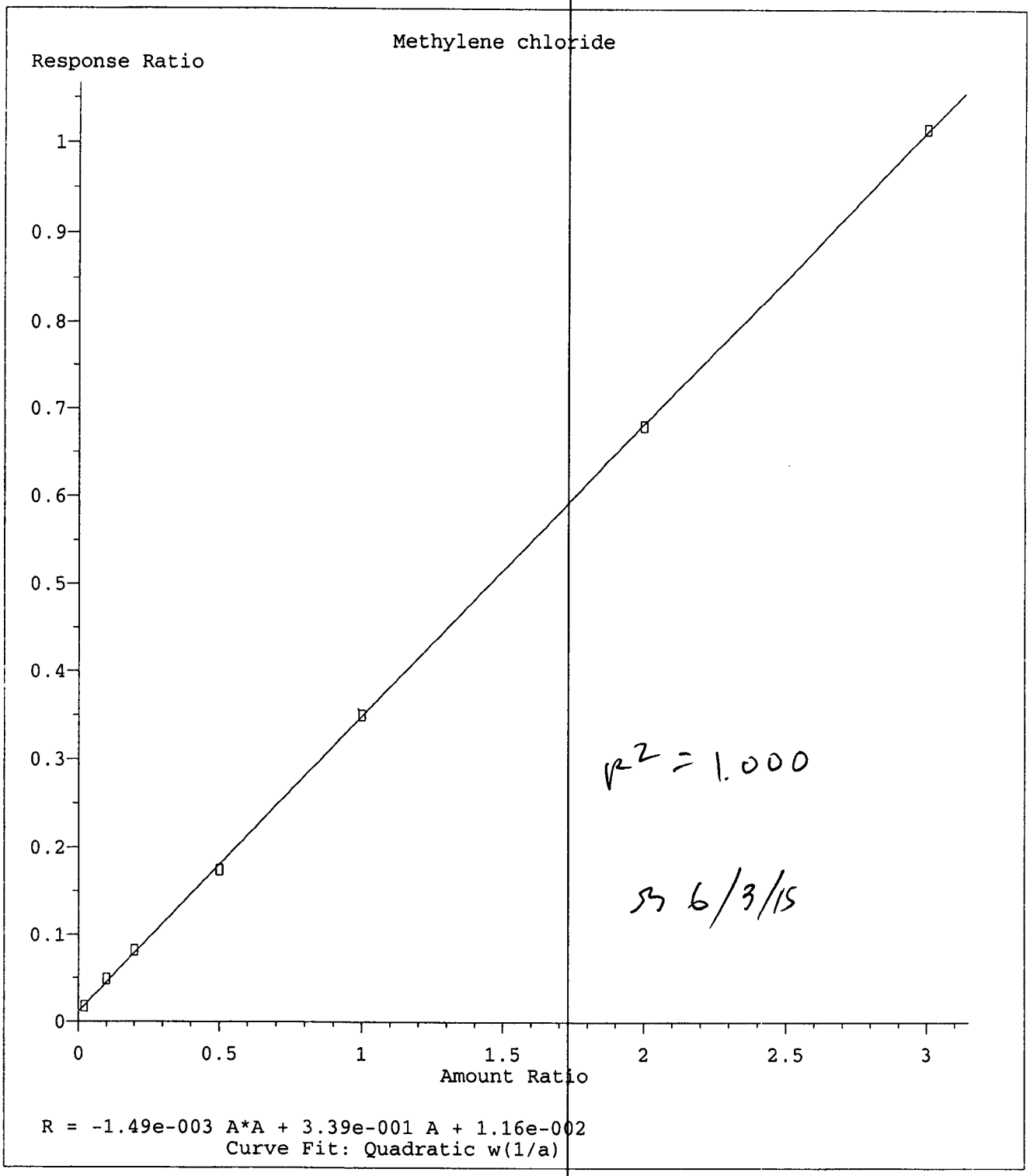
Compound List Report GCMS4

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:25:27 2015
Response via : Initial Calibration
Total Cpnds : 76

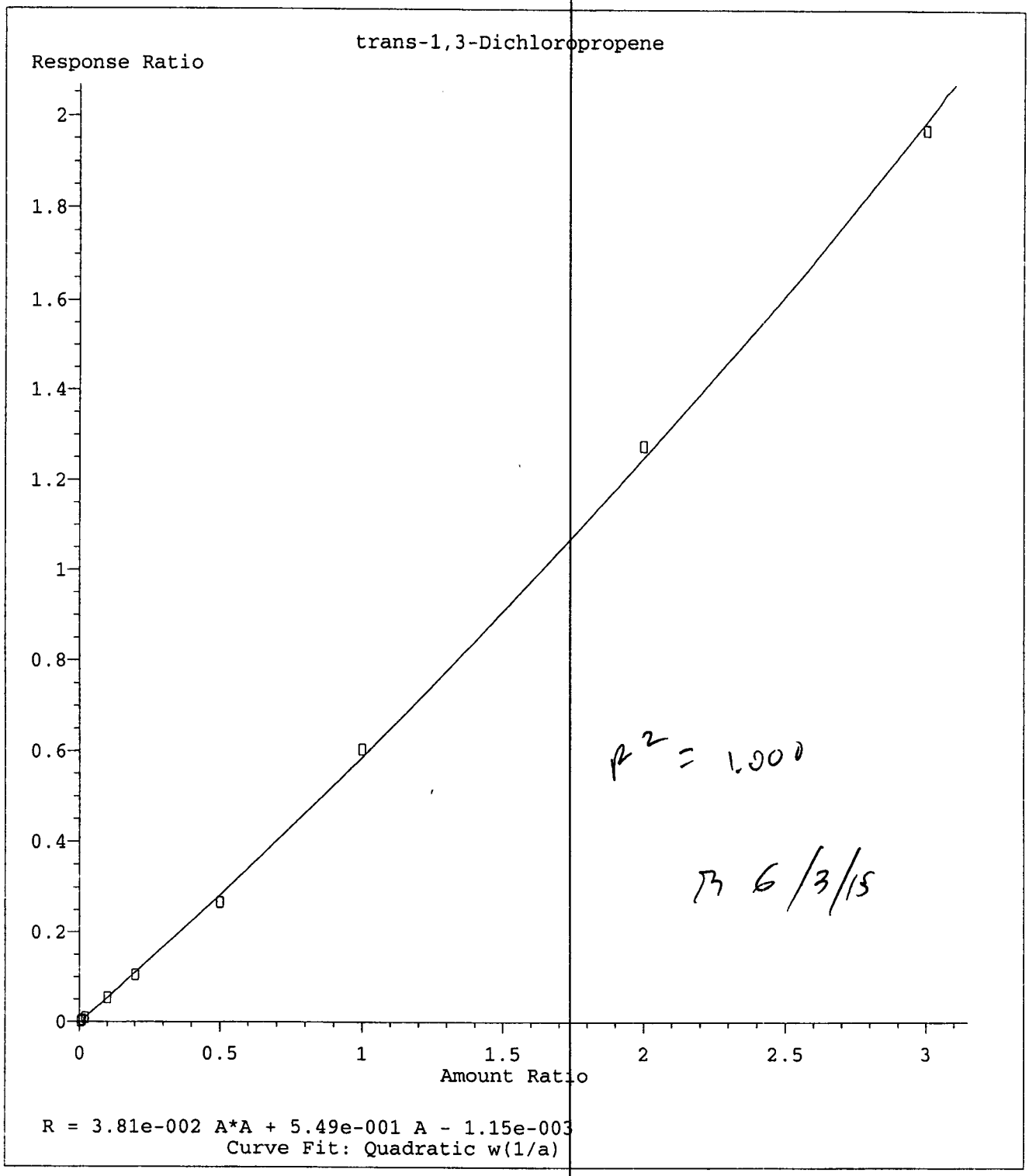
PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene	96	4.42	1.000	A	1	A	B
2	T	Ethanol	45	1.85	0.420	A	1	A	B
3	S	Dibromofluoromethane	113	3.87	0.877	A	0	A	B
4	T	Dichlorodifluoromethane	85	1.05	0.238	A	1	A	B
5	T	Chloromethane	50	1.14	0.257	A	1	A	B
6	T	Vinyl chloride	62	1.21	0.275	A	1	A	B
7	T	Bromomethane	94	1.42	0.321	A	1	A	B
8	T	Chloroethane	64	1.49	0.337	A	1	A	B
9	T	Trichlorofluoromethane	101	1.66	0.376	A	1	A	B
10	T	2-Propanol	45	2.26	0.512	A	1	A	B
11	T	Acetone	58	2.11	0.479	A	1	A	B
12	T	1,1-Dichloroethene	96	2.03	0.460	A	2	A	B
13	T	Hexane	57	2.85	0.646	A	2	A	B
14	T	Methylene chloride	84	2.43	0.551	Q	2	A	B
15	T	t-Butyl alcohol (TBA)	59	2.59	0.585	A	1	A	B
16	T	Methyl t-butyl ether (MTBE)	73	2.66	0.602	A	1	A	B
17	T	trans-1,2-Dichloroethene	96	2.64	0.598	A	2	A	B
18	T	Diisopropyl ether (DIPE)	45	3.05	0.691	A	3	A	B
19	T	1,1-Dichloroethane	63	2.99	0.678	A	2	A	B
20	T	Ethyl t-butyl ether (ETBE)	87	3.35	0.758	A	3	A	B
21	T	2,2-Dichloropropane	77	3.46	0.783	A	1	A	B
22	T	cis-1,2-Dichloroethene	96	3.47	0.786	A	2	A	B
23	T	Chloroform	83	3.74	0.847	A	1	A	B
24	T	2-Butanone (MEK)	72	3.51	0.794	A	1	A	B
25	T	t-Amyl methyl ether (TAME)	73	4.27	0.968	A	2	A	B
26	T	1,2-Dichloroethane (EDC)	62	4.21	0.954	A	1	A	B
27	T	1,1,1-Trichloroethane	97	3.87	0.876	A	2	A	B
28	T	1,1-Dichloropropene	75	4.00	0.906	A	2	A	B
29	T	Carbon tetrachloride	117	4.00	0.905	A	1	A	B
30	S	1,2-Dichloroethane-d4	102	4.15	0.940	A	0	A	B
31	T	Benzene	78	4.18	0.946	A	1	A	B
32	T	Trichloroethene	95	4.71	1.068	A	3	A	B
33	T	1,2-Dichloropropane	63	4.91	1.113	A	1	A	B
34	T	Bromodichloromethane	83	5.16	1.168	A	2	A	B
35	S	Toluene-d8	98	5.76	1.304	A	0	A	B
36	T	Dibromomethane	93	5.02	1.136	A	2	A	B
37	T	4-Methyl-2-pentanone	100	5.69	1.289	A	3	A	B
38	T	cis-1,3-Dichloropropene	75	5.54	1.255	A	2	A	B
39	I	Chlorobenzene-d5	117	7.05	1.000	A	0	A	B
40	T	Toluene	92	5.82	0.825	A	1	A	B
41	T	trans-1,3-Dichloropropene	75	6.04	0.856	Q	2	A	B
42	T	1,1,2-Trichloroethane	83	6.20	0.879	A	2	A	B
43	T	2-Hexanone	43	6.43	0.912	A	3	A	B
44	T	1,3-Dichloropropane	76	6.35	0.900	A	1	A	B
45	T	Tetrachloroethene	164	6.29	0.892	A	3	A	B
46	T	Dibromochloromethane	129	6.54	0.928	Q	1	A	B
47	T	1,2-Dibromoethane (EDB)	107	6.64	0.941	A	2	A	B
48	T	Chlorobenzene	112	7.08	1.004	A	2	A	B
49	T	Ethylbenzene	91	7.18	1.019	A	1	A	B
50	T	1,1,1,2-Tetrachloroethane	131	7.16	1.016	A	2	A	B
51	T	m,p-Xylene	106	7.29	1.034	A	1	A	B
52	T	o-Xylene	106	7.66	1.087	A	1	A	B
53	T	Styrene	104	7.68	1.089	A	1	A	B
54	T	Isopropylbenzene	105	8.01	1.136	A	1	A	B
55	T	Bromoform	173	7.86	1.114	QO	2	A	B
56	I	1,4-Dichlorobenzene-d4	152	9.26	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.16	0.880	A	2	A	B
58	T	n-Propylbenzene	91	8.41	0.907	A	1	A	B
59	T	Bromobenzene	156	8.29	0.895	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.58	0.926	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.33	0.899	A	2	A	B
62	T	1,2,3-Trichloropropane	75	8.36	0.902	A	1	A	R
63	T	2-Chlorotoluene	91	8.48	0.915	A	1	A	B
64	T	4-Chlorotoluene	91	8.58	0.927	A	1	A	B

65	T	tert-Butylbenzene	119	8.89	0.959	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	8.94	0.965	A	1	A	B
67	T	sec-Butylbenzene	105	9.10	0.982	A	1	A	B
68	T	p-Isopropyltoluene	119	9.25	0.998	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.20	0.993	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.29	1.003	A	2	A	B
71	T	1,2-Dichlorobenzene	146	9.65	1.041	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.43	1.126	Q	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.23	1.212	A	2	A	B
74	T	Hexachlorobutadiene	225	11.40	1.231	A	2	A	B
75	T	Naphthalene	128	11.47	1.238	A	2	A	B
76	T	1,2,3-Trichlorobenzene	180	11.71	1.264	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All



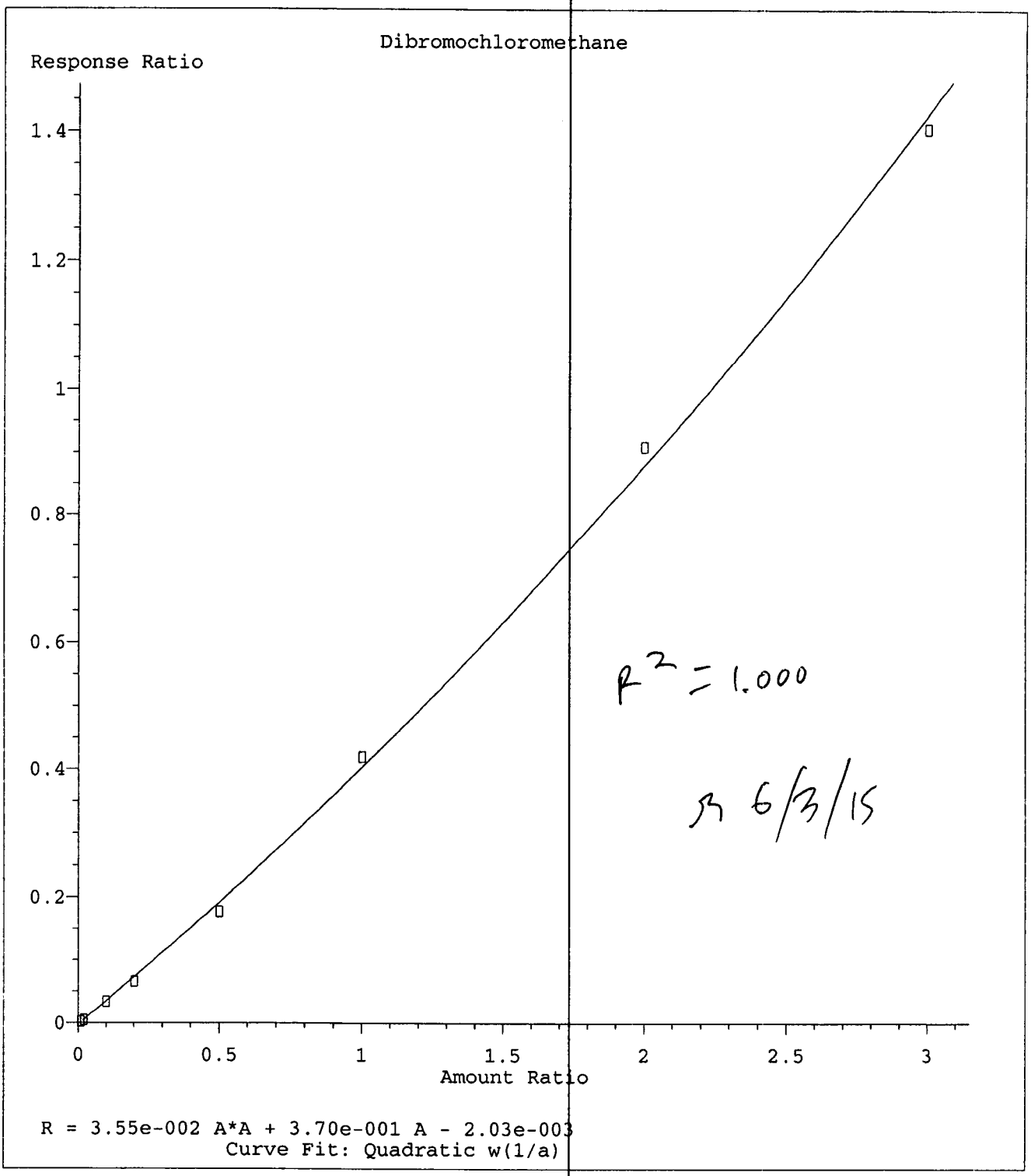
Method Name: D:\METHODS\INST4\VB060315.M
Calibration Table Last Updated: Wed Jun 03 18:25:27 2015



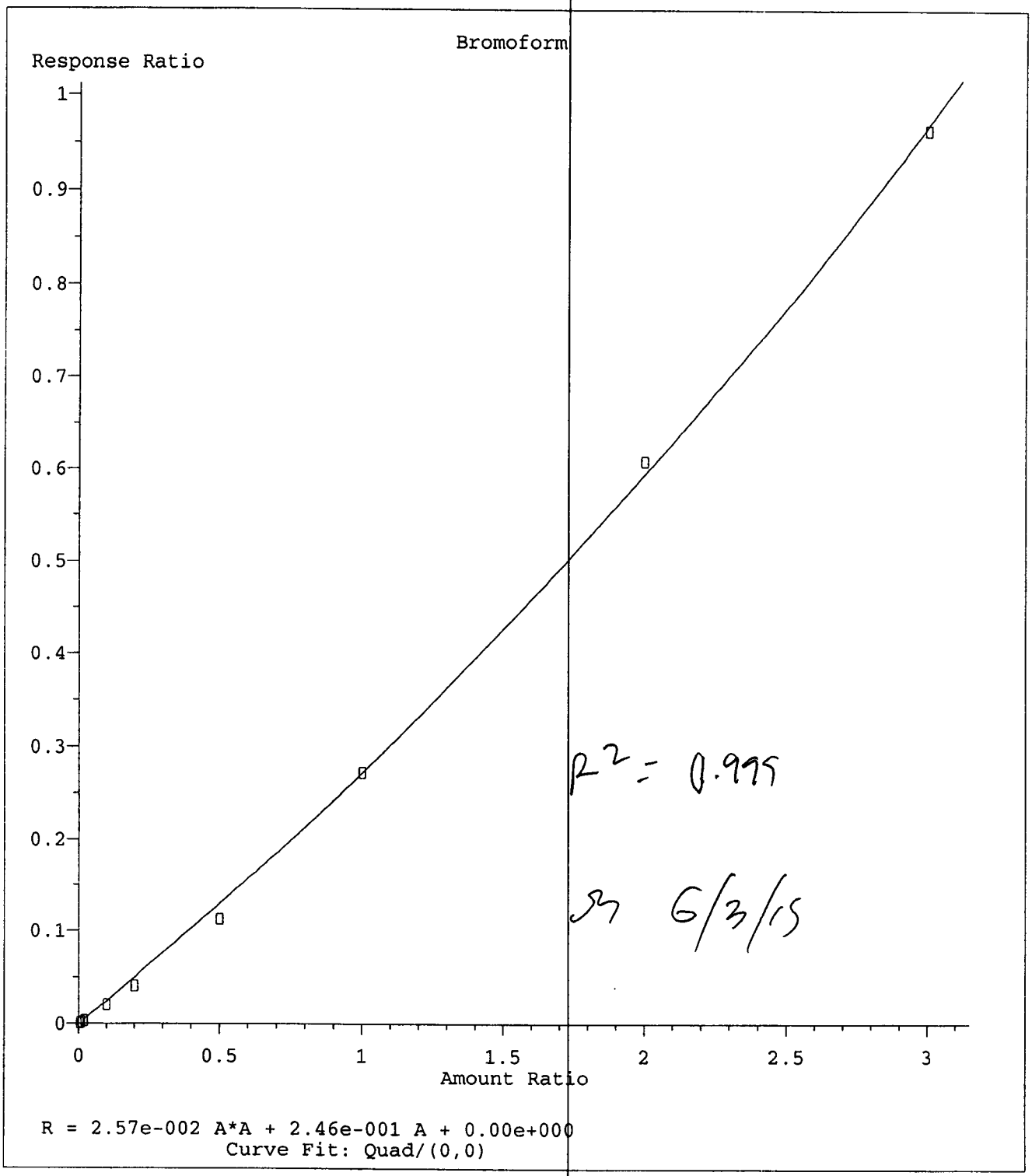
$R^2 = 1.000$

JB 6/3/15

Method Name: D:\METHODS\INST4\VB060315.M
Calibration Table Last Updated: Wed Jun 03 18:25:27 2015



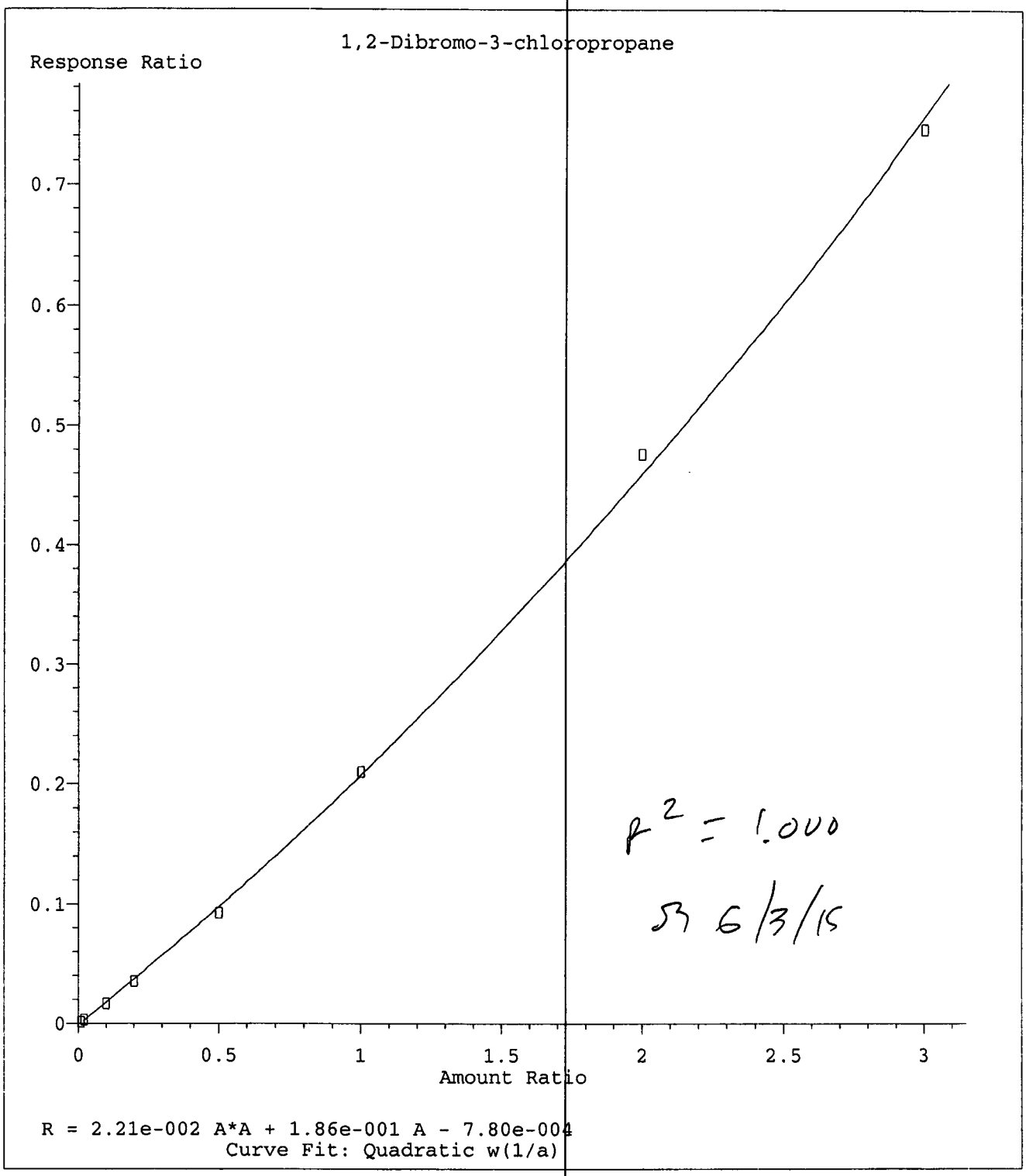
Method Name: D:\METHODS\INST4\VB060315.M
Calibration Table Last Updated: Wed Jun 03 18:25:27 2015



$R^2 = 0.995$

JM 6/3/15

Method Name: D:\METHODS\INST4\VB060315.M
Calibration Table Last Updated: Wed Jun 03 18:25:27 2015



Method Name: D:\METHODS\INST4\VB060315.M
Calibration Table Last Updated: Wed Jun 03 18:25:27 2015

Quantitation Report (QT Reviewed)

Data File : I:\06-03-15\060306.D
Acq On : 3 Jun 2015 1:53 pm
Sample : 8260 0.1 ppb ICAL 45-145 C
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:21 2015

Vial: 6
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 17:38:04 2015
Response via : Initial Calibration
DataAcq Meth : 826040

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	4.41	96	1131839	50.00	ppb		0.00
39) Chlorobenzene-d5	7.05	117	1040785	50.00	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.27	152	631181	50.00	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	3.87	113	281159	47.24	ppb		0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 94.48%				
30) 1,2-Dichloroethane-d4	4.14	102	63816	48.70	ppb		0.00
Spiked Amount 50.000	Range 62 - 142		Recovery = 97.40%				
35) Toluene-d8	5.76	98	1237542	50.50	ppb		0.00
Spiked Amount 50.000	Range 55 - 145		Recovery = 101.00%				
57) 4-Bromofluorobenzene	8.16	95	581978	50.49	ppb		0.00
Spiked Amount 50.000	Range 65 - 139		Recovery = 100.98%				
Target Compounds							Qvalue
2) Ethanol	0.00	45	0	N.D.	d		
4) Dichlorodifluoromethane	1.06	85	1037m	0.131	ppb		
5) Chloromethane	0.00	50	0	N.D.	d		
6) Vinyl chloride	1.21	62	957	0.120	ppb		94
7) Bromomethane	0.00	94	0	N.D.	d		
8) Chloroethane	0.00	64	0	N.D.	d		
9) Trichlorofluoromethane	0.00	101	0	N.D.	d		
10) 2-Propanol	0.00	45	0	N.D.	d		
11) Acetone	0.00	58	0	N.D.	d		
12) 1,1-Dichloroethene	0.00	96	0	N.D.	d		
13) Hexane	0.00	57	0	N.D.	d		
14) Methylene chloride	0.00	84	0	N.D.	d		
15) t-Butyl alcohol (TBA)	2.57	59	7648m	4.971	ppb		
16) Methyl t-butyl ether (MTBE	2.65	73	3007	0.112	ppb		93
17) trans-1,2-Dichloroethene	2.65	96	901	0.113	ppb	#	58
18) Diisopropyl ether (DIPE)	3.05	45	2757	0.115	ppb		85
19) 1,1-Dichloroethane	2.99	63	1476	0.104	ppb		86
20) Ethyl t-butyl ether (ETBE)	3.35	87	1207	0.107	ppb	#	57
21) 2,2-Dichloropropane	3.47	77	871m	0.101	ppb		
22) cis-1,2-Dichloroethene	3.46	96	1074	0.117	ppb	#	81
23) Chloroform	3.74	83	1689	0.110	ppb		77
24) 2-Butanone (MEK)	3.51	72	616m	0.523	ppb		
25) t-Amyl methyl ether (TAME)	4.27	73	2549	0.098	ppb		82
26) 1,2-Dichloroethane (EDC)	4.21	62	1881	0.129	ppb		88
27) 1,1,1-Trichloroethane	3.87	97	1508	0.113	ppb		80
28) 1,1-Dichloropropene	0.00	75	0	N.D.	d		
29) Carbon tetrachloride	3.99	117	1219m	0.111	ppb		
31) Benzene	0.00	78	0	N.D.	d		
32) Trichloroethene	0.00	95	0	N.D.	d		
33) 1,2-Dichloropropane	0.00	63	0	N.D.	d		
34) Bromodichloromethane	5.16	83	993	0.100	ppb		90
36) Dibromomethane	5.01	93	556	0.100	ppb	#	63
37) 4-Methyl-2-pentanone	5.69	100	978	0.611	ppb	#	46
38) cis-1,3-Dichloropropene	5.54	75	1345	0.111	ppb	#	57
40) Toluene	5.82	92	2792	0.122	ppb		90
41) trans-1,3-Dichloropropene	0.00	75	0	N.D.	d		
42) 1,1,2-Trichloroethane	0.00	83	0	N.D.	d		
43) 2-Hexanone	6.43	43	4060	0.558	ppb		92
44) 1,3-Dichloropropane	6.35	76	1444	0.111	ppb		71
45) Tetrachloroethene	0.00	164	0	N.D.	d		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : I:\06-03-15\060306.D
Acq On : 3 Jun 2015 1:53 pm
Sample : 8260 0.1 ppb ICAL 45-145 C
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:21 2015

Vial: 6
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 17:38:04 2015
Response via : Initial Calibration
DataAcq Meth : 826040

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	Dibromochloromethane	0.00	129	0	N.D. d		
47)	1,2-Dibromoethane (EDB)	0.00	107	0	N.D. d		
48)	Chlorobenzene	7.08	112	3407	0.124 ppb		91
49)	Ethylbenzene	7.18	91	5749	0.125 ppb		86
50)	1,1,1,2-Tetrachloroethane	7.16	131	848	0.103 ppb		84
51)	m,p-Xylene	7.29	106	4573	0.259 ppb		92
52)	o-Xylene	7.66	106	1919	0.109 ppb		97
53)	Styrene	7.68	104	3647	0.126 ppb		91
54)	Isopropylbenzene	0.00	105	0	N.D. d		
55)	Bromoform	0.00	173	0	N.D. d		
58)	n-Propylbenzene	0.00	91	0	N.D. d		
59)	Bromobenzene	0.00	156	0	N.D. d		
60)	1,3,5-Trimethylbenzene	8.58	105	5411	0.130 ppb		69
61)	1,1,2,2-Tetrachloroethane	8.33	83	1047	0.093 ppb	#	48
62)	1,2,3-Trichloropropane	8.36	75	1091	0.110 ppb		87
63)	2-Chlorotoluene	8.48	91	4184	0.125 ppb		89
64)	4-Chlorotoluene	0.00	91	0	N.D. d		
65)	tert-Butylbenzene	8.89	119	4712	0.130 ppb		85
66)	1,2,4-Trimethylbenzene	8.94	105	5359	0.127 ppb		100
67)	sec-Butylbenzene	0.00	105	0	N.D. d		
68)	p-Isopropyltoluene	0.00	119	0	N.D. d		
69)	1,3-Dichlorobenzene	0.00	146	0	N.D. d		
70)	1,4-Dichlorobenzene	0.00	146	0	N.D. d		
71)	1,2-Dichlorobenzene	9.65	146	2846	0.121 ppb		95
72)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D. d		
73)	1,2,4-Trichlorobenzene	11.23	180	2490	0.130 ppb		85
74)	Hexachlorobutadiene	0.00	225	0	N.D. d		
75)	Naphthalene	11.47	128	6280	0.125 ppb		87
76)	1,2,3-Trichlorobenzene	0.00	180	0	N.D. d		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

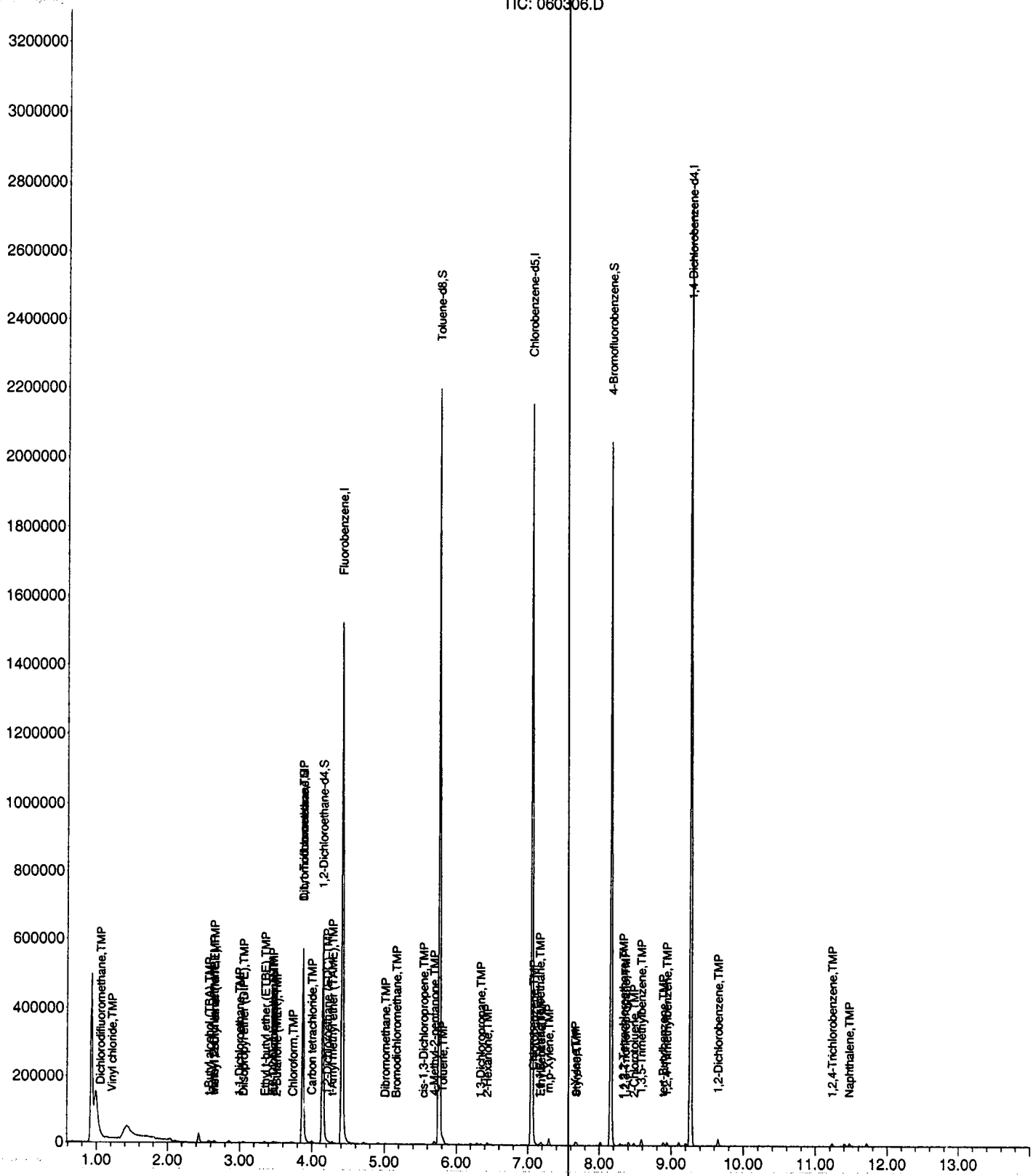
Data File : I:\06-03-15\060306.D
Acq On : 3 Jun 2015 1:53 pm
Sample : 8260 0.1 ppb ICAL 45-145 C
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:21 2015

Vial: 6
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:23:07 2015
Response via : Initial Calibration

TIC: 060306.D



Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060306.D
Acq On : 3 Jun 2015 1:53 pm
Sample : 8260 0.1 ppb ICAL 45-145 C
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 6
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:23:07 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	100	0.00
2	TMP	Ethanol	5.000	0.000	100.0#	0	-1.85#
3	S	Dibromofluoromethane	50.000	47.242	5.5	100	0.00
4	TMP	Dichlorodifluoromethane	0.100	0.131	-31.0#	100	0.00
5	TMP	Chloromethane	0.100	0.000	100.0#	0	-1.14#
6	TMP	Vinyl chloride	0.100	0.120	-20.0	100	0.00
7	TMP	Bromomethane	0.100	0.000	100.0#	0	-1.42#
8	TMP	Chloroethane	0.100	0.000	100.0#	0	-1.49#
9	TMP	Trichlorofluoromethane	0.100	0.000	100.0#	0	-1.66#
10	TMP	2-Propanol	0.500	0.000	100.0#	0	-2.26#
11	TMP	Acetone	0.500	0.000	100.0#	0	-2.11#
12	TMP	1,1-Dichloroethene	0.100	0.000	100.0#	0	-2.03#
13	TMP	Hexane	0.100	0.000	100.0#	0	-2.85#
14	TMP	Methylene chloride	0.100	-1.000	1100.0#	0	-2.43#
15	TMP	t-Butyl alcohol (TBA)	5.000	4.971	0.6	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.100	0.112	-12.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.100	0.113	-13.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.100	0.115	-15.0	100	0.00
19	TMP	1,1-Dichloroethane	0.100	0.104	-4.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.100	0.107	-7.0	100	0.00
21	TMP	2,2-Dichloropropane	0.100	0.101	-1.0	100	0.01
22	TMP	cis-1,2-Dichloroethene	0.100	0.117	-17.0	100	0.00
23	TMP	Chloroform	0.100	0.110	-10.0	100	0.00
24	TMP	2-Butanone (MEK)	0.500	0.523	-4.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.100	0.098	2.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.100	0.129	-29.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.100	0.113	-13.0	100	0.00
28	TMP	1,1-Dichloropropene	0.100	0.000	100.0#	0	-4.00#
29	TMP	Carbon tetrachloride	0.100	0.111	-11.0	100	0.00
30	S	1,2-Dichloroethane-d4	50.000	48.696	2.6	100	0.00
31	TMP	Benzene	0.100	0.000	100.0#	0	-4.18#
32	TMP	Trichloroethene	0.100	0.000	100.0#	0	-4.71#
33	TMP	1,2-Dichloropropane	0.100	0.000	100.0#	0	-4.91#
34	TMP	Bromodichloromethane	0.100	0.100	0.0	100	0.00
35	S	Toluene-d8	50.000	50.503	-1.0	100	0.00
36	TMP	Dibromomethane	0.100	0.100	0.0	100	0.00
37	TMP	4-Methyl-2-pentanone	0.500	0.611	-22.2	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.100	0.111	-11.0	100	0.00
39	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
40	TMP	Toluene	0.100	0.122	-22.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.100	0.045	55.0#	0	-6.04#
42	TMP	1,1,2-Trichloroethane	0.100	0.000	100.0#	0	-6.20#
43	TMP	2-Hexanone	0.500	0.558	-11.6	100	0.00
44	TMP	1,3-Dichloropropane	0.100	0.111	-11.0	100	0.00
45	TMP	Tetrachloroethene	0.100	0.000	100.0#	0	-6.29#
46	TMP	Dibromochloromethane	0.100	0.151	-51.0#	0	-6.54#
47	TMP	1,2-Dibromoethane (EDB)	0.100	0.000	100.0#	0	-6.64#
48	TMP	Chlorobenzene	0.100	0.124	-24.0	100	0.00
49	TMP	Ethylbenzene	0.100	0.125	-25.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.100	0.103	-3.0	100	0.00
51	TMP	m,p-Xylene	0.200	0.259	-29.5	100	0.00
52	TMP	o-Xylene	0.100	0.109	-9.0	100	0.00
53	TMP	Styrene	0.100	0.126	-26.0	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060306.D
Acq On : 3 Jun 2015 1:53 pm
Sample : 8260 0.1 ppb ICAL 45-145 C
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 6
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:23:07 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	0.100	0.000	100.0#	0	-8.01#
55	TMP	Bromoform	0.100	0.000	100.0#	0	-7.86#
56	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	50.000	50.494	-1.0	100	0.00
58	TMP	n-Propylbenzene	0.100	0.000	100.0#	0	-8.41#
59	TMP	Bromobenzene	0.100	0.000	100.0#	0	-8.29#
60	TMP	1,3,5-Trimethylbenzene	0.100	0.130	-30.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.100	0.093	7.0	100	0.00
62	TMP	1,2,3-Trichloropropane	0.100	0.110	-10.0	100	0.00
63	TMP	2-Chlorotoluene	0.100	0.125	-25.0	100	0.00
64	TMP	4-Chlorotoluene	0.100	0.000	100.0#	0	-8.58#
65	TMP	tert-Butylbenzene	0.100	0.130	-30.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.100	0.127	-27.0	100	0.00
67	TMP	sec-Butylbenzene	0.100	0.000	100.0#	0	-9.10#
68	TMP	p-Isopropyltoluene	0.100	0.000	100.0#	0	-9.25#
69	TMP	1,3-Dichlorobenzene	0.100	0.000	100.0#	0	-9.20#
70	TMP	1,4-Dichlorobenzene	0.100	0.000	100.0#	0	-9.29#
71	TMP	1,2-Dichlorobenzene	0.100	0.121	-21.0	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.100	0.209	-109.0#	0	-10.43#
73	TMP	1,2,4-Trichlorobenzene	0.100	0.130	-30.0	100	0.00
74	TMP	Hexachlorobutadiene	0.100	0.000	100.0#	0	-11.40#
75	TMP	Naphthalene	0.100	0.125	-25.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.100	0.000	100.0#	0	-11.71#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060306.D
Acq On : 3 Jun 2015 1:53 pm
Sample : 8260 0.1 ppb ICAL 45-145 C
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 6
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:23:07 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.005	0.000#	100.0#	0#	-1.85#
3	S	Dibromofluoromethane	0.263	0.248	5.7	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.458	-32.0#	100	0.00
5	TMP	Chloromethane	0.287	0.000#	100.0#	0#	-1.14#
6	TMP	Vinyl chloride	0.350	0.423	-20.9	100	0.00
7	TMP	Bromomethane	0.253	0.000#	100.0#	0#	-1.42#
8	TMP	Chloroethane	0.201	0.000#	100.0#	0#	-1.49#
9	TMP	Trichlorofluoromethane	0.550	0.000#	100.0#	0#	-1.66#
10	TMP	2-Propanol	0.034	0.000	100.0#	0#	-2.26#
11	TMP	Acetone	0.038	0.000#	100.0#	0#	-2.11#
12	TMP	1,1-Dichloroethene	0.313	0.000#	100.0#	0#	-2.03#
13	TMP	Hexane	0.465	0.000#	100.0#	0#	-2.85#
14	TMP	Methylene chloride	0.451	0.000#	100.0#	0#	-2.43#
15	TMP	t-Butyl alcohol (TBA)	0.069	0.068	1.4	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	1.186	1.328	-12.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.352	0.398	-13.1	100	0.00
18	TMP	Diisopropyl ether (DIPE)	1.060	1.218	-14.9	100	0.00
19	TMP	1,1-Dichloroethane	0.626	0.652	-4.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.499	0.533	-6.8	100	0.00
21	TMP	2,2-Dichloropropane	0.380	0.385	-1.3	100	0.01
22	TMP	cis-1,2-Dichloroethene	0.404	0.474	-17.3	100	0.00
23	TMP	Chloroform	0.677	0.746	-10.2	100	0.00
24	TMP	2-Butanone (MEK)	0.052	0.054	-3.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.135	1.126	0.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.646	0.831	-28.6	100	0.00
27	TMP	1,1,1-Trichloroethane	0.589	0.666	-13.1	100	0.00
28	TMP	1,1-Dichloropropene	0.542	0.000#	100.0#	0#	-4.00#
29	TMP	Carbon tetrachloride	0.484	0.539	-11.4	100	0.00
30	S	1,2-Dichloroethane-d4	0.058	0.056	3.4	100	0.00
31	TMP	Benzene	1.487	0.000#	100.0#	0#	-4.18#
32	TMP	Trichloroethene	0.427	0.000#	100.0#	0#	-4.71#
33	TMP	1,2-Dichloropropane	0.338	0.000#	100.0#	0#	-4.91#
34	TMP	Bromodichloromethane	0.438	0.439	-0.2	100	0.00
35	S	Toluene-d8	1.083	1.093	-0.9	100	0.00
36	TMP	Dibromomethane	0.245	0.246	-0.4	100	0.00
37	TMP	4-Methyl-2-pentanone	0.071	0.086	-21.1	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.536	0.594	-10.8	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.103	1.341	-21.6	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.525	0.000#	100.0#	0#	-6.04#
42	TMP	1,1,2-Trichloroethane	0.304	0.000#	100.0#	0#	-6.20#
43	TMP	2-Hexanone	0.349	0.390	-11.7	100	0.00
44	TMP	1,3-Dichloropropane	0.628	0.694	-10.5	100	0.00
45	TMP	Tetrachloroethene	0.392	0.000#	100.0#	0#	-6.29#
46	TMP	Dibromochloromethane	0.357	0.000#	100.0#	0#	-6.54#
47	TMP	1,2-Dibromoethane (EDB)	0.394	0.000#	100.0#	0#	-6.64#
48	TMP	Chlorobenzene	1.318	1.637	-24.2	100	0.00
49	TMP	Ethylbenzene	2.209	2.762	-25.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.397	0.407	-2.5	100	0.00
51	TMP	m,p-Xylene	0.848	1.098	-29.5	100	0.00
52	TMP	o-Xylene	0.844	0.922	-9.2	100	0.00
53	TMP	Styrene	1.396	1.752	-25.5	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060306.D
Acq On : 3 Jun 2015 1:53 pm
Sample : 8260 0.1 ppb ICAL 45-145 C
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 6
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:23:07 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	2.181	0.000#	100.0#	0#	-8.01#
55	TMP	Bromoform	0.229	0.000#	100.0#	0#	-7.86#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.913	0.922	-1.0	100	0.00
58	TMP	n-Propylbenzene	4.163	0.000#	100.0#	0#	-8.41#
59	TMP	Bromobenzene	0.938	0.000#	100.0#	0#	-8.29#
60	TMP	1,3,5-Trimethylbenzene	3.301	4.286	-29.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.889	0.829	6.7	100	0.00
62	TMP	1,2,3-Trichloropropane	0.782	0.864	-10.5	100	0.00
63	TMP	2-Chlorotoluene	2.657	3.314	-24.7	100	0.00
64	TMP	4-Chlorotoluene	3.074	0.000#	100.0#	0#	-8.58#
65	TMP	tert-Butylbenzene	2.873	3.733	-29.9	100	0.00
66	TMP	1,2,4-Trimethylbenzene	3.331	4.245	-27.4	100	0.00
67	TMP	sec-Butylbenzene	3.862	0.000#	100.0#	0#	-9.10#
68	TMP	p-Isopropyltoluene	3.576	0.000#	100.0#	0#	-9.25#
69	TMP	1,3-Dichlorobenzene	1.816	0.000#	100.0#	0#	-9.20#
70	TMP	1,4-Dichlorobenzene	1.897	0.000#	100.0#	0#	-9.29#
71	TMP	1,2-Dichlorobenzene	1.857	2.255	-21.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.189	0.000#	100.0#	0#	-10.43#
73	TMP	1,2,4-Trichlorobenzene	1.520	1.972	-29.7	100	0.00
74	TMP	Hexachlorobutadiene	0.668	0.000#	100.0#	0#	-11.40#
75	TMP	Naphthalene	3.991	4.975	-24.7	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.413	0.000#	100.0#	0#	-11.71#

Quantitation Report (QT Reviewed)

Data File : I:\06-03-15\060307.D
Acq On : 3 Jun 2015 2:14 pm
Sample : 8260 0.2 ppb ICAL 45-145 D
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:14 2015

Vial: 7
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 17:42:00 2015
Response via : Initial Calibration
DataAcq Meth : 826040

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	4.41	96	1043371	50.00	ppb		0.00
39) Chlorobenzene-d5	7.05	117	931817	50.00	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.26	152	581118	50.00	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	3.87	113	265752	48.44	ppb		0.00
Spiked Amount 50.000	Range 0 - 1000			Recovery = 96.88%			
30) 1,2-Dichloroethane-d4	4.14	102	61042	50.53	ppb		0.00
Spiked Amount 50.000	Range 62 - 142			Recovery = 101.06%			
35) Toluene-d8	5.76	98	1109671	49.12	ppb		0.00
Spiked Amount 50.000	Range 55 - 145			Recovery = 98.24%			
57) 4-Bromofluorobenzene	8.16	95	519914	48.99	ppb		0.00
Spiked Amount 50.000	Range 65 - 139			Recovery = 97.98%			
Target Compounds							Qvalue
2) Ethanol	0.00	45	0	N.D.	d		
4) Dichlorodifluoromethane	1.05	85	1418m	0.195	ppb		
5) Chloromethane	1.14	50	1269	0.212	ppb		61
6) Vinyl chloride	1.21	62	1606	0.218	ppb		94
7) Bromomethane	0.00	94	0	N.D.	d		
8) Chloroethane	0.00	64	0	N.D.	d		
9) Trichlorofluoromethane	1.65	101	2521	0.210	ppb	#	39
10) 2-Propanol	0.00	45	0	N.D.	d		
11) Acetone	0.00	58	0	N.D.	d		
12) 1,1-Dichloroethene	2.03	96	1363	0.209	ppb		92
13) Hexane	2.84	57	2453	0.253	ppb		79
14) Methylene chloride	0.00	84	0	N.D.	d		
15) t-Butyl alcohol (TBA)	2.57	59	12311	8.681	ppb		95
16) Methyl t-butyl ether (MTBE	2.65	73	4882	0.197	ppb		97
17) trans-1,2-Dichloroethene	2.64	96	1484	0.202	ppb	#	69
18) Diisopropyl ether (DIPE)	3.05	45	4163	0.188	ppb		96
19) 1,1-Dichloroethane	2.99	63	2389	0.183	ppb		82
20) Ethyl t-butyl ether (ETBE)	3.35	87	2187m	0.210	ppb		
21) 2,2-Dichloropropane	3.45	77	1479	0.186	ppb		67
22) cis-1,2-Dichloroethene	3.46	96	1468	0.174	ppb		92
23) Chloroform	3.74	83	2516	0.178	ppb		68
24) 2-Butanone (MEK)	3.51	72	1122m	1.034	ppb		
25) t-Amyl methyl ether (TAME)	4.27	73	4965m	0.208	ppb		
26) 1,2-Dichloroethane (EDC)	4.21	62	2454	0.182	ppb		96
27) 1,1,1-Trichloroethane	3.86	97	2163	0.176	ppb		98
28) 1,1-Dichloropropene	4.00	75	2224	0.186	ppb		91
29) Carbon tetrachloride	3.99	117	1745	0.173	ppb		96
31) Benzene	4.17	78	6903	0.214	ppb		97
32) Trichloroethene	4.70	95	1848	0.208	ppb	#	82
33) 1,2-Dichloropropane	4.91	63	1109	0.157	ppb		87
34) Bromodichloromethane	5.16	83	1602	0.175	ppb	#	62
36) Dibromomethane	5.01	93	1021	0.200	ppb	#	73
37) 4-Methyl-2-pentanone	5.69	100	1205	0.817	ppb	#	81
38) cis-1,3-Dichloropropene	5.54	75	1823	0.163	ppb		89
40) Toluene	5.81	92	4165	0.203	ppb		92
41) trans-1,3-Dichloropropene	6.03	75	1350	0.178	ppb	#	61
42) 1,1,2-Trichloroethane	6.19	83	1066m	0.182	ppb		
43) 2-Hexanone	6.43	43	5891	0.905	ppb		94
44) 1,3-Dichloropropane	6.34	76	2217	0.190	ppb		98
45) Tetrachloroethene	6.29	164	1574	0.206	ppb	#	76

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : I:\06-03-15\060307.D
Acq On : 3 Jun 2015 2:14 pm
Sample : 8260 0.2 ppb ICAL 45-145 D
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:14 2015

Vial: 7
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 17:42:00 2015
Response via : Initial Calibration
DataAcq Meth : 826040

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Dibromochloromethane	0.00	129	0	N.D.	d		
47)	1,2-Dibromoethane (EDB)	6.63	107	1382	0.182	ppb		95
48)	Chlorobenzene	7.07	112	5102	0.208	ppb		87
49)	Ethylbenzene	7.18	91	8354	0.203	ppb		99
50)	1,1,1,2-Tetrachloroethane	7.16	131	1220	0.165	ppb	#	68
51)	m,p-Xylene	7.29	106	5815	0.368	ppb		96
52)	o-Xylene	7.66	106	3121	0.198	ppb		97
53)	Styrene	7.68	104	4750	0.183	ppb		72
54)	Isopropylbenzene	8.01	105	7768	0.183	ppb		92
55)	Bromoform	7.85	173	736	0.160	ppb		76
58)	n-Propylbenzene	8.41	91	9722	0.193	ppb		96
59)	Bromobenzene	8.29	156	2093	0.192	ppb	#	73
60)	1,3,5-Trimethylbenzene	8.58	105	7086	0.185	ppb		86
61)	1,1,2,2-Tetrachloroethane	8.32	83	1996	0.193	ppb		67
62)	1,2,3-Trichloropropane	8.35	75	1827	0.201	ppb		85
63)	2-Chlorotoluene	8.47	91	6042	0.196	ppb		84
64)	4-Chlorotoluene	8.59	91	7089	0.191	ppb		82
65)	tert-Butylbenzene	8.89	119	5970	0.179	ppb		91
66)	1,2,4-Trimethylbenzene	8.93	105	6830	0.176	ppb		94
67)	sec-Butylbenzene	9.10	105	8469	0.181	ppb		97
68)	p-Isopropyltoluene	9.25	119	8279	0.190	ppb		87
69)	1,3-Dichlorobenzene	9.20	146	4191	0.192	ppb		78
70)	1,4-Dichlorobenzene	9.29	146	4720	0.204	ppb		91
71)	1,2-Dichlorobenzene	9.65	146	4206	0.195	ppb		97
72)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.	d		
73)	1,2,4-Trichlorobenzene	11.23	180	3250	0.184	ppb		95
74)	Hexachlorobutadiene	11.40	225	1682	0.217	ppb		86
75)	Naphthalene	11.47	128	8078	0.174	ppb		94
76)	1,2,3-Trichlorobenzene	11.70	180	3395	0.207	ppb	#	67

(#) = qualifier out of range (m) = manual integration

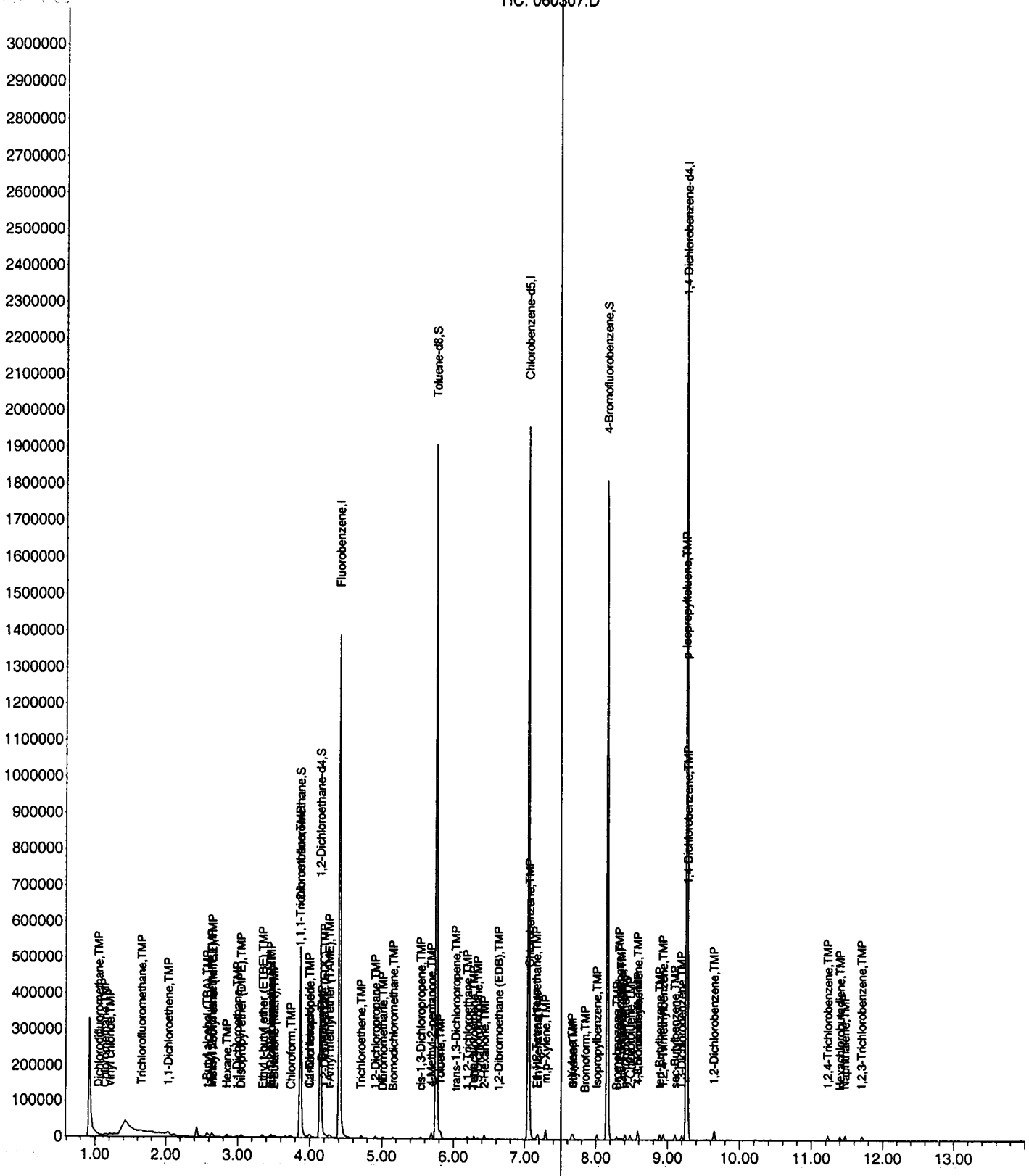
Data File : I:\06-03-15\060307.D
Acq On : 3 Jun 2015 2:14 pm
Sample : 8260 0.2 ppb ICAL 45-145 D
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:14 2015

Vial: 7
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Initial Calibration

TIC: 060307.D



Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060307.D
Acq On : 3 Jun 2015 2:14 pm
Sample : 8260 0.2 ppb ICAL 45-145 D
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 7
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	100	0.00
2	TMP	Ethanol	10.000	0.000	100.0#	0	-1.85#
3	S	Dibromofluoromethane	50.000	48.440	3.1	100	0.00
4	TMP	Dichlorodifluoromethane	0.200	0.195	2.5	100	0.00
5	TMP	Chloromethane	0.200	0.212	-6.0	100	0.00
6	TMP	Vinyl chloride	0.200	0.218	-9.0	100	0.00
7	TMP	Bromomethane	0.200	0.000	100.0#	0	-1.42#
8	TMP	Chloroethane	0.200	0.000	100.0#	0	-1.49#
9	TMP	Trichlorofluoromethane	0.200	0.210	-5.0	100	0.00
10	TMP	2-Propanol	1.000	0.000	100.0#	0	-2.26#
11	TMP	Acetone	1.000	0.000	100.0#	0	-2.11#
12	TMP	1,1-Dichloroethene	0.200	0.209	-4.5	100	0.00
13	TMP	Hexane	0.200	0.253	-26.5	100	-0.01
14	TMP	Methylene chloride	0.200	-1.000	600.0#	0	-2.43#
15	TMP	t-Butyl alcohol (TBA)	10.000	8.681	13.2	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.200	0.197	1.5	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.200	0.202	-1.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.200	0.188	6.0	100	0.00
19	TMP	1,1-Dichloroethane	0.200	0.183	8.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.200	0.210	-5.0	100	0.00
21	TMP	2,2-Dichloropropane	0.200	0.186	7.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.200	0.174	13.0	100	0.00
23	TMP	Chloroform	0.200	0.178	11.0	100	0.00
24	TMP	2-Butanone (MEK)	1.000	1.034	-3.4	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.200	0.208	-4.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.200	0.182	9.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.200	0.176	12.0	100	-0.01
28	TMP	1,1-Dichloropropene	0.200	0.186	7.0	100	0.00
29	TMP	Carbon tetrachloride	0.200	0.173	13.5	100	-0.01
30	S	1,2-Dichloroethane-d4	50.000	50.529	-1.1	100	0.00
31	TMP	Benzene	0.200	0.214	-7.0	100	0.00
32	TMP	Trichloroethene	0.200	0.208	-4.0	100	-0.01
33	TMP	1,2-Dichloropropane	0.200	0.157	21.5	100	0.00
34	TMP	Bromodichloromethane	0.200	0.175	12.5	100	0.00
35	S	Toluene-d8	50.000	49.124	1.8	100	0.00
36	TMP	Dibromomethane	0.200	0.200	0.0	100	0.00
37	TMP	4-Methyl-2-pentanone	1.000	0.817	18.3	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.200	0.163	18.5	100	0.00
39	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
40	TMP	Toluene	0.200	0.203	-1.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.200	0.178	11.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.200	0.182	9.0	100	-0.01
43	TMP	2-Hexanone	1.000	0.905	9.5	100	0.00
44	TMP	1,3-Dichloropropane	0.200	0.190	5.0	100	-0.01
45	TMP	Tetrachloroethene	0.200	0.206	-3.0	100	0.00
46	TMP	Dibromochloromethane	0.200	0.151	24.5	0	-6.54#
47	TMP	1,2-Dibromoethane (EDB)	0.200	0.182	9.0	100	0.00
48	TMP	Chlorobenzene	0.200	0.208	-4.0	100	0.00
49	TMP	Ethylbenzene	0.200	0.203	-1.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.200	0.165	17.5	100	0.00
51	TMP	m,p-Xylene	0.400	0.368	8.0	100	0.00
52	TMP	o-Xylene	0.200	0.198	1.0	100	0.00
53	TMP	Styrene	0.200	0.183	8.5	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060307.D
Acq On : 3 Jun 2015 2:14 pm
Sample : 8260 0.2 ppb ICAL 45-145 D
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 7
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	0.200	0.183	8.5	100	0.00
55	TMP	Bromoform	0.200	0.160	20.0	100	-0.01
56	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	50.000	48.995	2.0	100	0.00
58	TMP	n-Propylbenzene	0.200	0.193	3.5	100	0.00
59	TMP	Bromobenzene	0.200	0.192	4.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.200	0.185	7.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.200	0.193	3.5	100	0.00
62	TMP	1,2,3-Trichloropropane	0.200	0.201	-0.5	100	0.00
63	TMP	2-Chlorotoluene	0.200	0.196	2.0	100	0.00
64	TMP	4-Chlorotoluene	0.200	0.191	4.5	100	0.00
65	TMP	tert-Butylbenzene	0.200	0.179	10.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.200	0.176	12.0	100	0.00
67	TMP	sec-Butylbenzene	0.200	0.181	9.5	100	0.00
68	TMP	p-Isopropyltoluene	0.200	0.190	5.0	100	0.00
69	TMP	1,3-Dichlorobenzene	0.200	0.192	4.0	100	0.00
70	TMP	1,4-Dichlorobenzene	0.200	0.204	-2.0	100	0.00
71	TMP	1,2-Dichlorobenzene	0.200	0.195	2.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.200	0.209	-4.5	0	-10.43#
73	TMP	1,2,4-Trichlorobenzene	0.200	0.184	8.0	100	0.00
74	TMP	Hexachlorobutadiene	0.200	0.217	-8.5	100	0.00
75	TMP	Naphthalene	0.200	0.174	13.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.200	0.207	-3.5	100	-0.01

Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060307.D
Acq On : 3 Jun 2015 2:14 pm
Sample : 8260 0.2 ppb ICAL 45-145 D
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 7
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.005	0.000#	100.0#	0#	-1.85#
3	S	Dibromofluoromethane	0.263	0.255	3.0	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.340	2.0	100	0.00
5	TMP	Chloromethane	0.287	0.304	-5.9	100	0.00
6	TMP	Vinyl chloride	0.350	0.385	-10.0	100	0.00
7	TMP	Bromomethane	0.253	0.000#	100.0#	0#	-1.42#
8	TMP	Chloroethane	0.201	0.000#	100.0#	0#	-1.49#
9	TMP	Trichlorofluoromethane	0.550	0.604	-9.8	100	0.00
10	TMP	2-Propanol	0.034	0.000	100.0#	0#	-2.26#
11	TMP	Acetone	0.038	0.000#	100.0#	0#	-2.11#
12	TMP	1,1-Dichloroethene	0.313	0.327	-4.5	100	0.00
13	TMP	Hexane	0.465	0.588	-26.5	100	-0.01
14	TMP	Methylene chloride	0.451	0.000#	100.0#	0#	-2.43#
15	TMP	t-Butyl alcohol (TBA)	0.069	0.059	14.5	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	1.186	1.170	1.3	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.352	0.356	-1.1	100	0.00
18	TMP	Diisopropyl ether (DIPE)	1.060	0.997	5.9	100	0.00
19	TMP	1,1-Dichloroethane	0.626	0.572	8.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.499	0.524	-5.0	100	0.00
21	TMP	2,2-Dichloropropane	0.380	0.354	6.8	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.404	0.352	12.9	100	0.00
23	TMP	Chloroform	0.677	0.603	10.9	100	0.00
24	TMP	2-Butanone (MEK)	0.052	0.054	-3.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.135	1.190	-4.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.646	0.588	9.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.589	0.518	12.1	100	-0.01
28	TMP	1,1-Dichloropropene	0.542	0.533	1.7	100	0.00
29	TMP	Carbon tetrachloride	0.484	0.418	13.6	100	-0.01
30	S	1,2-Dichloroethane-d4	0.058	0.059	-1.7	100	0.00
31	TMP	Benzene	1.548	1.654	-6.8	100	0.00
32	TMP	Trichloroethene	0.427	0.443	-3.7	100	-0.01
33	TMP	1,2-Dichloropropane	0.338	0.266	21.3	100	0.00
34	TMP	Bromodichloromethane	0.438	0.384	12.3	100	0.00
35	S	Toluene-d8	1.083	1.064	1.8	100	0.00
36	TMP	Dibromomethane	0.245	0.245	0.0	100	0.00
37	TMP	4-Methyl-2-pentanone	0.071	0.058	18.3	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.536	0.437	18.5	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.103	1.117	-1.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.525	0.362	31.0#	100	0.00
42	TMP	1,1,2-Trichloroethane	0.315	0.286	9.2	100	-0.01
43	TMP	2-Hexanone	0.349	0.316	9.5	100	0.00
44	TMP	1,3-Dichloropropane	0.628	0.595	5.3	100	-0.01
45	TMP	Tetrachloroethene	0.392	0.422	-7.7	100	0.00
46	TMP	Dibromochloromethane	0.357	0.000#	100.0#	0#	-6.54#
47	TMP	1,2-Dibromoethane (EDB)	0.394	0.371	5.8	100	0.00
48	TMP	Chlorobenzene	1.318	1.369	-3.9	100	0.00
49	TMP	Ethylbenzene	2.209	2.241	-1.4	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.397	0.327	17.6	100	0.00
51	TMP	m,p-Xylene	0.848	0.780	8.0	100	0.00
52	TMP	o-Xylene	0.844	0.837	0.8	100	0.00
53	TMP	Styrene	1.396	1.274	8.7	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060307.D
Acq On : 3 Jun 2015 2:14 pm
Sample : 8260 0.2 ppb ICAL 45-145 D
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 7
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	2.181	2.084	4.4	100	0.00
55	TMP	Bromoform	0.229	0.197	14.0	100	-0.01
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.913	0.895	2.0	100	0.00
58	TMP	n-Propylbenzene	4.163	4.182	-0.5	100	0.00
59	TMP	Bromobenzene	0.938	0.900	4.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	3.301	3.048	7.7	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.889	0.859	3.4	100	0.00
62	TMP	1,2,3-Trichloropropane	0.782	0.786	-0.5	100	0.00
63	TMP	2-Chlorotoluene	2.657	2.599	2.2	100	0.00
64	TMP	4-Chlorotoluene	3.074	3.050	0.8	100	0.00
65	TMP	tert-Butylbenzene	2.873	2.568	10.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	3.331	2.938	11.8	100	0.00
67	TMP	sec-Butylbenzene	3.862	3.643	5.7	100	0.00
68	TMP	p-Isopropyltoluene	3.576	3.562	0.4	100	0.00
69	TMP	1,3-Dichlorobenzene	1.816	1.803	0.7	100	0.00
70	TMP	1,4-Dichlorobenzene	1.897	2.031	-7.1	100	0.00
71	TMP	1,2-Dichlorobenzene	1.857	1.809	2.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.189	0.000#	100.0#	0#	-10.43#
73	TMP	1,2,4-Trichlorobenzene	1.520	1.398	8.0	100	0.00
74	TMP	Hexachlorobutadiene	0.668	0.724	-8.4	100	0.00
75	TMP	Naphthalene	3.991	3.475	12.9	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.413	1.461	-3.4	100	-0.01

Quantitation Report (QT Reviewed)

Data File : I:\06-03-15\060308.D
Acq On : 3 Jun 2015 2:35 pm
Sample : 8260 0.5 ppb ICAL 45-145 E
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:12 2015

Vial: 8
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:06:19 2015
Response via : Initial Calibration
DataAcq Meth : 826040

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	4.41	96	1068884	50.00	ppb		0.00
39) Chlorobenzene-d5	7.05	117	933965	50.00	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.26	152	591312	50.00	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	3.87	113	275806	49.07	ppb		0.00
Spiked Amount 50.000	Range 0 - 1000			Recovery = 98.14%			
30) 1,2-Dichloroethane-d4	4.14	102	62183	50.24	ppb		0.00
Spiked Amount 50.000	Range 62 - 142			Recovery = 100.48%			
35) Toluene-d8	5.76	98	1120986	48.44	ppb		0.00
Spiked Amount 50.000	Range 55 - 145			Recovery = 96.88%			
57) 4-Bromofluorobenzene	8.16	95	530538	49.13	ppb		0.00
Spiked Amount 50.000	Range 65 - 139			Recovery = 98.26%			
Target Compounds							Qvalue
2) Ethanol	1.84	45	2909m	26.531	ppb		
4) Dichlorodifluoromethane	1.05	85	3724m	0.499	ppb		
5) Chloromethane	1.14	50	2943	0.479	ppb		97
6) Vinyl chloride	1.21	62	3343	0.443	ppb		97
7) Bromomethane	1.42	94	2908m	0.538	ppb		
8) Chloroethane	1.48	64	1799m	0.409	ppb		
9) Trichlorofluoromethane	1.65	101	5870	0.477	ppb		78
10) 2-Propanol	2.25	45	1534m	2.060	ppb		
11) Acetone	2.11	58	2159	2.607	ppb	#	41
12) 1,1-Dichloroethene	2.04	96	3551m	0.530	ppb		
13) Hexane	2.85	57	4973	0.500	ppb		93
14) Methylene chloride	0.00	84	0	N.D.	d		
15) t-Butyl alcohol (TBA)	2.57	59	32124	22.111	ppb		96
16) Methyl t-butyl ether (MTBE	2.65	73	11341	0.447	ppb		100
17) trans-1,2-Dichloroethene	2.65	96	3454	0.459	ppb		86
18) Diisopropyl ether (DIPE)	3.05	45	10551	0.466	ppb		99
19) 1,1-Dichloroethane	2.99	63	6751	0.504	ppb		92
20) Ethyl t-butyl ether (ETBE)	3.35	87	4764	0.447	ppb		93
21) 2,2-Dichloropropane	3.46	77	3646	0.448	ppb		85
22) cis-1,2-Dichloroethene	3.47	96	4114	0.476	ppb		94
23) Chloroform	3.74	83	6507	0.450	ppb		91
24) 2-Butanone (MEK)	3.50	72	2523m	2.270	ppb		
25) t-Amyl methyl ether (TAME)	4.27	73	11425	0.467	ppb		95
26) 1,2-Dichloroethane (EDC)	4.21	62	6383	0.463	ppb		90
27) 1,1,1-Trichloroethane	3.86	97	5411	0.430	ppb		82
28) 1,1-Dichloropropene	4.00	75	5707	0.467	ppb		86
29) Carbon tetrachloride	3.99	117	4364	0.422	ppb		98
31) Benzene	4.18	78	15827	0.478	ppb		91
32) Trichloroethene	4.71	95	4435	0.486	ppb		93
33) 1,2-Dichloropropane	4.92	63	3420	0.473	ppb		86
34) Bromodichloromethane	5.15	83	4108	0.439	ppb		75
36) Dibromomethane	5.02	93	2204	0.421	ppb		79
37) 4-Methyl-2-pentanone	5.69	100	3229	2.136	ppb	#	92
38) cis-1,3-Dichloropropene	5.54	75	4597	0.401	ppb		96
40) Toluene	5.82	92	10052	0.488	ppb		88
41) trans-1,3-Dichloropropene	6.03	75	3804	0.418	ppb		91
42) 1,1,2-Trichloroethane	6.19	83	2711	0.461	ppb		80
43) 2-Hexanone	6.43	43	14533	2.226	ppb		92
44) 1,3-Dichloropropane	6.34	76	5331	0.455	ppb		100
45) Tetrachloroethene	6.29	164	3966	0.517	ppb		86

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : I:\06-03-15\060308.D
Acq On : 3 Jun 2015 2:35 pm
Sample : 8260 0.5 ppb ICAL 45-145 E
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:12 2015

Vial: 8
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:06:19 2015
Response via : Initial Calibration
DataAcq Meth : 826040

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Dibromochloromethane	6.54	129	2402	0.502	ppb		79
47)	1,2-Dibromoethane (EDB)	6.64	107	3282	0.431	ppb		78
48)	Chlorobenzene	7.08	112	12270	0.498	ppb		96
49)	Ethylbenzene	7.18	91	18832	0.456	ppb		96
50)	1,1,1,2-Tetrachloroethane	7.17	131	3309	0.446	ppb		97
51)	m,p-Xylene	7.29	106	15028	0.949	ppb		89
52)	o-Xylene	7.66	106	7216	0.457	ppb		98
53)	Styrene	7.68	104	12166	0.467	ppb		91
54)	Isopropylbenzene	8.01	105	19646	0.463	ppb		99
55)	Bromoform	7.85	173	1635	0.395	ppb		88
58)	n-Propylbenzene	8.41	91	22788	0.445	ppb		98
59)	Bromobenzene	8.29	156	5402	0.487	ppb		93
60)	1,3,5-Trimethylbenzene	8.58	105	18084	0.463	ppb		99
61)	1,1,2,2-Tetrachloroethane	8.33	83	4788	0.456	ppb		91
62)	1,2,3-Trichloropropane	8.36	75	4273	0.462	ppb		68
63)	2-Chlorotoluene	8.47	91	14795	0.471	ppb		88
64)	4-Chlorotoluene	8.58	91	18822	0.497	ppb		96
65)	tert-Butylbenzene	8.89	119	14985	0.441	ppb		87
66)	1,2,4-Trimethylbenzene	8.94	105	17595	0.447	ppb		98
67)	sec-Butylbenzene	9.10	105	21675	0.454	ppb		97
68)	p-Isopropyltoluene	9.25	119	19561	0.441	ppb		93
69)	1,3-Dichlorobenzene	9.20	146	10400	0.468	ppb		93
70)	1,4-Dichlorobenzene	9.29	146	11233	0.477	ppb		90
71)	1,2-Dichlorobenzene	9.65	146	11333	0.516	ppb		88
72)	1,2-Dibromo-3-chloropropan	10.43	75	751	0.549	ppb	#	67
73)	1,2,4-Trichlorobenzene	11.23	180	9114	0.507	ppb		90
74)	Hexachlorobutadiene	11.40	225	4001	0.506	ppb		87
75)	Naphthalene	11.47	128	21335	0.452	ppb		95
76)	1,2,3-Trichlorobenzene	11.71	180	7933	0.475	ppb		77

(#) = qualifier out of range (m) = manual integration

Quantitation Report

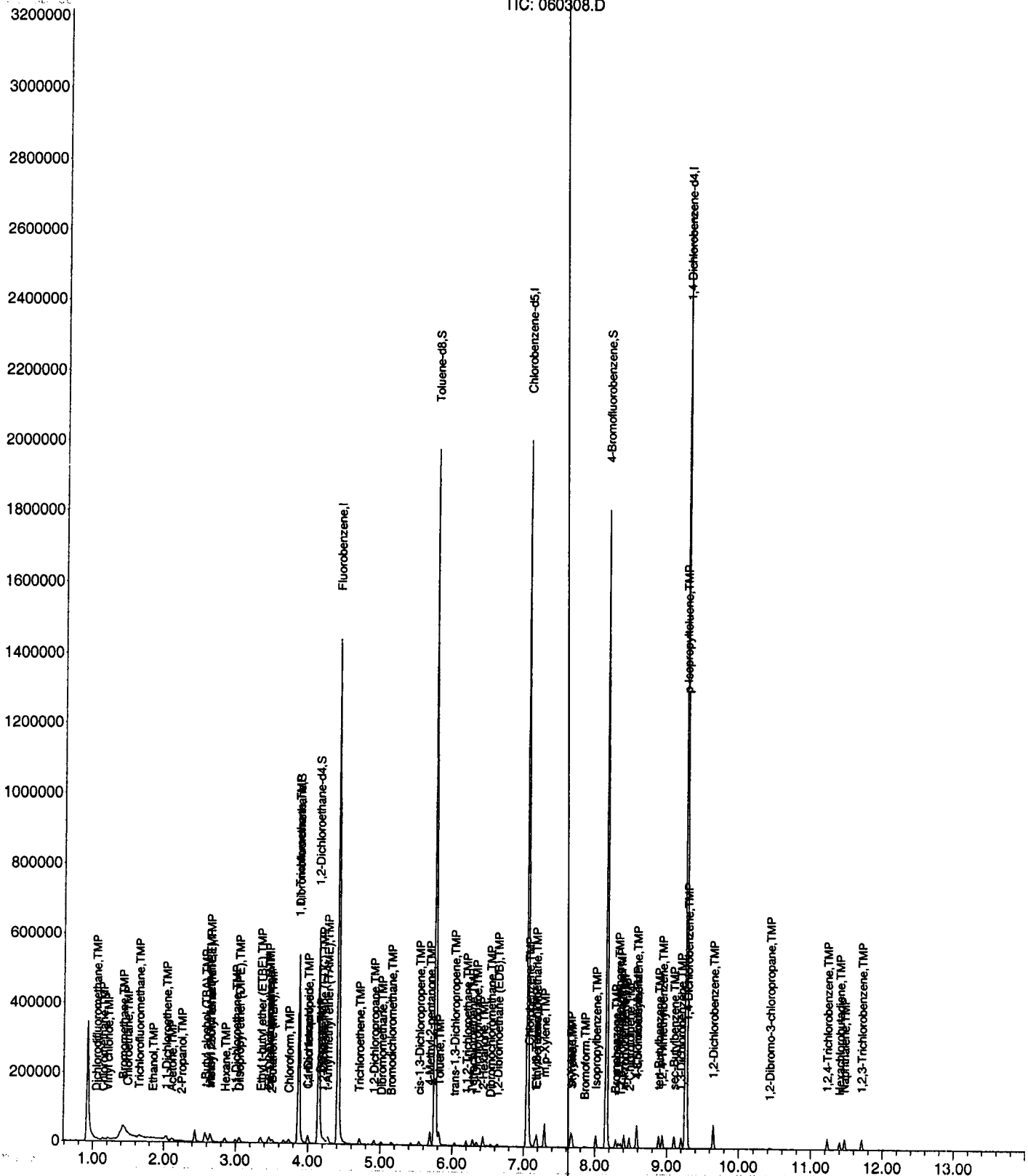
Data File : I:\06-03-15\060308.D
Acq On : 3 Jun 2015 2:35 pm
Sample : 8260 0.5 ppb ICAL 45-145 E
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:12 2015

Vial: 8
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Initial Calibration

TIC: 060308.D



Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060308.D
Acq On : 3 Jun 2015 2:35 pm
Sample : 8260 0.5 ppb ICAL 45-145 E
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 8
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	100	0.00
2	TMP	Ethanol	25.000	26.531	-6.1	100	-0.01
3	S	Dibromofluoromethane	50.000	49.072	1.9	100	0.00
4	TMP	Dichlorodifluoromethane	0.500	0.499	0.2	100	0.00
5	TMP	Chloromethane	0.500	0.479	4.2	100	0.00
6	TMP	Vinyl chloride	0.500	0.443	11.4	100	0.00
7	TMP	Bromomethane	0.500	0.538	-7.6	100	0.00
8	TMP	Chloroethane	0.500	0.409	18.2	100	0.00
9	TMP	Trichlorofluoromethane	0.500	0.477	4.6	100	0.00
10	TMP	2-Propanol	2.500	2.060	17.6	100	-0.02
11	TMP	Acetone	2.500	2.607	-4.3	100	0.00
12	TMP	1,1-Dichloroethene	0.500	0.530	-6.0	100	0.00
13	TMP	Hexane	0.500	0.500	0.0	100	0.00
14	TMP	Methylene chloride	0.500	-1.000	300.0#	0	-2.43#
15	TMP	t-Butyl alcohol (TBA)	25.000	22.111	11.6	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.500	0.447	10.6	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.500	0.459	8.2	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.500	0.466	6.8	100	0.00
19	TMP	1,1-Dichloroethane	0.500	0.504	-0.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.500	0.447	10.6	100	0.00
21	TMP	2,2-Dichloropropane	0.500	0.448	10.4	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.500	0.476	4.8	100	0.00
23	TMP	Chloroform	0.500	0.450	10.0	100	0.00
24	TMP	2-Butanone (MEK)	2.500	2.270	9.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.500	0.467	6.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.500	0.463	7.4	100	0.00
27	TMP	1,1,1-Trichloroethane	0.500	0.430	14.0	100	0.00
28	TMP	1,1-Dichloropropene	0.500	0.467	6.6	100	0.00
29	TMP	Carbon tetrachloride	0.500	0.422	15.6	100	0.00
30	S	1,2-Dichloroethane-d4	50.000	50.245	-0.5	100	0.00
31	TMP	Benzene	0.500	0.478	4.4	100	0.00
32	TMP	Trichloroethene	0.500	0.486	2.8	100	0.00
33	TMP	1,2-Dichloropropane	0.500	0.473	5.4	100	0.00
34	TMP	Bromodichloromethane	0.500	0.439	12.2	100	0.00
35	S	Toluene-d8	50.000	48.441	3.1	100	0.00
36	TMP	Dibromomethane	0.500	0.421	15.8	100	0.00
37	TMP	4-Methyl-2-pentanone	2.500	2.136	14.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.500	0.401	19.8	100	0.00
39	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
40	TMP	Toluene	0.500	0.488	2.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.500	0.418	16.4	100	0.00
42	TMP	1,1,2-Trichloroethane	0.500	0.461	7.8	100	0.00
43	TMP	2-Hexanone	2.500	2.226	11.0	100	0.00
44	TMP	1,3-Dichloropropane	0.500	0.455	9.0	100	0.00
45	TMP	Tetrachloroethene	0.500	0.517	-3.4	100	0.00
46	TMP	Dibromochloromethane	0.500	0.502	-0.4	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.500	0.431	13.8	100	0.00
48	TMP	Chlorobenzene	0.500	0.498	0.4	100	0.00
49	TMP	Ethylbenzene	0.500	0.456	8.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.500	0.446	10.8	100	0.00
51	TMP	m,p-Xylene	1.000	0.949	5.1	100	0.00
52	TMP	o-Xylene	0.500	0.457	8.6	100	0.00
53	TMP	Styrene	0.500	0.467	6.6	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060308.D
Acq On : 3 Jun 2015 2:35 pm
Sample : 8260 0.5 ppb ICAL 45-145 E
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 8
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	0.500	0.463	7.4	100	0.00
55	TMP	Bromoform	0.500	0.395	21.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	50.000	49.134	1.7	100	0.00
58	TMP	n-Propylbenzene	0.500	0.445	11.0	100	0.00
59	TMP	Bromobenzene	0.500	0.487	2.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.500	0.463	7.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.500	0.456	8.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.500	0.462	7.6	100	0.00
63	TMP	2-Chlorotoluene	0.500	0.471	5.8	100	0.00
64	TMP	4-Chlorotoluene	0.500	0.497	0.6	100	0.00
65	TMP	tert-Butylbenzene	0.500	0.441	11.8	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.500	0.447	10.6	100	0.00
67	TMP	sec-Butylbenzene	0.500	0.454	9.2	100	0.00
68	TMP	p-Isopropyltoluene	0.500	0.441	11.8	100	0.00
69	TMP	1,3-Dichlorobenzene	0.500	0.468	6.4	100	0.00
70	TMP	1,4-Dichlorobenzene	0.500	0.477	4.6	100	0.00
71	TMP	1,2-Dichlorobenzene	0.500	0.516	-3.2	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.500	0.549	-9.8	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.500	0.507	-1.4	100	0.00
74	TMP	Hexachlorobutadiene	0.500	0.506	-1.2	100	0.00
75	TMP	Naphthalene	0.500	0.452	9.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.500	0.475	5.0	100	0.00

Data File : I:\06-03-15\060308.D
Acq On : 3 Jun 2015 2:35 pm
Sample : 8260 0.5 ppb ICAL 45-145 E
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 8
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.005	0.005	0.0	100	-0.01
3	S	Dibromofluoromethane	0.263	0.258	1.9	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.348	-0.3	100	0.00
5	TMP	Chloromethane	0.287	0.275	4.2	100	0.00
6	TMP	Vinyl chloride	0.350	0.313	10.6	100	0.00
7	TMP	Bromomethane	0.253	0.272	-7.5	100	0.00
8	TMP	Chloroethane	0.201	0.168	16.4	100	0.00
9	TMP	Trichlorofluoromethane	0.550	0.549	0.2	100	0.00
10	TMP	2-Propanol	0.034	0.029	14.7	100	-0.02
11	TMP	Acetone	0.038	0.040	-5.3	100	0.00
12	TMP	1,1-Dichloroethene	0.313	0.332	-6.1	100	0.00
13	TMP	Hexane	0.465	0.465	0.0	100	0.00
14	TMP	Methylene chloride	0.451	0.000#	100.0#	0#	-2.43#
15	TMP	t-Butyl alcohol (TBA)	0.069	0.060	13.0	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	1.186	1.061	10.5	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.352	0.323	8.2	100	0.00
18	TMP	Diisopropyl ether (DIPE)	1.060	0.987	6.9	100	0.00
19	TMP	1,1-Dichloroethane	0.626	0.632	-1.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.499	0.446	10.6	100	0.00
21	TMP	2,2-Dichloropropane	0.380	0.341	10.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.404	0.385	4.7	100	0.00
23	TMP	Chloroform	0.677	0.609	10.0	100	0.00
24	TMP	2-Butanone (MEK)	0.052	0.047	9.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.135	1.069	5.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.646	0.597	7.6	100	0.00
27	TMP	1,1,1-Trichloroethane	0.589	0.506	14.1	100	0.00
28	TMP	1,1-Dichloropropene	0.542	0.534	1.5	100	0.00
29	TMP	Carbon tetrachloride	0.484	0.408	15.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.058	0.058	0.0	100	0.00
31	TMP	Benzene	1.548	1.481	4.3	100	0.00
32	TMP	Trichloroethene	0.427	0.415	2.8	100	0.00
33	TMP	1,2-Dichloropropane	0.338	0.320	5.3	100	0.00
34	TMP	Bromodichloromethane	0.438	0.384	12.3	100	0.00
35	S	Toluene-d8	1.083	1.049	3.1	100	0.00
36	TMP	Dibromomethane	0.245	0.206	15.9	100	0.00
37	TMP	4-Methyl-2-pentanone	0.071	0.060	15.5	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.536	0.430	19.8	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.103	1.076	2.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.525	0.407	22.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.315	0.290	7.9	100	0.00
43	TMP	2-Hexanone	0.349	0.311	10.9	100	0.00
44	TMP	1,3-Dichloropropane	0.628	0.571	9.1	100	0.00
45	TMP	Tetrachloroethene	0.392	0.425	-8.4	100	0.00
46	TMP	Dibromochloromethane	0.357	0.257	28.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.394	0.351	10.9	100	0.00
48	TMP	Chlorobenzene	1.318	1.314	0.3	100	0.00
49	TMP	Ethylbenzene	2.209	2.016	8.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.397	0.354	10.8	100	0.00
51	TMP	m,p-Xylene	0.848	0.805	5.1	100	0.00
52	TMP	o-Xylene	0.844	0.773	8.4	100	0.00
53	TMP	Styrene	1.396	1.303	6.7	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060308.D
Acq On : 3 Jun 2015 2:35 pm
Sample : 8260 0.5 ppb ICAL 45-145 E
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 8
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	2.181	2.104	3.5	100	0.00
55	TMP	Bromoform	0.229	0.175	23.6	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.913	0.897	1.8	100	0.00
58	TMP	n-Propylbenzene	4.163	3.854	7.4	100	0.00
59	TMP	Bromobenzene	0.938	0.914	2.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	3.301	3.058	7.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.889	0.810	8.9	100	0.00
62	TMP	1,2,3-Trichloropropane	0.782	0.723	7.5	100	0.00
63	TMP	2-Chlorotoluene	2.657	2.502	5.8	100	0.00
64	TMP	4-Chlorotoluene	3.074	3.183	-3.5	100	0.00
65	TMP	tert-Butylbenzene	2.873	2.534	11.8	100	0.00
66	TMP	1,2,4-Trimethylbenzene	3.331	2.976	10.7	100	0.00
67	TMP	sec-Butylbenzene	3.862	3.666	5.1	100	0.00
68	TMP	p-Isopropyltoluene	3.576	3.308	7.5	100	0.00
69	TMP	1,3-Dichlorobenzene	1.816	1.759	3.1	100	0.00
70	TMP	1,4-Dichlorobenzene	1.897	1.900	-0.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.857	1.917	-3.2	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.189	0.127	32.8#	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.520	1.541	-1.4	100	0.00
74	TMP	Hexachlorobutadiene	0.668	0.677	-1.3	100	0.00
75	TMP	Naphthalene	3.991	3.608	9.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.413	1.342	5.0	100	0.00

Quantitation Report (QT Reviewed)

Data File : I:\06-03-15\060309.D
Acq On : 3 Jun 2015 2:56 pm
Sample : 8260 1 ppb ICAL 45-145 F
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:08 2015

Vial: 9
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:06:19 2015
Response via : Initial Calibration
DataAcq Meth : 826040

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	4.41	96	1020816	50.00	ppb		0.00
39) Chlorobenzene-d5	7.05	117	911025	50.00	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.26	152	569997	50.00	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	3.87	113	258889	48.23	ppb		0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 96.46%				
30) 1,2-Dichloroethane-d4	4.14	102	59967	50.74	ppb		0.00
Spiked Amount 50.000	Range 62 - 142		Recovery = 101.48%				
35) Toluene-d8	5.76	98	1091381	49.38	ppb		0.00
Spiked Amount 50.000	Range 55 - 145		Recovery = 98.76%				
57) 4-Bromofluorobenzene	8.16	95	515904	49.57	ppb		0.00
Spiked Amount 50.000	Range 65 - 139		Recovery = 99.14%				
Target Compounds							Qvalue
2) Ethanol	1.86	45	4683m	44.722	ppb		
4) Dichlorodifluoromethane	1.05	85	6998	0.983	ppb		85
5) Chloromethane	1.14	50	6057	1.032	ppb		97
6) Vinyl chloride	1.21	62	7015	0.974	ppb		92
7) Bromomethane	1.42	94	5159m	0.999	ppb		
8) Chloroethane	1.49	64	4577m	1.089	ppb		
9) Trichlorofluoromethane	1.66	101	11424m	0.972	ppb		
10) 2-Propanol	2.26	45	3493m	4.912	ppb		
11) Acetone	2.11	58	4539m	5.740	ppb		
12) 1,1-Dichloroethene	2.03	96	6538	1.022	ppb		95
13) Hexane	2.85	57	10044	1.058	ppb		92
14) Methylene chloride	2.43	84	17899	0.882	ppb		79
15) t-Butyl alcohol (TBA)	2.59	59	69880m	50.362	ppb		
16) Methyl t-butyl ether (MTBE	2.66	73	25160	1.039	ppb		96
17) trans-1,2-Dichloroethene	2.64	96	7362	1.025	ppb		88
18) Diisopropyl ether (DIPE)	3.05	45	22264	1.029	ppb		95
19) 1,1-Dichloroethane	2.99	63	12279	0.960	ppb		96
20) Ethyl t-butyl ether (ETBE)	3.35	87	9651	0.948	ppb		97
21) 2,2-Dichloropropane	3.46	77	7772	1.001	ppb		100
22) cis-1,2-Dichloroethene	3.47	96	8296	1.005	ppb		88
23) Chloroform	3.74	83	13972	1.011	ppb		89
24) 2-Butanone (MEK)	3.51	72	4976	4.688	ppb		90
25) t-Amyl methyl ether (TAME)	4.27	73	24041	1.029	ppb		96
26) 1,2-Dichloroethane (EDC)	4.21	62	13302	1.009	ppb		99
27) 1,1,1-Trichloroethane	3.87	97	11576	0.962	ppb		93
28) 1,1-Dichloropropene	4.00	75	10425	0.893	ppb		90
29) Carbon tetrachloride	3.99	117	8780	0.889	ppb		80
31) Benzene	4.18	78	31362	0.992	ppb		93
32) Trichloroethene	4.71	95	8922	1.024	ppb		88
33) 1,2-Dichloropropane	4.92	63	6881	0.996	ppb		99
34) Bromodichloromethane	5.16	83	7608	0.851	ppb		92
36) Dibromomethane	5.01	93	5210	1.043	ppb		93
37) 4-Methyl-2-pentanone	5.69	100	7025	4.867	ppb	#	86
38) cis-1,3-Dichloropropene	5.54	75	9049	0.826	ppb		93
40) Toluene	5.82	92	19268	0.959	ppb		94
41) trans-1,3-Dichloropropene	6.04	75	8425	0.890	ppb		90
42) 1,1,2-Trichloroethane	6.19	83	5587	0.973	ppb	#	81
43) 2-Hexanone	6.43	43	31394	4.930	ppb		97
44) 1,3-Dichloropropane	6.34	76	11575	1.012	ppb		95
45) Tetrachloroethene	6.29	164	7298	0.975	ppb		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report | (QT Reviewed)

Data File : I:\06-03-15\060309.D
Acq On : 3 Jun 2015 2:56 pm
Sample : 8260 1 ppb ICAL 45-145 F
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:08 2015

Vial: 9
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:06:19 2015
Response via : Initial Calibration
DataAcq Meth : 826040

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	Dibromochloromethane	6.54	129	4336	0.800	ppb	76
47)	1,2-Dibromoethane (EDB)	6.63	107	7115	0.957	ppb	80
48)	Chlorobenzene	7.08	112	24337	1.014	ppb	97
49)	Ethylbenzene	7.18	91	41207	1.024	ppb	99
50)	1,1,1,2-Tetrachloroethane	7.16	131	6249	0.864	ppb	88
51)	m,p-Xylene	7.29	106	30822	1.996	ppb	99
52)	o-Xylene	7.66	106	16157	1.050	ppb	89
53)	Styrene	7.68	104	24669	0.970	ppb	99
54)	Isopropylbenzene	8.01	105	39954	0.965	ppb	94
55)	Bromoform	7.86	173	2918	0.722	ppb	93
58)	n-Propylbenzene	8.41	91	46928	0.950	ppb	99
59)	Bromobenzene	8.29	156	11095	1.038	ppb	91
60)	1,3,5-Trimethylbenzene	8.58	105	35726	0.949	ppb	99
61)	1,1,2,2-Tetrachloroethane	8.33	83	9846	0.972	ppb	93
62)	1,2,3-Trichloropropane	8.35	75	9188	1.030	ppb	98
63)	2-Chlorotoluene	8.48	91	30464	1.006	ppb	96
64)	4-Chlorotoluene	8.58	91	35051	0.961	ppb	97
65)	tert-Butylbenzene	8.89	119	32332	0.987	ppb	95
66)	1,2,4-Trimethylbenzene	8.94	105	36260	0.955	ppb	99
67)	sec-Butylbenzene	9.10	105	42917	0.934	ppb	97
68)	p-Isopropyltoluene	9.25	119	40833	0.954	ppb	98
69)	1,3-Dichlorobenzene	9.20	146	21396	0.998	ppb	90
70)	1,4-Dichlorobenzene	9.29	146	23195	1.023	ppb	99
71)	1,2-Dichlorobenzene	9.65	146	20514	0.969	ppb	96
72)	1,2-Dibromo-3-chloropropan	10.43	75	1790	1.049	ppb	94
73)	1,2,4-Trichlorobenzene	11.23	180	16906	0.976	ppb	90
74)	Hexachlorobutadiene	11.40	225	7514	0.986	ppb	92
75)	Naphthalene	11.47	128	43063	0.947	ppb	99
76)	1,2,3-Trichlorobenzene	11.71	180	17082	1.060	ppb	88

(#) = qualifier out of range (m) = manual integration

Quantitation Report

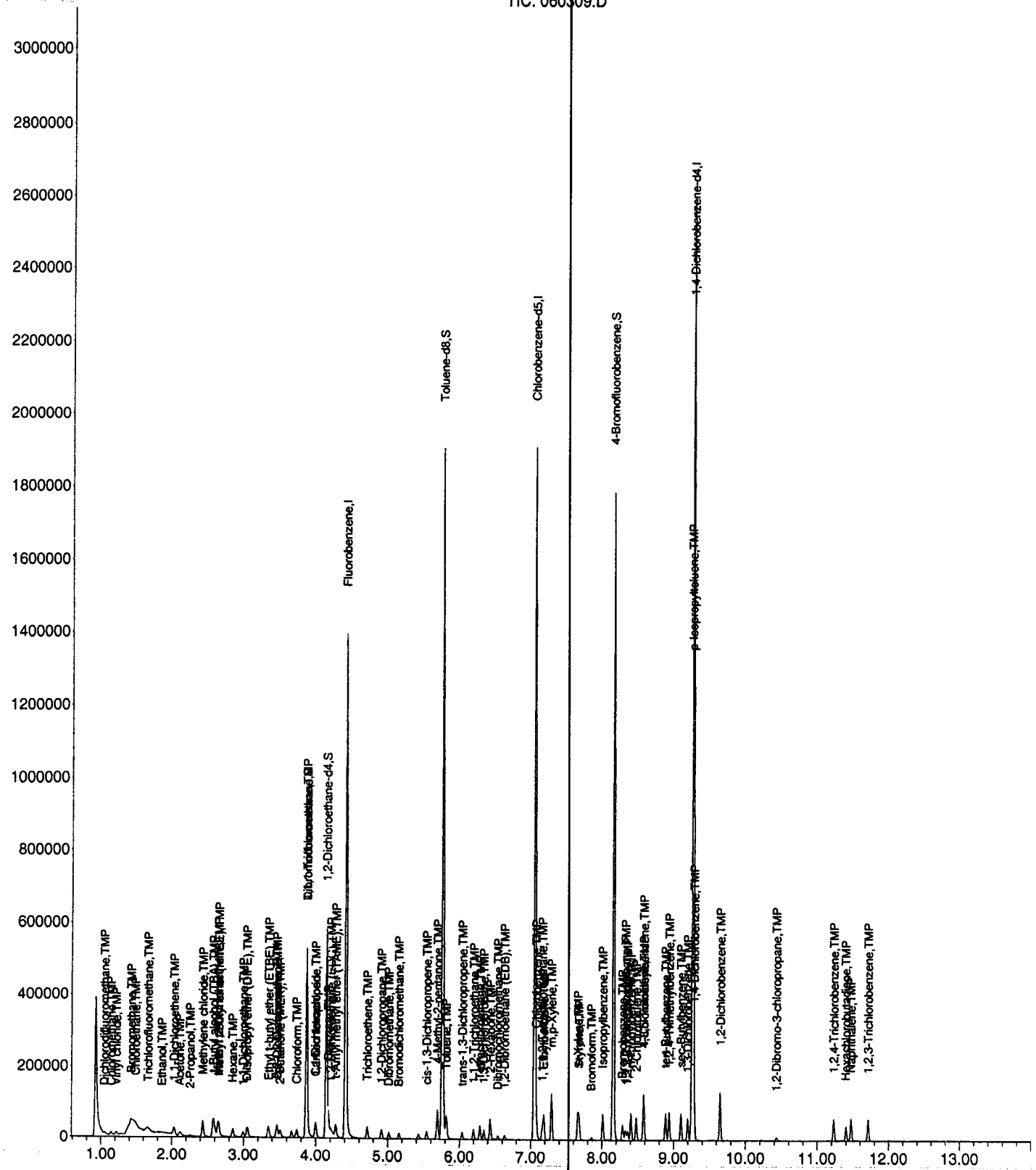
Data File : I:\06-03-15\060309.D
Acq On : 3 Jun 2015 2:56 pm
Sample : 8260 1 ppb ICAL 45-145 F
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:08 2015

Vial: 9
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Initial Calibration

TIC: 060309.D



Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060309.D
Acq On : 3 Jun 2015 2:56 pm
Sample : 8260 1 ppb ICAL 45-145 F
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 9
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	100	0.00
2	TMP	Ethanol	50.000	44.722	10.6	100	0.01
3	S	Dibromofluoromethane	50.000	48.231	3.5	100	0.00
4	TMP	Dichlorodifluoromethane	1.000	0.983	1.7	100	0.00
5	TMP	Chloromethane	1.000	1.032	-3.2	100	0.00
6	TMP	Vinyl chloride	1.000	0.974	2.6	100	0.00
7	TMP	Bromomethane	1.000	0.999	0.1	100	0.00
8	TMP	Chloroethane	1.000	1.089	-8.9	100	0.00
9	TMP	Trichlorofluoromethane	1.000	0.972	2.8	100	0.00
10	TMP	2-Propanol	5.000	4.912	1.8	100	0.00
11	TMP	Acetone	5.000	5.740	-14.8	100	0.00
12	TMP	1,1-Dichloroethene	1.000	1.022	-2.2	100	0.00
13	TMP	Hexane	1.000	1.058	-5.8	100	0.00
14	TMP	Methylene chloride	1.000	0.882	11.8	100	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	50.362	-0.7	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	1.000	1.039	-3.9	100	0.00
17	TMP	trans-1,2-Dichloroethene	1.000	1.025	-2.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	1.000	1.029	-2.9	100	0.00
19	TMP	1,1-Dichloroethane	1.000	0.960	4.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	1.000	0.948	5.2	100	0.00
21	TMP	2,2-Dichloropropane	1.000	1.001	-0.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	1.000	1.005	-0.5	100	0.00
23	TMP	Chloroform	1.000	1.011	-1.1	100	0.00
24	TMP	2-Butanone (MEK)	5.000	4.688	6.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.000	1.029	-2.9	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	1.000	1.009	-0.9	100	0.00
27	TMP	1,1,1-Trichloroethane	1.000	0.962	3.8	100	0.00
28	TMP	1,1-Dichloropropene	1.000	0.893	10.7	100	0.00
29	TMP	Carbon tetrachloride	1.000	0.889	11.1	100	0.00
30	S	1,2-Dichloroethane-d4	50.000	50.736	-1.5	100	0.00
31	TMP	Benzene	1.000	0.992	0.8	100	0.00
32	TMP	Trichloroethene	1.000	1.024	-2.4	100	0.00
33	TMP	1,2-Dichloropropane	1.000	0.996	0.4	100	0.00
34	TMP	Bromodichloromethane	1.000	0.851	14.9	100	0.00
35	S	Toluene-d8	50.000	49.382	1.2	100	0.00
36	TMP	Dibromomethane	1.000	1.043	-4.3	100	0.00
37	TMP	4-Methyl-2-pentanone	5.000	4.867	2.7	100	0.00
38	TMP	cis-1,3-Dichloropropene	1.000	0.826	17.4	100	0.00
39	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
40	TMP	Toluene	1.000	0.959	4.1	100	0.00
41	TMP	trans-1,3-Dichloropropene	1.000	0.890	11.0	100	0.00
42	TMP	1,1,2-Trichloroethane	1.000	0.973	2.7	100	0.00
43	TMP	2-Hexanone	5.000	4.930	1.4	100	0.00
44	TMP	1,3-Dichloropropane	1.000	1.012	-1.2	100	0.00
45	TMP	Tetrachloroethene	1.000	0.975	2.5	100	0.00
46	TMP	Dibromochloromethane	1.000	0.800	20.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	1.000	0.957	4.3	100	-0.01
48	TMP	Chlorobenzene	1.000	1.014	-1.4	100	0.00
49	TMP	Ethylbenzene	1.000	1.024	-2.4	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	1.000	0.864	13.6	100	0.00
51	TMP	m,p-Xylene	2.000	1.996	0.2	100	0.00
52	TMP	o-Xylene	1.000	1.050	-5.0	100	0.00
53	TMP	Styrene	1.000	0.970	3.0	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060309.D
Acq On : 3 Jun 2015 2:56 pm
Sample : 8260 1 ppb ICAL 45-145 F
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 9
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	1.000	0.965	3.5	100	0.00
55	TMP	Bromoform	1.000	0.722	27.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	50.000	49.566	0.9	100	0.00
58	TMP	n-Propylbenzene	1.000	0.950	5.0	100	0.00
59	TMP	Bromobenzene	1.000	1.038	-3.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.000	0.949	5.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	1.000	0.972	2.8	100	0.00
62	TMP	1,2,3-Trichloropropane	1.000	1.030	-3.0	100	0.00
63	TMP	2-Chlorotoluene	1.000	1.006	-0.6	100	0.00
64	TMP	4-Chlorotoluene	1.000	0.961	3.9	100	0.00
65	TMP	tert-Butylbenzene	1.000	0.987	1.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.000	0.955	4.5	100	0.00
67	TMP	sec-Butylbenzene	1.000	0.934	6.6	100	0.00
68	TMP	p-Isopropyltoluene	1.000	0.954	4.6	100	0.00
69	TMP	1,3-Dichlorobenzene	1.000	0.998	0.2	100	0.00
70	TMP	1,4-Dichlorobenzene	1.000	1.023	-2.3	100	0.00
71	TMP	1,2-Dichlorobenzene	1.000	0.969	3.1	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	1.000	1.049	-4.9	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.000	0.976	2.4	100	0.00
74	TMP	Hexachlorobutadiene	1.000	0.986	1.4	100	0.00
75	TMP	Naphthalene	1.000	0.947	5.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.000	1.060	-6.0	100	0.00

Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060309.D
Acq On : 3 Jun 2015 2:56 pm
Sample : 8260 1 ppb ICAL 45-145 F
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 9
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.005	0.005	0.0	100	0.01
3	S	Dibromofluoromethane	0.263	0.254	3.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.343	1.2	100	0.00
5	TMP	Chloromethane	0.287	0.297	-3.5	100	0.00
6	TMP	Vinyl chloride	0.350	0.344	1.7	100	0.00
7	TMP	Bromomethane	0.253	0.253	0.0	100	0.00
8	TMP	Chloroethane	0.201	0.224	-11.4	100	0.00
9	TMP	Trichlorofluoromethane	0.550	0.560	-1.8	100	0.00
10	TMP	2-Propanol	0.034	0.034	0.0	100	0.00
11	TMP	Acetone	0.038	0.044	-15.8	100	0.00
12	TMP	1,1-Dichloroethene	0.313	0.320	-2.2	100	0.00
13	TMP	Hexane	0.465	0.492	-5.8	100	0.00
14	TMP	Methylene chloride	0.451	0.877	-94.5#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.069	0.068	1.4	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	1.186	1.232	-3.9	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.352	0.361	-2.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	1.060	1.091	-2.9	100	0.00
19	TMP	1,1-Dichloroethane	0.626	0.601	4.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.499	0.473	5.2	100	0.00
21	TMP	2,2-Dichloropropane	0.380	0.381	-0.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.404	0.406	-0.5	100	0.00
23	TMP	Chloroform	0.677	0.684	-1.0	100	0.00
24	TMP	2-Butanone (MEK)	0.052	0.049	5.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.135	1.178	-3.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.646	0.652	-0.9	100	0.00
27	TMP	1,1,1-Trichloroethane	0.589	0.567	3.7	100	0.00
28	TMP	1,1-Dichloropropene	0.542	0.511	5.7	100	0.00
29	TMP	Carbon tetrachloride	0.484	0.430	11.2	100	0.00
30	S	1,2-Dichloroethane-d4	0.058	0.059	-1.7	100	0.00
31	TMP	Benzene	1.548	1.536	0.8	100	0.00
32	TMP	Trichloroethene	0.427	0.437	-2.3	100	0.00
33	TMP	1,2-Dichloropropane	0.338	0.337	0.3	100	0.00
34	TMP	Bromodichloromethane	0.438	0.373	14.8	100	0.00
35	S	Toluene-d8	1.083	1.069	1.3	100	0.00
36	TMP	Dibromomethane	0.245	0.255	-4.1	100	0.00
37	TMP	4-Methyl-2-pentanone	0.071	0.069	2.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.536	0.443	17.4	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.103	1.057	4.2	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.525	0.462	12.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.315	0.307	2.5	100	0.00
43	TMP	2-Hexanone	0.349	0.345	1.1	100	0.00
44	TMP	1,3-Dichloropropane	0.628	0.635	-1.1	100	0.00
45	TMP	Tetrachloroethene	0.392	0.401	-2.3	100	0.00
46	TMP	Dibromochloromethane	0.357	0.238	33.3#	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.394	0.390	1.0	100	-0.01
48	TMP	Chlorobenzene	1.318	1.336	-1.4	100	0.00
49	TMP	Ethylbenzene	2.209	2.262	-2.4	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.397	0.343	13.6	100	0.00
51	TMP	m,p-Xylene	0.848	0.846	0.2	100	0.00
52	TMP	o-Xylene	0.844	0.887	-5.1	100	0.00
53	TMP	Styrene	1.396	1.354	3.0	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060309.D
Acq On : 3 Jun 2015 2:56 pm
Sample : 8260 1 ppb ICAL 45-145 F
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 9
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	2.181	2.193	-0.6	100	0.00
55	TMP	Bromoform	0.229	0.160	30.1#	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.913	0.905	0.9	100	0.00
58	TMP	n-Propylbenzene	4.163	4.117	1.1	100	0.00
59	TMP	Bromobenzene	0.938	0.973	-3.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	3.301	3.134	5.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.889	0.864	2.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.782	0.806	-3.1	100	0.00
63	TMP	2-Chlorotoluene	2.657	2.672	-0.6	100	0.00
64	TMP	4-Chlorotoluene	3.074	3.075	-0.0	100	0.00
65	TMP	tert-Butylbenzene	2.873	2.836	1.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	3.331	3.181	4.5	100	0.00
67	TMP	sec-Butylbenzene	3.862	3.765	2.5	100	0.00
68	TMP	p-Isopropyltoluene	3.576	3.582	-0.2	100	0.00
69	TMP	1,3-Dichlorobenzene	1.816	1.877	-3.4	100	0.00
70	TMP	1,4-Dichlorobenzene	1.897	2.035	-7.3	100	0.00
71	TMP	1,2-Dichlorobenzene	1.857	1.799	3.1	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.189	0.157	16.9	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.520	1.483	2.4	100	0.00
74	TMP	Hexachlorobutadiene	0.668	0.659	1.3	100	0.00
75	TMP	Naphthalene	3.991	3.777	5.4	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.413	1.498	-6.0	100	0.00

Quantitation Report (QT Reviewed)

Data File : I:\06-03-15\060310.D
Acq On : 3 Jun 2015 3:18 pm
Sample : 8260 5 ppb ICAL 45-145 G
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:09 2015

Vial: 10
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:06:19 2015
Response via : Initial Calibration
DataAcq Meth : 826040

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	4.41	96	1029883	50.00	ppb		0.00
39) Chlorobenzene-d5	7.05	117	928231	50.00	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.26	152	574239	50.00	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	3.87	113	269431	49.75	ppb		0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 99.50%				
30) 1,2-Dichloroethane-d4	4.14	102	61345	51.44	ppb		0.00
Spiked Amount 50.000	Range 62 - 142		Recovery = 102.88%				
35) Toluene-d8	5.76	98	1101150	49.39	ppb		0.00
Spiked Amount 50.000	Range 55 - 145		Recovery = 98.78%				
57) 4-Bromofluorobenzene	8.16	95	515992	49.21	ppb		0.00
Spiked Amount 50.000	Range 65 - 139		Recovery = 98.42%				
Target Compounds							Qvalue
2) Ethanol	1.85	45	33105m	313.365	ppb		
4) Dichlorodifluoromethane	1.05	85	36245	5.045	ppb		99
5) Chloromethane	1.14	50	32993	5.574	ppb		97
6) Vinyl chloride	1.21	62	38116	5.245	ppb		95
7) Bromomethane	1.42	94	28849	5.535	ppb		95
8) Chloroethane	1.49	64	22645	5.341	ppb		87
9) Trichlorofluoromethane	1.65	101	61439	5.179	ppb		95
10) 2-Propanol	2.25	45	20175	28.121	ppb		97
11) Acetone	2.11	58	21590	27.062	ppb	#	82
12) 1,1-Dichloroethene	2.03	96	34962	5.420	ppb		97
13) Hexane	2.85	57	48348	5.048	ppb		95
14) Methylene chloride	2.43	84	50643	5.557	ppb		96
15) t-Butyl alcohol (TBA)	2.57	59	3885517	277.539	ppb		94
16) Methyl t-butyl ether (MTBE	2.65	73	129287	5.292	ppb		100
17) trans-1,2-Dichloroethene	2.64	96	38195	5.272	ppb		95
18) Diisopropyl ether (DIPE)	3.05	45	116236	5.323	ppb		98
19) 1,1-Dichloroethane	2.99	63	68785	5.333	ppb		98
20) Ethyl t-butyl ether (ETBE)	3.34	87	55538	5.407	ppb		94
21) 2,2-Dichloropropane	3.46	77	40188	5.129	ppb		100
22) cis-1,2-Dichloroethene	3.46	96	45619	5.476	ppb		98
23) Chloroform	3.74	83	77246	5.541	ppb		93
24) 2-Butanone (MEK)	3.50	72	28648	26.754	ppb		90
25) t-Amyl methyl ether (TAME)	4.27	73	124460	5.280	ppb		99
26) 1,2-Dichloroethane (EDC)	4.21	62	70186	5.278	ppb		98
27) 1,1,1-Trichloroethane	3.86	97	62873	5.180	ppb		95
28) 1,1-Dichloropropene	4.00	75	61478	5.218	ppb		98
29) Carbon tetrachloride	3.99	117	51357	5.154	ppb		98
31) Benzene	4.18	78	165348	5.186	ppb		99
32) Trichloroethene	4.71	95	46394	5.278	ppb		97
33) 1,2-Dichloropropane	4.91	63	38094	5.467	ppb		95
34) Bromodichloromethane	5.15	83	44410	4.923	ppb		98
36) Dibromomethane	5.01	93	26817	5.321	ppb		97
37) 4-Methyl-2-pentanone	5.69	100	38483	26.426	ppb	#	92
38) cis-1,3-Dichloropropene	5.54	75	55663	5.037	ppb		96
40) Toluene	5.81	92	109835	5.364	ppb		95
41) trans-1,3-Dichloropropene	6.03	75	49725	4.914	ppb		97
42) 1,1,2-Trichloroethane	6.19	83	29829	5.100	ppb		87
43) 2-Hexanone	6.43	43	174379	26.878	ppb		99
44) 1,3-Dichloropropane	6.34	76	62081	5.324	ppb		96
45) Tetrachloroethene	6.29	164	38890	5.098	ppb		91

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : I:\06-03-15\060310.D
Acq On : 3 Jun 2015 3:18 pm
Sample : 8260 5 ppb ICAL 45-145 G
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:09 2015

Vial: 10
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:06:19 2015
Response via : Initial Calibration
DataAcq Meth : 826040

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46) Dibromochloromethane	6.54	129	31365	4.723 ppb	95
47) 1,2-Dibromoethane (EDB)	6.63	107	39178	5.172 ppb	96
48) Chlorobenzene	7.08	112	129743	5.303 ppb	100
49) Ethylbenzene	7.18	91	216515	5.281 ppb	100
50) 1,1,1,2-Tetrachloroethane	7.16	131	39267	5.328 ppb	97
51) m,p-Xylene	7.29	106	167195	10.624 ppb	98
52) o-Xylene	7.66	106	84804	5.410 ppb	92
53) Styrene	7.68	104	136937	5.284 ppb	99
54) Isopropylbenzene	8.01	105	221638	5.255 ppb	98
55) Bromoform	7.85	173	19028	4.555 ppb	96
58) n-Propylbenzene	8.41	91	252717	5.076 ppb	99
59) Bromobenzene	8.29	156	57403	5.330 ppb	97
60) 1,3,5-Trimethylbenzene	8.58	105	199049	5.251 ppb	99
61) 1,1,2,2-Tetrachloroethane	8.33	83	56709	5.557 ppb	92
62) 1,2,3-Trichloropropane	8.36	75	46458	5.171 ppb	100
63) 2-Chlorotoluene	8.48	91	159718	5.235 ppb	96
64) 4-Chlorotoluene	8.58	91	187318	5.097 ppb	99
65) tert-Butylbenzene	8.89	119	174396	5.286 ppb	98
66) 1,2,4-Trimethylbenzene	8.93	105	202984	5.307 ppb	96
67) sec-Butylbenzene	9.10	105	235872	5.093 ppb	100
68) p-Isopropyltoluene	9.25	119	217081	5.036 ppb	98
69) 1,3-Dichlorobenzene	9.20	146	113455	5.256 ppb	98
70) 1,4-Dichlorobenzene	9.29	146	116943	5.119 ppb	97
71) 1,2-Dichlorobenzene	9.65	146	112836	5.291 ppb	98
72) 1,2-Dibromo-3-chloropropan	10.43	75	9586	4.636 ppb	97
73) 1,2,4-Trichlorobenzene	11.23	180	87986	5.042 ppb	95
74) Hexachlorobutadiene	11.40	225	40258	5.246 ppb	93
75) Naphthalene	11.47	128	242738	5.296 ppb	98
76) 1,2,3-Trichlorobenzene	11.71	180	85373	5.260 ppb	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

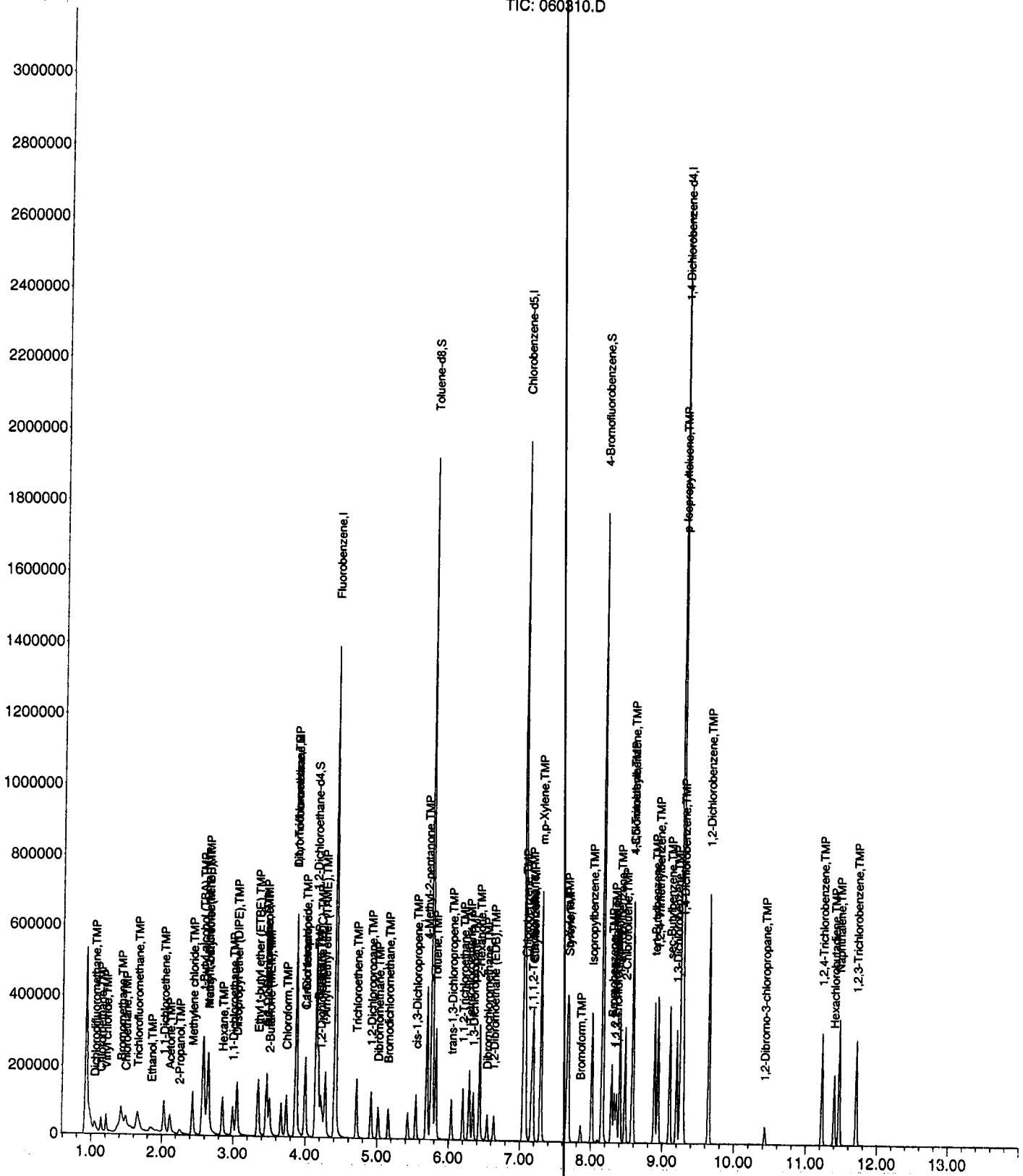
Data File : I:\06-03-15\060310.D
Acq On : 3 Jun 2015 3:18 pm
Sample : 8260 5 ppb ICAL 45-145 G
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:09 2015

Vial: 10
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Initial Calibration

TIC: 060310.D



Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060310.D
Acq On : 3 Jun 2015 3:18 pm
Sample : 8260 5 ppb ICAL 45-145 G
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 10
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	100	0.00
2	TMP	Ethanol	250.000	313.365	-25.3	100	0.00
3	S	Dibromofluoromethane	50.000	49.753	0.5	100	0.00
4	TMP	Dichlorodifluoromethane	5.000	5.045	-0.9	100	0.00
5	TMP	Chloromethane	5.000	5.574	-11.5	100	0.00
6	TMP	Vinyl chloride	5.000	5.245	-4.9	100	0.00
7	TMP	Bromomethane	5.000	5.535	-10.7	100	0.00
8	TMP	Chloroethane	5.000	5.341	-6.8	100	0.00
9	TMP	Trichlorofluoromethane	5.000	5.179	-3.6	100	0.00
10	TMP	2-Propanol	25.000	28.121	-12.5	100	-0.01
11	TMP	Acetone	25.000	27.062	-8.2	100	0.00
12	TMP	1,1-Dichloroethene	5.000	5.420	-8.4	100	0.00
13	TMP	Hexane	5.000	5.048	-1.0	100	0.00
14	TMP	Methylene chloride	5.000	5.557	-11.1	100	0.00
15	TMP	t-Butyl alcohol (TBA)	250.000	277.539	-11.0	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	5.000	5.292	-5.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	5.000	5.272	-5.4	100	0.00
18	TMP	Diisopropyl ether (DIPE)	5.000	5.323	-6.5	100	0.00
19	TMP	1,1-Dichloroethane	5.000	5.333	-6.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	5.000	5.407	-8.1	100	0.00
21	TMP	2,2-Dichloropropane	5.000	5.129	-2.6	100	0.00
22	TMP	cis-1,2-Dichloroethene	5.000	5.476	-9.5	100	0.00
23	TMP	Chloroform	5.000	5.541	-10.8	100	0.00
24	TMP	2-Butanone (MEK)	25.000	26.754	-7.0	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	5.000	5.280	-5.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	5.000	5.278	-5.6	100	0.00
27	TMP	1,1,1-Trichloroethane	5.000	5.180	-3.6	100	0.00
28	TMP	1,1-Dichloropropene	5.000	5.218	-4.4	100	0.00
29	TMP	Carbon tetrachloride	5.000	5.154	-3.1	100	0.00
30	S	1,2-Dichloroethane-d4	50.000	51.445	-2.9	100	0.00
31	TMP	Benzene	5.000	5.186	-3.7	100	0.00
32	TMP	Trichloroethene	5.000	5.278	-5.6	100	0.00
33	TMP	1,2-Dichloropropane	5.000	5.467	-9.3	100	0.00
34	TMP	Bromodichloromethane	5.000	4.923	1.5	100	0.00
35	S	Toluene-d8	50.000	49.386	1.2	100	0.00
36	TMP	Dibromomethane	5.000	5.321	-6.4	100	0.00
37	TMP	4-Methyl-2-pentanone	25.000	26.426	-5.7	100	0.00
38	TMP	cis-1,3-Dichloropropene	5.000	5.037	-0.7	100	0.00
39	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
40	TMP	Toluene	5.000	5.364	-7.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	5.000	4.914	1.7	100	0.00
42	TMP	1,1,2-Trichloroethane	5.000	5.100	-2.0	100	0.00
43	TMP	2-Hexanone	25.000	26.878	-7.5	100	0.00
44	TMP	1,3-Dichloropropane	5.000	5.324	-6.5	100	0.00
45	TMP	Tetrachloroethene	5.000	5.098	-2.0	100	0.00
46	TMP	Dibromochloromethane	5.000	4.723	5.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	5.000	5.172	-3.4	100	0.00
48	TMP	Chlorobenzene	5.000	5.303	-6.1	100	0.00
49	TMP	Ethylbenzene	5.000	5.281	-5.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	5.000	5.328	-6.6	100	0.00
51	TMP	m,p-Xylene	10.000	10.624	-6.2	100	0.00
52	TMP	o-Xylene	5.000	5.410	-8.2	100	0.00
53	TMP	Styrene	5.000	5.284	-5.7	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060310.D
Acq On : 3 Jun 2015 3:18 pm
Sample : 8260 5 ppb ICAL 45-145 G
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 10
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	5.000	5.255	-5.1	100	0.00
55	TMP	Bromoform	5.000	4.555	8.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	50.000	49.208	1.6	100	0.00
58	TMP	n-Propylbenzene	5.000	5.076	-1.5	100	0.00
59	TMP	Bromobenzene	5.000	5.330	-6.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	5.000	5.251	-5.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	5.000	5.557	-11.1	100	0.00
62	TMP	1,2,3-Trichloropropane	5.000	5.171	-3.4	100	0.00
63	TMP	2-Chlorotoluene	5.000	5.235	-4.7	100	0.00
64	TMP	4-Chlorotoluene	5.000	5.097	-1.9	100	0.00
65	TMP	tert-Butylbenzene	5.000	5.286	-5.7	100	0.00
66	TMP	1,2,4-Trimethylbenzene	5.000	5.307	-6.1	100	0.00
67	TMP	sec-Butylbenzene	5.000	5.093	-1.9	100	0.00
68	TMP	p-Isopropyltoluene	5.000	5.036	-0.7	100	0.00
69	TMP	1,3-Dichlorobenzene	5.000	5.256	-5.1	100	0.00
70	TMP	1,4-Dichlorobenzene	5.000	5.119	-2.4	100	0.00
71	TMP	1,2-Dichlorobenzene	5.000	5.291	-5.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	5.000	4.636	7.3	100	0.00
73	TMP	1,2,4-Trichlorobenzene	5.000	5.042	-0.8	100	0.00
74	TMP	Hexachlorobutadiene	5.000	5.246	-4.9	100	0.00
75	TMP	Naphthalene	5.000	5.296	-5.9	100	0.00
76	TMP	1,2,3-Trichlorobenzene	5.000	5.260	-5.2	100	0.00

Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060310.D
Acq On : 3 Jun 2015 3:18 pm
Sample : 8260 5 ppb ICAL 45-145 G
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 10
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.005	0.006	-20.0	100	0.00
3	S	Dibromofluoromethane	0.263	0.262	0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.352	-1.4	100	0.00
5	TMP	Chloromethane	0.287	0.320	-11.5	100	0.00
6	TMP	Vinyl chloride	0.350	0.370	-5.7	100	0.00
7	TMP	Bromomethane	0.253	0.280	-10.7	100	0.00
8	TMP	Chloroethane	0.201	0.220	-9.5	100	0.00
9	TMP	Trichlorofluoromethane	0.550	0.597	-8.5	100	0.00
10	TMP	2-Propanol	0.034	0.039	-14.7	100	-0.01
11	TMP	Acetone	0.038	0.042	-10.5	100	0.00
12	TMP	1,1-Dichloroethene	0.313	0.339	-8.3	100	0.00
13	TMP	Hexane	0.465	0.469	-0.9	100	0.00
14	TMP	Methylene chloride	0.451	0.492	-9.1	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.069	0.075	-8.7	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	1.186	1.255	-5.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.352	0.371	-5.4	100	0.00
18	TMP	Diisopropyl ether (DIPE)	1.060	1.129	-6.5	100	0.00
19	TMP	1,1-Dichloroethane	0.626	0.668	-6.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.499	0.539	-8.0	100	0.00
21	TMP	2,2-Dichloropropane	0.380	0.390	-2.6	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.404	0.443	-9.7	100	0.00
23	TMP	Chloroform	0.677	0.750	-10.8	100	0.00
24	TMP	2-Butanone (MEK)	0.052	0.056	-7.7	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.135	1.208	-6.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.646	0.681	-5.4	100	0.00
27	TMP	1,1,1-Trichloroethane	0.589	0.610	-3.6	100	0.00
28	TMP	1,1-Dichloropropene	0.542	0.597	-10.1	100	0.00
29	TMP	Carbon tetrachloride	0.484	0.499	-3.1	100	0.00
30	S	1,2-Dichloroethane-d4	0.058	0.060	-3.4	100	0.00
31	TMP	Benzene	1.548	1.606	-3.7	100	0.00
32	TMP	Trichloroethene	0.427	0.450	-5.4	100	0.00
33	TMP	1,2-Dichloropropane	0.338	0.370	-9.5	100	0.00
34	TMP	Bromodichloromethane	0.438	0.431	1.6	100	0.00
35	S	Toluene-d8	1.083	1.069	1.3	100	0.00
36	TMP	Dibromomethane	0.245	0.260	-6.1	100	0.00
37	TMP	4-Methyl-2-pentanone	0.071	0.075	-5.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.536	0.540	-0.7	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.103	1.183	-7.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.525	0.536	-2.1	100	0.00
42	TMP	1,1,2-Trichloroethane	0.315	0.321	-1.9	100	0.00
43	TMP	2-Hexanone	0.349	0.376	-7.7	100	0.00
44	TMP	1,3-Dichloropropane	0.628	0.668	-6.4	100	0.00
45	TMP	Tetrachloroethene	0.392	0.419	-6.9	100	0.00
46	TMP	Dibromochloromethane	0.357	0.338	5.3	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.394	0.422	-7.1	100	0.00
48	TMP	Chlorobenzene	1.318	1.398	-6.1	100	0.00
49	TMP	Ethylbenzene	2.209	2.333	-5.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.397	0.423	-6.5	100	0.00
51	TMP	m,p-Xylene	0.848	0.901	-6.3	100	0.00
52	TMP	o-Xylene	0.844	0.914	-8.3	100	0.00
53	TMP	Styrene	1.396	1.475	-5.7	100	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060310.D
Acq On : 3 Jun 2015 3:18 pm
Sample : 8260 5 ppb ICAL 45-145 G
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 10
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	2.181	2.388	-9.5	100	0.00
55	TMP	Bromoform	0.229	0.205	10.5	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.913	0.899	1.5	100	0.00
58	TMP	n-Propylbenzene	4.163	4.401	-5.7	100	0.00
59	TMP	Bromobenzene	0.938	1.000	-6.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	3.301	3.466	-5.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.889	0.988	-11.1	100	0.00
62	TMP	1,2,3-Trichloropropane	0.782	0.809	-3.5	100	0.00
63	TMP	2-Chlorotoluene	2.657	2.781	-4.7	100	0.00
64	TMP	4-Chlorotoluene	3.074	3.262	-6.1	100	0.00
65	TMP	tert-Butylbenzene	2.873	3.037	-5.7	100	0.00
66	TMP	1,2,4-Trimethylbenzene	3.331	3.535	-6.1	100	0.00
67	TMP	sec-Butylbenzene	3.862	4.108	-6.4	100	0.00
68	TMP	p-Isopropyltoluene	3.576	3.780	-5.7	100	0.00
69	TMP	1,3-Dichlorobenzene	1.816	1.976	-8.8	100	0.00
70	TMP	1,4-Dichlorobenzene	1.897	2.036	-7.3	100	0.00
71	TMP	1,2-Dichlorobenzene	1.857	1.965	-5.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.189	0.167	11.6	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.520	1.532	-0.8	100	0.00
74	TMP	Hexachlorobutadiene	0.668	0.701	-4.9	100	0.00
75	TMP	Naphthalene	3.991	4.227	-5.9	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.413	1.487	-5.2	100	0.00

Quantitation Report (QT Reviewed)

Data File : I:\06-03-15\060311.D
Acq On : 3 Jun 2015 3:39 pm
Sample : 8260 10 ppb ICAL 45-145 H
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:10 2015

Vial: 11
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:06:19 2015
Response via : Initial Calibration
DataAcq Meth : 826040

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	4.41	96	1029395	50.00	ppb		0.00
39) Chlorobenzene-d5	7.05	117	924244	50.00	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.26	152	574567	50.00	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	3.87	113	273068	50.45	ppb		0.00
Spiked Amount 50.000	Range 0	- 1000	Recovery = 100.90%				
30) 1,2-Dichloroethane-d4	4.14	102	58877	49.40	ppb		0.00
Spiked Amount 50.000	Range 62	- 142	Recovery = 98.80%				
35) Toluene-d8	5.76	98	1091490	48.98	ppb		0.00
Spiked Amount 50.000	Range 55	- 145	Recovery = 97.96%				
57) 4-Bromofluorobenzene	8.16	95	513141	48.91	ppb		0.00
Spiked Amount 50.000	Range 65	- 139	Recovery = 97.82%				
Target Compounds							Qvalue
2) Ethanol	1.84	45	61828m	585.528	ppb		
4) Dichlorodifluoromethane	1.05	85	70643	9.838	ppb		98
5) Chloromethane	1.14	50	59897	10.123	ppb		97
6) Vinyl chloride	1.21	62	71031	9.780	ppb		97
7) Bromomethane	1.42	94	56417	10.829	ppb		97
8) Chloroethane	1.49	64	42866	10.116	ppb		93
9) Trichlorofluoromethane	1.65	101	113003	9.531	ppb		93
10) 2-Propanol	2.25	45	36791	51.306	ppb		99
11) Acetone	2.11	58	39941	50.089	ppb		96
12) 1,1-Dichloroethene	2.03	96	62392	9.676	ppb		91
13) Hexane	2.85	57	91626	9.572	ppb		93
14) Methylene chloride	2.43	84	84503	10.424	ppb		93
15) t-Butyl alcohol (TBA)	2.57	59	750366	536.281	ppb		97
16) Methyl t-butyl ether (MTBE	2.65	73	247615	10.141	ppb		100
17) trans-1,2-Dichloroethene	2.64	96	72063	9.951	ppb		97
18) Diisopropyl ether (DIPE)	3.05	45	221074	10.129	ppb		98
19) 1,1-Dichloroethane	2.99	63	130411	10.116	ppb		98
20) Ethyl t-butyl ether (ETBE)	3.34	87	105685	10.295	ppb		98
21) 2,2-Dichloropropane	3.46	77	79303	10.125	ppb		97
22) cis-1,2-Dichloroethene	3.46	96	85546	10.273	ppb		98
23) Chloroform	3.74	83	141805	10.176	ppb		97
24) 2-Butanone (MEK)	3.50	72	52959	49.481	ppb		96
25) t-Amyl methyl ether (TAME)	4.27	73	233211	9.899	ppb		98
26) 1,2-Dichloroethane (EDC)	4.21	62	132588	9.976	ppb		100
27) 1,1,1-Trichloroethane	3.86	97	123294	10.163	ppb		98
28) 1,1-Dichloropropene	4.00	75	115491	9.807	ppb		98
29) Carbon tetrachloride	3.99	117	96321	9.672	ppb		99
31) Benzene	4.18	78	302927	9.506	ppb		98
32) Trichloroethene	4.71	95	86888	9.890	ppb		98
33) 1,2-Dichloropropane	4.91	63	71796	10.308	ppb		99
34) Bromodichloromethane	5.15	83	84884	9.414	ppb		99
36) Dibromomethane	5.01	93	50030	9.932	ppb		97
37) 4-Methyl-2-pentanone	5.69	100	75075	51.578	ppb	#	86
38) cis-1,3-Dichloropropene	5.54	75	109504	9.916	ppb		99
40) Toluene	5.82	92	201435	9.880	ppb		98
41) trans-1,3-Dichloropropene	6.04	75	96622	9.486	ppb		97
42) 1,1,2-Trichloroethane	6.19	83	57639	9.897	ppb		91
43) 2-Hexanone	6.43	43	315310	48.811	ppb		99
44) 1,3-Dichloropropane	6.34	76	116459	10.038	ppb		96
45) Tetrachloroethene	6.29	164	71001	9.348	ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : I:\06-03-15\060311.D
Acq On : 3 Jun 2015 3:39 pm
Sample : 8260 10 ppb ICAL 45-145 H
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:10 2015

Vial: 11
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:06:19 2015
Response via : Initial Calibration
DataAcq Meth : 826040

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46) Dibromochloromethane	6.54	129	60683	8.960 ppb	96
47) 1,2-Dibromoethane (EDB)	6.63	107	72493	9.612 ppb	100
48) Chlorobenzene	7.08	112	234488	9.626 ppb	98
49) Ethylbenzene	7.18	91	400180	9.802 ppb	100
50) 1,1,1,2-Tetrachloroethane	7.16	131	74037	10.089 ppb	98
51) m,p-Xylene	7.29	106	302745	19.321 ppb	95
52) o-Xylene	7.66	106	159172	10.198 ppb	100
53) Styrene	7.68	104	255087	9.885 ppb	95
54) Isopropylbenzene	8.01	105	416668	9.921 ppb	99
55) Bromoform	7.85	173	37603	8.896 ppb	95
58) n-Propylbenzene	8.41	91	480785	9.652 ppb	98
59) Bromobenzene	8.29	156	107395	9.966 ppb	98
60) 1,3,5-Trimethylbenzene	8.58	105	370653	9.769 ppb	99
61) 1,1,2,2-Tetrachloroethane	8.33	83	102338	10.022 ppb	96
62) 1,2,3-Trichloropropane	8.35	75	88346	9.829 ppb	97
63) 2-Chlorotoluene	8.48	91	295946	9.694 ppb	97
64) 4-Chlorotoluene	8.58	91	348212	9.469 ppb	99
65) tert-Butylbenzene	8.89	119	321456	9.737 ppb	99
66) 1,2,4-Trimethylbenzene	8.94	105	380814	9.950 ppb	100
67) sec-Butylbenzene	9.10	105	454419	9.806 ppb	98
68) p-Isopropyltoluene	9.25	119	415172	9.627 ppb	99
69) 1,3-Dichlorobenzene	9.20	146	210398	9.741 ppb	98
70) 1,4-Dichlorobenzene	9.29	146	217358	9.509 ppb	96
71) 1,2-Dichlorobenzene	9.65	146	209829	9.833 ppb	99
72) 1,2-Dibromo-3-chloropropan	10.43	75	20248	9.450 ppb	99
73) 1,2,4-Trichlorobenzene	11.23	180	169171	9.688 ppb	98
74) Hexachlorobutadiene	11.40	225	74192	9.662 ppb	97
75) Naphthalene	11.47	128	459233	10.014 ppb	99
76) 1,2,3-Trichlorobenzene	11.71	180	161240	9.928 ppb	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

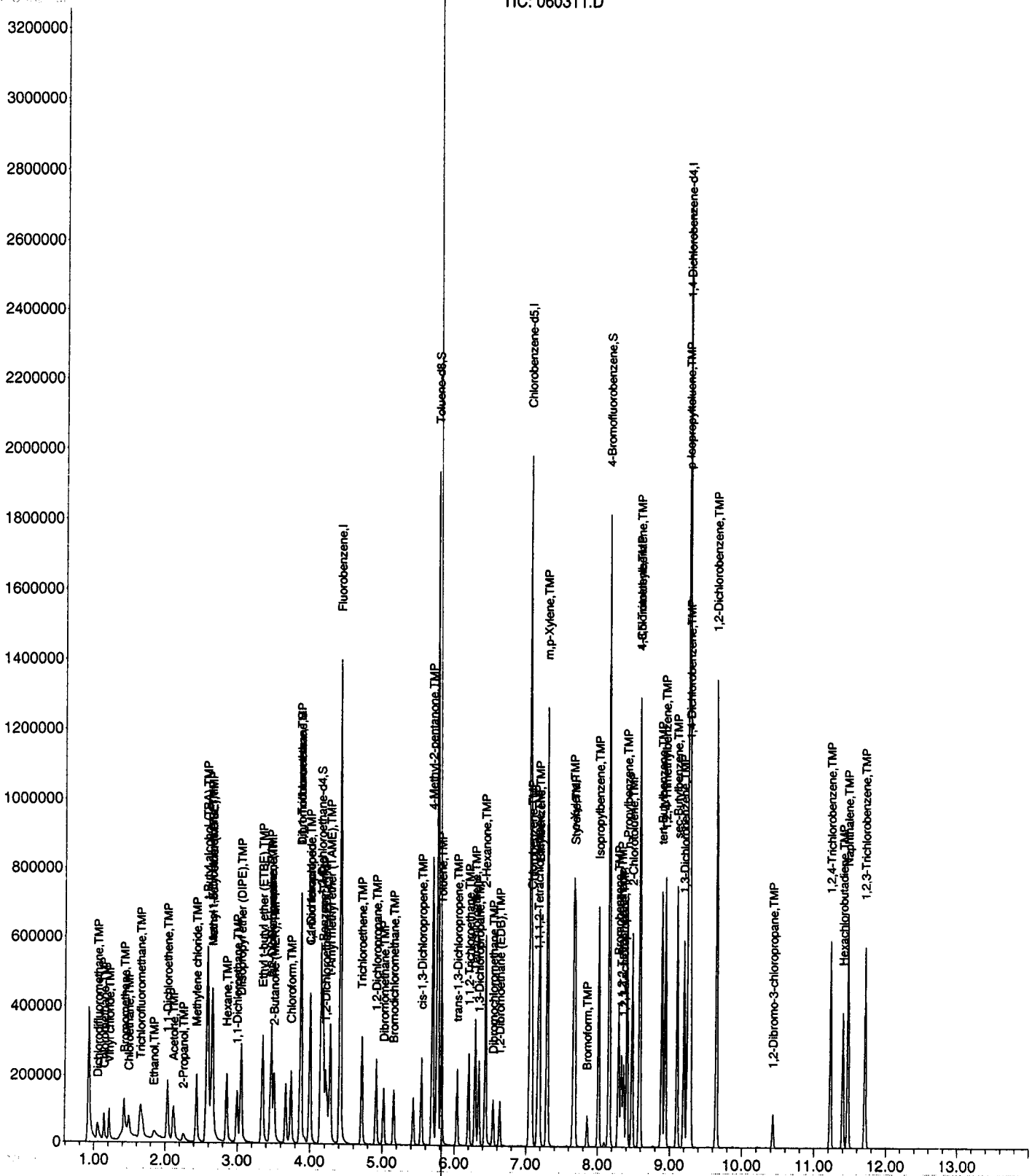
Data File : I:\06-03-15\060311.D
Acq On : 3 Jun 2015 3:39 pm
Sample : 8260 10 ppb ICAL 45-145 H
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:10 2015

Vial: 11
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Initial Calibration

TIC: 060311.D



Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060311.D
Acq On : 3 Jun 2015 3:39 pm
Sample : 8260 10 ppb ICAL 45-145 H
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 11
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	100	0.00
2	TMP	Ethanol	500.000	585.528	-17.1	100	-0.01
3	S	Dibromofluoromethane	50.000	50.449	-0.9	100	0.00
4	TMP	Dichlorodifluoromethane	10.000	9.838	1.6	100	0.00
5	TMP	Chloromethane	10.000	10.123	-1.2	100	0.00
6	TMP	Vinyl chloride	10.000	9.780	2.2	100	0.00
7	TMP	Bromomethane	10.000	10.829	-8.3	100	0.00
8	TMP	Chloroethane	10.000	10.116	-1.2	100	0.00
9	TMP	Trichlorofluoromethane	10.000	9.531	4.7	100	0.00
10	TMP	2-Propanol	50.000	51.306	-2.6	100	-0.01
11	TMP	Acetone	50.000	50.089	-0.2	100	0.00
12	TMP	1,1-Dichloroethene	10.000	9.676	3.2	100	0.00
13	TMP	Hexane	10.000	9.572	4.3	100	0.00
14	TMP	Methylene chloride	10.000	10.424	-4.2	100	0.00
15	TMP	t-Butyl alcohol (TBA)	500.000	536.281	-7.3	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.141	-1.4	100	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	9.951	0.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	10.129	-1.3	100	0.00
19	TMP	1,1-Dichloroethane	10.000	10.116	-1.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	10.295	-2.9	100	0.00
21	TMP	2,2-Dichloropropane	10.000	10.125	-1.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.273	-2.7	100	0.00
23	TMP	Chloroform	10.000	10.176	-1.8	100	0.00
24	TMP	2-Butanone (MEK)	50.000	49.481	1.0	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	9.899	1.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	9.976	0.2	100	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.163	-1.6	100	0.00
28	TMP	1,1-Dichloropropene	10.000	9.807	1.9	100	0.00
29	TMP	Carbon tetrachloride	10.000	9.672	3.3	100	0.00
30	S	1,2-Dichloroethane-d4	50.000	49.398	1.2	100	0.00
31	TMP	Benzene	10.000	9.506	4.9	100	0.00
32	TMP	Trichloroethene	10.000	9.890	1.1	100	0.00
33	TMP	1,2-Dichloropropane	10.000	10.308	-3.1	100	0.00
34	TMP	Bromodichloromethane	10.000	9.414	5.9	100	0.00
35	S	Toluene-d8	50.000	48.976	2.0	100	0.00
36	TMP	Dibromomethane	10.000	9.932	0.7	100	0.00
37	TMP	4-Methyl-2-pentanone	50.000	51.578	-3.2	100	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	9.916	0.8	100	0.00
39	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
40	TMP	Toluene	10.000	9.880	1.2	100	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	9.486	5.1	100	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.897	1.0	100	0.00
43	TMP	2-Hexanone	50.000	48.811	2.4	100	0.00
44	TMP	1,3-Dichloropropane	10.000	10.038	-0.4	100	0.00
45	TMP	Tetrachloroethene	10.000	9.348	6.5	100	0.00
46	TMP	Dibromochloromethane	10.000	8.960	10.4	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	9.612	3.9	100	0.00
48	TMP	Chlorobenzene	10.000	9.626	3.7	100	0.00
49	TMP	Ethylbenzene	10.000	9.802	2.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.089	-0.9	100	0.00
51	TMP	m,p-Xylene	20.000	19.321	3.4	100	0.00
52	TMP	o-Xylene	10.000	10.198	-2.0	100	0.00
53	TMP	Styrene	10.000	9.885	1.2	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060311.D
Acq On : 3 Jun 2015 3:39 pm
Sample : 8260 10 ppb ICAL 45-145 H
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 11
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	10.000	9.921	0.8	100	0.00
55	TMP	Bromoform	10.000	8.896	11.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	50.000	48.908	2.2	100	0.00
58	TMP	n-Propylbenzene	10.000	9.652	3.5	100	0.00
59	TMP	Bromobenzene	10.000	9.966	0.3	100	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	9.769	2.3	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	10.022	-0.2	100	0.00
62	TMP	1,2,3-Trichloropropane	10.000	9.829	1.7	100	0.00
63	TMP	2-Chlorotoluene	10.000	9.694	3.1	100	0.00
64	TMP	4-Chlorotoluene	10.000	9.469	5.3	100	0.00
65	TMP	tert-Butylbenzene	10.000	9.737	2.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	9.950	0.5	100	0.00
67	TMP	sec-Butylbenzene	10.000	9.806	1.9	100	0.00
68	TMP	p-Isopropyltoluene	10.000	9.627	3.7	100	0.00
69	TMP	1,3-Dichlorobenzene	10.000	9.741	2.6	100	0.00
70	TMP	1,4-Dichlorobenzene	10.000	9.509	4.9	100	0.00
71	TMP	1,2-Dichlorobenzene	10.000	9.833	1.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	9.450	5.5	100	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	9.688	3.1	100	0.00
74	TMP	Hexachlorobutadiene	10.000	9.662	3.4	100	0.00
75	TMP	Naphthalene	10.000	10.014	-0.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	9.928	0.7	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060311.D
Acq On : 3 Jun 2015 3:39 pm
Sample : 8260 10 ppb ICAL 45-145 H
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 11
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.005	0.006	-20.0	100	-0.01
3	S	Dibromofluoromethane	0.263	0.265	-0.8	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.343	1.2	100	0.00
5	TMP	Chloromethane	0.287	0.291	-1.4	100	0.00
6	TMP	Vinyl chloride	0.350	0.345	1.4	100	0.00
7	TMP	Bromomethane	0.253	0.274	-8.3	100	0.00
8	TMP	Chloroethane	0.201	0.208	-3.5	100	0.00
9	TMP	Trichlorofluoromethane	0.550	0.549	0.2	100	0.00
10	TMP	2-Propanol	0.034	0.036	-5.9	100	-0.01
11	TMP	Acetone	0.038	0.039	-2.6	100	0.00
12	TMP	1,1-Dichloroethene	0.313	0.303	3.2	100	0.00
13	TMP	Hexane	0.465	0.445	4.3	100	0.00
14	TMP	Methylene chloride	0.451	0.410	9.1	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.069	0.073	-5.8	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	1.186	1.203	-1.4	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.352	0.350	0.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	1.060	1.074	-1.3	100	0.00
19	TMP	1,1-Dichloroethane	0.626	0.633	-1.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.499	0.513	-2.8	100	0.00
21	TMP	2,2-Dichloropropane	0.380	0.385	-1.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.404	0.416	-3.0	100	0.00
23	TMP	Chloroform	0.677	0.689	-1.8	100	0.00
24	TMP	2-Butanone (MEK)	0.052	0.051	1.9	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.135	1.133	0.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.646	0.644	0.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.589	0.599	-1.7	100	0.00
28	TMP	1,1-Dichloropropene	0.542	0.561	-3.5	100	0.00
29	TMP	Carbon tetrachloride	0.484	0.468	3.3	100	0.00
30	S	1,2-Dichloroethane-d4	0.058	0.057	1.7	100	0.00
31	TMP	Benzene	1.548	1.471	5.0	100	0.00
32	TMP	Trichloroethene	0.427	0.422	1.2	100	0.00
33	TMP	1,2-Dichloropropane	0.338	0.349	-3.3	100	0.00
34	TMP	Bromodichloromethane	0.438	0.412	5.9	100	0.00
35	S	Toluene-d8	1.083	1.060	2.1	100	0.00
36	TMP	Dibromomethane	0.245	0.243	0.8	100	0.00
37	TMP	4-Methyl-2-pentanone	0.071	0.073	-2.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.536	0.532	0.7	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.103	1.090	1.2	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.525	0.523	0.4	100	0.00
42	TMP	1,1,2-Trichloroethane	0.315	0.312	1.0	100	0.00
43	TMP	2-Hexanone	0.349	0.341	2.3	100	0.00
44	TMP	1,3-Dichloropropane	0.628	0.630	-0.3	100	0.00
45	TMP	Tetrachloroethene	0.392	0.384	2.0	100	0.00
46	TMP	Dibromochloromethane	0.357	0.328	8.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.394	0.392	0.5	100	0.00
48	TMP	Chlorobenzene	1.318	1.269	3.7	100	0.00
49	TMP	Ethylbenzene	2.209	2.165	2.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.397	0.401	-1.0	100	0.00
51	TMP	m,p-Xylene	0.848	0.819	3.4	100	0.00
52	TMP	o-Xylene	0.844	0.861	-2.0	100	0.00
53	TMP	Styrene	1.396	1.380	1.1	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060311.D
Acq On : 3 Jun 2015 3:39 pm
Sample : 8260 10 ppb ICAL 45-145 H
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 11
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	2.181	2.254	-3.3	100	0.00
55	TMP	Bromoform	0.229	0.203	11.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.913	0.893	2.2	100	0.00
58	TMP	n-Propylbenzene	4.163	4.184	-0.5	100	0.00
59	TMP	Bromobenzene	0.938	0.935	0.3	100	0.00
60	TMP	1,3,5-Trimethylbenzene	3.301	3.225	2.3	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.889	0.891	-0.2	100	0.00
62	TMP	1,2,3-Trichloropropane	0.782	0.769	1.7	100	0.00
63	TMP	2-Chlorotoluene	2.657	2.575	3.1	100	0.00
64	TMP	4-Chlorotoluene	3.074	3.030	1.4	100	0.00
65	TMP	tert-Butylbenzene	2.873	2.797	2.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	3.331	3.314	0.5	100	0.00
67	TMP	sec-Butylbenzene	3.862	3.954	-2.4	100	0.00
68	TMP	p-Isopropyltoluene	3.576	3.613	-1.0	100	0.00
69	TMP	1,3-Dichlorobenzene	1.816	1.831	-0.8	100	0.00
70	TMP	1,4-Dichlorobenzene	1.897	1.891	0.3	100	0.00
71	TMP	1,2-Dichlorobenzene	1.857	1.826	1.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.189	0.176	6.9	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.520	1.472	3.2	100	0.00
74	TMP	Hexachlorobutadiene	0.668	0.646	3.3	100	0.00
75	TMP	Naphthalene	3.991	3.996	-0.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.413	1.403	0.7	100	0.00

Quantitation Report (QT Reviewed)

Data File : I:\06-03-15\060312.D
Acq On : 3 Jun 2015 4:00 pm
Sample : 8260 25 ppb ICAL 45-145 I
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:14 2015

Vial: 12
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:06:19 2015
Response via : Initial Calibration
DataAcq Meth : 826040

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.41	96	1045921	50.00	ppb	0.00
39) Chlorobenzene-d5	7.05	117	963603	50.00	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.26	152	590511	50.00	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	3.87	113	285615	51.93	ppb	0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 103.86%			
30) 1,2-Dichloroethane-d4	4.14	102	60413	49.89	ppb	0.00
Spiked Amount 50.000	Range 62 - 142		Recovery = 99.78%			
35) Toluene-d8	5.76	98	1139869	50.34	ppb	0.00
Spiked Amount 50.000	Range 55 - 145		Recovery = 100.68%			
57) 4-Bromofluorobenzene	8.16	95	535452	49.66	ppb	0.00
Spiked Amount 50.000	Range 65 - 139		Recovery = 99.32%			
Target Compounds						Qvalue
2) Ethanol	1.85	45	118982	1108.988	ppb	98
4) Dichlorodifluoromethane	1.05	85	164656	22.569	ppb	99
5) Chloromethane	1.14	50	134454	22.366	ppb	99
6) Vinyl chloride	1.21	62	166932	22.620	ppb	96
7) Bromomethane	1.42	94	122944	23.226	ppb	100
8) Chloroethane	1.49	64	99565	23.124	ppb	97
9) Trichlorofluoromethane	1.65	101	257307	21.358	ppb	94
10) 2-Propanol	2.25	45	85238	116.989	ppb	95
11) Acetone	2.11	58	87261	107.702	ppb	99
12) 1,1-Dichloroethene	2.03	96	148308	22.637	ppb	96
13) Hexane	2.85	57	214204	22.024	ppb	96
14) Methylene chloride	2.43	84	182344	24.087	ppb	96
15) t-Butyl alcohol (TBA)	2.57	59	1793165	1261.312	ppb	97
16) Methyl t-butyl ether (MTBE	2.65	73	584099	23.544	ppb	97
17) trans-1,2-Dichloroethene	2.64	96	167236	22.727	ppb	98
18) Diisopropyl ether (DIPE)	3.05	45	514152	23.185	ppb	100
19) 1,1-Dichloroethane	2.99	63	311600	23.789	ppb	99
20) Ethyl t-butyl ether (ETBE)	3.34	87	248139	23.789	ppb	96
21) 2,2-Dichloropropane	3.46	77	193583	24.326	ppb	92
22) cis-1,2-Dichloroethene	3.46	96	200622	23.712	ppb	99
23) Chloroform	3.74	83	338409	23.901	ppb	100
24) 2-Butanone (MEK)	3.50	72	131836	121.233	ppb	93
25) t-Amyl methyl ether (TAME)	4.27	73	545442	22.786	ppb	99
26) 1,2-Dichloroethane (EDC)	4.21	62	316362	23.427	ppb	97
27) 1,1,1-Trichloroethane	3.87	97	297208	24.112	ppb	99
28) 1,1-Dichloropropene	4.00	75	269409	22.515	ppb	99
29) Carbon tetrachloride	3.99	117	245429	24.254	ppb	98
31) Benzene	4.18	78	719374	22.217	ppb	98
32) Trichloroethene	4.71	95	209937	23.519	ppb	100
33) 1,2-Dichloropropane	4.91	63	172715	24.405	ppb	98
34) Bromodichloromethane	5.16	83	227686	24.853	ppb	97
36) Dibromomethane	5.01	93	122612	23.957	ppb	98
37) 4-Methyl-2-pentanone	5.69	100	180059	121.750	ppb	96
38) cis-1,3-Dichloropropene	5.54	75	278682	24.836	ppb	98
40) Toluene	5.82	92	486652	22.893	ppb	99
41) trans-1,3-Dichloropropene	6.04	75	256695	23.629	ppb	99
42) 1,1,2-Trichloroethane	6.20	83	139167	22.920	ppb	98
43) 2-Hexanone	6.43	43	794214	117.924	ppb	99
44) 1,3-Dichloropropane	6.34	76	285098	23.571	ppb	99
45) Tetrachloroethene	6.29	164	173545	21.916	ppb	98

(#) = qualifier out of range (m) = manual integration

Data File : I:\06-03-15\060312.D
Acq On : 3 Jun 2015 4:00 pm
Sample : 8260 25 ppb ICAL 45-145 I
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:14 2015

Vial: 12
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:06:19 2015
Response via : Initial Calibration
DataAcq Meth : 826040

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	Dibromochloromethane	6.54	129	170298	23.214	ppb	99
47)	1,2-Dibromoethane (EDB)	6.63	107	186069	23.664	ppb	100
48)	Chlorobenzene	7.08	112	565479	22.265	ppb	97
49)	Ethylbenzene	7.18	91	967370	22.727	ppb	99
50)	1,1,1,2-Tetrachloroethane	7.16	131	190181	24.857	ppb	96
51)	m,p-Xylene	7.29	106	750555	45.943	ppb	99
52)	o-Xylene	7.66	106	376039	23.108	ppb	95
53)	Styrene	7.68	104	627805	23.335	ppb	100
54)	Isopropylbenzene	8.01	105	1006586	22.988	ppb	98
55)	Bromoform	7.86	173	108297	23.336	ppb	96
58)	n-Propylbenzene	8.41	91	1170668	22.867	ppb	100
59)	Bromobenzene	8.29	156	261160	23.582	ppb	99
60)	1,3,5-Trimethylbenzene	8.58	105	894587	22.948	ppb	99
61)	1,1,2,2-Tetrachloroethane	8.33	83	251873	23.999	ppb	97
62)	1,2,3-Trichloropropane	8.36	75	212606	23.014	ppb	99
63)	2-Chlorotoluene	8.48	91	713160	22.729	ppb	100
64)	4-Chlorotoluene	8.58	91	840264	22.234	ppb	99
65)	tert-Butylbenzene	8.89	119	784978	23.136	ppb	99
66)	1,2,4-Trimethylbenzene	8.93	105	922907	23.462	ppb	97
67)	sec-Butylbenzene	9.10	105	1091267	22.913	ppb	98
68)	p-Isopropyltoluene	9.25	119	1005141	22.678	ppb	99
69)	1,3-Dichlorobenzene	9.20	146	506480	22.815	ppb	98
70)	1,4-Dichlorobenzene	9.29	146	514152	21.885	ppb	98
71)	1,2-Dichlorobenzene	9.65	146	500660	22.828	ppb	98
72)	1,2-Dibromo-3-chloropropan	10.43	75	54860	23.786	ppb	95
73)	1,2,4-Trichlorobenzene	11.23	180	407661	22.716	ppb	98
74)	Hexachlorobutadiene	11.40	225	182945	23.181	ppb	98
75)	Naphthalene	11.47	128	1127846	23.930	ppb	99
76)	1,2,3-Trichlorobenzene	11.71	180	395561	23.699	ppb	99

(#) = qualifier out of range (m) = manual integration

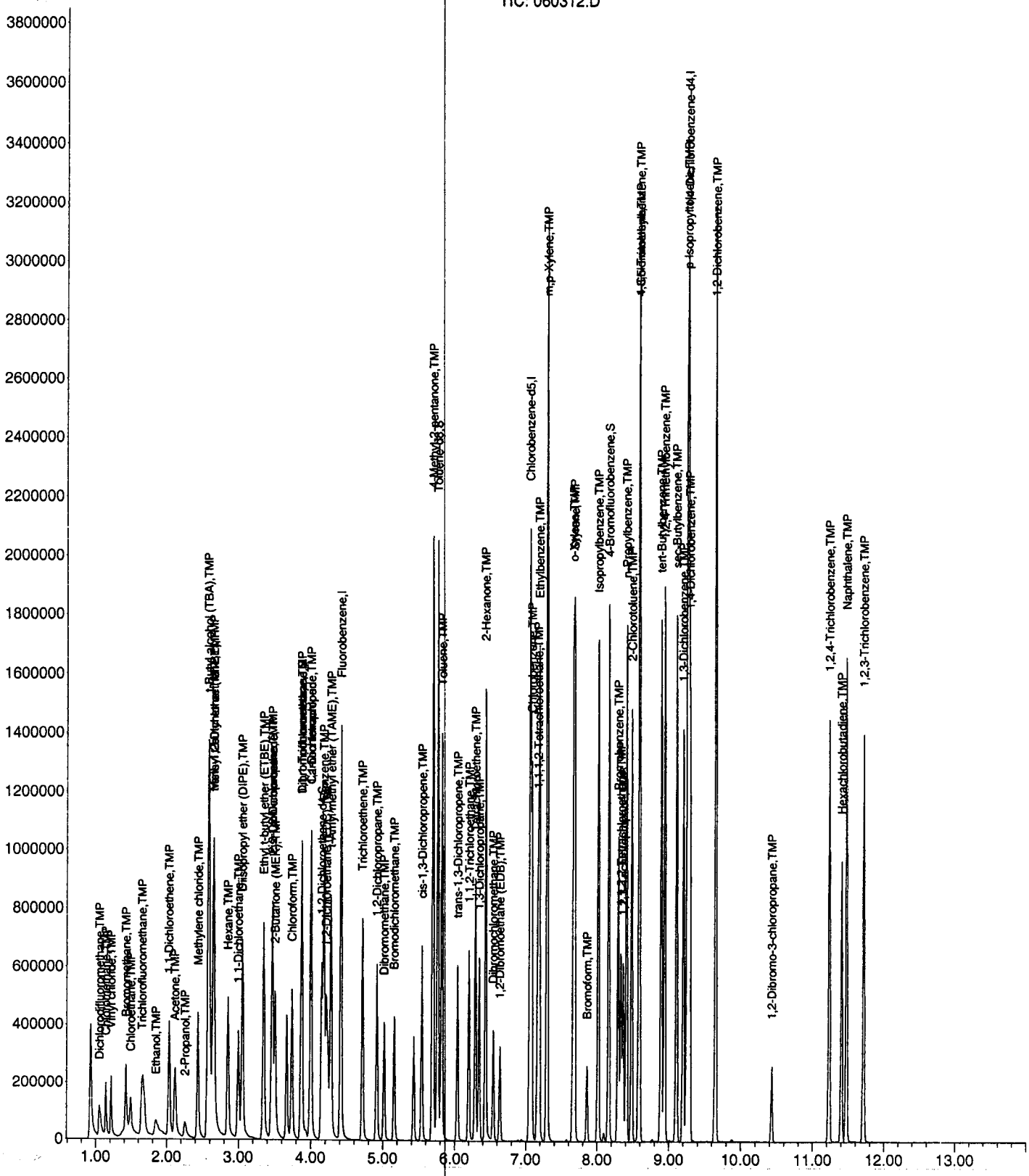
Data File : I:\06-03-15\060312.D
Acq On : 3 Jun 2015 4:00 pm
Sample : 8260 25 ppb ICAL 45-145 I
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:14 2015

Vial: 12
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Initial Calibration

TIC: 060312.D



Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060312.D
Acq On : 3 Jun 2015 4:00 pm
Sample : 8260 25 ppb ICAL 45-145 I
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 12
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	100	0.00
2	TMP	Ethanol	1250.000	1108.988	11.3	100	0.00
3	S	Dibromofluoromethane	50.000	51.933	-3.9	100	0.00
4	TMP	Dichlorodifluoromethane	25.000	22.569	9.7	100	0.00
5	TMP	Chloromethane	25.000	22.366	10.5	100	0.00
6	TMP	Vinyl chloride	25.000	22.620	9.5	100	0.00
7	TMP	Bromomethane	25.000	23.226	7.1	100	0.00
8	TMP	Chloroethane	25.000	23.124	7.5	100	0.00
9	TMP	Trichlorofluoromethane	25.000	21.358	14.6	100	-0.01
10	TMP	2-Propanol	125.000	116.989	6.4	100	-0.01
11	TMP	Acetone	125.000	107.702	13.8	100	0.00
12	TMP	1,1-Dichloroethene	25.000	22.637	9.5	100	0.00
13	TMP	Hexane	25.000	22.024	11.9	100	0.00
14	TMP	Methylene chloride	25.000	24.087	3.7	100	0.00
15	TMP	t-Butyl alcohol (TBA)	1250.000	1261.312	-0.9	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	25.000	23.544	5.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	25.000	22.727	9.1	100	0.00
18	TMP	Diisopropyl ether (DIPE)	25.000	23.185	7.3	100	0.00
19	TMP	1,1-Dichloroethane	25.000	23.789	4.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	25.000	23.789	4.8	100	0.00
21	TMP	2,2-Dichloropropane	25.000	24.326	2.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	25.000	23.712	5.2	100	0.00
23	TMP	Chloroform	25.000	23.901	4.4	100	0.00
24	TMP	2-Butanone (MEK)	125.000	121.233	3.0	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	25.000	22.786	8.9	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	25.000	23.427	6.3	100	0.00
27	TMP	1,1,1-Trichloroethane	25.000	24.112	3.6	100	0.00
28	TMP	1,1-Dichloropropene	25.000	22.515	9.9	100	0.00
29	TMP	Carbon tetrachloride	25.000	24.254	3.0	100	0.00
30	S	1,2-Dichloroethane-d4	50.000	49.886	0.2	100	0.00
31	TMP	Benzene	25.000	22.217	11.1	100	0.00
32	TMP	Trichloroethene	25.000	23.519	5.9	100	0.00
33	TMP	1,2-Dichloropropane	25.000	24.405	2.4	100	0.00
34	TMP	Bromodichloromethane	25.000	24.853	0.6	100	0.00
35	S	Toluene-d8	50.000	50.338	-0.7	100	0.00
36	TMP	Dibromomethane	25.000	23.957	4.2	100	0.00
37	TMP	4-Methyl-2-pentanone	125.000	121.750	2.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	25.000	24.836	0.7	100	0.00
39	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
40	TMP	Toluene	25.000	22.893	8.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	25.000	23.629	5.5	100	0.00
42	TMP	1,1,2-Trichloroethane	25.000	22.920	8.3	100	0.00
43	TMP	2-Hexanone	125.000	117.924	5.7	100	0.00
44	TMP	1,3-Dichloropropane	25.000	23.571	5.7	100	0.00
45	TMP	Tetrachloroethene	25.000	21.916	12.3	100	0.00
46	TMP	Dibromochloromethane	25.000	23.214	7.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	25.000	23.664	5.3	100	0.00
48	TMP	Chlorobenzene	25.000	22.265	10.9	100	0.00
49	TMP	Ethylbenzene	25.000	22.727	9.1	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	25.000	24.857	0.6	100	0.00
51	TMP	m,p-Xylene	50.000	45.943	8.1	100	0.00
52	TMP	o-Xylene	25.000	23.108	7.6	100	0.00
53	TMP	Styrene	25.000	23.335	6.7	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060312.D
Acq On : 3 Jun 2015 4:00 pm
Sample : 8260 25 ppb ICAL 45-145 I
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 12
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	25.000	22.988	8.0	100	0.00
55	TMP	Bromoform	25.000	23.336	6.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	50.000	49.656	0.7	100	0.00
58	TMP	n-Propylbenzene	25.000	22.867	8.5	100	0.00
59	TMP	Bromobenzene	25.000	23.582	5.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	25.000	22.948	8.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	25.000	23.999	4.0	100	0.00
62	TMP	1,2,3-Trichloropropane	25.000	23.014	7.9	100	0.00
63	TMP	2-Chlorotoluene	25.000	22.729	9.1	100	0.00
64	TMP	4-Chlorotoluene	25.000	22.234	11.1	100	0.00
65	TMP	tert-Butylbenzene	25.000	23.136	7.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	25.000	23.462	6.2	100	0.00
67	TMP	sec-Butylbenzene	25.000	22.913	8.3	100	0.00
68	TMP	p-Isopropyltoluene	25.000	22.678	9.3	100	0.00
69	TMP	1,3-Dichlorobenzene	25.000	22.815	8.7	100	0.00
70	TMP	1,4-Dichlorobenzene	25.000	21.885	12.5	100	0.00
71	TMP	1,2-Dichlorobenzene	25.000	22.828	8.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	25.000	23.786	4.9	100	0.00
73	TMP	1,2,4-Trichlorobenzene	25.000	22.716	9.1	100	0.00
74	TMP	Hexachlorobutadiene	25.000	23.181	7.3	100	0.00
75	TMP	Naphthalene	25.000	23.930	4.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	25.000	23.699	5.2	100	0.00

Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060312.D
Acq On : 3 Jun 2015 4:00 pm
Sample : 8260 25 ppb ICAL 45-145 I
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 12
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.005	0.005	0.0	100	0.00
3	S	Dibromofluoromethane	0.263	0.273	-3.8	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.315	9.2	100	0.00
5	TMP	Chloromethane	0.287	0.257	10.5	100	0.00
6	TMP	Vinyl chloride	0.350	0.319	8.9	100	0.00
7	TMP	Bromomethane	0.253	0.235	7.1	100	0.00
8	TMP	Chloroethane	0.201	0.190	5.5	100	0.00
9	TMP	Trichlorofluoromethane	0.550	0.492	10.5	100	-0.01
10	TMP	2-Propanol	0.034	0.033	2.9	100	-0.01
11	TMP	Acetone	0.038	0.033	13.2	100	0.00
12	TMP	1,1-Dichloroethene	0.313	0.284	9.3	100	0.00
13	TMP	Hexane	0.465	0.410	11.8	100	0.00
14	TMP	Methylene chloride	0.451	0.349	22.6	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.069	0.069	0.0	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	1.186	1.117	5.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.352	0.320	9.1	100	0.00
18	TMP	Diisopropyl ether (DIPE)	1.060	0.983	7.3	100	0.00
19	TMP	1,1-Dichloroethane	0.626	0.596	4.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.499	0.474	5.0	100	0.00
21	TMP	2,2-Dichloropropane	0.380	0.370	2.6	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.404	0.384	5.0	100	0.00
23	TMP	Chloroform	0.677	0.647	4.4	100	0.00
24	TMP	2-Butanone (MEK)	0.052	0.050	3.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.135	1.043	8.1	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.646	0.605	6.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.589	0.568	3.6	100	0.00
28	TMP	1,1-Dichloropropene	0.542	0.515	5.0	100	0.00
29	TMP	Carbon tetrachloride	0.484	0.469	3.1	100	0.00
30	S	1,2-Dichloroethane-d4	0.058	0.058	0.0	100	0.00
31	TMP	Benzene	1.548	1.376	11.1	100	0.00
32	TMP	Trichloroethene	0.427	0.401	6.1	100	0.00
33	TMP	1,2-Dichloropropane	0.338	0.330	2.4	100	0.00
34	TMP	Bromodichloromethane	0.438	0.435	0.7	100	0.00
35	S	Toluene-d8	1.083	1.090	-0.6	100	0.00
36	TMP	Dibromomethane	0.245	0.234	4.5	100	0.00
37	TMP	4-Methyl-2-pentanone	0.071	0.069	2.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.536	0.533	0.6	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.103	1.010	8.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.525	0.533	-1.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.315	0.289	8.3	100	0.00
43	TMP	2-Hexanone	0.349	0.330	5.4	100	0.00
44	TMP	1,3-Dichloropropane	0.628	0.592	5.7	100	0.00
45	TMP	Tetrachloroethene	0.392	0.360	8.2	100	0.00
46	TMP	Dibromochloromethane	0.357	0.353	1.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.394	0.386	2.0	100	0.00
48	TMP	Chlorobenzene	1.318	1.174	10.9	100	0.00
49	TMP	Ethylbenzene	2.209	2.008	9.1	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.397	0.395	0.5	100	0.00
51	TMP	m,p-Xylene	0.848	0.779	8.1	100	0.00
52	TMP	o-Xylene	0.844	0.780	7.6	100	0.00
53	TMP	Styrene	1.396	1.303	6.7	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060312.D
Acq On : 3 Jun 2015 4:00 pm
Sample : 8260 25 ppb ICAL 45-145 I
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 12
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	2.181	2.089	4.2	100	0.00
55	TMP	Bromoform	0.229	0.225	1.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.913	0.907	0.7	100	0.00
58	TMP	n-Propylbenzene	4.163	3.965	4.8	100	0.00
59	TMP	Bromobenzene	0.938	0.885	5.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	3.301	3.030	8.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.889	0.853	4.0	100	0.00
62	TMP	1,2,3-Trichloropropane	0.782	0.720	7.9	100	0.00
63	TMP	2-Chlorotoluene	2.657	2.415	9.1	100	0.00
64	TMP	4-Chlorotoluene	3.074	2.846	7.4	100	0.00
65	TMP	tert-Butylbenzene	2.873	2.659	7.4	100	0.00
66	TMP	1,2,4-Trimethylbenzene	3.331	3.126	6.2	100	0.00
67	TMP	sec-Butylbenzene	3.862	3.696	4.3	100	0.00
68	TMP	p-Isopropyltoluene	3.576	3.404	4.8	100	0.00
69	TMP	1,3-Dichlorobenzene	1.816	1.715	5.6	100	0.00
70	TMP	1,4-Dichlorobenzene	1.897	1.741	8.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.857	1.696	8.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.189	0.186	1.6	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.520	1.381	9.1	100	0.00
74	TMP	Hexachlorobutadiene	0.668	0.620	7.2	100	0.00
75	TMP	Naphthalene	3.991	3.820	4.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.413	1.340	5.2	100	0.00

Quantitation Report (QT Reviewed)

Data File : I:\06-03-15\060313.D
Acq On : 3 Jun 2015 4:21 pm
Sample : 8260 50 ppb ICAL 45-145 J
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:28 2015

Vial: 13
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:23:07 2015
Response via : Initial Calibration
DataAcq Meth : 826040

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.42	96	1067527	50.00	ppb	0.00
39) Chlorobenzene-d5	7.05	117	988044	50.00	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.26	152	601537	50.00	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	3.87	113	287961	51.30	ppb	0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 102.60%			
30) 1,2-Dichloroethane-d4	4.15	102	60267	48.76	ppb	0.00
Spiked Amount 50.000	Range 62 - 142		Recovery = 97.52%			
35) Toluene-d8	5.76	98	1177881	50.96	ppb	0.00
Spiked Amount 50.000	Range 55 - 145		Recovery = 101.92%			
57) 4-Bromofluorobenzene	8.16	95	550136	50.08	ppb	0.00
Spiked Amount 50.000	Range 65 - 139		Recovery = 100.16%			
Target Compounds						Qvalue
2) Ethanol	1.85	45	230585	2028.174	ppb	100
4) Dichlorodifluoromethane	1.05	85	337528	45.524	ppb	100
5) Chloromethane	1.14	50	283628	46.225	ppb	100
6) Vinyl chloride	1.21	62	350904	46.896	ppb	100
7) Bromomethane	1.42	94	244806	45.361	ppb	100
8) Chloroethane	1.49	64	208211	48.538	ppb	100
9) Trichlorofluoromethane	1.66	101	558658	47.556	ppb	100
10) 2-Propanol	2.26	45	183225	249.465	ppb	100
11) Acetone	2.11	58	181940	222.939	ppb	100
12) 1,1-Dichloroethene	2.03	96	322945	48.296	ppb	100
13) Hexane	2.85	57	456620	45.998	ppb	100
14) Methylene chloride	2.43	84	373096	50.121	ppb	100
15) t-Butyl alcohol (TBA)	2.59	59	3664650	2496.938	ppb	100
16) Methyl t-butyl ether (MTBE	2.66	73	1224731	48.367	ppb	100
17) trans-1,2-Dichloroethene	2.64	96	365815	48.708	ppb	100
18) Diisopropyl ether (DIPE)	3.05	45	1092672	48.275	ppb	100
19) 1,1-Dichloroethane	2.99	63	669573	50.084	ppb	100
20) Ethyl t-butyl ether (ETBE)	3.35	87	523380	49.164	ppb	100
21) 2,2-Dichloropropane	3.46	77	420963	51.828	ppb	100
22) cis-1,2-Dichloroethene	3.47	96	421041	48.757	ppb	100
23) Chloroform	3.74	83	719587	49.793	ppb	100
24) 2-Butanone (MEK)	3.51	72	272512	245.514	ppb	100
25) t-Amyl methyl ether (TAME)	4.27	73	1180713	48.733	ppb	100
26) 1,2-Dichloroethane (EDC)	4.21	62	652201	47.318	ppb	100
27) 1,1,1-Trichloroethane	3.87	97	646997	51.427	ppb	100
28) 1,1-Dichloropropene	4.00	75	572185	49.480	ppb	100
29) Carbon tetrachloride	4.00	117	542497	52.527	ppb	100
31) Benzene	4.18	78	1519764	47.873	ppb	100
32) Trichloroethene	4.71	95	450502	49.448	ppb	100
33) 1,2-Dichloropropane	4.91	63	373261	51.676	ppb	100
34) Bromodichloromethane	5.16	83	507649	54.291	ppb	100
36) Dibromomethane	5.02	93	263968	50.534	ppb	100
37) 4-Methyl-2-pentanone	5.69	100	374183	247.889	ppb	100
38) cis-1,3-Dichloropropene	5.54	75	629544	54.969	ppb	100
40) Toluene	5.82	92	1036746	47.565	ppb	100
41) trans-1,3-Dichloropropene	6.04	75	596400	51.383	ppb	100
42) 1,1,2-Trichloroethane	6.20	83	301970	50.347	ppb	100
43) 2-Hexanone	6.43	43	1771778	256.565	ppb	100
44) 1,3-Dichloropropane	6.35	76	619875	49.981	ppb	100
45) Tetrachloroethene	6.29	164	367309	47.385	ppb	100

(#) = qualifier out of range (m) = manual integration

Data File : I:\06-03-15\060313.D
Acq On : 3 Jun 2015 4:21 pm
Sample : 8260 50 ppb ICAL 45-145 J
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:28 2015

Vial: 13
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:23:07 2015
Response via : Initial Calibration
DataAcq Meth : 826040

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	Dibromochloromethane	6.54	129	414608	51.861	ppb	100
47)	1,2-Dibromoethane (EDB)	6.64	107	402538	51.698	ppb	100
48)	Chlorobenzene	7.08	112	1217659	46.757	ppb	100
49)	Ethylbenzene	7.18	91	2089138	47.868	ppb	100
50)	1,1,1,2-Tetrachloroethane	7.16	131	420269	53.570	ppb	100
51)	m,p-Xylene	7.29	106	1613383	96.315	ppb	100
52)	o-Xylene	7.66	106	811168	48.613	ppb	100
53)	Styrene	7.68	104	1354833	49.113	ppb	100
54)	Isopropylbenzene	8.01	105	2149858	49.887	ppb	100
55)	Bromoform	7.86	173	268847	50.039	ppb	100
58)	n-Propylbenzene	8.41	91	2481080	49.540	ppb	100
59)	Bromobenzene	8.29	156	554235	49.128	ppb	100
60)	1,3,5-Trimethylbenzene	8.58	105	1903692	47.939	ppb	100
61)	1,1,2,2-Tetrachloroethane	8.33	83	535110	50.052	ppb	100
62)	1,2,3-Trichloropropane	8.36	75	453839	48.226	ppb	100
63)	2-Chlorotoluene	8.48	91	1505021	47.087	ppb	100
64)	4-Chlorotoluene	8.58	91	1791859	48.445	ppb	100
65)	tert-Butylbenzene	8.89	119	1674851	48.458	ppb	100
66)	1,2,4-Trimethylbenzene	8.94	105	1958680	48.882	ppb	100
67)	sec-Butylbenzene	9.10	105	2326062	50.063	ppb	100
68)	p-Isopropyltoluene	9.25	119	2150970	49.999	ppb	100
69)	1,3-Dichlorobenzene	9.20	146	1067176	48.850	ppb	100
70)	1,4-Dichlorobenzene	9.29	146	1078042	47.230	ppb	100
71)	1,2-Dichlorobenzene	9.65	146	1043350	46.700	ppb	100
72)	1,2-Dibromo-3-chloropropan	10.43	75	126461	50.541	ppb	100
73)	1,2,4-Trichlorobenzene	11.23	180	868138	47.489	ppb	100
74)	Hexachlorobutadiene	11.40	225	386860	48.121	ppb	100
75)	Naphthalene	11.47	128	2370262	49.369	ppb	100
76)	1,2,3-Trichlorobenzene	11.71	180	829721	48.799	ppb	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

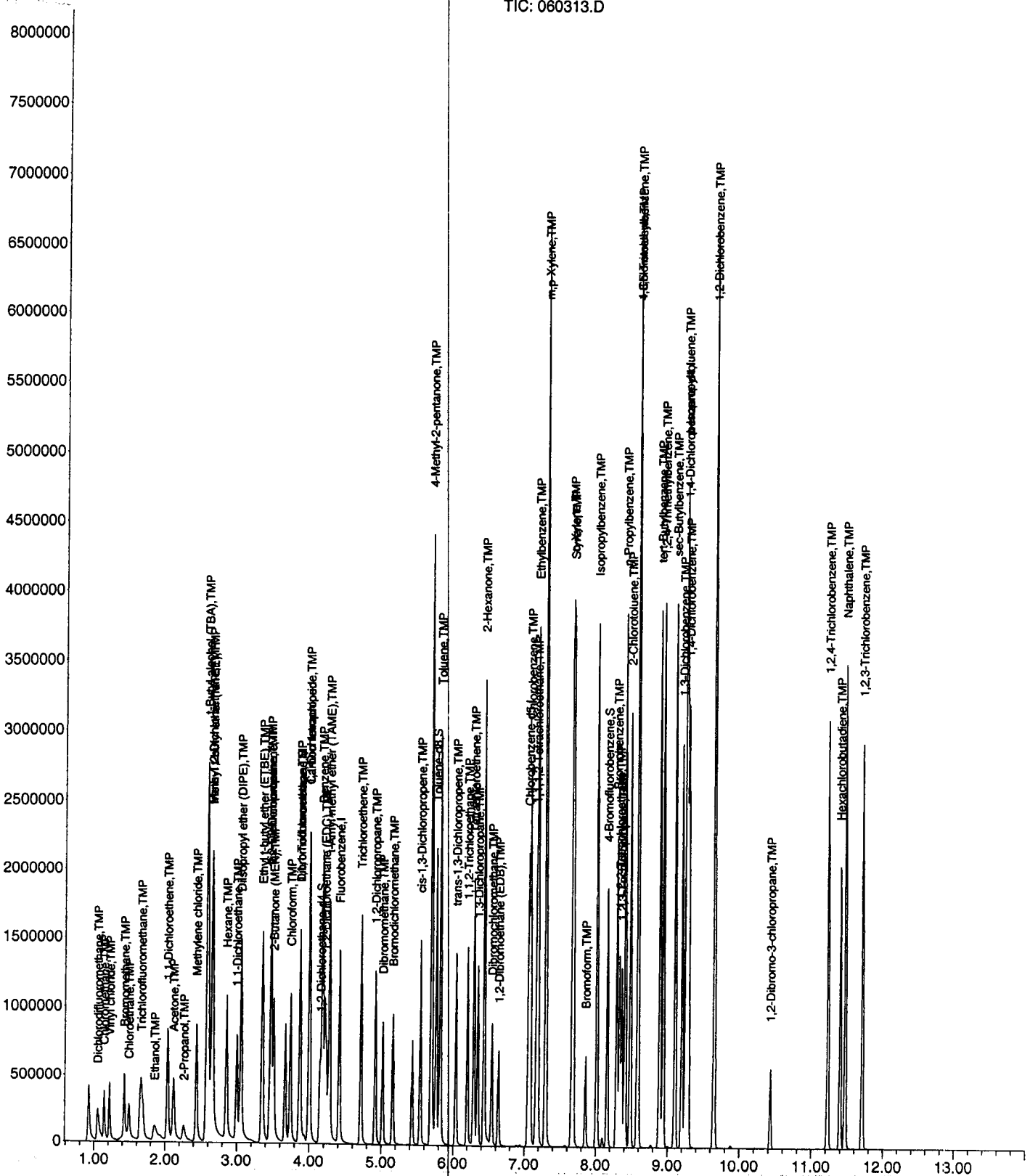
Data File : I:\06-03-15\060313.D
Acq On : 3 Jun 2015 4:21 pm
Sample : 8260 50 ppb ICAL 45-145 J
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:28 2015

Vial: 13
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:23:07 2015
Response via : Initial Calibration

TIC: 060313.D



Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060313.D
Acq On : 3 Jun 2015 4:21 pm
Sample : 8260 50 ppb ICAL 45-145 J
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 13
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:23:07 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	100	0.00
2	TMP	Ethanol	2500.000	2028.174	18.9	85	0.00
3	S	Dibromofluoromethane	50.000	51.300	-2.6	100	0.00
4	TMP	Dichlorodifluoromethane	50.000	45.524	9.0	100	0.00
5	TMP	Chloromethane	50.000	46.225	7.5	100	0.00
6	TMP	Vinyl chloride	50.000	46.896	6.2	100	0.00
7	TMP	Bromomethane	50.000	45.361	9.3	100	0.00
8	TMP	Chloroethane	50.000	48.538	2.9	100	0.00
9	TMP	Trichlorofluoromethane	50.000	47.556	4.9	100	0.00
10	TMP	2-Propanol	250.000	249.465	0.2	100	0.00
11	TMP	Acetone	250.000	222.939	10.8	100	0.00
12	TMP	1,1-Dichloroethene	50.000	48.296	3.4	100	0.00
13	TMP	Hexane	50.000	45.998	8.0	100	0.00
14	TMP	Methylene chloride	50.000	50.121	-0.2	100	0.00
15	TMP	t-Butyl alcohol (TBA)	2500.000	2496.938	0.1	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	50.000	48.367	3.3	100	0.00
17	TMP	trans-1,2-Dichloroethene	50.000	48.708	2.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	50.000	48.275	3.5	100	0.00
19	TMP	1,1-Dichloroethane	50.000	50.084	-0.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	50.000	49.164	1.7	100	0.00
21	TMP	2,2-Dichloropropane	50.000	51.828	-3.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	50.000	48.757	2.5	100	0.00
23	TMP	Chloroform	50.000	49.793	0.4	100	0.00
24	TMP	2-Butanone (MEK)	250.000	245.514	1.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	50.000	48.733	2.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	50.000	47.318	5.4	100	0.00
27	TMP	1,1,1-Trichloroethane	50.000	51.427	-2.9	100	0.00
28	TMP	1,1-Dichloropropene	50.000	49.480	1.0	100	0.00
29	TMP	Carbon tetrachloride	50.000	52.527	-5.1	100	0.00
30	S	1,2-Dichloroethane-d4	50.000	48.758	2.5	100	0.00
31	TMP	Benzene	50.000	47.873	4.3	100	0.00
32	TMP	Trichloroethene	50.000	49.448	1.1	100	0.00
33	TMP	1,2-Dichloropropane	50.000	51.676	-3.4	100	0.00
34	TMP	Bromodichloromethane	50.000	54.291	-8.6	100	0.00
35	S	Toluene-d8	50.000	50.964	-1.9	100	0.00
36	TMP	Dibromomethane	50.000	50.534	-1.1	100	0.00
37	TMP	4-Methyl-2-pentanone	250.000	247.889	0.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	50.000	54.969	-9.9	100	0.00
39	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
40	TMP	Toluene	50.000	47.565	4.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	50.000	51.383	-2.8	100	0.00
42	TMP	1,1,2-Trichloroethane	50.000	50.347	-0.7	100	0.00
43	TMP	2-Hexanone	250.000	256.565	-2.6	100	0.00
44	TMP	1,3-Dichloropropane	50.000	49.981	0.0	100	0.00
45	TMP	Tetrachloroethene	50.000	47.385	5.2	100	0.00
46	TMP	Dibromochloromethane	50.000	51.861	-3.7	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	50.000	51.698	-3.4	100	0.00
48	TMP	Chlorobenzene	50.000	46.757	6.5	100	0.00
49	TMP	Ethylbenzene	50.000	47.868	4.3	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	50.000	53.570	-7.1	100	0.00
51	TMP	m,p-Xylene	100.000	96.315	3.7	100	0.00
52	TMP	o-Xylene	50.000	48.613	2.8	100	0.00
53	TMP	Styrene	50.000	49.113	1.8	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060313.D
Acq On : 3 Jun 2015 4:21 pm
Sample : 8260 50 ppb ICAL 45-145 J
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 13
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:23:07 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	50.000	49.887	0.2	100	0.00
55	TMP	Bromoform	50.000	50.039	-0.1	100	0.00
56	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	50.000	50.083	-0.2	100	0.00
58	TMP	n-Propylbenzene	50.000	49.540	0.9	100	0.00
59	TMP	Bromobenzene	50.000	49.128	1.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	50.000	47.939	4.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	50.000	50.052	-0.1	100	0.00
62	TMP	1,2,3-Trichloropropane	50.000	48.226	3.5	100	0.00
63	TMP	2-Chlorotoluene	50.000	47.087	5.8	100	0.00
64	TMP	4-Chlorotoluene	50.000	48.445	3.1	100	0.00
65	TMP	tert-Butylbenzene	50.000	48.458	3.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	50.000	48.882	2.2	100	0.00
67	TMP	sec-Butylbenzene	50.000	50.063	-0.1	100	0.00
68	TMP	p-Isopropyltoluene	50.000	49.999	0.0	100	0.00
69	TMP	1,3-Dichlorobenzene	50.000	48.850	2.3	100	0.00
70	TMP	1,4-Dichlorobenzene	50.000	47.230	5.5	100	0.00
71	TMP	1,2-Dichlorobenzene	50.000	46.700	6.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	50.000	50.541	-1.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	50.000	47.489	5.0	100	0.00
74	TMP	Hexachlorobutadiene	50.000	48.121	3.8	100	0.00
75	TMP	Naphthalene	50.000	49.369	1.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	50.000	48.799	2.4	100	0.00

Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060313.D
Acq On : 3 Jun 2015 4:21 pm
Sample : 8260 50 ppb ICAL 45-145 J
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 13
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:23:07 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.005	0.004	20.0	85	0.00
3	S	Dibromofluoromethane	0.263	0.270	-2.7	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.316	8.9	100	0.00
5	TMP	Chloromethane	0.287	0.266	7.3	100	0.00
6	TMP	Vinyl chloride	0.350	0.329	6.0	100	0.00
7	TMP	Bromomethane	0.253	0.229	9.5	100	0.00
8	TMP	Chloroethane	0.201	0.195	3.0	100	0.00
9	TMP	Trichlorofluoromethane	0.550	0.523	4.9	100	0.00
10	TMP	2-Propanol	0.034	0.034	0.0	100	0.00
11	TMP	Acetone	0.038	0.034	10.5	100	0.00
12	TMP	1,1-Dichloroethene	0.313	0.303	3.2	100	0.00
13	TMP	Hexane	0.465	0.428	8.0	100	0.00
14	TMP	Methylene chloride	0.451	0.349	22.6#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.069	0.069	0.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	1.186	1.147	3.3	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.352	0.343	2.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	1.060	1.024	3.4	100	0.00
19	TMP	1,1-Dichloroethane	0.626	0.627	-0.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.499	0.490	1.8	100	0.00
21	TMP	2,2-Dichloropropane	0.380	0.394	-3.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.404	0.394	2.5	100	0.00
23	TMP	Chloroform	0.677	0.674	0.4	100	0.00
24	TMP	2-Butanone (MEK)	0.052	0.051	1.9	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.135	1.106	2.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.646	0.611	5.4	100	0.00
27	TMP	1,1,1-Trichloroethane	0.589	0.606	-2.9	100	0.00
28	TMP	1,1-Dichloropropene	0.542	0.536	1.1	100	0.00
29	TMP	Carbon tetrachloride	0.484	0.508	-5.0	100	0.00
30	S	1,2-Dichloroethane-d4	0.058	0.056	3.4	100	0.00
31	TMP	Benzene	1.487	1.424	4.2	100	0.00
32	TMP	Trichloroethene	0.427	0.422	1.2	100	0.00
33	TMP	1,2-Dichloropropane	0.338	0.350	-3.6	100	0.00
34	TMP	Bromodichloromethane	0.438	0.476	-8.7	100	0.00
35	S	Toluene-d8	1.083	1.103	-1.8	100	0.00
36	TMP	Dibromomethane	0.245	0.247	-0.8	100	0.00
37	TMP	4-Methyl-2-pentanone	0.071	0.070	1.4	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.536	0.590	-10.1	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.103	1.049	4.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.525	0.604	-15.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.304	0.306	-0.7	100	0.00
43	TMP	2-Hexanone	0.349	0.359	-2.9	100	0.00
44	TMP	1,3-Dichloropropane	0.628	0.627	0.2	100	0.00
45	TMP	Tetrachloroethene	0.392	0.372	5.1	100	0.00
46	TMP	Dibromochloromethane	0.357	0.420	-17.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.394	0.407	-3.3	100	0.00
48	TMP	Chlorobenzene	1.318	1.232	6.5	100	0.00
49	TMP	Ethylbenzene	2.209	2.114	4.3	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.397	0.425	-7.1	100	0.00
51	TMP	m,p-Xylene	0.848	0.816	3.8	100	0.00
52	TMP	o-Xylene	0.844	0.821	2.7	100	0.00
53	TMP	Styrene	1.396	1.371	1.8	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060313.D
Acq On : 3 Jun 2015 4:21 pm
Sample : 8260 50 ppb ICAL 45-145 J
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 13
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:23:07 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	2.181	2.176	0.2	100	0.00
55	TMP	Bromoform	0.229	0.272	-18.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.913	0.915	-0.2	100	0.00
58	TMP	n-Propylbenzene	4.163	4.125	0.9	100	0.00
59	TMP	Bromobenzene	0.938	0.921	1.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	3.301	3.165	4.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.889	0.890	-0.1	100	0.00
62	TMP	1,2,3-Trichloropropane	0.782	0.754	3.6	100	0.00
63	TMP	2-Chlorotoluene	2.657	2.502	5.8	100	0.00
64	TMP	4-Chlorotoluene	3.074	2.979	3.1	100	0.00
65	TMP	tert-Butylbenzene	2.873	2.784	3.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	3.331	3.256	2.3	100	0.00
67	TMP	sec-Butylbenzene	3.862	3.867	-0.1	100	0.00
68	TMP	p-Isopropyltoluene	3.576	3.576	0.0	100	0.00
69	TMP	1,3-Dichlorobenzene	1.816	1.774	2.3	100	0.00
70	TMP	1,4-Dichlorobenzene	1.897	1.792	5.5	100	0.00
71	TMP	1,2-Dichlorobenzene	1.857	1.734	6.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.189	0.210	-11.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.520	1.443	5.1	100	0.00
74	TMP	Hexachlorobutadiene	0.668	0.643	3.7	100	0.00
75	TMP	Naphthalene	3.991	3.940	1.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.413	1.379	2.4	100	0.00

Quantitation Report (QT Reviewed)

Data File : I:\06-03-15\060314.D
Acq On : 3 Jun 2015 4:42 pm
Sample : 8260 100 ppb ICAL 45-145 K
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:11 2015

Vial: 14
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:06:19 2015
Response via : Initial Calibration
DataAcq Meth : 826040

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.42	96	1084456	50.00	ppb	0.00
39) Chlorobenzene-d5	7.05	117	1018458	50.00	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.26	152	591713	50.00	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	3.87	113	295583	51.84	ppb	0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 103.68%			
30) 1,2-Dichloroethane-d4	4.15	102	63315	50.42	ppb	0.00
Spiked Amount 50.000	Range 62 - 142		Recovery = 100.84%			
35) Toluene-d8	5.76	98	1206828	51.40	ppb	0.00
Spiked Amount 50.000	Range 55 - 145		Recovery = 102.80%			
57) 4-Bromofluorobenzene	8.16	95	560199	51.85	ppb	0.00
Spiked Amount 50.000	Range 65 - 139		Recovery = 103.70%			
Target Compounds						Qvalue
2) Ethanol	1.85	45	596964m	5366.372	ppb	
4) Dichlorodifluoromethane	1.05	85	707339	93.507	ppb	99
5) Chloromethane	1.14	50	619507	99.390	ppb	99
6) Vinyl chloride	1.21	62	732115	95.680	ppb	99
7) Bromomethane	1.42	94	518599	94.490	ppb	97
8) Chloroethane	1.49	64	433545	97.113	ppb	98
9) Trichlorofluoromethane	1.66	101	1168640	93.559	ppb	97
10) 2-Propanol	2.26	45	382481	506.302	ppb	100
11) Acetone	2.12	58	395165	470.401	ppb	98
12) 1,1-Dichloroethene	2.04	96	658170	96.892	ppb	97
13) Hexane	2.86	57	946324	93.841	ppb	97
14) Methylene chloride	2.44	84	737449	99.578	ppb	97
15) t-Butyl alcohol (TBA)	2.59	59	8014398	5437.011	ppb	99
16) Methyl t-butyl ether (MTBE	2.66	73	2544990	98.937	ppb	99
17) trans-1,2-Dichloroethene	2.65	96	761034	99.749	ppb	98
18) Diisopropyl ether (DIPE)	3.06	45	2261000	98.334	ppb	99
19) 1,1-Dichloroethane	3.00	63	1383612	101.878	ppb	100
20) Ethyl t-butyl ether (ETBE)	3.35	87	1070212	98.957	ppb	97
21) 2,2-Dichloropropane	3.46	77	885397	107.307	ppb	94
22) cis-1,2-Dichloroethene	3.47	96	860553	98.098	ppb	96
23) Chloroform	3.74	83	1487443	101.320	ppb	100
24) 2-Butanone (MEK)	3.51	72	592261	525.274	ppb	94
25) t-Amyl methyl ether (TAME)	4.27	73	2470744	99.550	ppb	99
26) 1,2-Dichloroethane (EDC)	4.21	62	1354462	96.734	ppb	99
27) 1,1,1-Trichloroethane	3.87	97	1356904	106.170	ppb	99
28) 1,1-Dichloropropene	4.00	75	1181951	95.270	ppb	98
29) Carbon tetrachloride	4.00	117	1182010	112.660	ppb	99
31) Benzene	4.18	78	3091133	92.075	ppb	100
32) Trichloroethene	4.71	95	928543	100.327	ppb	97
33) 1,2-Dichloropropane	4.92	63	785626	107.068	ppb	99
34) Bromodichloromethane	5.16	83	1119490	117.857	ppb	100
36) Dibromomethane	5.02	93	551945	104.014	ppb	98
37) 4-Methyl-2-pentanone	5.70	100	795468	518.755	ppb #	88
38) cis-1,3-Dichloropropene	5.54	75	1354283	116.403	ppb	99
40) Toluene	5.82	92	2142168	95.346	ppb	99
41) trans-1,3-Dichloropropene	6.04	75	1299497	101.923	ppb	100
42) 1,1,2-Trichloroethane	6.20	83	629916	98.156	ppb	98
43) 2-Hexanone	6.43	43	3651390	512.955	ppb	99
44) 1,3-Dichloropropane	6.35	76	1277693	99.946	ppb	98
45) Tetrachloroethene	6.29	164	765325	91.443	ppb	99

(#) = qualifier out of range (m) = manual integration

Data File : I:\06-03-15\060314.D
Acq On : 3 Jun 2015 4:42 pm
Sample : 8260 100 ppb ICAL 45-145 K
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:11 2015

Vial: 14
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:06:19 2015
Response via : Initial Calibration
DataAcq Meth : 826040

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46)	Dibromochloromethane	6.54	129	925654	102.986 ppb	98
47)	1,2-Dibromoethane (EDB)	6.64	107	843820	101.535 ppb	98
48)	Chlorobenzene	7.08	112	2500171	93.137 ppb	98
49)	Ethylbenzene	7.18	91	4279178	95.120 ppb	99
50)	1,1,1,2-Tetrachloroethane	7.16	131	903238	111.694 ppb	97
51)	m,p-Xylene	7.30	106	3312953	191.870 ppb	97
52)	o-Xylene	7.66	106	1677460	97.528 ppb	99
53)	Styrene	7.68	104	2795428	98.309 ppb	98
54)	Isopropylbenzene	8.01	105	4435117	95.831 ppb	99
55)	Bromoform	7.86	173	620201	99.793 ppb	98
58)	n-Propylbenzene	8.41	91	5137367	100.145 ppb	100
59)	Bromobenzene	8.29	156	1134928	102.271 ppb	99
60)	1,3,5-Trimethylbenzene	8.58	105	3901951	99.890 ppb	99
61)	1,1,2,2-Tetrachloroethane	8.33	83	1117701	106.282 ppb	99
62)	1,2,3-Trichloropropane	8.36	75	931922	100.673 ppb	97
63)	2-Chlorotoluene	8.48	91	3087084	98.188 ppb	98
64)	4-Chlorotoluene	8.59	91	3696180	97.603 ppb	96
65)	tert-Butylbenzene	8.89	119	3437125	101.097 ppb	98
66)	1,2,4-Trimethylbenzene	8.94	105	4011651	101.779 ppb	100
67)	sec-Butylbenzene	9.10	105	4816256	100.921 ppb	99
68)	p-Isopropyltoluene	9.25	119	4373583	98.475 ppb	100
69)	1,3-Dichlorobenzene	9.20	146	2143223	96.348 ppb	99
70)	1,4-Dichlorobenzene	9.29	146	2179428	92.579 ppb	99
71)	1,2-Dichlorobenzene	9.65	146	2119794	96.456 ppb	99
72)	1,2-Dibromo-3-chloropropan	10.43	75	282243	102.999 ppb	96
73)	1,2,4-Trichlorobenzene	11.23	180	1768880	98.368 ppb	99
74)	Hexachlorobutadiene	11.40	225	805588	101.871 ppb	98
75)	Naphthalene	11.47	128	4815210	101.959 ppb	100
76)	1,2,3-Trichlorobenzene	11.71	180	1675242	100.163 ppb	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

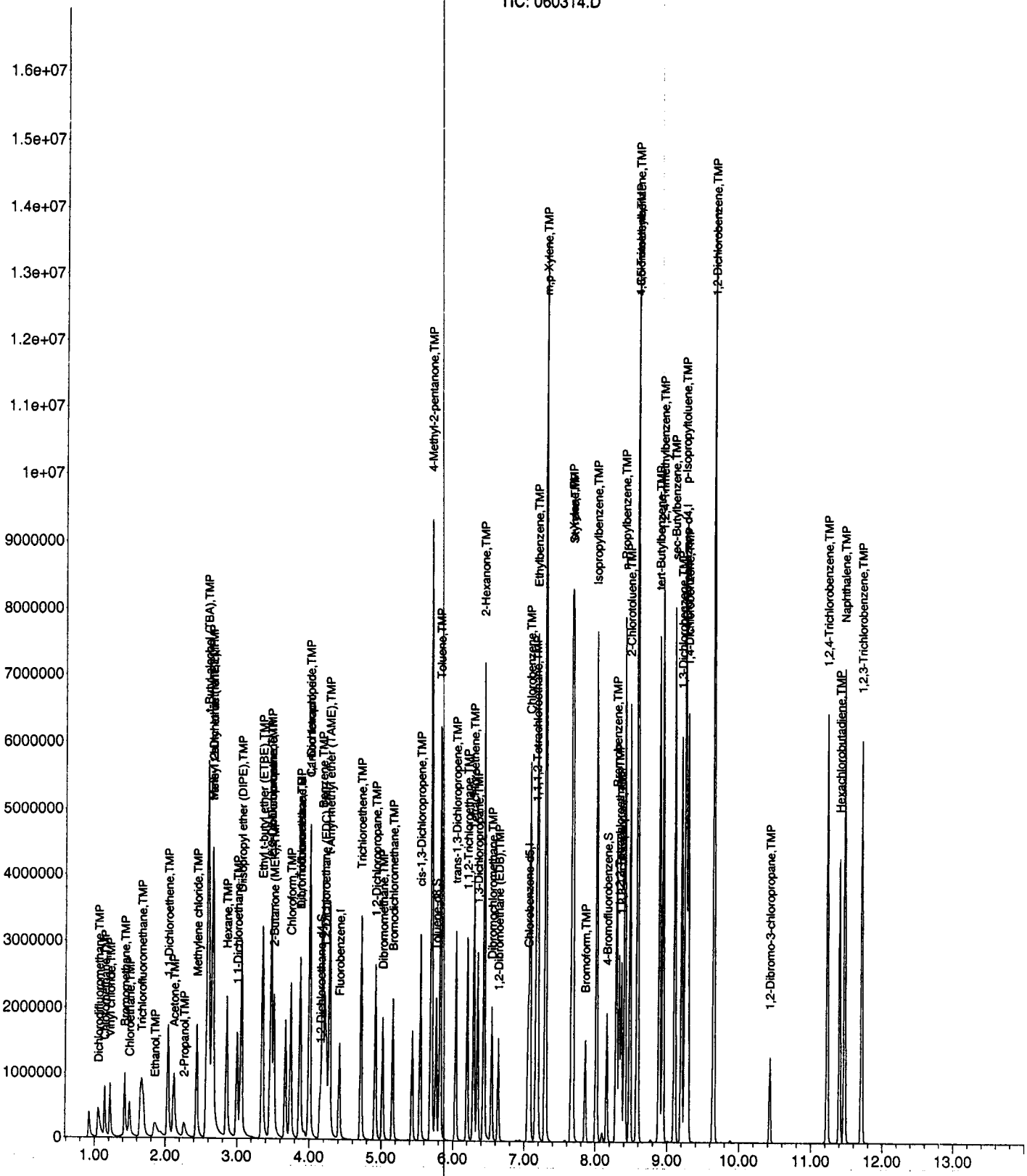
Data File : I:\06-03-15\060314.D
Acq On : 3 Jun 2015 4:42 pm
Sample : 8260 100 ppb ICAL 45-145 K
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:11 2015

Vial: 14
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Initial Calibration

TIC: 060314.D



Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060314.D Vial: 14
Acq On : 3 Jun 2015 4:42 pm Operator: JS
Sample : 8260 100 ppb ICAL 45-145 K Inst : GCMS4
Misc : soil/water Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	100	0.00
2	TMP	Ethanol	5000.000	5366.372	-7.3	100	0.00
3	S	Dibromofluoromethane	50.000	51.836	-3.7	100	0.00
4	TMP	Dichlorodifluoromethane	100.000	93.507	6.5	100	0.00
5	TMP	Chloromethane	100.000	99.390	0.6	100	0.00
6	TMP	Vinyl chloride	100.000	95.680	4.3	100	0.00
7	TMP	Bromomethane	100.000	94.490	5.5	100	0.00
8	TMP	Chloroethane	100.000	97.113	2.9	100	0.00
9	TMP	Trichlorofluoromethane	100.000	93.559	6.4	100	0.00
10	TMP	2-Propanol	500.000	506.302	-1.3	100	0.00
11	TMP	Acetone	500.000	470.401	5.9	100	0.00
12	TMP	1,1-Dichloroethene	100.000	96.892	3.1	100	0.00
13	TMP	Hexane	100.000	93.841	6.2	100	0.00
14	TMP	Methylene chloride	100.000	99.578	0.4	100	0.00
15	TMP	t-Butyl alcohol (TBA)	5000.000	5437.011	-8.7	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	100.000	98.937	1.1	100	0.00
17	TMP	trans-1,2-Dichloroethene	100.000	99.749	0.3	100	0.00
18	TMP	Diisopropyl ether (DIPE)	100.000	98.334	1.7	100	0.00
19	TMP	1,1-Dichloroethane	100.000	101.878	-1.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	100.000	98.957	1.0	100	0.00
21	TMP	2,2-Dichloropropane	100.000	107.307	-7.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	100.000	98.098	1.9	100	0.00
23	TMP	Chloroform	100.000	101.320	-1.3	100	0.00
24	TMP	2-Butanone (MEK)	500.000	525.274	-5.1	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	100.000	99.550	0.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	100.000	96.734	3.3	100	0.00
27	TMP	1,1,1-Trichloroethane	100.000	106.170	-6.2	100	0.00
28	TMP	1,1-Dichloropropene	100.000	95.270	4.7	100	0.00
29	TMP	Carbon tetrachloride	100.000	112.660	-12.7	100	0.00
30	S	1,2-Dichloroethane-d4	50.000	50.425	-0.8	100	0.00
31	TMP	Benzene	100.000	92.075	7.9	100	0.00
32	TMP	Trichloroethene	100.000	100.327	-0.3	100	0.00
33	TMP	1,2-Dichloropropane	100.000	107.068	-7.1	100	0.00
34	TMP	Bromodichloromethane	100.000	117.857	-17.9	100	0.00
35	S	Toluene-d8	50.000	51.401	-2.8	100	0.00
36	TMP	Dibromomethane	100.000	104.014	-4.0	100	0.00
37	TMP	4-Methyl-2-pentanone	500.000	518.755	-3.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	100.000	116.403	-16.4	100	0.00
39	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
40	TMP	Toluene	100.000	95.346	4.7	100	0.00
41	TMP	trans-1,3-Dichloropropene	100.000	101.923	-1.9	100	0.00
42	TMP	1,1,2-Trichloroethane	100.000	98.156	1.8	100	0.00
43	TMP	2-Hexanone	500.000	512.955	-2.6	100	0.00
44	TMP	1,3-Dichloropropane	100.000	99.946	0.1	100	0.00
45	TMP	Tetrachloroethene	100.000	91.443	8.6	100	0.00
46	TMP	Dibromochloromethane	100.000	102.986	-3.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	100.000	101.535	-1.5	100	0.00
48	TMP	Chlorobenzene	100.000	93.137	6.9	100	0.00
49	TMP	Ethylbenzene	100.000	95.120	4.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	100.000	111.694	-11.7	100	0.00
51	TMP	m,p-Xylene	200.000	191.870	4.1	100	0.00
52	TMP	o-Xylene	100.000	97.528	2.5	100	0.00
53	TMP	Styrene	100.000	98.309	1.7	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060314.D
Acq On : 3 Jun 2015 4:42 pm
Sample : 8260 100 ppb ICAL 45-145 K
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 14
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	100.000	95.831	4.2	100	0.00
55	TMP	Bromoform	100.000	99.793	0.2	100	0.00
56	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	50.000	51.846	-3.7	100	0.00
58	TMP	n-Propylbenzene	100.000	100.145	-0.1	100	0.00
59	TMP	Bromobenzene	100.000	102.271	-2.3	100	0.00
60	TMP	1,3,5-Trimethylbenzene	100.000	99.890	0.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	100.000	106.282	-6.3	100	0.00
62	TMP	1,2,3-Trichloropropane	100.000	100.673	-0.7	100	0.00
63	TMP	2-Chlorotoluene	100.000	98.188	1.8	100	0.00
64	TMP	4-Chlorotoluene	100.000	97.603	2.4	100	0.00
65	TMP	tert-Butylbenzene	100.000	101.097	-1.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	100.000	101.779	-1.8	100	0.00
67	TMP	sec-Butylbenzene	100.000	100.921	-0.9	100	0.00
68	TMP	p-Isopropyltoluene	100.000	98.475	1.5	100	0.00
69	TMP	1,3-Dichlorobenzene	100.000	96.348	3.7	100	0.00
70	TMP	1,4-Dichlorobenzene	100.000	92.579	7.4	100	0.00
71	TMP	1,2-Dichlorobenzene	100.000	96.456	3.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	100.000	102.999	-3.0	100	0.00
73	TMP	1,2,4-Trichlorobenzene	100.000	98.368	1.6	100	0.00
74	TMP	Hexachlorobutadiene	100.000	101.871	-1.9	100	0.00
75	TMP	Naphthalene	100.000	101.959	-2.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	100.000	100.163	-0.2	100	0.00

Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060314.D
Acq On : 3 Jun 2015 4:42 pm
Sample : 8260 100 ppb ICAL 45-145 K
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 14
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.005	0.006	-20.0	100	0.00
3	S	Dibromofluoromethane	0.263	0.273	-3.8	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.326	6.1	100	0.00
5	TMP	Chloromethane	0.287	0.286	0.3	100	0.00
6	TMP	Vinyl chloride	0.350	0.338	3.4	100	0.00
7	TMP	Bromomethane	0.253	0.239	5.5	100	0.00
8	TMP	Chloroethane	0.201	0.200	0.5	100	0.00
9	TMP	Trichlorofluoromethane	0.550	0.539	2.0	100	0.00
10	TMP	2-Propanol	0.034	0.035	-2.9	100	0.00
11	TMP	Acetone	0.038	0.036	5.3	100	0.00
12	TMP	1,1-Dichloroethene	0.313	0.303	3.2	100	0.00
13	TMP	Hexane	0.465	0.436	6.2	100	0.00
14	TMP	Methylene chloride	0.451	0.340	24.6	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.069	0.074	-7.2	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	1.186	1.173	1.1	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.352	0.351	0.3	100	0.00
18	TMP	Diisopropyl ether (DIPE)	1.060	1.042	1.7	100	0.00
19	TMP	1,1-Dichloroethane	0.626	0.638	-1.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.499	0.493	1.2	100	0.00
21	TMP	2,2-Dichloropropane	0.380	0.408	-7.4	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.404	0.397	1.7	100	0.00
23	TMP	Chloroform	0.677	0.686	-1.3	100	0.00
24	TMP	2-Butanone (MEK)	0.052	0.055	-5.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.135	1.139	-0.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.646	0.624	3.4	100	0.00
27	TMP	1,1,1-Trichloroethane	0.589	0.626	-6.3	100	0.00
28	TMP	1,1-Dichloropropene	0.542	0.545	-0.6	100	0.00
29	TMP	Carbon tetrachloride	0.484	0.545	-12.6	100	0.00
30	S	1,2-Dichloroethane-d4	0.058	0.058	0.0	100	0.00
31	TMP	Benzene	1.548	1.425	7.9	100	0.00
32	TMP	Trichloroethene	0.427	0.428	-0.2	100	0.00
33	TMP	1,2-Dichloropropane	0.388	0.362	-7.1	100	0.00
34	TMP	Bromodichloromethane	0.438	0.516	-17.8	100	0.00
35	S	Toluene-d8	1.083	1.113	-2.8	100	0.00
36	TMP	Dibromomethane	0.245	0.254	-3.7	100	0.00
37	TMP	4-Methyl-2-pentanone	0.071	0.073	-2.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.536	0.624	-16.4	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.103	1.052	4.6	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.525	0.638	-21.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.315	0.309	1.9	100	0.00
43	TMP	2-Hexanone	0.349	0.359	-2.9	100	0.00
44	TMP	1,3-Dichloropropane	0.628	0.627	0.2	100	0.00
45	TMP	Tetrachloroethene	0.392	0.376	4.1	100	0.00
46	TMP	Dibromochloromethane	0.357	0.454	-27.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.394	0.414	-5.1	100	0.00
48	TMP	Chlorobenzene	1.318	1.227	6.9	100	0.00
49	TMP	Ethylbenzene	2.209	2.101	4.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.397	0.443	-11.6	100	0.00
51	TMP	m,p-Xylene	0.848	0.813	4.1	100	0.00
52	TMP	o-Xylene	0.844	0.824	2.4	100	0.00
53	TMP	Styrene	1.396	1.372	1.7	100	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060314.D
Acq On : 3 Jun 2015 4:42 pm
Sample : 8260 100 ppb ICAL 45-145 K
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 14
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	2.181	2.177	0.2	100	0.00
55	TMP	Bromoform	0.229	0.304	-32.8#	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.913	0.947	-3.7	100	0.00
58	TMP	n-Propylbenzene	4.163	4.341	-4.3	100	0.00
59	TMP	Bromobenzene	0.938	0.959	-2.2	100	0.00
60	TMP	1,3,5-Trimethylbenzene	3.301	3.297	0.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.889	0.944	-6.2	100	0.00
62	TMP	1,2,3-Trichloropropane	0.782	0.787	-0.6	100	0.00
63	TMP	2-Chlorotoluene	2.657	2.609	1.8	100	0.00
64	TMP	4-Chlorotoluene	3.074	3.123	-1.6	100	0.00
65	TMP	tert-Butylbenzene	2.873	2.904	-1.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	3.331	3.390	-1.8	100	0.00
67	TMP	sec-Butylbenzene	3.862	4.070	-5.4	100	0.00
68	TMP	p-Isopropyltoluene	3.576	3.696	-3.4	100	0.00
69	TMP	1,3-Dichlorobenzene	1.816	1.811	0.3	100	0.00
70	TMP	1,4-Dichlorobenzene	1.897	1.842	2.9	100	0.00
71	TMP	1,2-Dichlorobenzene	1.857	1.791	3.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.189	0.238	-25.9	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.520	1.495	1.6	100	0.00
74	TMP	Hexachlorobutadiene	0.668	0.681	-1.9	100	0.00
75	TMP	Naphthalene	3.991	4.069	-2.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.413	1.416	-0.2	100	0.00

Quantitation Report (QT Reviewed)

Data File : I:\06-03-15\060315.D
Acq On : 3 Jun 2015 5:03 pm
Sample : 8260 150 ppb ICAL 45-145 L
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:15 2015

Vial: 15
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:06:19 2015
Response via : Initial Calibration
DataAcq Meth : 826040

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.42	96	1102005	50.00	ppb	0.00
39) Chlorobenzene-d5	7.06	117	1034831	50.00	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.27	152	598951	50.00	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	3.88	113	299827	51.74	ppb	0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 103.48%			
30) 1,2-Dichloroethane-d4	4.15	102	63648	49.88	ppb	0.00
Spiked Amount 50.000	Range 62 - 142		Recovery = 99.76%			
35) Toluene-d8	5.77	98	1228346	51.48	ppb	0.00
Spiked Amount 50.000	Range 55 - 145		Recovery = 102.96%			
57) 4-Bromofluorobenzene	8.16	95	569946	52.11	ppb	0.00
Spiked Amount 50.000	Range 65 - 139		Recovery = 104.22%			
Target Compounds						Qvalue
2) Ethanol	1.85	45	827897	7323.814	ppb	98
4) Dichlorodifluoromethane	1.05	85	1095514	142.516	ppb	99
5) Chloromethane	1.14	50	960982	151.719	ppb	99
6) Vinyl chloride	1.21	62	1124536	144.625	ppb	99
7) Bromomethane	1.42	94	792734	142.138	ppb	98
8) Chloroethane	1.49	64	665898	146.785	ppb	96
9) Trichlorofluoromethane	1.66	101	1783926	140.544	ppb	98
10) 2-Propanol	2.26	45	581367	757.319	ppb	99
11) Acetone	2.12	58	600097	702.974	ppb	97
12) 1,1-Dichloroethene	2.03	96	1016905	147.318	ppb	98
13) Hexane	2.85	57	1492446	145.639	ppb	98
14) Methylene chloride	2.43	84	1119967	150.351	ppb	98
15) t-Butyl alcohol (TBA)	2.59	59	12033937	8033.882	ppb	100
16) Methyl t-butyl ether (MTBE	2.66	73	3877512	148.339	ppb	99
17) trans-1,2-Dichloroethene	2.65	96	1144121	147.573	ppb	98
18) Diisopropyl ether (DIPE)	3.06	45	3493105	149.500	ppb	99
19) 1,1-Dichloroethane	3.00	63	2122096	153.766	ppb	100
20) Ethyl t-butyl ether (ETBE)	3.35	87	1651898	150.310	ppb	96
21) 2,2-Dichloropropane	3.46	77	1306448	155.816	ppb	94
22) cis-1,2-Dichloroethene	3.47	96	1302232	146.083	ppb	97
23) Chloroform	3.74	83	2250692	150.868	ppb	99
24) 2-Butanone (MEK)	3.51	72	868872	758.328	ppb	95
25) t-Amyl methyl ether (TAME)	4.28	73	3822661	151.567	ppb	99
26) 1,2-Dichloroethane (EDC)	4.21	62	2056917	144.564	ppb	99
27) 1,1,1-Trichloroethane	3.87	97	2068100	159.240	ppb	99
28) 1,1-Dichloropropene	4.00	75	1795586	142.426	ppb	98
29) Carbon tetrachloride	4.00	117	1829661	171.612	ppb	100
31) Benzene	4.18	78	4661222	136.632	ppb	100
32) Trichloroethene	4.71	95	1394088	148.229	ppb	99
33) 1,2-Dichloropropane	4.92	63	1194496	160.198	ppb	100
34) Bromodichloromethane	5.16	83	1750261	181.328	ppb	100
36) Dibromomethane	5.02	93	844204	156.556	ppb	97
37) 4-Methyl-2-pentanone	5.70	100	1217104	781.080	ppb	94
38) cis-1,3-Dichloropropene	5.55	75	2117837	179.134	ppb	99
40) Toluene	5.82	92	3270718	143.273	ppb	100
41) trans-1,3-Dichloropropene	6.04	75	2038625	148.642	ppb	98
42) 1,1,2-Trichloroethane	6.20	83	968235	148.487	ppb	96
43) 2-Hexanone	6.44	43	5726743	791.777	ppb	100
44) 1,3-Dichloropropane	6.35	76	1977093	152.208	ppb	99
45) Tetrachloroethene	6.29	164	1155586	135.888	ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : I:\06-03-15\060315.D
Acq On : 3 Jun 2015 5:03 pm
Sample : 8260 150 ppb ICAL 45-145 L
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:15 2015

Vial: 15
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:06:19 2015
Response via : Initial Calibration
DataAcq Meth : 826040

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46) Dibromochloromethane	6.54	129	1453601	147.992 ppb	98
47) 1,2-Dibromoethane (EDB)	6.64	107	1277427	151.278 ppb	100
48) Chlorobenzene	7.08	112	3799740	139.309 ppb	98
49) Ethylbenzene	7.19	91	6470764	141.560 ppb	97
50) 1,1,1,2-Tetrachloroethane	7.17	131	1400202	170.410 ppb	96
51) m,p-Xylene	7.30	106	5090894	290.175 ppb	92
52) o-Xylene	7.66	106	2563422	146.680 ppb	97
53) Styrene	7.68	104	4269024	147.756 ppb	99
54) Isopropylbenzene	8.01	105	6713059	142.756 ppb	99
55) Bromoform	7.86	173	997636	141.643 ppb	97
58) n-Propylbenzene	8.41	91	7722890	148.727 ppb	100
59) Bromobenzene	8.29	156	1712697	152.470 ppb	93
60) 1,3,5-Trimethylbenzene	8.58	105	5926279	149.880 ppb	98
61) 1,1,2,2-Tetrachloroethane	8.33	83	1724428	161.993 ppb	99
62) 1,2,3-Trichloropropane	8.36	75	1443714	154.075 ppb	98
63) 2-Chlorotoluene	8.48	91	4665455	146.597 ppb	100
64) 4-Chlorotoluene	8.59	91	5610262	146.357 ppb	99
65) tert-Butylbenzene	8.89	119	5167245	150.148 ppb	99
66) 1,2,4-Trimethylbenzene	8.94	105	6012102	150.688 ppb	99
67) sec-Butylbenzene	9.11	105	7169021	148.406 ppb	99
68) p-Isopropyltoluene	9.25	119	6580726	146.380 ppb	99
69) 1,3-Dichlorobenzene	9.20	146	3228730	143.392 ppb	98
70) 1,4-Dichlorobenzene	9.29	146	3247670	136.290 ppb	98
71) 1,2-Dichlorobenzene	9.65	146	3195051	143.626 ppb	99
72) 1,2-Dibromo-3-chloropropan	10.43	75	447106	148.296 ppb	92
73) 1,2,4-Trichlorobenzene	11.23	180	2654108	145.813 ppb	99
74) Hexachlorobutadiene	11.40	225	1194014	149.164 ppb	98
75) Naphthalene	11.48	128	7221118	151.055 ppb	99
76) 1,2,3-Trichlorobenzene	11.72	180	2505572	147.999 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

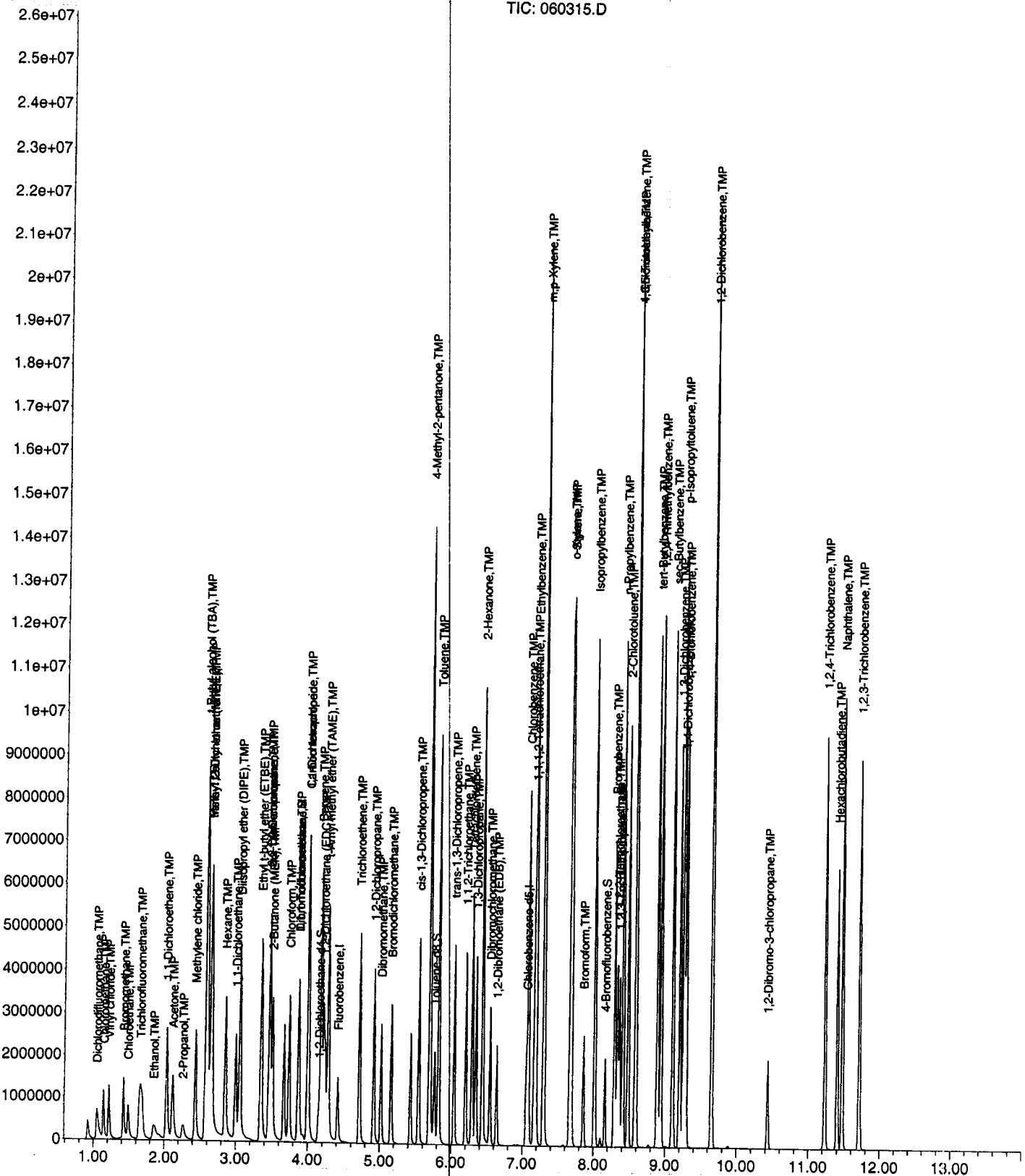
Data File : I:\06-03-15\060315.D
Acq On : 3 Jun 2015 5:03 pm
Sample : 8260 150 ppb ICAL 45-145 L
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:15 2015

Vial: 15
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Initial Calibration

TIC: 060315.D



Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060315.D Vial: 15
Acq On : 3 Jun 2015 5:03 pm Operator: JS
Sample : 8260 150 ppb ICAL 45-145 L Inst : GCMS4
Misc : soil/water Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	100	0.00
2	TMP	Ethanol	7500.000	7323.814	2.3	100	0.00
3	S	Dibromofluoromethane	50.000	51.743	-3.5	100	0.00
4	TMP	Dichlorodifluoromethane	150.000	142.516	5.0	100	0.00
5	TMP	Chloromethane	150.000	151.719	-1.1	100	0.00
6	TMP	Vinyl chloride	150.000	144.625	3.6	100	0.00
7	TMP	Bromomethane	150.000	142.138	5.2	100	0.00
8	TMP	Chloroethane	150.000	146.785	2.1	100	0.00
9	TMP	Trichlorofluoromethane	150.000	140.544	6.3	100	0.00
10	TMP	2-Propanol	750.000	757.319	-1.0	100	0.00
11	TMP	Acetone	750.000	702.974	6.3	100	0.00
12	TMP	1,1-Dichloroethene	150.000	147.318	1.8	100	0.00
13	TMP	Hexane	150.000	145.639	2.9	100	0.00
14	TMP	Methylene chloride	150.000	150.351	-0.2	100	0.00
15	TMP	t-Butyl alcohol (TBA)	7500.000	8033.882	-7.1	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	150.000	148.339	1.1	100	0.00
17	TMP	trans-1,2-Dichloroethene	150.000	147.573	1.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	150.000	149.500	0.3	100	0.00
19	TMP	1,1-Dichloroethane	150.000	153.766	-2.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	150.000	150.310	-0.2	100	0.00
21	TMP	2,2-Dichloropropane	150.000	155.816	-3.9	100	0.00
22	TMP	cis-1,2-Dichloroethene	150.000	146.083	2.6	100	0.00
23	TMP	Chloroform	150.000	150.868	-0.6	100	0.00
24	TMP	2-Butanone (MEK)	750.000	758.328	-1.1	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	150.000	151.567	-1.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	150.000	144.564	3.6	100	0.00
27	TMP	1,1,1-Trichloroethane	150.000	159.240	-6.2	100	0.00
28	TMP	1,1-Dichloropropene	150.000	142.426	5.0	100	0.00
29	TMP	Carbon tetrachloride	150.000	171.612	-14.4	100	0.00
30	S	1,2-Dichloroethane-d4	50.000	49.883	0.2	100	0.00
31	TMP	Benzene	150.000	136.632	8.9	100	0.00
32	TMP	Trichloroethene	150.000	148.229	1.2	100	0.00
33	TMP	1,2-Dichloropropane	150.000	160.198	-6.8	100	0.00
34	TMP	Bromodichloromethane	150.000	181.328	-20.9	100	0.00
35	S	Toluene-d8	50.000	51.485	-3.0	100	0.00
36	TMP	Dibromomethane	150.000	156.556	-4.4	100	0.00
37	TMP	4-Methyl-2-pentanone	750.000	781.080	-4.1	100	0.00
38	TMP	cis-1,3-Dichloropropene	150.000	179.134	-19.4	100	0.00
39	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
40	TMP	Toluene	150.000	143.273	4.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	150.000	148.642	0.9	100	0.00
42	TMP	1,1,2-Trichloroethane	150.000	148.487	1.0	100	0.00
43	TMP	2-Hexanone	750.000	791.777	-5.6	100	0.00
44	TMP	1,3-Dichloropropane	150.000	152.208	-1.5	100	0.00
45	TMP	Tetrachloroethene	150.000	135.888	9.4	100	0.00
46	TMP	Dibromochloromethane	150.000	147.992	1.3	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	150.000	151.278	-0.9	100	0.00
48	TMP	Chlorobenzene	150.000	139.309	7.1	100	0.00
49	TMP	Ethylbenzene	150.000	141.560	5.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	150.000	170.410	-13.6	100	0.00
51	TMP	m,p-Xylene	300.000	290.175	3.3	100	0.00
52	TMP	o-Xylene	150.000	146.680	2.2	100	0.00
53	TMP	Styrene	150.000	147.756	1.5	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060315.D
Acq On : 3 Jun 2015 5:03 pm
Sample : 8260 150 ppb ICAL 45-145 L
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 15
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	150.000	142.756	4.8	100	0.00
55	TMP	Bromoform	150.000	141.643	5.6	100	0.00
56	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	50.000	52.111	-4.2	100	0.00
58	TMP	n-Propylbenzene	150.000	148.727	0.8	100	0.00
59	TMP	Bromobenzene	150.000	152.470	-1.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	150.000	149.880	0.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	150.000	161.993	-8.0	100	0.00
62	TMP	1,2,3-Trichloropropane	150.000	154.075	-2.7	100	0.00
63	TMP	2-Chlorotoluene	150.000	146.597	2.3	100	0.00
64	TMP	4-Chlorotoluene	150.000	146.357	2.4	100	0.00
65	TMP	tert-Butylbenzene	150.000	150.148	-0.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	150.000	150.688	-0.5	100	0.00
67	TMP	sec-Butylbenzene	150.000	148.406	1.1	100	0.00
68	TMP	p-Isopropyltoluene	150.000	146.380	2.4	100	0.00
69	TMP	1,3-Dichlorobenzene	150.000	143.392	4.4	100	0.00
70	TMP	1,4-Dichlorobenzene	150.000	136.290	9.1	100	0.00
71	TMP	1,2-Dichlorobenzene	150.000	143.626	4.2	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	150.000	148.296	1.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	150.000	145.813	2.8	100	0.00
74	TMP	Hexachlorobutadiene	150.000	149.164	0.6	100	0.00
75	TMP	Naphthalene	150.000	151.055	-0.7	100	0.00
76	TMP	1,2,3-Trichlorobenzene	150.000	147.999	1.3	100	0.00

Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060315.D
Acq On : 3 Jun 2015 5:03 pm
Sample : 8260 150 ppb ICAL 45-145 L
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 15
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.005	0.005	0.0	100	0.00
3	S	Dibromofluoromethane	0.263	0.272	-3.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.331	4.6	100	0.00
5	TMP	Chloromethane	0.287	0.291	-1.4	100	0.00
6	TMP	Vinyl chloride	0.350	0.340	2.9	100	0.00
7	TMP	Bromomethane	0.253	0.240	5.1	100	0.00
8	TMP	Chloroethane	0.201	0.201	0.0	100	0.00
9	TMP	Trichlorofluoromethane	0.550	0.540	1.8	100	0.00
10	TMP	2-Propanol	0.034	0.035	-2.9	100	0.00
11	TMP	Acetone	0.038	0.036	5.3	100	0.00
12	TMP	1,1-Dichloroethene	0.313	0.308	1.6	100	0.00
13	TMP	Hexane	0.465	0.451	3.0	100	0.00
14	TMP	Methylene chloride	0.451	0.339	24.8	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.069	0.073	-5.8	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	1.186	1.173	1.1	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.352	0.346	1.7	100	0.00
18	TMP	Diisopropyl ether (DIPE)	1.060	1.057	0.3	100	0.00
19	TMP	1,1-Dichloroethane	0.626	0.642	-2.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.499	0.500	-0.2	100	0.00
21	TMP	2,2-Dichloropropane	0.380	0.395	-3.9	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.404	0.394	2.5	100	0.00
23	TMP	Chloroform	0.677	0.681	-0.6	100	0.00
24	TMP	2-Butanone (MEK)	0.052	0.053	-1.9	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.135	1.156	-1.9	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.646	0.622	3.7	100	0.00
27	TMP	1,1,1-Trichloroethane	0.589	0.626	-6.3	100	0.00
28	TMP	1,1-Dichloropropene	0.542	0.543	-0.2	100	0.00
29	TMP	Carbon tetrachloride	0.484	0.553	-14.3	100	0.00
30	S	1,2-Dichloroethane-d4	0.058	0.058	0.0	100	0.00
31	TMP	Benzene	1.548	1.410	8.9	100	0.00
32	TMP	Trichloroethene	0.427	0.422	1.2	100	0.00
33	TMP	1,2-Dichloropropane	0.338	0.361	-6.8	100	0.00
34	TMP	Bromodichloromethane	0.438	0.529	-20.8	100	0.00
35	S	Toluene-d8	1.083	1.115	-3.0	100	0.00
36	TMP	Dibromomethane	0.245	0.255	-4.1	100	0.00
37	TMP	4-Methyl-2-pentanone	0.071	0.074	-4.2	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.536	0.641	-19.6	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.103	1.054	4.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.525	0.657	-25.1	100	0.00
42	TMP	1,1,2-Trichloroethane	0.315	0.312	1.0	100	0.00
43	TMP	2-Hexanone	0.349	0.369	-5.7	100	0.00
44	TMP	1,3-Dichloropropane	0.628	0.637	-1.4	100	0.00
45	TMP	Tetrachloroethene	0.392	0.372	5.1	100	0.00
46	TMP	Dibromochloromethane	0.357	0.468	-31.1#	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.394	0.411	-4.3	100	0.00
48	TMP	Chlorobenzene	1.318	1.224	7.1	100	0.00
49	TMP	Ethylbenzene	2.209	2.084	5.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.397	0.451	-13.6	100	0.00
51	TMP	m,p-Xylene	0.848	0.820	3.3	100	0.00
52	TMP	o-Xylene	0.844	0.826	2.1	100	0.00
53	TMP	Styrene	1.396	1.375	1.5	100	0.00

(#) = Out of Range

Data File : I:\06-03-15\060315.D
Acq On : 3 Jun 2015 5:03 pm
Sample : 8260 150 ppb ICAL 45-145 L
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 15
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	2.181	2.162	0.9	100	0.00
55	TMP	Bromoform	0.229	0.321	-40.2#	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.913	0.952	-4.3	100	0.00
58	TMP	n-Propylbenzene	4.163	4.298	-3.2	100	0.00
59	TMP	Bromobenzene	0.938	0.953	-1.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	3.301	3.298	0.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.889	0.960	-8.0	100	0.00
62	TMP	1,2,3-Trichloropropane	0.782	0.803	-2.7	100	0.00
63	TMP	2-Chlorotoluene	2.657	2.596	2.3	100	0.00
64	TMP	4-Chlorotoluene	3.074	3.122	-1.6	100	0.00
65	TMP	tert-Butylbenzene	2.873	2.876	-0.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	3.331	3.346	-0.5	100	0.00
67	TMP	sec-Butylbenzene	3.862	3.990	-3.3	100	0.00
68	TMP	p-Isopropyltoluene	3.576	3.662	-2.4	100	0.00
69	TMP	1,3-Dichlorobenzene	1.816	1.797	1.0	100	0.00
70	TMP	1,4-Dichlorobenzene	1.897	1.807	4.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.857	1.778	4.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.189	0.249	-31.7#	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.520	1.477	2.8	100	0.00
74	TMP	Hexachlorobutadiene	0.668	0.665	0.4	100	0.00
75	TMP	Naphthalene	3.991	4.019	-0.7	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.413	1.394	1.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : I:\06-03-15\060316.D
Acq On : 3 Jun 2015 5:24 pm
Sample : 8260 50 ppb 2nd Source 45-146 B
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:23 2015

Vial: 16
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Initial Calibration
DataAcq Meth : 826040

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.42	96	1078773	50.00	ppb	0.00
39) Chlorobenzene-d5	7.05	117	1014092	50.00	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.27	152	609779	50.00	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	3.87	113	295812	52.15	ppb	0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 104.30%			
30) 1,2-Dichloroethane-d4	4.15	102	63339	50.71	ppb	0.00
Spiked Amount 50.000	Range 62 - 142		Recovery = 101.42%			
35) Toluene-d8	5.76	98	1202038	51.47	ppb	0.00
Spiked Amount 50.000	Range 55 - 145		Recovery = 102.94%			
57) 4-Bromofluorobenzene	8.16	95	556607	49.99	ppb	0.00
Spiked Amount 50.000	Range 65 - 139		Recovery = 99.98%			
Target Compounds						Qvalue
2) Ethanol	1.85	45	256714	2234.459	ppb	100
4) Dichlorodifluoromethane	1.05	85	443374	59.177	ppb	95
5) Chloromethane	1.14	50	365781	58.993	ppb	99
6) Vinyl chloride	1.21	62	453848	60.021	ppb	100
7) Bromomethane	1.42	94	294734	54.043	ppb	97
8) Chloroethane	1.49	64	237318	54.747	ppb	96
9) Trichlorofluoromethane	1.66	101	626638	52.786	ppb	99
10) 2-Propanol	2.26	45	189480	255.292	ppb	98
11) Acetone	2.12	58	193310	234.402	ppb	98
12) 1,1-Dichloroethene	2.03	96	335234	49.611	ppb	92
13) Hexane	2.85	57	557679	55.593	ppb	98
14) Methylene chloride	2.43	84	387445	51.560	ppb	100
15) t-Butyl alcohol (TBA)	2.59	59	4075809	2748.134	ppb	99
16) Methyl t-butyl ether (MTBE	2.66	73	1361842	53.221	ppb	97
17) trans-1,2-Dichloroethene	2.65	96	382186	50.357	ppb	97
18) Diisopropyl ether (DIPE)	3.06	45	1197213	52.343	ppb	99
19) 1,1-Dichloroethane	2.99	63	697756	51.648	ppb	99
20) Ethyl t-butyl ether (ETBE)	3.35	87	550564	51.178	ppb	98
21) 2,2-Dichloropropane	3.46	77	455523	55.499	ppb	97
22) cis-1,2-Dichloroethene	3.47	96	445941	51.103	ppb	96
23) Chloroform	3.74	83	754461	51.662	ppb	99
24) 2-Butanone (MEK)	3.51	72	274304	244.552	ppb	99
25) t-Amyl methyl ether (TAME)	4.28	73	1277598	52.182	ppb	98
26) 1,2-Dichloroethane (EDC)	4.21	62	693702	49.805	ppb	99
27) 1,1,1-Trichloroethane	3.87	97	682288	53.666	ppb	98
28) 1,1-Dichloropropene	4.00	75	578972	49.545	ppb	97
29) Carbon tetrachloride	4.00	117	586880	56.232	ppb	98
31) Benzene	4.18	78	1567056	46.924	ppb	100
32) Trichloroethene	4.71	95	469660	51.013	ppb	99
33) 1,2-Dichloropropane	4.92	63	388020	53.159	ppb	100
34) Bromodichloromethane	5.16	83	536247	56.752	ppb	99
36) Dibromomethane	5.02	93	275788	52.246	ppb	97
37) 4-Methyl-2-pentanone	5.70	100	374421	245.460	ppb #	91
38) cis-1,3-Dichloropropene	5.55	75	647625	55.958	ppb	99
40) Toluene	5.82	92	1083384	48.428	ppb	100
41) trans-1,3-Dichloropropene	6.04	75	615911	51.681	ppb	99
42) 1,1,2-Trichloroethane	6.20	83	315662	49.400	ppb	98
43) 2-Hexanone	6.43	43	1741913	245.761	ppb	99
44) 1,3-Dichloropropane	6.35	76	644559	50.637	ppb	99
45) Tetrachloroethene	6.29	164	382815	48.116	ppb	98

(#) = qualifier out of range (m) = manual integration

Data File : I:\06-03-15\060316.D
Acq On : 3 Jun 2015 5:24 pm
Sample : 8260 50 ppb 2nd Source 45-146 B
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:23 2015

Vial: 16
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Initial Calibration
DataAcq Meth : 826040

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	Dibromochloromethane	6.54	129	425260	51.830	ppb	99
47)	1,2-Dibromoethane (EDB)	6.64	107	423451	52.987	ppb	98
48)	Chlorobenzene	7.08	112	1240172	46.398	ppb	98
49)	Ethylbenzene	7.18	91	2134327	47.647	ppb	100
50)	1,1,1,2-Tetrachloroethane	7.17	131	446789	55.488	ppb	96
51)	m,p-Xylene	7.30	106	1660823	96.601	ppb	99
52)	o-Xylene	7.66	106	828799	48.394	ppb	98
53)	Styrene	7.68	104	1404220	49.596	ppb	98
54)	Isopropylbenzene	8.01	105	2219560	50.182	ppb	100
55)	Bromoform	7.86	173	281372	50.938	ppb	98
58)	n-Propylbenzene	8.41	91	2568880	50.599	ppb	99
59)	Bromobenzene	8.29	156	572944	50.100	ppb	96
60)	1,3,5-Trimethylbenzene	8.58	105	1954861	48.562	ppb	98
61)	1,1,2,2-Tetrachloroethane	8.33	83	555460	51.254	ppb	97
62)	1,2,3-Trichloropropane	8.36	75	476195	49.918	ppb	97
63)	2-Chlorotoluene	8.48	91	1552518	47.917	ppb	98
64)	4-Chlorotoluene	8.59	91	1844632	49.197	ppb	98
65)	tert-Butylbenzene	8.89	119	1713384	48.903	ppb	99
66)	1,2,4-Trimethylbenzene	8.94	105	1967995	48.450	ppb	99
67)	sec-Butylbenzene	9.10	105	2375781	50.442	ppb	100
68)	p-Isopropyltoluene	9.25	119	2156031	49.439	ppb	100
69)	1,3-Dichlorobenzene	9.20	146	1089280	49.188	ppb	98
70)	1,4-Dichlorobenzene	9.29	146	1110502	47.994	ppb	99
71)	1,2-Dichlorobenzene	9.65	146	1065959	47.067	ppb	97
72)	1,2-Dibromo-3-chloropropan	10.43	75	132379	52.022	ppb	92
73)	1,2,4-Trichlorobenzene	11.23	180	885782	47.799	ppb	99
74)	Hexachlorobutadiene	11.40	225	399610	49.036	ppb	99
75)	Naphthalene	11.47	128	2450298	50.346	ppb	99
76)	1,2,3-Trichlorobenzene	11.71	180	865245	50.201	ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

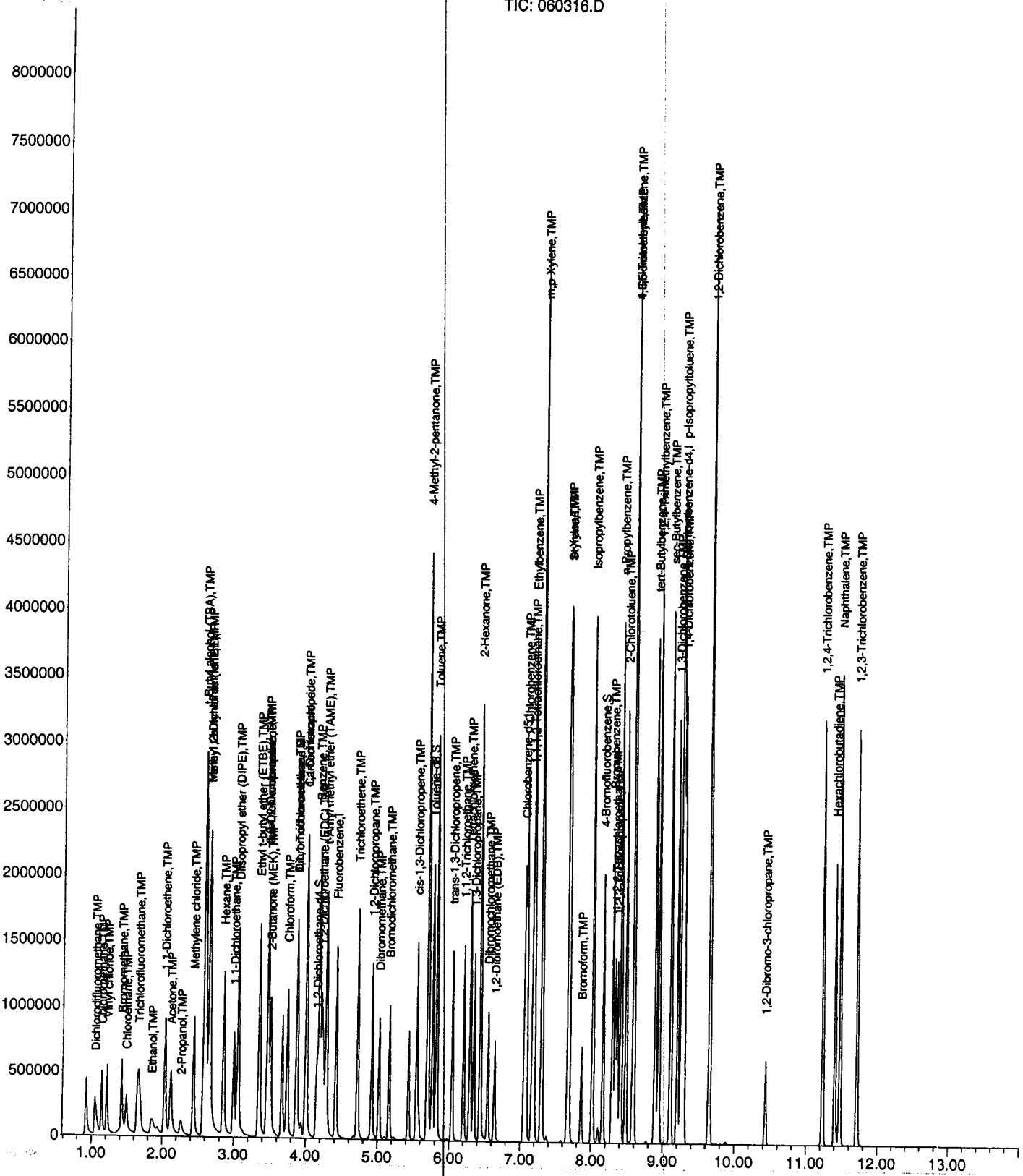
Data File : I:\06-03-15\060316.D
Acq On : 3 Jun 2015 5:24 pm
Sample : 8260 50 ppb 2nd Source 45-146 B
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 3 18:23 2015

Vial: 16
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Initial Calibration

TIC: 060316.D



Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060316.D
Acq On : 3 Jun 2015 5:24 pm
Sample : 8260 50 ppb 2nd Source 45-146 B
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 16
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	101	0.00
2	TMP	Ethanol	2500.000	2234.459	10.6	95	0.00
3	S	Dibromofluoromethane	50.000	52.149	-4.3	103	0.00
4	TMP	Dichlorodifluoromethane	50.000	59.177	-18.4	131	0.00
5	TMP	Chloromethane	50.000	58.993	-18.0	129	0.00
6	TMP	Vinyl chloride	50.000	60.021	-20.0	129	0.00
7	TMP	Bromomethane	50.000	54.043	-8.1	120	0.00
8	TMP	Chloroethane	50.000	54.747	-9.5	114	0.00
9	TMP	Trichlorofluoromethane	50.000	52.786	-5.6	112	0.00
10	TMP	2-Propanol	250.000	255.292	-2.1	103	0.00
11	TMP	Acetone	250.000	234.402	6.2	106	0.00
12	TMP	1,1-Dichloroethene	50.000	49.611	0.8	104	0.00
13	TMP	Hexane	50.000	55.593	-11.2	122	0.00
14	TMP	Methylene chloride	50.000	51.560	-3.1	104	0.00
15	TMP	t-Butyl alcohol (TBA)	2500.000	2748.134	-9.9	111	0.00
16	TMP	Methyl t-butyl ether (MTBE)	50.000	53.221	-6.4	111	0.00
17	TMP	trans-1,2-Dichloroethene	50.000	50.357	-0.7	104	0.00
18	TMP	Diisopropyl ether (DIPE)	50.000	52.343	-4.7	110	0.00
19	TMP	1,1-Dichloroethane	50.000	51.648	-3.3	104	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	50.000	51.178	-2.4	105	0.00
21	TMP	2,2-Dichloropropane	50.000	55.499	-11.0	108	0.00
22	TMP	cis-1,2-Dichloroethene	50.000	51.103	-2.2	106	0.00
23	TMP	Chloroform	50.000	51.662	-3.3	105	0.00
24	TMP	2-Butanone (MEK)	250.000	244.552	2.2	101	0.00
25	TMP	t-Amyl methyl ether (TAME)	50.000	52.182	-4.4	108	0.00
26	TMP	1,2-Dichloroethane (EDC)	50.000	49.805	0.4	106	0.00
27	TMP	1,1,1-Trichloroethane	50.000	53.666	-7.3	105	0.00
28	TMP	1,1-Dichloropropene	50.000	49.545	0.9	101	0.00
29	TMP	Carbon tetrachloride	50.000	56.232	-12.5	108	0.00
30	S	1,2-Dichloroethane-d4	50.000	50.710	-1.4	105	0.00
31	TMP	Benzene	50.000	46.924	6.2	103	0.00
32	TMP	Trichloroethene	50.000	51.013	-2.0	104	0.00
33	TMP	1,2-Dichloropropane	50.000	53.159	-6.3	104	0.00
34	TMP	Bromodichloromethane	50.000	56.752	-13.5	106	0.00
35	S	Toluene-d8	50.000	51.467	-2.9	102	0.00
36	TMP	Dibromomethane	50.000	52.246	-4.5	104	0.00
37	TMP	4-Methyl-2-pentanone	250.000	245.460	1.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	50.000	55.958	-11.9	103	0.00
39	I	Chlorobenzene-d5	50.000	50.000	0.0	103	0.00
40	TMP	Toluene	50.000	48.428	3.1	104	0.00
41	TMP	trans-1,3-Dichloropropene	50.000	51.681	-3.4	103	0.00
42	TMP	1,1,2-Trichloroethane	50.000	49.400	1.2	105	0.00
43	TMP	2-Hexanone	250.000	245.761	1.7	98	0.00
44	TMP	1,3-Dichloropropane	50.000	50.637	-1.3	104	0.00
45	TMP	Tetrachloroethene	50.000	48.116	3.8	104	0.00
46	TMP	Dibromochloromethane	50.000	51.830	-3.7	103	0.00
47	TMP	1,2-Dibromoethane (EDB)	50.000	52.987	-6.0	105	0.00
48	TMP	Chlorobenzene	50.000	46.398	7.2	102	0.00
49	TMP	Ethylbenzene	50.000	47.647	4.7	102	0.00
50	TMP	1,1,1,2-Tetrachloroethane	50.000	55.488	-11.0	106	0.00
51	TMP	m,p-Xylene	100.000	96.601	3.4	103	0.00
52	TMP	o-Xylene	50.000	48.394	3.2	102	0.00
53	TMP	Styrene	50.000	49.596	0.8	104	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060316.D
Acq On : 3 Jun 2015 5:24 pm
Sample : 8260 50 ppb 2nd Source 45-146 B
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 16
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	50.000	50.182	-0.4	103	0.00
55	TMP	Bromoform	50.000	50.938	-1.9	105	0.00
56	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	101	0.00
57	S	4-Bromofluorobenzene	50.000	49.987	0.0	101	0.00
58	TMP	n-Propylbenzene	50.000	50.599	-1.2	104	0.00
59	TMP	Bromobenzene	50.000	50.100	-0.2	103	0.00
60	TMP	1,3,5-Trimethylbenzene	50.000	48.562	2.9	103	0.00
61	TMP	1,1,2,2-Tetrachloroethane	50.000	51.254	-2.5	104	0.00
62	TMP	1,2,3-Trichloropropane	50.000	49.918	0.2	105	0.00
63	TMP	2-Chlorotoluene	50.000	47.917	4.2	103	0.00
64	TMP	4-Chlorotoluene	50.000	49.197	1.6	103	0.00
65	TMP	tert-Butylbenzene	50.000	48.903	2.2	102	0.00
66	TMP	1,2,4-Trimethylbenzene	50.000	48.450	3.1	100	0.00
67	TMP	sec-Butylbenzene	50.000	50.442	-0.9	102	0.00
68	TMP	p-Isopropyltoluene	50.000	49.439	1.1	100	0.00
69	TMP	1,3-Dichlorobenzene	50.000	49.188	1.6	102	0.00
70	TMP	1,4-Dichlorobenzene	50.000	47.994	4.0	103	0.00
71	TMP	1,2-Dichlorobenzene	50.000	47.067	5.9	102	0.00
72	TMP	1,2-Dibromo-3-chloropropane	50.000	52.022	-4.0	105	0.00
73	TMP	1,2,4-Trichlorobenzene	50.000	47.799	4.4	102	0.00
74	TMP	Hexachlorobutadiene	50.000	49.036	1.9	103	0.00
75	TMP	Naphthalene	50.000	50.346	-0.7	103	0.00
76	TMP	1,2,3-Trichlorobenzene	50.000	50.201	-0.4	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : I:\06-03-15\060316.D
Acq On : 3 Jun 2015 5:24 pm
Sample : 8260 50 ppb 2nd Source 45-146 B
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 16
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	101	0.00
2	TMP	Ethanol	0.005	0.005	0.0	95	0.00
3	S	Dibromofluoromethane	0.263	0.274	-4.2	103	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.411	-18.4	131	0.00
5	TMP	Chloromethane	0.287	0.339	-18.1	129	0.00
6	TMP	Vinyl chloride	0.350	0.421	-20.3	129	0.00
7	TMP	Bromomethane	0.253	0.273	-7.9	120	0.00
8	TMP	Chloroethane	0.201	0.220	-9.5	114	0.00
9	TMP	Trichlorofluoromethane	0.550	0.581	-5.6	112	0.00
10	TMP	2-Propanol	0.034	0.035	-2.9	103	0.00
11	TMP	Acetone	0.038	0.036	5.3	106	0.00
12	TMP	1,1-Dichloroethene	0.313	0.311	0.6	104	0.00
13	TMP	Hexane	0.465	0.517	-11.2	122	0.00
14	TMP	Methylene chloride	0.451	0.359	20.4	104	0.00
15	TMP	t-Butyl alcohol (TBA)	0.069	0.076	-10.1	111	0.00
16	TMP	Methyl t-butyl ether (MTBE)	1.186	1.262	-6.4	111	0.00
17	TMP	trans-1,2-Dichloroethene	0.352	0.354	-0.6	104	0.00
18	TMP	Diisopropyl ether (DIPE)	1.060	1.110	-4.7	110	0.00
19	TMP	1,1-Dichloroethane	0.626	0.647	-3.4	104	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.499	0.510	-2.2	105	0.00
21	TMP	2,2-Dichloropropane	0.380	0.422	-11.1	108	0.00
22	TMP	cis-1,2-Dichloroethene	0.404	0.413	-2.2	106	0.00
23	TMP	Chloroform	0.677	0.699	-3.2	105	0.00
24	TMP	2-Butanone (MEK)	0.052	0.051	1.9	101	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.135	1.184	-4.3	108	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.646	0.643	0.5	106	0.00
27	TMP	1,1,1-Trichloroethane	0.589	0.632	-7.3	105	0.00
28	TMP	1,1-Dichloropropene	0.542	0.537	0.9	101	0.00
29	TMP	Carbon tetrachloride	0.484	0.544	-12.4	108	0.00
30	S	1,2-Dichloroethane-d4	0.058	0.059	-1.7	105	0.00
31	TMP	Benzene	1.548	1.453	6.1	103	0.00
32	TMP	Trichloroethene	0.427	0.435	-1.9	104	0.00
33	TMP	1,2-Dichloropropane	0.338	0.360	-6.5	104	0.00
34	TMP	Bromodichloromethane	0.438	0.497	-13.5	106	0.00
35	S	Toluene-d8	1.083	1.114	-2.9	102	0.00
36	TMP	Dibromomethane	0.245	0.256	-4.5	104	0.00
37	TMP	4-Methyl-2-pentanone	0.071	0.069	2.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.536	0.600	-11.9	103	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
40	TMP	Toluene	1.103	1.068	3.2	104	0.00
41	TMP	trans-1,3-Dichloropropene	0.525	0.607	-15.6	103	0.00
42	TMP	1,1,2-Trichloroethane	0.315	0.311	1.3	105	0.00
43	TMP	2-Hexanone	0.349	0.344	1.4	98	0.00
44	TMP	1,3-Dichloropropane	0.628	0.636	-1.3	104	0.00
45	TMP	Tetrachloroethene	0.392	0.377	3.8	104	0.00
46	TMP	Dibromochloromethane	0.357	0.419	-17.4	103	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.394	0.418	-6.1	105	0.00
48	TMP	Chlorobenzene	1.318	1.223	7.2	102	0.00
49	TMP	Ethylbenzene	2.209	2.105	4.7	102	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.397	0.441	-11.1	106	0.00
51	TMP	m,p-Xylene	0.848	0.819	3.4	103	0.00
52	TMP	o-Xylene	0.844	0.817	3.2	102	0.00
53	TMP	Styrene	1.396	1.385	0.8	104	0.00

(#) = Out of Range

Data File : I:\06-03-15\060316.D
Acq On : 3 Jun 2015 5:24 pm
Sample : 8260 50 ppb 2nd Source 45-146 B
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 16
Operator: JS
Inst : GCMS4
Multiplr: 1.00

Method : D:\METHODS\INST4\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Wed Jun 03 18:14:30 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	2.181	2.189	-0.4	103	0.00
55	TMP	Bromoform	0.229	0.277	-21.0	105	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
57	S	4-Bromofluorobenzene	0.913	0.913	0.0	101	0.00
58	TMP	n-Propylbenzene	4.163	4.213	-1.2	104	0.00
59	TMP	Bromobenzene	0.938	0.940	-0.2	103	0.00
60	TMP	1,3,5-Trimethylbenzene	3.301	3.206	2.9	103	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.889	0.911	-2.5	104	0.00
62	TMP	1,2,3-Trichloropropane	0.782	0.781	0.1	105	0.00
63	TMP	2-Chlorotoluene	2.657	2.546	4.2	103	0.00
64	TMP	4-Chlorotoluene	3.074	3.025	1.6	103	0.00
65	TMP	tert-Butylbenzene	2.873	2.810	2.2	102	0.00
66	TMP	1,2,4-Trimethylbenzene	3.331	3.227	3.1	100	0.00
67	TMP	sec-Butylbenzene	3.862	3.896	-0.9	102	0.00
68	TMP	p-Isopropyltoluene	3.576	3.536	1.1	100	0.00
69	TMP	1,3-Dichlorobenzene	1.816	1.786	1.7	102	0.00
70	TMP	1,4-Dichlorobenzene	1.897	1.821	4.0	103	0.00
71	TMP	1,2-Dichlorobenzene	1.857	1.748	5.9	102	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.189	0.217	-14.8	105	0.00
73	TMP	1,2,4-Trichlorobenzene	1.520	1.453	4.4	102	0.00
74	TMP	Hexachlorobutadiene	0.668	0.655	1.9	103	0.00
75	TMP	Naphthalene	3.991	4.018	-0.7	103	0.00
76	TMP	1,2,3-Trichlorobenzene	1.413	1.419	-0.4	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

EPA 8260C
CCV Summaries

F&B Project 506112

Quantitation Report (QT Reviewed)

Data File : P:\06-09-15\060916.D Vial: 16
Acq On : 9 Jun 2015 3:44 pm Operator: JS
Sample : 8260 50 ppb CCV 45-145 J Inst : GCMS7
Misc : soil/water Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:23 2015 Quant Results File: VB060315.RES

Quant Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.74	96	1110113	50.00	ppb	0.00
39) Chlorobenzene-d5	7.40	117	806131	50.00	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.61	152	445240	50.00	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	318699	49.85	ppb	0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 99.70%			
30) 1,2-Dichloroethane-d4	4.46	102	75420	49.92	ppb	0.00
Spiked Amount 50.000	Range 82 - 129		Recovery = 99.84%			
35) Toluene-d8	6.11	98	1045288	50.60	ppb	0.00
Spiked Amount 50.000	Range 23 - 185		Recovery = 101.20%			
57) 4-Bromofluorobenzene	8.50	95	398987	50.53	ppb	0.00
Spiked Amount 50.000	Range 45 - 167		Recovery = 101.06%			
Target Compounds						Qvalue
2) Ethanol	2.03	45	314571	2480.65	ppb	99
4) Dichlorodifluoromethane	1.13	85	390467	57.29	ppb	100
5) Chloromethane	1.25	50	394998	51.35	ppb	100
6) Vinyl chloride	1.34	62	444873	51.21	ppb	99
7) Bromomethane	1.57	94	109494	61.71	ppb	97
8) Chloroethane	1.66	64	154155	50.24	ppb	100
9) Trichlorofluoromethane	1.87	101	521348	51.96	ppb	99
10) 2-Propanol	2.48	45	149974	245.18	ppb	99
11) Acetone	2.34	58	231733	258.16	ppb	97
12) 1,1-Dichloroethene	2.29	96	372777	49.02	ppb	99
13) Hexane	3.18	57	538226	53.90	ppb	99
14) Methylene chloride	2.69	84	445782	55.87	ppb	98
15) t-Butyl alcohol (TBA)	2.83	59	3133494	2887.46	ppb	98
16) Methyl t-butyl ether (MTBE	2.95	73	1080409	54.24	ppb	98
17) trans-1,2-Dichloroethene	2.93	96	414712	50.12	ppb	99
18) Diisopropyl ether (DIPE)	3.37	45	1052126	52.64	ppb	99
19) 1,1-Dichloroethane	3.29	63	691285	48.19	ppb	100
20) Ethyl t-butyl ether (ETBE)	3.67	87	413896	56.57	ppb	98
21) 2,2-Dichloropropane	3.77	77	294209	49.16	ppb	100
22) cis-1,2-Dichloroethene	3.77	96	444367	49.75	ppb	99
23) Chloroform	4.04	83	739990	48.04	ppb	100
24) 2-Butanone (MEK)	3.79	72	330041	286.77	ppb	99
25) t-Amyl methyl ether (TAME)	4.61	73	915409	58.36	ppb	100
26) 1,2-Dichloroethane (EDC)	4.52	62	585616	45.89	ppb	100
27) 1,1,1-Trichloroethane	4.20	97	564007	49.42	ppb	99
28) 1,1-Dichloropropene	4.34	75	578438	52.55	ppb	100
29) Carbon tetrachloride	4.34	117	513452	49.85	ppb	100
31) Benzene	4.51	78	1563613	48.45	ppb	100
32) Trichloroethene	5.05	95	432216	48.29	ppb	99
33) 1,2-Dichloropropane	5.24	63	373974	49.97	ppb	99
34) Bromodichloromethane	5.48	83	528566	49.59	ppb	100
36) Dibromomethane	5.34	93	285319	48.05	ppb	99
37) 4-Methyl-2-pentanone	6.01	100	386159	296.95	ppb	97
38) cis-1,3-Dichloropropene	5.87	75	560290	55.01	ppb	99
40) Toluene	6.17	92	951630	48.16	ppb	99
41) trans-1,3-Dichloropropene	6.35	75	472533	55.34	ppb	99
42) 1,1,2-Trichloroethane	6.52	83	313948	48.64	ppb	100
43) 2-Hexanone	6.75	43	1672943	291.43	ppb	99
44) 1,3-Dichloropropane	6.66	76	611765	49.12	ppb	100
45) Tetrachloroethene	6.65	164	369718	48.78	ppb	100
46) Dibromochloromethane	6.87	129	430472	51.38	ppb	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : P:\06-09-15\060916.D
Acq On : 9 Jun 2015 3:44 pm
Sample : 8260 50 ppb CCV 45-145 J
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:23 2015

Vial: 16
Operator: JS
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47) 1,2-Dibromoethane (EDB)	6.97	107	401340	50.84	ppb	99
48) Chlorobenzene	7.42	112	1104984	46.64	ppb	99
49) Ethylbenzene	7.53	91	1788702	52.12	ppb	99
50) 1,1,1,2-Tetrachloroethane	7.50	131	362067	50.77	ppb	99
51) m,p-Xylene	7.64	106	1399718	110.03	ppb	99
52) o-Xylene	8.01	106	687394	57.61	ppb	99
53) Styrene	8.02	104	1145345	59.20	ppb	99
54) Isopropylbenzene	8.36	105	1767925	59.05	ppb	99
55) Bromoform	8.18	173	301402	50.45	ppb	99
58) n-Propylbenzene	8.76	91	2082423	52.84	ppb	99
59) Bromobenzene	8.64	156	481456	47.78	ppb	99
60) 1,3,5-Trimethylbenzene	8.93	105	1453252	55.69	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.64	83	571838	47.24	ppb	99
62) 1,2,3-Trichloropropane	8.68	75	435933	47.78	ppb	100
63) 2-Chlorotoluene	8.83	91	1257899	50.92	ppb	99
64) 4-Chlorotoluene	8.93	91	1479437	52.09	ppb	100
65) tert-Butylbenzene	9.24	119	1258321	57.98	ppb	99
66) 1,2,4-Trimethylbenzene	9.29	105	1484408	57.53	ppb	100
67) sec-Butylbenzene	9.45	105	1902658	57.60	ppb	99
68) p-Isopropyltoluene	9.60	119	1604539	56.22	ppb	100
69) 1,3-Dichlorobenzene	9.55	146	899950	48.39	ppb	100
70) 1,4-Dichlorobenzene	9.64	146	915742	46.74	ppb	99
71) 1,2-Dichlorobenzene	9.99	146	880828	47.76	ppb	100
72) 1,2-Dibromo-3-chloropropan	10.75	75	104202	54.61	ppb	99
73) 1,2,4-Trichlorobenzene	11.58	180	633893	51.93	ppb	99
74) Hexachlorobutadiene	11.76	225	335135	48.32	ppb	99
75) Naphthalene	11.81	128	1634334	55.45	ppb	100
76) 1,2,3-Trichlorobenzene	12.05	180	618429	51.93	ppb	99

(#) = qualifier out of range (m) = manual integration

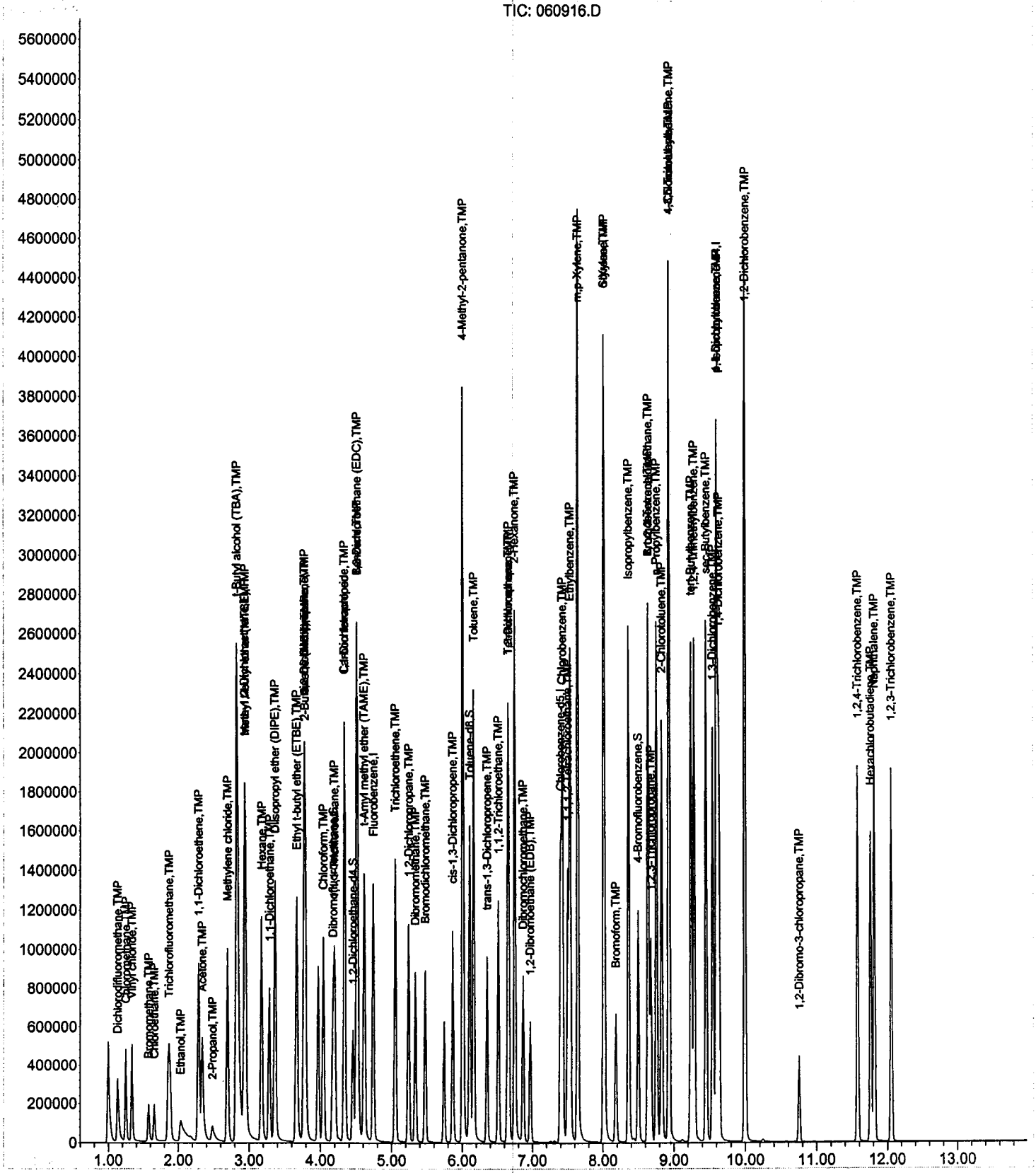
Data File : P:\06-09-15\060916.D
Acq On : 9 Jun 2015 3:44 pm
Sample : 8260 50 ppb CCV 45-145 J
Misc : soil/water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:23 2015

Vial: 16
Operator: JS
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration

TIC: 060916.D



Evaluate Continuing Calibration Report

Data File : P:\06-09-15\060916.D
Acq On : 9 Jun 2015 3:44 pm
Sample : 8260 50 ppb CCV 45-145 J
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 16
Operator: JS
Inst : GCMS7
Multiplr: 1.00

Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	99	0.00
2	TMP	Ethanol	2500.000	2480.647	0.8	98	0.00
3	S	Dibromofluoromethane	50.000	49.854	0.3	100	0.00
4	TMP	Dichlorodifluoromethane	50.000	57.290	-14.6	121	0.00
5	TMP	Chloromethane	50.000	51.349	-2.7	116	0.00
6	TMP	Vinyl chloride	50.000	51.211	-2.4	116	0.00
7	TMP	Bromomethane	50.000	61.714	-23.4#	123	0.00
8	TMP	Chloroethane	50.000	50.241	-0.5	112	0.00
9	TMP	Trichlorofluoromethane	50.000	51.963	-3.9	116	0.00
10	TMP	2-Propanol	250.000	245.175	1.9	96	0.00
11	TMP	Acetone	250.000	258.164	-3.3	110	0.00
12	TMP	1,1-Dichloroethene	50.000	49.024	2.0	109	0.00
13	TMP	Hexane	50.000	53.904	-7.8	113	0.00
14	TMP	Methylene chloride	50.000	55.873	-11.7	110	0.00
15	TMP	t-Butyl alcohol (TBA)	2500.000	2887.464	-15.5	107	0.00
16	TMP	Methyl t-butyl ether (MTBE)	50.000	54.237	-8.5	107	0.00
17	TMP	trans-1,2-Dichloroethene	50.000	50.117	-0.2	109	0.00
18	TMP	Diisopropyl ether (DIPE)	50.000	52.642	-5.3	105	0.00
19	TMP	1,1-Dichloroethane	50.000	48.191	3.6	106	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	50.000	56.570	-13.1	110	0.00
21	TMP	2,2-Dichloropropane	50.000	49.158	1.7	111	0.00
22	TMP	cis-1,2-Dichloroethene	50.000	49.746	0.5	105	0.00
23	TMP	Chloroform	50.000	48.038	3.9	106	0.00
24	TMP	2-Butanone (MEK)	250.000	286.767	-14.7	107	0.00
25	TMP	t-Amyl methyl ether (TAME)	50.000	58.357	-16.7	108	0.00
26	TMP	1,2-Dichloroethane (EDC)	50.000	45.889	8.2	103	0.00
27	TMP	1,1,1-Trichloroethane	50.000	49.416	1.2	108	0.00
28	TMP	1,1-Dichloropropene	50.000	52.552	-5.1	108	0.00
29	TMP	Carbon tetrachloride	50.000	49.845	0.3	109	0.00
30	S	1,2-Dichloroethane-d4	50.000	49.923	0.2	101	0.00
31	TMP	Benzene	50.000	48.452	3.1	106	0.00
32	TMP	Trichloroethene	50.000	48.286	3.4	106	0.00
33	TMP	1,2-Dichloropropane	50.000	49.971	0.1	105	0.00
34	TMP	Bromodichloromethane	50.000	49.586	0.8	105	0.00
35	S	Toluene-d8	50.000	50.595	-1.2	100	0.00
36	TMP	Dibromomethane	50.000	48.053	3.9	104	0.00
37	TMP	4-Methyl-2-pentanone	250.000	296.948	-18.8	104	0.00
38	TMP	cis-1,3-Dichloropropene	50.000	55.007	-10.0	105	0.00
39	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
40	TMP	Toluene	50.000	48.161	3.7	105	0.00
41	TMP	trans-1,3-Dichloropropene	50.000	55.337	-10.7	104	0.00
42	TMP	1,1,2-Trichloroethane	50.000	48.643	2.7	104	0.00
43	TMP	2-Hexanone	250.000	291.434	-16.6	102	0.00
44	TMP	1,3-Dichloropropane	50.000	49.118	1.8	104	0.00
45	TMP	Tetrachloroethene	50.000	48.781	2.4	107	0.00
46	TMP	Dibromochloromethane	50.000	51.383	-2.8	105	0.00
47	TMP	1,2-Dibromoethane (EDB)	50.000	50.837	-1.7	105	0.00
48	TMP	Chlorobenzene	50.000	46.642	6.7	105	0.00
49	TMP	Ethylbenzene	50.000	52.122	-4.2	105	0.00
50	TMP	1,1,1,2-Tetrachloroethane	50.000	50.766	-1.5	105	0.00
51	TMP	m,p-Xylene	100.000	110.030	-10.0	106	0.00
52	TMP	o-Xylene	50.000	57.613	-15.2	106	0.00
53	TMP	Styrene	50.000	59.201	-18.4	105	0.00
54	TMP	Isopropylbenzene	50.000	59.055	-18.1	107	0.00

(#) = Out of Range

Data File : P:\06-09-15\060916.D
Acq On : 9 Jun 2015 3:44 pm
Sample : 8260 50 ppb CCV 45-145 J
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 16
Operator: JS
Inst : GCMS7
Multiplr: 1.00

Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
55	TMP	Bromoform	50.000	50.445	-0.9	106	0.00
56	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	101	0.00
57	S	4-Bromofluorobenzene	50.000	50.528	-1.1	100	0.00
58	TMP	n-Propylbenzene	50.000	52.836	-5.7	105	0.00
59	TMP	Bromobenzene	50.000	47.782	4.4	104	0.00
60	TMP	1,3,5-Trimethylbenzene	50.000	55.686	-11.4	105	0.00
61	TMP	1,1,2,2-Tetrachloroethane	50.000	47.242	5.5	105	0.00
62	TMP	1,2,3-Trichloropropane	50.000	47.776	4.4	106	0.00
63	TMP	2-Chlorotoluene	50.000	50.917	-1.8	106	0.00
64	TMP	4-Chlorotoluene	50.000	52.088	-4.2	105	0.00
65	TMP	tert-Butylbenzene	50.000	57.984	-16.0	107	0.00
66	TMP	1,2,4-Trimethylbenzene	50.000	57.529	-15.1	105	0.00
67	TMP	sec-Butylbenzene	50.000	57.599	-15.2	106	0.00
68	TMP	p-Isopropyltoluene	50.000	56.222	-12.4	106	0.00
69	TMP	1,3-Dichlorobenzene	50.000	48.386	3.2	105	0.00
70	TMP	1,4-Dichlorobenzene	50.000	46.736	6.5	104	0.00
71	TMP	1,2-Dichlorobenzene	50.000	47.758	4.5	105	0.00
72	TMP	1,2-Dibromo-3-chloropropane	50.000	54.614	-9.2	107	0.00
73	TMP	1,2,4-Trichlorobenzene	50.000	51.931	-3.9	105	0.00
74	TMP	Hexachlorobutadiene	50.000	48.319	3.4	106	0.00
75	TMP	Naphthalene	50.000	55.450	-10.9	107	0.00
76	TMP	1,2,3-Trichlorobenzene	50.000	51.930	-3.9	106	0.00

Evaluate Continuing Calibration Report

Data File : P:\06-09-15\060916.D
Acq On : 9 Jun 2015 3:44 pm
Sample : 8260 50 ppb CCV 45-145 J
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 16
Operator: JS
Inst : GCMS7
Multiplr: 1.00

Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	99	0.00
2	TMP	Ethanol	0.006	0.006	0.0	98	0.00
3	S	Dibromofluoromethane	0.288	0.287	0.3	100	0.00
4	TMP	Dichlorodifluoromethane	0.307	0.352	-14.7	121	0.00
5	TMP	Chloromethane	0.346	0.356	-2.9	116	0.00
6	TMP	Vinyl chloride	0.391	0.401	-2.6	116	0.00
7	TMP	Bromomethane	0.093	0.099	-6.5	123	0.00
8	TMP	Chloroethane	0.138	0.139	-0.7	112	0.00
9	TMP	Trichlorofluoromethane	0.452	0.470	-4.0	116	0.00
10	TMP	2-Propanol	0.028	0.027	3.6	96	0.00
11	TMP	Acetone	0.040	0.042	-5.0	110	0.00
12	TMP	1,1-Dichloroethene	0.342	0.336	1.8	109	0.00
13	TMP	Hexane	0.450	0.485	-7.8	113	0.00
14	TMP	Methylene chloride	0.500	0.402	19.6	110	0.00
15	TMP	t-Butyl alcohol (TBA)	0.049	0.056	-14.3	107	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.897	0.973	-8.5	107	0.00
17	TMP	trans-1,2-Dichloroethene	0.373	0.374	-0.3	109	0.00
18	TMP	Diisopropyl ether (DIPE)	0.900	0.948	-5.3	105	0.00
19	TMP	1,1-Dichloroethane	0.646	0.623	3.6	106	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.373	-13.0	110	0.00
21	TMP	2,2-Dichloropropane	0.270	0.265	1.9	111	0.00
22	TMP	cis-1,2-Dichloroethene	0.402	0.400	0.5	105	0.00
23	TMP	Chloroform	0.694	0.667	3.9	106	0.00
24	TMP	2-Butanone (MEK)	0.052	0.059	-13.5	107	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.707	0.825	-16.7	108	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.575	0.528	8.2	103	0.00
27	TMP	1,1,1-Trichloroethane	0.514	0.508	1.2	108	0.00
28	TMP	1,1-Dichloropropene	0.496	0.521	-5.0	108	0.00
29	TMP	Carbon tetrachloride	0.464	0.463	0.2	109	0.00
30	S	1,2-Dichloroethane-d4	0.068	0.068	0.0	101	0.00
31	TMP	Benzene	1.454	1.409	3.1	106	0.00
32	TMP	Trichloroethene	0.403	0.389	3.5	106	0.00
33	TMP	1,2-Dichloropropane	0.337	0.337	0.0	105	0.00
34	TMP	Bromodichloromethane	0.480	0.476	0.8	105	0.00
35	S	Toluene-d8	0.931	0.942	-1.2	100	0.00
36	TMP	Dibromomethane	0.267	0.257	3.7	104	0.00
37	TMP	4-Methyl-2-pentanone	0.059	0.070	-18.6	104	0.00
38	TMP	cis-1,3-Dichloropropene	0.459	0.505	-10.0	105	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.226	1.180	3.8	105	0.00
41	TMP	trans-1,3-Dichloropropene	0.530	0.586	-10.6	104	0.00
42	TMP	1,1,2-Trichloroethane	0.400	0.389	2.8	104	0.00
43	TMP	2-Hexanone	0.356	0.415	-16.6	102	0.00
44	TMP	1,3-Dichloropropane	0.773	0.759	1.8	104	0.00
45	TMP	Tetrachloroethene	0.470	0.459	2.3	107	0.00
46	TMP	Dibromochloromethane	0.520	0.534	-2.7	105	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.490	0.498	-1.6	105	0.00
48	TMP	Chlorobenzene	1.469	1.371	6.7	105	0.00
49	TMP	Ethylbenzene	2.129	2.219	-4.2	105	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.442	0.449	-1.6	105	0.00
51	TMP	m,p-Xylene	0.789	0.868	-10.0	106	0.00
52	TMP	o-Xylene	0.740	0.853	-15.3	106	0.00
53	TMP	Styrene	1.200	1.421	-18.4	105	0.00
54	TMP	Isopropylbenzene	1.857	2.193	-18.1	107	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : P:\06-09-15\060916.D
Acq On : 9 Jun 2015 3:44 pm
Sample : 8260 50 ppb CCV 45-145 J
Misc : soil/water
MS Integration Params: LSCINT.P

Vial: 16
Operator: JS
Inst : GCMS7
Multiplr: 1.00

Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
55	TMP	Bromoform	0.371	0.374	-0.8	106	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
57	S	4-Bromofluorobenzene	0.887	0.896	-1.0	100	0.00
58	TMP	n-Propylbenzene	4.426	4.677	-5.7	105	0.00
59	TMP	Bromobenzene	1.132	1.081	4.5	104	0.00
60	TMP	1,3,5-Trimethylbenzene	2.931	3.264	-11.4	105	0.00
61	TMP	1,1,2,2-Tetrachloroethane	1.359	1.284	5.5	105	0.00
62	TMP	1,2,3-Trichloropropane	1.025	0.979	4.5	106	0.00
63	TMP	2-Chlorotoluene	2.774	2.825	-1.8	106	0.00
64	TMP	4-Chlorotoluene	3.190	3.323	-4.2	105	0.00
65	TMP	tert-Butylbenzene	2.437	2.826	-16.0	107	0.00
66	TMP	1,2,4-Trimethylbenzene	2.898	3.334	-15.0	105	0.00
67	TMP	sec-Butylbenzene	3.710	4.273	-15.2	106	0.00
68	TMP	p-Isopropyltoluene	3.205	3.604	-12.4	106	0.00
69	TMP	1,3-Dichlorobenzene	2.089	2.021	3.3	105	0.00
70	TMP	1,4-Dichlorobenzene	2.200	2.057	6.5	104	0.00
71	TMP	1,2-Dichlorobenzene	2.071	1.978	4.5	105	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.214	0.234	-9.3	107	0.00
73	TMP	1,2,4-Trichlorobenzene	1.371	1.424	-3.9	105	0.00
74	TMP	Hexachlorobutadiene	0.779	0.753	3.3	106	0.00
75	TMP	Naphthalene	2.779	3.671	-32.1#	107	0.00
76	TMP	1,2,3-Trichlorobenzene	1.337	1.389	-3.9	106	0.00

Quantitation Report | (QT Reviewed)

Data File : K:\06-10-15\061003.D
Acq On : 10 Jun 2015 8:11 am
Sample : 8260 50 ppb CCV 45-145 J
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 10 15:51 2015

Vial: 3
Operator: VM
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.74	96	1098002	50.00	ppb	0.00
39) Chlorobenzene-d5	7.40	117	794283	50.00	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.61	152	448948	50.00	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	315941	49.97	ppb	0.00
Spiked Amount 50.000	Range 0 - 1000			Recovery = 99.94%		
30) 1,2-Dichloroethane-d4	4.45	102	74992	50.19	ppb	0.00
Spiked Amount 50.000	Range 94 - 108			Recovery = 100.38%		
35) Toluene-d8	6.10	98	1037071	50.75	ppb	0.00
Spiked Amount 50.000	Range 91 - 107			Recovery = 101.50%		
57) 4-Bromofluorobenzene	8.50	95	397170	49.88	ppb	0.00
Spiked Amount 50.000	Range 91 - 110			Recovery = 99.76%		
Target Compounds						Qvalue
2) Ethanol	2.03	45	293484	2339.887	ppb	99
4) Dichlorodifluoromethane	1.13	85	385522	57.188	ppb	99
5) Chloromethane	1.25	50	408597	53.703	ppb	99
6) Vinyl chloride	1.33	62	465846	54.217	ppb	99
7) Bromomethane	1.57	94	137022	78.736	ppb	99
8) Chloroethane	1.65	64	188406	62.081	ppb	99
9) Trichlorofluoromethane	1.86	101	563493	56.783	ppb	99
10) 2-Propanol	2.47	45	139068	229.854	ppb	99
11) Acetone	2.34	58	225339	253.810	ppb	97
12) 1,1-Dichloroethene	2.29	96	369834	49.174	ppb	100
13) Hexane	3.17	57	516691	52.318	ppb	100
14) Methylene chloride	2.69	84	406122	51.367	ppb	97
15) t-Butyl alcohol (TBA)	2.82	59	2877596	2680.906	ppb	95
16) Methyl t-butyl ether (MTBE	2.95	73	1029952	52.274	ppb	100
17) trans-1,2-Dichloroethene	2.93	96	397819	48.606	ppb	100
18) Diisopropyl ether (DIPE)	3.36	45	986562	49.906	ppb	100
19) 1,1-Dichloroethane	3.28	63	654451	46.126	ppb	99
20) Ethyl t-butyl ether (ETBE)	3.66	87	395510	54.653	ppb	98
21) 2,2-Dichloropropane	3.77	77	311700	52.654	ppb	99
22) cis-1,2-Dichloroethene	3.77	96	425773	48.190	ppb	99
23) Chloroform	4.04	83	701406	46.035	ppb	100
24) 2-Butanone (MEK)	3.79	72	314997	276.714	ppb	97
25) t-Amyl methyl ether (TAME)	4.61	73	876077	56.465	ppb	99
26) 1,2-Dichloroethane (EDC)	4.51	62	553267	43.833	ppb	100
27) 1,1,1-Trichloroethane	4.19	97	557237	49.361	ppb	100
28) 1,1-Dichloropropene	4.34	75	539570	49.571	ppb	99
29) Carbon tetrachloride	4.34	117	515382	50.584	ppb	100
31) Benzene	4.50	78	1472032	46.117	ppb	100
32) Trichloroethene	5.05	95	406464	45.910	ppb	98
33) 1,2-Dichloropropane	5.24	63	345488	46.674	ppb	100
34) Bromodichloromethane	5.47	83	510468	48.417	ppb	99
36) Dibromomethane	5.34	93	268915	45.790	ppb	97
37) 4-Methyl-2-pentanone	6.01	100	372894	289.910	ppb	94
38) cis-1,3-Dichloropropene	5.87	75	540517	53.651	ppb	99
40) Toluene	6.16	92	901663	46.313	ppb	98
41) trans-1,3-Dichloropropene	6.35	75	467506	55.565	ppb	98
42) 1,1,2-Trichloroethane	6.51	83	299368	47.076	ppb	99
43) 2-Hexanone	6.75	43	1629251	288.056	ppb	99
44) 1,3-Dichloropropane	6.66	76	571303	46.554	ppb	100
45) Tetrachloroethene	6.65	164	348608	46.682	ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : K:\06-10-15\061003.D
Acq On : 10 Jun 2015 8:11 am
Sample : 8260 50 ppb CCV 45-145 J
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 10 15:51 2015

Vial: 3
Operator: VM
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46)	Dibromochloromethane	6.87	129	424947	51.480 ppb	99
47)	1,2-Dibromoethane (EDB)	6.97	107	382463	49.169 ppb	100
48)	Chlorobenzene	7.42	112	1037930	44.465 ppb	99
49)	Ethylbenzene	7.53	91	1695338	50.138 ppb	99
50)	1,1,1,2-Tetrachloroethane	7.50	131	358523	51.019 ppb	99
51)	m,p-Xylene	7.64	106	1325107	105.719 ppb	99
52)	o-Xylene	8.01	106	647807	55.105 ppb	100
53)	Styrene	8.02	104	1083910	56.861 ppb	99
54)	Isopropylbenzene	8.36	105	1670366	56.628 ppb	99
55)	Bromoform	8.18	173	304465	51.718 ppb	100
58)	n-Propylbenzene	8.76	91	1979166	49.802 ppb	100
59)	Bromobenzene	8.64	156	462490	45.520 ppb	98
60)	1,3,5-Trimethylbenzene	8.93	105	1376870	52.323 ppb	99
61)	1,1,2,2-Tetrachloroethane	8.64	83	550709	45.120 ppb	100
62)	1,2,3-Trichloropropane	8.68	75	416345	45.252 ppb	100
63)	2-Chlorotoluene	8.83	91	1194870	47.966 ppb	100
64)	4-Chlorotoluene	8.93	91	1404732	49.050 ppb	99
65)	tert-Butylbenzene	9.24	119	1190020	54.384 ppb	99
66)	1,2,4-Trimethylbenzene	9.29	105	1409395	54.171 ppb	100
67)	sec-Butylbenzene	9.45	105	1814733	54.484 ppb	100
68)	p-Isopropyltoluene	9.60	119	1532260	53.246 ppb	100
69)	1,3-Dichlorobenzene	9.55	146	853184	45.493 ppb	99
70)	1,4-Dichlorobenzene	9.64	146	876021	44.340 ppb	100
71)	1,2-Dichlorobenzene	9.99	146	832206	44.749 ppb	100
72)	1,2-Dibromo-3-chloropropan	10.75	75	102602	53.332 ppb	98
73)	1,2,4-Trichlorobenzene	11.58	180	580990	47.204 ppb	99
74)	Hexachlorobutadiene	11.76	225	308813	44.156 ppb	99
75)	Naphthalene	11.81	128	1516955	51.511 ppb	100
76)	1,2,3-Trichlorobenzene	12.05	180	567049	47.223 ppb	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

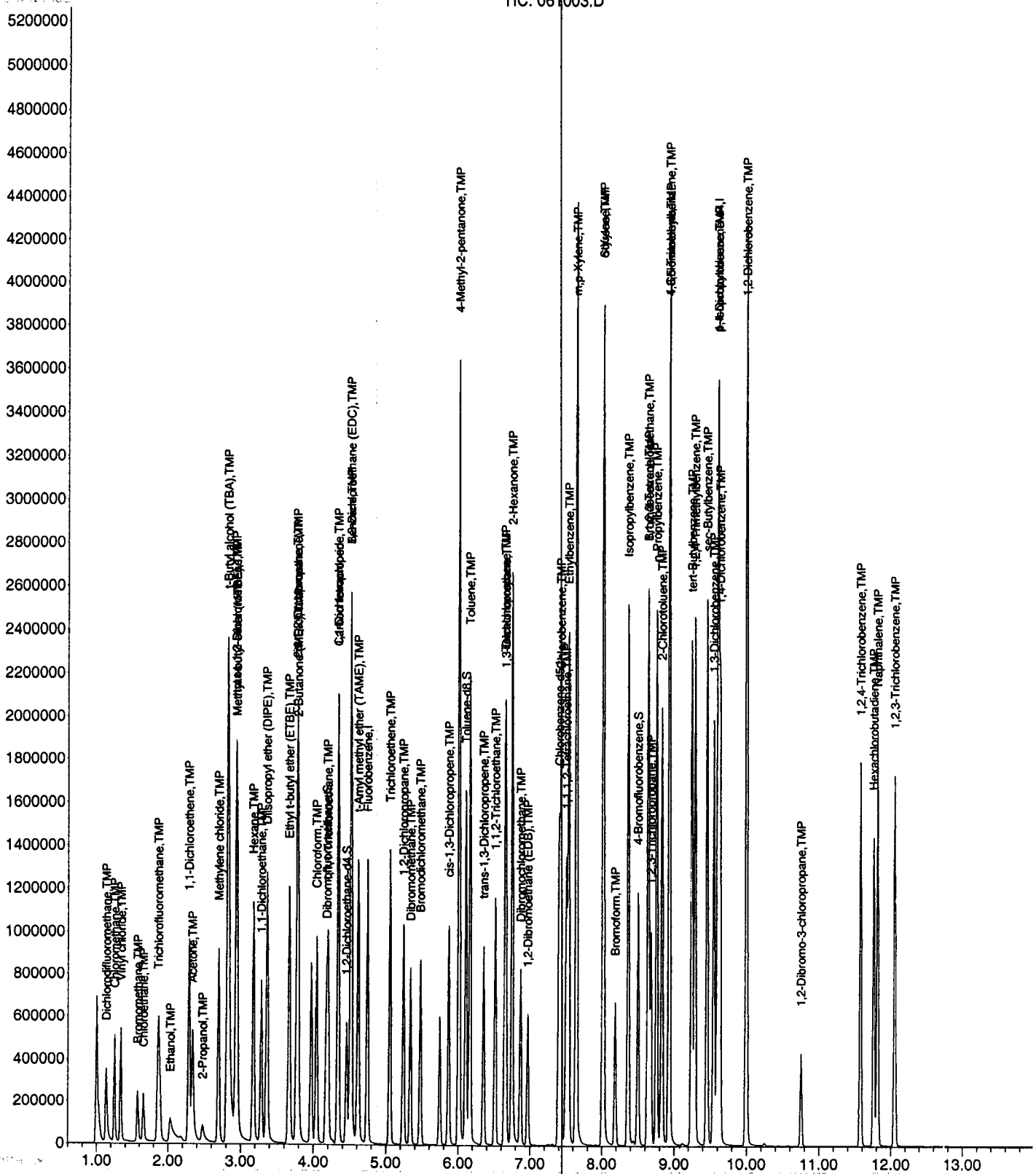
Data File : K:\06-10-15\061003.D
Acq On : 10 Jun 2015 8:11 am
Sample : 8260 50 ppb CCV 45-145 J
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 10 15:51 2015

Vial: 3
Operator: VM
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : D:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration

TIC: 061003.D



Evaluate Continuing Calibration Report

Data File : K:\06-10-15\061003.D Vial: 3
Acq On : 10 Jun 2015 8:11 am Operator: VM
Sample : 8260 50 ppb CCV 45-145 J Inst : GCMS7
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : D:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	50.000	50.000	0.0	98	0.00
2	TMP	Ethanol	2500.000	2339.887	6.4	92	0.00
3	S	Dibromofluoromethane	50.000	49.968	0.1	99	0.00
4	TMP	Dichlorodifluoromethane	50.000	57.188	-14.4	119	0.00
5	TMP	Chloromethane	50.000	53.703	-7.4	120	0.00
6	TMP	Vinyl chloride	50.000	54.217	-8.4	122	0.00
7	TMP	Bromomethane	50.000	78.736	-57.5#	153	0.00
8	TMP	Chloroethane	50.000	62.081	-24.2#	137	0.00
9	TMP	Trichlorofluoromethane	50.000	56.783	-13.6	125	0.00
10	TMP	2-Propanol	250.000	229.854	8.1	89	-0.01
11	TMP	Acetone	250.000	253.810	-1.5	107	0.00
12	TMP	1,1-Dichloroethene	50.000	49.174	1.7	109	0.00
13	TMP	Hexane	50.000	52.318	-4.6	108	0.00
14	TMP	Methylene chloride	50.000	51.367	-2.7	100	0.00
15	TMP	t-Butyl alcohol (TBA)	2500.000	2680.906	-7.2	99	0.00
16	TMP	Methyl t-butyl ether (MTBE)	50.000	52.274	-4.5	102	0.00
17	TMP	trans-1,2-Dichloroethene	50.000	48.606	2.8	104	0.00
18	TMP	Diisopropyl ether (DIPE)	50.000	49.906	0.2	98	0.00
19	TMP	1,1-Dichloroethane	50.000	46.126	7.7	101	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	50.000	54.653	-9.3	105	0.00
21	TMP	2,2-Dichloropropane	50.000	52.654	-5.3	118	0.00
22	TMP	cis-1,2-Dichloroethene	50.000	48.190	3.6	101	0.00
23	TMP	Chloroform	50.000	46.035	7.9	100	0.00
24	TMP	2-Butanone (MEK)	250.000	276.714	-10.7	102	0.00
25	TMP	t-Amyl methyl ether (TAME)	50.000	56.465	-12.9	103	0.00
26	TMP	1,2-Dichloroethane (EDC)	50.000	43.833	12.3	98	0.00
27	TMP	1,1,1-Trichloroethane	50.000	49.361	1.3	107	0.00
28	TMP	1,1-Dichloropropene	50.000	49.571	0.9	101	0.00
29	TMP	Carbon tetrachloride	50.000	50.584	-1.2	110	0.00
30	S	1,2-Dichloroethane-d4	50.000	50.187	-0.4	100	0.00
31	TMP	Benzene	50.000	46.117	7.8	100	0.00
32	TMP	Trichloroethene	50.000	45.910	8.2	100	0.00
33	TMP	1,2-Dichloropropane	50.000	46.674	6.7	97	0.00
34	TMP	Bromodichloromethane	50.000	48.417	3.2	101	0.00
35	S	Toluene-d8	50.000	50.751	-1.5	99	0.00
36	TMP	Dibromomethane	50.000	45.790	8.4	98	0.00
37	TMP	4-Methyl-2-pentanone	250.000	289.910	-16.0	101	0.00
38	TMP	cis-1,3-Dichloropropene	50.000	53.651	-7.3	101	0.00
39	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
40	TMP	Toluene	50.000	46.313	7.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	50.000	55.565	-11.1	103	0.00
42	TMP	1,1,2-Trichloroethane	50.000	47.076	5.8	99	0.00
43	TMP	2-Hexanone	250.000	288.056	-15.2	99	0.00
44	TMP	1,3-Dichloropropane	50.000	46.554	6.9	97	0.00
45	TMP	Tetrachloroethene	50.000	46.682	6.6	101	0.00
46	TMP	Dibromochloromethane	50.000	51.480	-3.0	103	0.00
47	TMP	1,2-Dibromoethane (EDB)	50.000	49.169	1.7	100	0.00
48	TMP	Chlorobenzene	50.000	44.465	11.1	98	0.00
49	TMP	Ethylbenzene	50.000	50.138	-0.3	99	0.00
50	TMP	1,1,1,2-Tetrachloroethane	50.000	51.019	-2.0	104	0.00
51	TMP	m,p-Xylene	100.000	105.719	-5.7	100	0.00
52	TMP	o-Xylene	50.000	55.105	-10.2	100	0.00
53	TMP	Styrene	50.000	56.861	-13.7	100	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : K:\06-10-15\061003.D Vial: 3
Acq On : 10 Jun 2015 8:11 am Operator: VM
Sample : 8260 50 ppb CCV 45-145 J Inst : GCMS7
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : D:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	50.000	56.628	-13.3	101	0.00
55	TMP	Bromoform	50.000	51.718	-3.4	107	0.00
56	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
57	S	4-Bromofluorobenzene	50.000	49.883	0.2	100	0.00
58	TMP	n-Propylbenzene	50.000	49.802	0.4	100	0.00
59	TMP	Bromobenzene	50.000	45.520	9.0	99	0.00
60	TMP	1,3,5-Trimethylbenzene	50.000	52.323	-4.6	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	50.000	45.120	9.8	101	0.00
62	TMP	1,2,3-Trichloropropane	50.000	45.252	9.5	101	0.00
63	TMP	2-Chlorotoluene	50.000	47.966	4.1	100	0.00
64	TMP	4-Chlorotoluene	50.000	49.050	1.9	100	0.00
65	TMP	tert-Butylbenzene	50.000	54.384	-8.8	101	0.00
66	TMP	1,2,4-Trimethylbenzene	50.000	54.171	-8.3	100	0.00
67	TMP	sec-Butylbenzene	50.000	54.484	-9.0	101	0.00
68	TMP	p-Isopropyltoluene	50.000	53.246	-6.5	101	0.00
69	TMP	1,3-Dichlorobenzene	50.000	45.493	9.0	100	0.00
70	TMP	1,4-Dichlorobenzene	50.000	44.340	11.3	99	0.00
71	TMP	1,2-Dichlorobenzene	50.000	44.749	10.5	99	0.00
72	TMP	1,2-Dibromo-3-chloropropane	50.000	53.332	-6.7	105	0.00
73	TMP	1,2,4-Trichlorobenzene	50.000	47.204	5.6	96	0.00
74	TMP	Hexachlorobutadiene	50.000	44.156	11.7	98	0.00
75	TMP	Naphthalene	50.000	51.511	-3.0	99	0.00
76	TMP	1,2,3-Trichlorobenzene	50.000	47.223	5.6	97	0.00

Evaluate Continuing Calibration Report

Data File : K:\06-10-15\061003.D
Acq On : 10 Jun 2015 8:11 am
Sample : 8260 50 ppb CCV 45-145 J
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: VM
Inst : GCMS7
Multiplr: 1.00

Method : D:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	98	0.00
2	TMP	Ethanol	0.006	0.005	16.7	92	0.00
3	S	Dibromofluoromethane	0.288	0.288	0.0	99	0.00
4	TMP	Dichlorodifluoromethane	0.307	0.351	-14.3	119	0.00
5	TMP	Chloromethane	0.346	0.372	-7.5	120	0.00
6	TMP	Vinyl chloride	0.391	0.424	-8.4	122	0.00
7	TMP	Bromomethane	0.093	0.125	-34.4#	153	0.00
8	TMP	Chloroethane	0.138	0.172	-24.6#	137	0.00
9	TMP	Trichlorofluoromethane	0.452	0.513	-13.5	125	0.00
10	TMP	2-Propanol	0.028	0.025	10.7	89	-0.01
11	TMP	Acetone	0.040	0.041	-2.5	107	0.00
12	TMP	1,1-Dichloroethene	0.342	0.337	1.5	109	0.00
13	TMP	Hexane	0.450	0.471	-4.7	108	0.00
14	TMP	Methylene chloride	0.500	0.370	26.0#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.049	0.052	-6.1	99	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.897	0.938	-4.6	102	0.00
17	TMP	trans-1,2-Dichloroethene	0.373	0.362	2.9	104	0.00
18	TMP	Diisopropyl ether (DIPE)	0.900	0.899	0.1	98	0.00
19	TMP	1,1-Dichloroethane	0.646	0.596	7.7	101	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.360	-9.1	105	0.00
21	TMP	2,2-Dichloropropane	0.270	0.284	-5.2	118	0.00
22	TMP	cis-1,2-Dichloroethene	0.402	0.388	3.5	101	0.00
23	TMP	Chloroform	0.694	0.639	7.9	100	0.00
24	TMP	2-Butanone (MEK)	0.052	0.057	-9.6	102	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.707	0.798	-12.9	103	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.575	0.504	12.3	98	0.00
27	TMP	1,1,1-Trichloroethane	0.514	0.508	1.2	107	0.00
28	TMP	1,1-Dichloropropene	0.496	0.492	0.8	101	0.00
29	TMP	Carbon tetrachloride	0.464	0.469	-1.1	110	0.00
30	S	1,2-Dichloroethane-d4	0.068	0.068	0.0	100	0.00
31	TMP	Benzene	1.454	1.341	7.8	100	0.00
32	TMP	Trichloroethene	0.403	0.370	8.2	100	0.00
33	TMP	1,2-Dichloropropane	0.337	0.315	6.5	97	0.00
34	TMP	Bromodichloromethane	0.480	0.465	3.1	101	0.00
35	S	Toluene-d8	0.931	0.945	-1.5	99	0.00
36	TMP	Dibromomethane	0.267	0.245	8.2	98	0.00
37	TMP	4-Methyl-2-pentanone	0.059	0.068	-15.3	101	0.00
38	TMP	cis-1,3-Dichloropropene	0.459	0.492	-7.2	101	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
40	TMP	Toluene	1.226	1.135	7.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.530	0.589	-11.1	103	0.00
42	TMP	1,1,2-Trichloroethane	0.400	0.377	5.8	99	0.00
43	TMP	2-Hexanone	0.356	0.410	-15.2	99	0.00
44	TMP	1,3-Dichloropropane	0.773	0.719	7.0	97	0.00
45	TMP	Tetrachloroethene	0.470	0.439	6.6	101	0.00
46	TMP	Dibromochloromethane	0.520	0.535	-2.9	103	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.490	0.482	1.6	100	0.00
48	TMP	Chlorobenzene	1.469	1.307	11.0	98	0.00
49	TMP	Ethylbenzene	2.129	2.134	-0.2	99	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.442	0.451	-2.0	104	0.00
51	TMP	m,p-Xylene	0.789	0.834	-5.7	100	0.00
52	TMP	o-Xylene	0.740	0.816	-10.3	100	0.00
53	TMP	Styrene	1.200	1.365	-13.8	100	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : K:\06-10-15\061003.D
Acq On : 10 Jun 2015 8:11 am
Sample : 8260 50 ppb CCV 45-145 J
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: VM
Inst : GCMS7
Multiplr: 1.00

Method : D:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	TMP	Isopropylbenzene	1.857	2.103	-13.2	101	0.00
55	TMP	Bromoform	0.371	0.383	-3.2	107	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
57	S	4-Bromofluorobenzene	0.887	0.885	0.2	100	0.00
58	TMP	n-Propylbenzene	4.426	4.408	0.4	100	0.00
59	TMP	Bromobenzene	1.132	1.030	9.0	99	0.00
60	TMP	1,3,5-Trimethylbenzene	2.931	3.067	-4.6	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	1.359	1.227	9.7	101	0.00
62	TMP	1,2,3-Trichloropropane	1.025	0.927	9.6	101	0.00
63	TMP	2-Chlorotoluene	2.774	2.661	4.1	100	0.00
64	TMP	4-Chlorotoluene	3.190	3.129	1.9	100	0.00
65	TMP	tert-Butylbenzene	2.437	2.651	-8.8	101	0.00
66	TMP	1,2,4-Trimethylbenzene	2.898	3.139	-8.3	100	0.00
67	TMP	sec-Butylbenzene	3.710	4.042	-8.9	101	0.00
68	TMP	p-Isopropyltoluene	3.205	3.413	-6.5	101	0.00
69	TMP	1,3-Dichlorobenzene	2.089	1.900	9.0	100	0.00
70	TMP	1,4-Dichlorobenzene	2.200	1.951	11.3	99	0.00
71	TMP	1,2-Dichlorobenzene	2.071	1.854	10.5	99	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.214	0.229	-7.0	105	0.00
73	TMP	1,2,4-Trichlorobenzene	1.371	1.294	5.6	96	0.00
74	TMP	Hexachlorobutadiene	0.779	0.688	11.7	98	0.00
75	TMP	Naphthalene	2.779	3.379	-21.6#	99	0.00
76	TMP	1,2,3-Trichlorobenzene	1.337	1.263	5.5	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

EPA 8260C
Quality Assurance Data

F&B Project 506112

Spike Recovery and RPD Summary Report - WATER

Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration

Non-Spiked Sample: 060921.D

	Spike Sample	Spike Duplicate Sample
File ID :	060917.D	060918.D
Sample :	05-1257 lcs	05-1257 lcsd
Acq Time:	9 Jun 2015 4:06 pm	9 Jun 2015 4:28 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Ethanol	0.0	2500	2602	2421	104	97	7	20	44-171
Dichlorodifluorometh	0.0	50	56	55	113	110	2	20	67-141
Chloromethane	0.0	50	49	49	99	97	2	20	68-126
Vinyl chloride	0.0	50	49	48	98	97	1	20	69-127
Bromomethane	0.0	50	142	140	283#	281#	1	20	48-175
Chloroethane	0.0	50	75	75	150#	150#	0	20	69-133
Trichlorofluorometha	0.0	50	55	54	110	109	2	20	37-133
2-Propanol	0.0	250	250	240	100	96	4	20	70-130
Acetone	0.0	250	243	236	97	94	3	20	52-138
1,1-Dichloroethene	0.0	50	48	48	95	95	0	20	74-119
Hexane	0.0	50	52	52	104	103	1	20	69-127
Methylene chloride	0.0	50	52	51	104	102	1	20	71-119
t-Butyl alcohol (TBA	0.0	2500	2801	2666	112	107	5	20	82-126
Methyl t-butyl ether	0.0	50	53	53	106	106	0	20	81-118
trans-1,2-Dichloroet	0.0	50	49	49	97	97	0	20	81-120
Diisopropyl ether (D	0.0	50	51	51	102	102	0	20	81-124
1,1-Dichloroethane	0.0	50	47	47	93	94	0	20	79-122
Ethyl t-butyl ether	0.0	50	56	56	113	112	0	20	81-122
2,2-Dichloropropane	0.0	50	51	52	103	104	1	20	65-154
cis-1,2-Dichloroethe	0.0	50	49	48	97	97	1	20	81-125
Chloroform	0.0	50	47	47	94	93	1	20	75-121
2-Butanone (MEK)	0.0	250	279	273	112	109	2	20	64-136
t-Amyl methyl ether	0.0	50	58	58	116	117	1	20	81-122
1,2-Dichloroethane (	0.1	50	45	44	90	88	2	20	78-117
1,1,1-Trichloroethan	0.0	50	49	49	98	99	0	20	77-123
1,1-Dichloropropene	0.0	50	51	51	102	103	0	20	82-117
Carbon tetrachloride	0.0	50	50	50	101	101	0	20	77-126
Benzene	0.0	50	47	47	94	93	0	20	79-119
Trichloroethene	0.0	50	47	47	95	95	0	20	72-120
1,2-Dichloropropane	0.0	50	49	48	97	97	1	20	84-121
Bromodichloromethane	0.0	50	49	49	99	98	1	20	80-119
Dibromomethane	0.0	50	47	47	94	94	0	20	82-115
4-Methyl-2-pentanone	0.0	250	294	292	117	117	0	20	39-185
cis-1,3-Dichloroprop	0.0	50	55	55	110	111	1	20	85-127
Toluene	0.0	50	47	46	94	92	1	20	81-121
trans-1,3-Dichloropr	0.0	50	55	55	110	109	0	20	85-124
1,1,2-Trichloroethan	0.0	50	48	47	95	94	1	20	83-115
2-Hexanone	0.0	250	287	284	115	114	1	20	77-127
1,3-Dichloropropane	0.0	50	48	47	96	94	1	20	84-117
Tetrachloroethene	0.0	50	48	48	96	95	1	20	78-117
Dibromochloromethane	0.0	50	51	51	101	101	0	20	84-122
1,2-Dibromoethane (E	0.0	50	50	49	100	99	1	20	84-118
Chlorobenzene	0.0	50	45	45	91	90	0	20	80-115
Ethylbenzene	0.0	50	51	51	102	101	1	20	84-120
1,1,1,2-Tetrachloroe	0.0	50	50	50	100	100	0	20	81-123
m,p-Xylene	0.0	100	107	106	107	106	1	20	84-119
o-Xylene	0.0	50	56	56	112	112	1	20	85-118
Styrene	0.0	50	57	57	115	114	0	20	85-120
Isopropylbenzene	0.0	50	57	57	115	115	0	20	86-120
Bromoform	0.1	50	50	50	101	101	0	20	76-128
n-Propylbenzene	0.0	50	51	52	102	104	2	20	82-120
Bromobenzene	0.0	50	47	47	93	95	1	20	77-121
1,3,5-Trimethylbenze	0.0	50	54	55	108	109	1	20	83-122
1,1,2,2-Tetrachloroe	0.0	50	46	46	92	93	1	20	79-120
1,2,3-Trichloropropa	0.0	50	46	47	91	94	3	20	69-124
2-Chlorotoluene	0.0	50	49	49	99	97	1	20	82-115
4-Chlorotoluene	0.0	50	50	51	100	101	1	20	83-117

tert-Butylbenzene	0.0	50	56	57	112	113	2	20	82-123
1,2,4-Trimethylbenze	0.0	50	56	56	111	112	1	20	82-122
sec-Butylbenzene	0.0	50	56	57	112	114	2	20	81-122
p-Isopropyltoluene	0.0	50	55	56	110	111	2	20	81-123
1,3-Dichlorobenzene	0.0	50	47	48	94	95	1	20	82-114
1,4-Dichlorobenzene	0.0	50	46	46	91	92	1	20	76-111
1,2-Dichlorobenzene	0.0	50	46	47	93	93	1	20	79-116
1,2-Dibromo-3-chloro	0.0	50	54	55	108	110	1	20	73-121
1,2,4-Trichlorobenze	0.1	50	51	52	102	103	1	20	74-120
Hexachlorobutadiene	0.1	50	47	48	93	96	3	20	71-118
Naphthalene	0.1	50	54	55	108	110	1	20	74-132
1,2,3-Trichlorobenze	0.2	50	50	51	100	103	3	20	70-124

- Fails Limit Check

VB060315.M Wed Jun 10 09:37:17 2015

Quantitation Report (QT Reviewed)

Data File : P:\06-09-15\060917.D
Acq On : 9 Jun 2015 4:06 pm
Sample : 05-1257 lcs
Misc : water 50 ug/L 45-145 A
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:23 2015

Vial: 17
Operator: JS
Inst : GCMS7
Multiplr: 1.00
Quant Results File: VB060315.RES

Quant Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.74	96	1104290	50.00	ppb	0.00
39) Chlorobenzene-d5	7.40	117	808838	50.00	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.61	152	449536	50.00	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	318296	50.05	ppb	0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 100.10%			
30) 1,2-Dichloroethane-d4	4.46	102	73921	49.19	ppb	0.00
Spiked Amount 50.000	Range 94 - 108		Recovery = 98.38%			
35) Toluene-d8	6.11	98	1048777	51.03	ppb	0.00
Spiked Amount 50.000	Range 91 - 107		Recovery = 102.06%			
57) 4-Bromofluorobenzene	8.50	95	401432	50.35	ppb	0.00
Spiked Amount 50.000	Range 91 - 110		Recovery = 100.70%			
Target Compounds						Qvalue
2) Ethanol	2.02	45	328259	2602.24	ppb	98
4) Dichlorodifluoromethane	1.13	85	382024	56.35	ppb	99
5) Chloromethane	1.25	50	378686	49.49	ppb	100
6) Vinyl chloride	1.34	62	422934	48.94	ppb	99
7) Bromomethane	1.58	94	240747	141.52	ppb	100
8) Chloroethane	1.66	64	229220	75.10	ppb	98
9) Trichlorofluoromethane	1.87	101	551213	55.23	ppb	100
10) 2-Propanol	2.47	45	152170	250.08	ppb	100
11) Acetone	2.34	58	216900	242.91	ppb	98
12) 1,1-Dichloroethene	2.29	96	360171	47.62	ppb	99
13) Hexane	3.18	57	518241	52.18	ppb	99
14) Methylene chloride	2.69	84	412335	51.87	ppb	99
15) t-Butyl alcohol (TBA)	2.82	59	3023637	2800.93	ppb	95
16) Methyl t-butyl ether (MTBE	2.95	73	1051095	53.04	ppb	99
17) trans-1,2-Dichloroethene	2.94	96	400062	48.60	ppb	99
18) Diisopropyl ether (DIPE)	3.37	45	1017099	51.16	ppb	100
19) 1,1-Dichloroethane	3.29	63	665353	46.63	ppb	99
20) Ethyl t-butyl ether (ETBE)	3.67	87	409846	56.31	ppb	97
21) 2,2-Dichloropropane	3.77	77	305429	51.30	ppb	99
22) cis-1,2-Dichloroethene	3.77	96	433176	48.75	ppb	99
23) Chloroform	4.04	83	721881	47.11	ppb	100
24) 2-Butanone (MEK)	3.79	72	319744	279.28	ppb	98
25) t-Amyl methyl ether (TAME)	4.61	73	902692	57.85	ppb	99
26) 1,2-Dichloroethane (EDC)	4.52	62	568944	44.82	ppb	100
27) 1,1,1-Trichloroethane	4.20	97	558768	49.22	ppb	100
28) 1,1-Dichloropropene	4.34	75	560675	51.21	ppb	99
29) Carbon tetrachloride	4.34	117	516656	50.42	ppb	100
31) Benzene	4.51	78	1506471	46.93	ppb	100
32) Trichloroethene	5.05	95	420863	47.27	ppb	99
33) 1,2-Dichloropropane	5.24	63	362594	48.71	ppb	100
34) Bromodichloromethane	5.48	83	523366	49.36	ppb	99
36) Dibromomethane	5.34	93	278801	47.20	ppb	99
37) 4-Methyl-2-pentanone	6.01	100	379714	293.53	ppb	97
38) cis-1,3-Dichloropropene	5.87	75	556830	54.96	ppb	99
40) Toluene	6.17	92	928328	46.82	ppb	100
41) trans-1,3-Dichloropropene	6.35	75	470688	54.94	ppb	99
42) 1,1,2-Trichloroethane	6.52	83	308703	47.67	ppb	100
43) 2-Hexanone	6.75	43	1650811	286.62	ppb	99
44) 1,3-Dichloropropane	6.66	76	596875	47.76	ppb	99
45) Tetrachloroethene	6.65	164	364322	47.91	ppb	98
46) Dibromochloromethane	6.87	129	426411	50.73	ppb	99

(#) = qualifier out of range (m) = manual integration

Data File : P:\06-09-15\060917.D
Acq On : 9 Jun 2015 4:06 pm
Sample : 05-1257 lcs
Misc : water 50 ug/L 45-145 A
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:23 2015

Vial: 17
Operator: JS
Inst : GCMS7
Multiplr: 1.00
Quant Results File: VB060315.RES

Quant Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47)	1,2-Dibromoethane (EDB)	6.97	107	395297	49.90	ppb	99
48)	Chlorobenzene	7.42	112	1077905	45.35	ppb	100
49)	Ethylbenzene	7.53	91	1760919	51.14	ppb	100
50)	1,1,1,2-Tetrachloroethane	7.50	131	358325	50.07	ppb	99
51)	m,p-Xylene	7.64	106	1369755	107.31	ppb	98
52)	o-Xylene	8.01	106	673207	56.23	ppb	99
53)	Styrene	8.02	104	1113343	57.35	ppb	99
54)	Isopropylbenzene	8.36	105	1723215	57.37	ppb	100
55)	Bromoform	8.18	173	301778	50.34	ppb	99
58)	n-Propylbenzene	8.76	91	2032785	51.08	ppb	100
59)	Bromobenzene	8.64	156	475009	46.69	ppb	99
60)	1,3,5-Trimethylbenzene	8.93	105	1423312	54.02	ppb	100
61)	1,1,2,2-Tetrachloroethane	8.64	83	560896	45.89	ppb	99
62)	1,2,3-Trichloropropane	8.68	75	419435	45.53	ppb	99
63)	2-Chlorotoluene	8.83	91	1230478	49.33	ppb	100
64)	4-Chlorotoluene	8.93	91	1435030	50.04	ppb	100
65)	tert-Butylbenzene	9.24	119	1228378	56.06	ppb	100
66)	1,2,4-Trimethylbenzene	9.29	105	1450537	55.68	ppb	100
67)	sec-Butylbenzene	9.45	105	1869893	56.07	ppb	100
68)	p-Isopropyltoluene	9.60	119	1580785	54.86	ppb	100
69)	1,3-Dichlorobenzene	9.55	146	883186	47.03	ppb	100
70)	1,4-Dichlorobenzene	9.64	146	901925	45.59	ppb	100
71)	1,2-Dichlorobenzene	9.99	146	861962	46.29	ppb	99
72)	1,2-Dibromo-3-chloropropan	10.75	75	103967	53.97	ppb	100
73)	1,2,4-Trichlorobenzene	11.58	180	626747	50.86	ppb	100
74)	Hexachlorobutadiene	11.76	225	327190	46.72	ppb	99
75)	Naphthalene	11.81	128	1609900	54.25	ppb	100
76)	1,2,3-Trichlorobenzene	12.05	180	602192	50.08	ppb	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

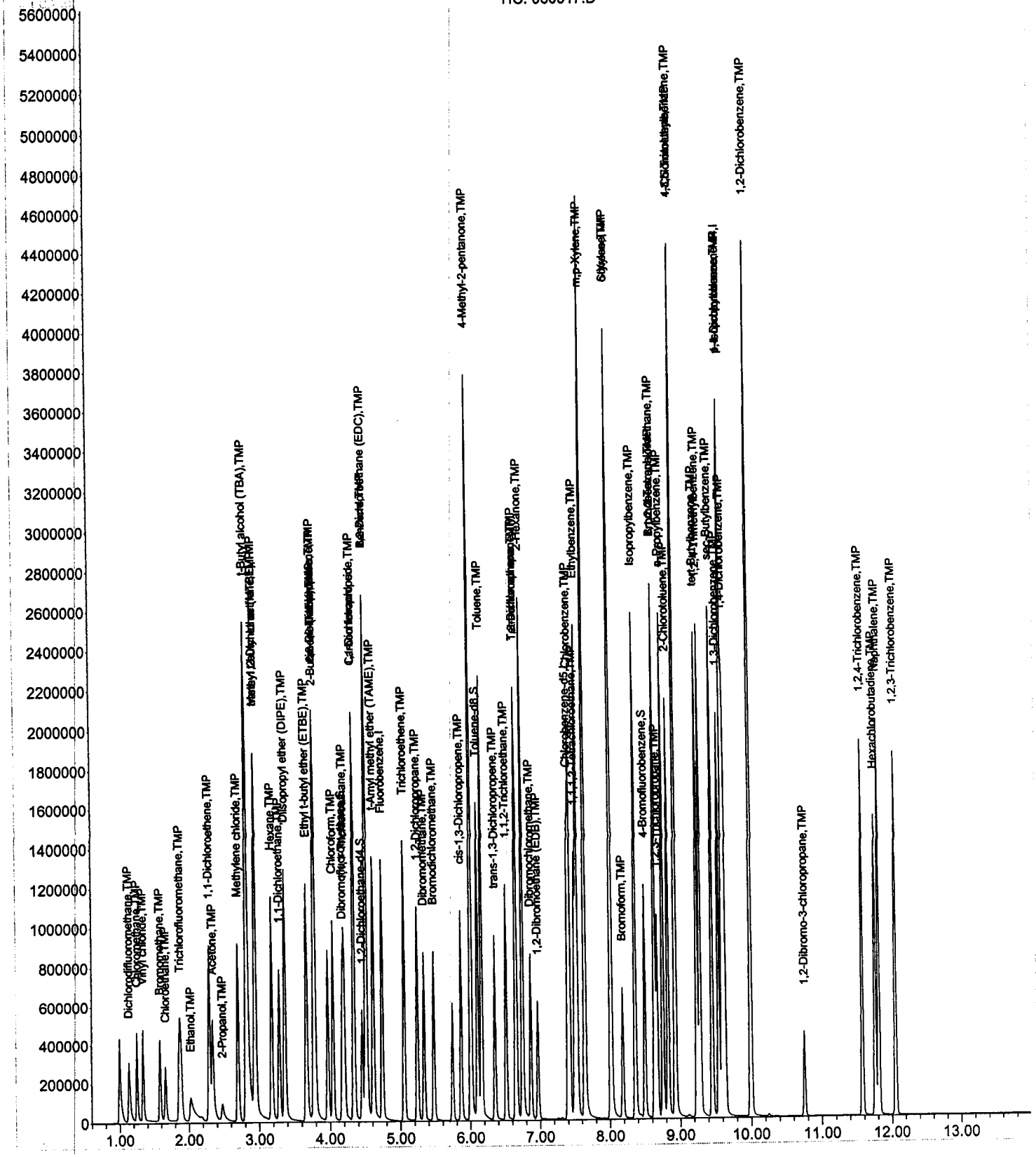
Data File : P:\06-09-15\060917.D
Acq On : 9 Jun 2015 4:06 pm
Sample : 05-1257 lcs
Misc : water 50 ug/L 45-145 A
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:23 2015

Vial: 17
Operator: JS
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration

TIC: 060917.D



Quantitation Report (QT Reviewed)

Data File : P:\06-09-15\060918.D
Acq On : 9 Jun 2015 4:28 pm
Sample : 05-1257 lcsd
Misc : water 50 ug/L 45-145 A
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:23 2015

Vial: 18
Operator: JS
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.74	96	1133666	50.00	ppb	0.00
39) Chlorobenzene-d5	7.40	117	833280	50.00	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.61	152	457001	50.00	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	327619	50.18	ppb	0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 100.36%			
30) 1,2-Dichloroethane-d4	4.46	102	75573	48.98	ppb	0.00
Spiked Amount 50.000	Range 94 - 108		Recovery = 97.96%			
35) Toluene-d8	6.11	98	1076284	51.01	ppb	0.00
Spiked Amount 50.000	Range 91 - 107		Recovery = 102.02%			
57) 4-Bromofluorobenzene	8.50	95	413864	51.06	ppb	0.00
Spiked Amount 50.000	Range 91 - 110		Recovery = 102.12%			
Target Compounds						Qvalue
2) Ethanol	2.02	45	313519	2420.99	ppb	99
4) Dichlorodifluoromethane	1.13	85	382826	55.00	ppb	99
5) Chloromethane	1.25	50	381878	48.61	ppb	100
6) Vinyl chloride	1.34	62	428785	48.33	ppb	99
7) Bromomethane	1.58	94	245264	140.36	ppb	100
8) Chloroethane	1.66	64	234962	74.99	ppb	99
9) Trichlorofluoromethane	1.87	101	556816	54.35	ppb	100
10) 2-Propanol	2.47	45	149620	239.52	ppb	100
11) Acetone	2.34	58	215896	235.52	ppb	98
12) 1,1-Dichloroethene	2.29	96	369672	47.61	ppb	100
13) Hexane	3.18	57	527264	51.71	ppb	99
14) Methylene chloride	2.69	84	418201	51.23	ppb	98
15) t-Butyl alcohol (TBA)	2.82	59	2954089	2665.59	ppb	95
16) Methyl t-butyl ether (MTBE	2.95	73	1082390	53.21	ppb	100
17) trans-1,2-Dichloroethene	2.94	96	410572	48.59	ppb	99
18) Diisopropyl ether (DIPE)	3.37	45	1044506	51.17	ppb	99
19) 1,1-Dichloroethane	3.29	63	685722	46.81	ppb	100
20) Ethyl t-butyl ether (ETBE)	3.67	87	419169	56.10	ppb	96
21) 2,2-Dichloropropane	3.77	77	317804	52.00	ppb	100
22) cis-1,2-Dichloroethene	3.77	96	442362	48.49	ppb	99
23) Chloroform	4.04	83	734423	46.69	ppb	100
24) 2-Butanone (MEK)	3.79	72	320984	273.10	ppb	99
25) t-Amyl methyl ether (TAME)	4.61	73	935242	58.38	ppb	99
26) 1,2-Dichloroethane (EDC)	4.52	62	575032	44.12	ppb	100
27) 1,1,1-Trichloroethane	4.20	97	574115	49.26	ppb	99
28) 1,1-Dichloropropene	4.34	75	576592	51.30	ppb	100
29) Carbon tetrachloride	4.34	117	528957	50.28	ppb	99
31) Benzene	4.51	78	1540826	46.75	ppb	100
32) Trichloroethene	5.05	95	432101	47.27	ppb	99
33) 1,2-Dichloropropane	5.24	63	369297	48.32	ppb	100
34) Bromodichloromethane	5.48	83	534020	49.06	ppb	100
36) Dibromomethane	5.34	93	285426	47.07	ppb	100
37) 4-Methyl-2-pentanone	6.01	100	387961	292.14	ppb	96
38) cis-1,3-Dichloropropene	5.87	75	575050	55.28	ppb	99
40) Toluene	6.17	92	942916	46.17	ppb	100
41) trans-1,3-Dichloropropene	6.35	75	483225	54.75	ppb	98
42) 1,1,2-Trichloroethane	6.52	83	313728	47.02	ppb	99
43) 2-Hexanone	6.75	43	1686479	284.22	ppb	99
44) 1,3-Dichloropropane	6.66	76	607060	47.15	ppb	99
45) Tetrachloroethene	6.65	164	372755	47.58	ppb	99
46) Dibromochloromethane	6.87	129	437490	50.52	ppb	99

(#) = qualifier out of range (m) = manual integration
060918.D VB060315.M Wed Jun 10 09:31:01 2015

Data File : P:\06-09-15\060918.D
Acq On : 9 Jun 2015 4:28 pm
Sample : 05-1257 lcsd
Misc : water 50 ug/L 45-145 A
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:23 2015

Vial: 18
Operator: JS
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47)	1,2-Dibromoethane (EDB)	6.97	107	402972	49.38	ppb	100
48)	Chlorobenzene	7.42	112	1105962	45.16	ppb	99
49)	Ethylbenzene	7.53	91	1799388	50.72	ppb	100
50)	1,1,1,2-Tetrachloroethane	7.50	131	369009	50.05	ppb	100
51)	m,p-Xylene	7.64	106	1392138	105.87	ppb	100
52)	o-Xylene	8.01	106	687746	55.76	ppb	100
53)	Styrene	8.02	104	1144410	57.23	ppb	98
54)	Isopropylbenzene	8.36	105	1774878	57.36	ppb	100
55)	Bromoform	8.18	173	311275	50.40	ppb	100
58)	n-Propylbenzene	8.76	91	2101056	51.94	ppb	100
59)	Bromobenzene	8.64	156	489303	47.31	ppb	99
60)	1,3,5-Trimethylbenzene	8.93	105	1463495	54.64	ppb	98
61)	1,1,2,2-Tetrachloroethane	8.64	83	574799	46.26	ppb	100
62)	1,2,3-Trichloropropane	8.68	75	437984	46.77	ppb	100
63)	2-Chlorotoluene	8.83	91	1233655	48.65	ppb	99
64)	4-Chlorotoluene	8.93	91	1475634	50.62	ppb	99
65)	tert-Butylbenzene	9.24	119	1276895	57.33	ppb	99
66)	1,2,4-Trimethylbenzene	9.29	105	1490026	56.26	ppb	99
67)	sec-Butylbenzene	9.45	105	1931101	56.96	ppb	100
68)	p-Isopropyltoluene	9.60	119	1631792	55.71	ppb	100
69)	1,3-Dichlorobenzene	9.55	146	907900	47.56	ppb	99
70)	1,4-Dichlorobenzene	9.64	146	929066	46.20	ppb	100
71)	1,2-Dichlorobenzene	9.99	146	883831	46.69	ppb	100
72)	1,2-Dibromo-3-chloropropan	10.75	75	107272	54.78	ppb	97
73)	1,2,4-Trichlorobenzene	11.58	180	645588	51.53	ppb	100
74)	Hexachlorobutadiene	11.76	225	342678	48.14	ppb	99
75)	Naphthalene	11.81	128	1663334	55.03	ppb	100
76)	1,2,3-Trichlorobenzene	12.05	180	628629	51.43	ppb	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

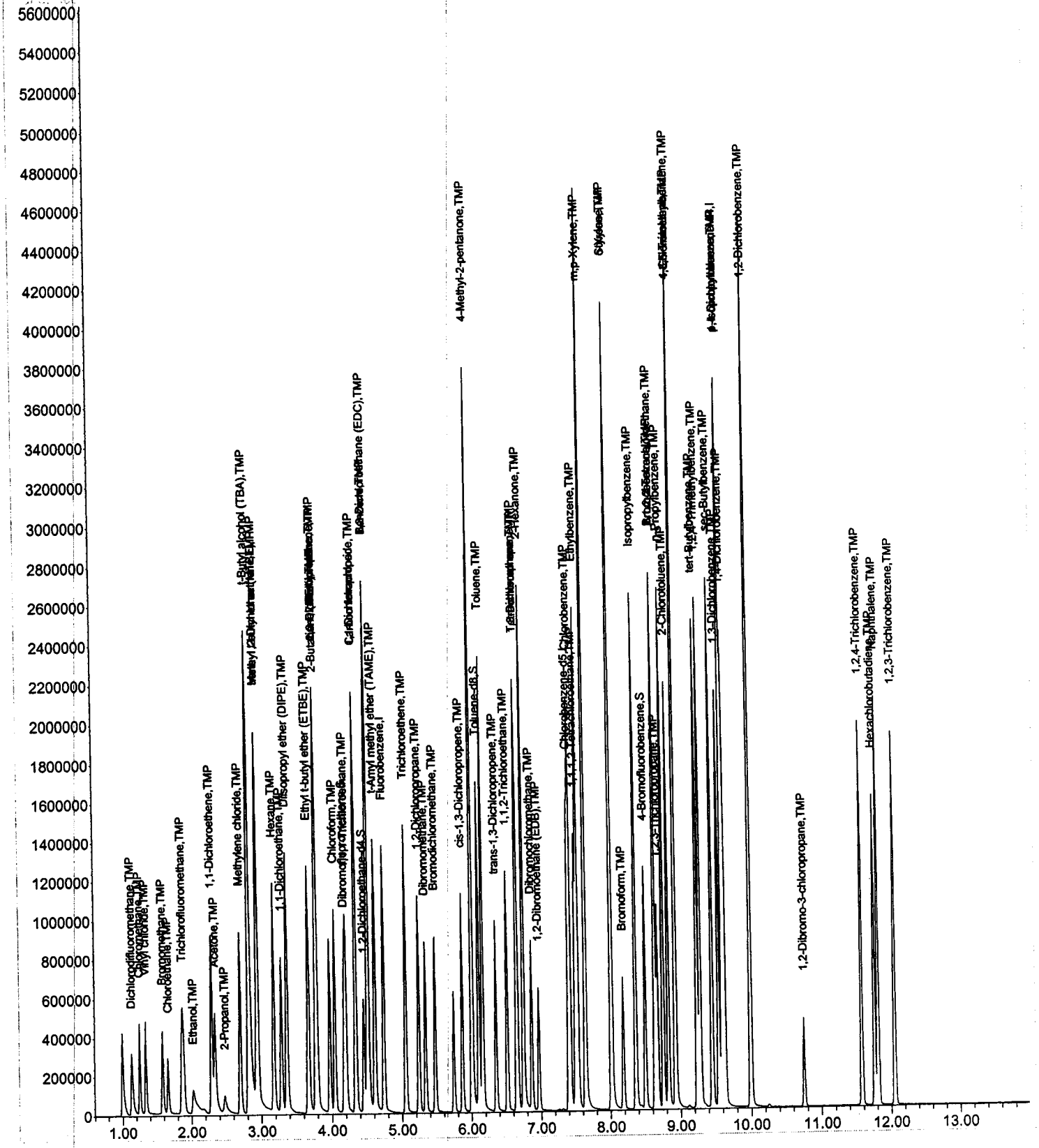
Data File : P:\06-09-15\060918.D
Acq On : 9 Jun 2015 4:28 pm
Sample : 05-1257 lcsd
Misc : water 50 ug/L 45-145 A
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:23 2015

Vial: 18
Operator: JS
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration

TIC: 060918.D



Quantitation Report (QT Reviewed)

Data File : P:\06-09-15\060921.D
Acq On : 9 Jun 2015 6:10 pm
Sample : 05-1257 mb
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:32 2015

Vial: 21
Operator: JS
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.74	96	1039342	50.00 ppb	0.00
39) Chlorobenzene-d5	7.40	117	763156	50.00 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.61	152	401206	50.00 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.18	113	307231	51.33 ppb	0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 102.66%		
30) 1,2-Dichloroethane-d4	4.46	102	72288	51.11 ppb	0.00
Spiked Amount 50.000	Range 94 - 108		Recovery = 102.22%		
35) Toluene-d8	6.11	98	947439	48.98 ppb	0.00
Spiked Amount 50.000	Range 91 - 107		Recovery = 97.96%		
57) 4-Bromofluorobenzene	8.50	95	353055	49.62 ppb	0.00
Spiked Amount 50.000	Range 91 - 110		Recovery = 99.24%		
Target Compounds					Qvalue
2) Ethanol	0.00	45	0	N.D. d	
4) Dichlorodifluoromethane	1.13	85	70	N.D.	
5) Chloromethane	0.00	50	0	N.D. d	
6) Vinyl chloride	0.00	62	0	N.D.	
7) Bromomethane	1.58	94	258	Below Cal #	3
8) Chloroethane	0.00	64	0	N.D.	
9) Trichlorofluoromethane	0.00	101	0	N.D.	
10) 2-Propanol	0.00	45	0	N.D.	
11) Acetone	0.00	58	0	N.D. d	
12) 1,1-Dichloroethene	0.00	96	0	N.D.	
13) Hexane	3.18	57	451	0.05 ppb	81
14) Methylene chloride	2.70	84	6426	Below Cal	97
15) t-Butyl alcohol (TBA)	0.00	59	0	N.D.	
16) Methyl t-butyl ether (MTBE	0.00	73	0	N.D.	
17) trans-1,2-Dichloroethene	0.00	96	0	N.D.	
18) Diisopropyl ether (DIPE)	0.00	45	0	N.D.	
19) 1,1-Dichloroethane	0.00	63	0	N.D.	
20) Ethyl t-butyl ether (ETBE)	0.00	87	0	N.D.	
21) 2,2-Dichloropropane	0.00	77	0	N.D.	
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.	
23) Chloroform	0.00	83	0	N.D.	
24) 2-Butanone (MEK)	0.00	72	0	N.D.	
25) t-Amyl methyl ether (TAME)	0.00	73	0	N.D.	
26) 1,2-Dichloroethane (EDC)	4.52	62	611	0.05 ppb	75
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.	
28) 1,1-Dichloropropene	0.00	75	0	N.D.	
29) Carbon tetrachloride	0.00	117	0	N.D.	
31) Benzene	4.51	78	267	N.D.	
32) Trichloroethene	0.00	95	0	N.D.	
33) 1,2-Dichloropropane	0.00	63	0	N.D.	
34) Bromodichloromethane	0.00	83	0	N.D.	
36) Dibromomethane	0.00	93	0	N.D.	
37) 4-Methyl-2-pentanone	0.00	100	0	N.D. d	
38) cis-1,3-Dichloropropene	0.00	75	0	N.D.	
40) Toluene	6.17	92	116	N.D.	
41) trans-1,3-Dichloropropene	0.00	75	0	N.D.	
42) 1,1,2-Trichloroethane	0.00	83	0	N.D.	
43) 2-Hexanone	0.00	43	0	N.D.	
44) 1,3-Dichloropropane	0.00	76	0	N.D.	
45) Tetrachloroethene	0.00	164	0	N.D.	
46) Dibromochloromethane	0.00	129	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Data File : P:\06-09-15\060921.D
Acq On : 9 Jun 2015 6:10 pm
Sample : 05-1257 mb
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:32 2015

Vial: 21
Operator: JS
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
47) 1,2-Dibromoethane (EDB)	0.00	107	0	N.D.	
48) Chlorobenzene	7.42	112	176	N.D.	
49) Ethylbenzene	7.64	91	660	0.02 ppb	84
50) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
51) m,p-Xylene	0.00	106	0	N.D. d	
52) o-Xylene	0.00	106	0	N.D.	
53) Styrene	8.02	104	123	N.D.	
54) Isopropylbenzene	8.36	105	316	N.D.	
55) Bromoform	8.18	173	287	0.05 ppb	94
58) n-Propylbenzene	8.76	91	752	0.02 ppb	52
59) Bromobenzene	0.00	156	0	N.D.	
60) 1,3,5-Trimethylbenzene	8.93	105	222	N.D.	
61) 1,1,2,2-Tetrachloroethane	8.50	83	109	N.D.	
62) 1,2,3-Trichloropropane	8.66	75	103	N.D.	
63) 2-Chlorotoluene	8.83	91	317	N.D.	
64) 4-Chlorotoluene	8.83	91	317	N.D.	
65) tert-Butylbenzene	0.00	119	0	N.D. d	
66) 1,2,4-Trimethylbenzene	9.28	105	395	N.D.	
67) sec-Butylbenzene	9.45	105	1050	0.04 ppb	78
68) p-Isopropyltoluene	9.56	119	158	N.D.	
69) 1,3-Dichlorobenzene	0.00	146	0	N.D. d	
70) 1,4-Dichlorobenzene	0.00	146	0	N.D. d	
71) 1,2-Dichlorobenzene	0.00	146	0	N.D. d	
72) 1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.	
73) 1,2,4-Trichlorobenzene	11.58	180	1110	0.10 ppb	91
74) Hexachlorobutadiene	11.76	225	714	0.11 ppb	87
75) Naphthalene	11.80	128	3259	0.14 ppb	69
76) 1,2,3-Trichlorobenzene	12.05	180	1769	0.16 ppb	91

(#) = qualifier out of range (m) = manual integration

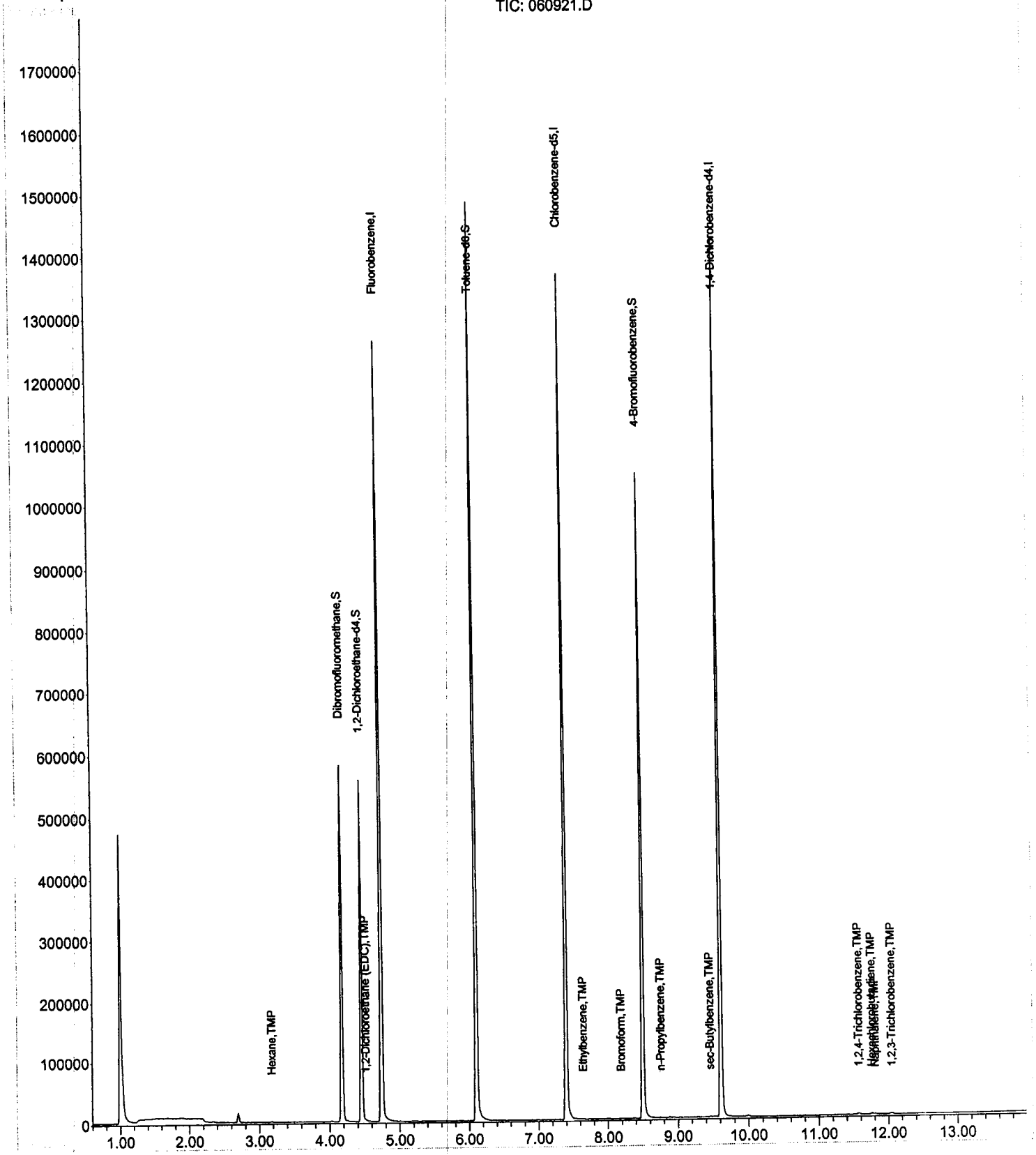
Data File : P:\06-09-15\060921.D
Acq On : 9 Jun 2015 6:10 pm
Sample : 05-1257 mb
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:32 2015

Vial: 21
Operator: JS
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration

TIC: 060921.D



Quantitation Report (QT Reviewed)

Data File : P:\06-09-15\060921.D
Acq On : 9 Jun 2015 6:10 pm
Sample : 05-1257 mb
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:32 2015

Vial: 21
Operator: JS
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.74	96	1039342	50.00 ppb	0.00
39) Chlorobenzene-d5	7.40	117	763156	50.00 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.61	152	401206	50.00 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.18	113	307231	51.33 ppb	0.00
Spiked Amount 50.000	Range 0 - 1000			Recovery = 102.66%	
30) 1,2-Dichloroethane-d4	4.46	102	72288	51.11 ppb	0.00
Spiked Amount 50.000	Range 94 - 108			Recovery = 102.22%	
35) Toluene-d8	6.11	98	947439	48.98 ppb	0.00
Spiked Amount 50.000	Range 91 - 107			Recovery = 97.96%	
57) 4-Bromofluorobenzene	8.50	95	353055	49.62 ppb	0.00
Spiked Amount 50.000	Range 91 - 110			Recovery = 99.24%	
Target Compounds					Qvalue
7) Bromomethane	1.58	94	258	Below Cal	# 3
13) Hexane	3.18	57	451	0.05 ppb	81
14) Methylene chloride	2.70	84	6426	Below Cal	97
26) 1,2-Dichloroethane (EDC)	4.52	62	611	0.05 ppb	75
49) Ethylbenzene	7.64	91	660	0.02 ppb	84
55) Bromoform	8.18	173	287	0.05 ppb	94
58) n-Propylbenzene	8.76	91	752	0.02 ppb	52
67) sec-Butylbenzene	9.45	105	1050	0.04 ppb	78
73) 1,2,4-Trichlorobenzene	11.58	180	1110	0.10 ppb	91
74) Hexachlorobutadiene	11.76	225	714	0.11 ppb	87
75) Naphthalene	11.80	128	3259	0.14 ppb	69
76) 1,2,3-Trichlorobenzene	12.05	180	1769	0.16 ppb	91

(#) = qualifier out of range (m) = manual integration

Quantitation Report

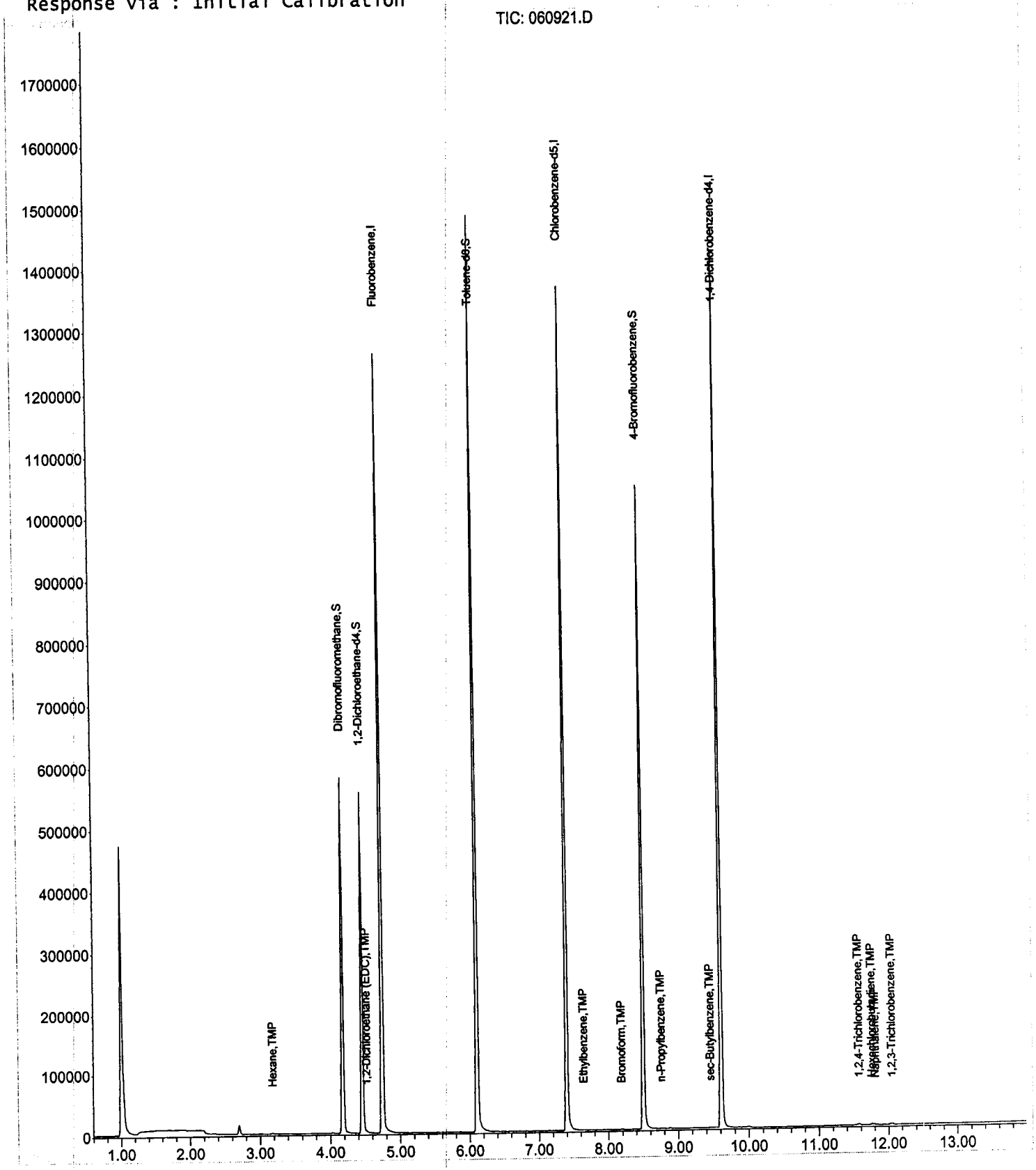
Data File : P:\06-09-15\060921.D
Acq On : 9 Jun 2015 6:10 pm
Sample : 05-1257 mb
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:32 2015

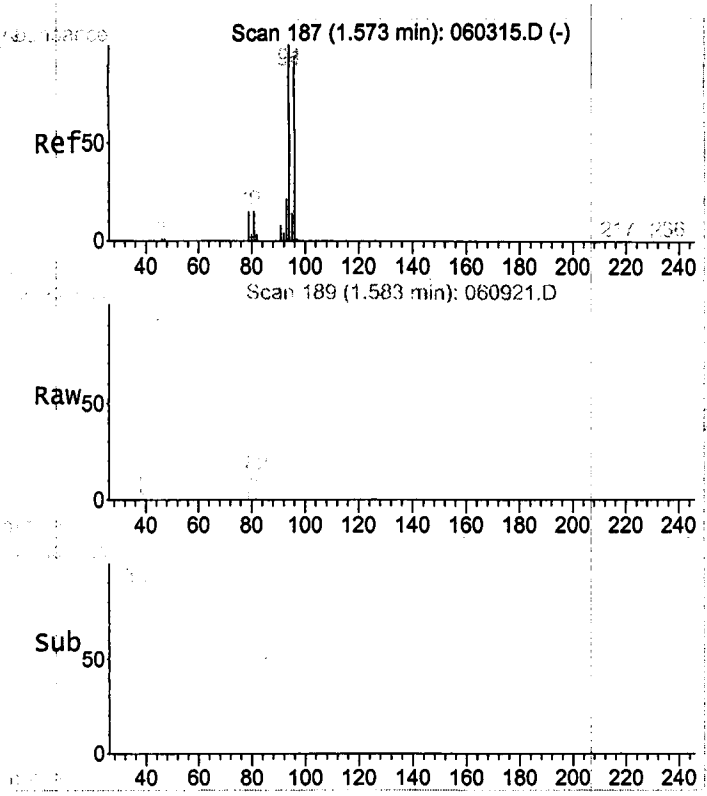
Vial: 21
Operator: JS
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration

TIC: 060921.D

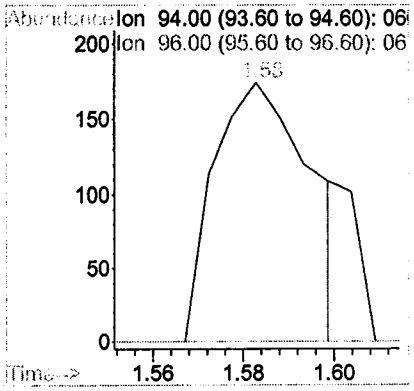


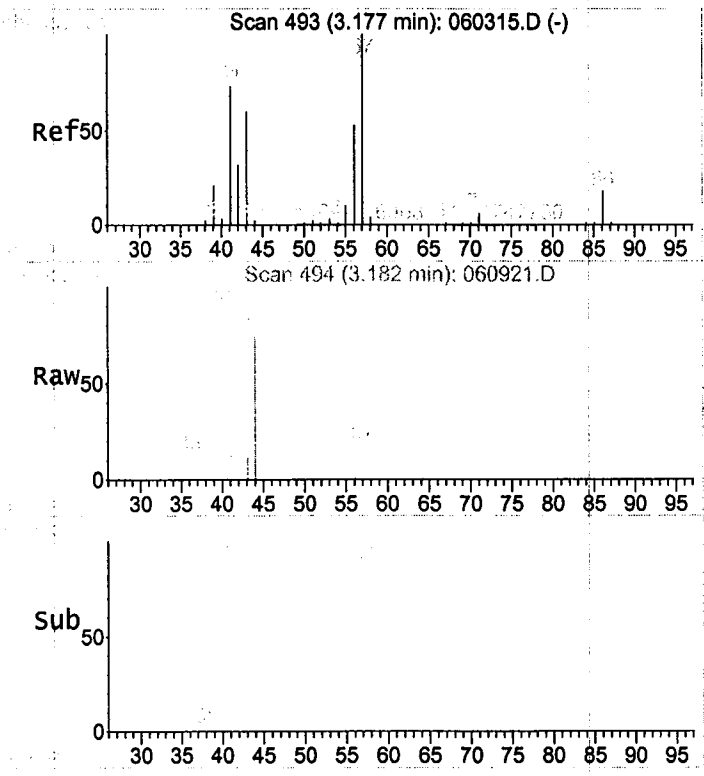


#7
Bromomethane
Concen: Below Cal
RT: 1.58 min Scan# 189
Delta R.T. 0.01 min
Lab File: 060921.D
Acq: 9 Jun 2015 6:10 pm

Tgt Ion: 94 Resp: 258

Ion	Ratio	Lower	Upper
94	100		
96	0.0	64.3	124.3#

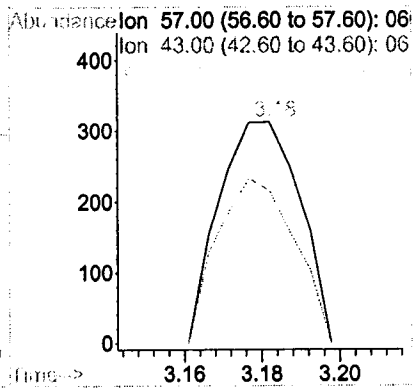


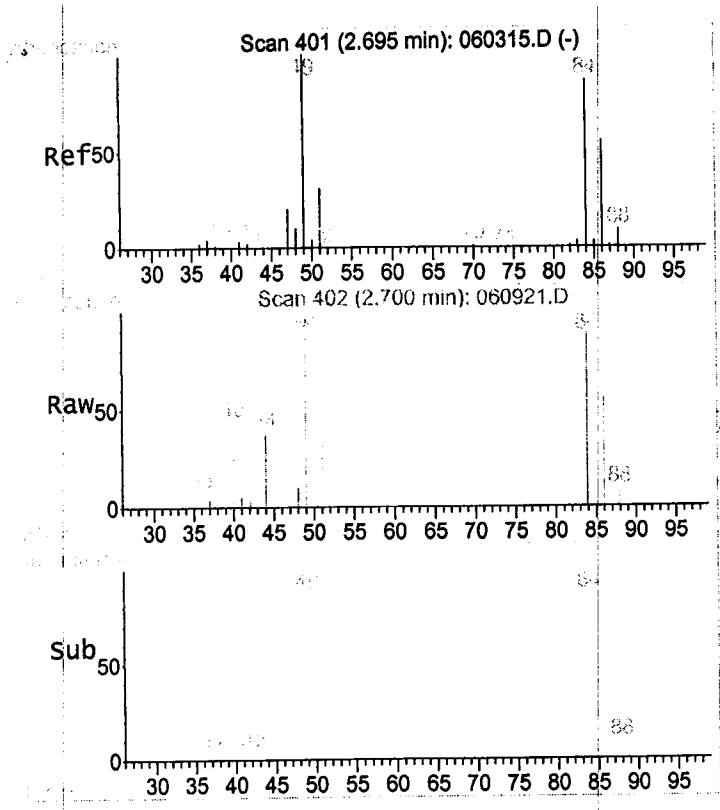


#13
Hexane
Concen: 0.05 ppb
RT: 3.18 min Scan# 494
Delta R.T. 0.01 min
Lab File: 060921.D
Acq: 9 Jun 2015 6:10 pm

Tgt Ion: 57 Resp: 451

Ion	Ratio	Lower	Upper
57	100		
43	69.0	30.1	90.1
86	0.0	0.0	48.2

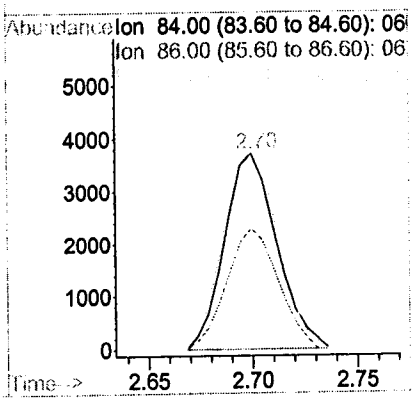


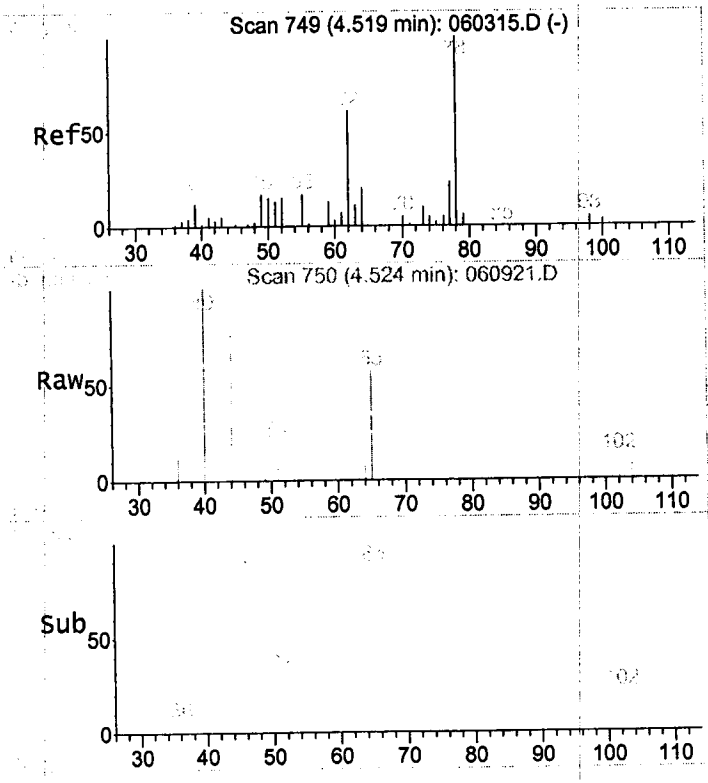


#14
Methylene chloride
Concen: Below Cal
RT: 2.70 min Scan# 402
Delta R.T. 0.01 min
Lab File: 060921.D
Acq: 9 Jun 2015 6:10 pm

Tgt Ion: 84 Resp: 6426

Ion	Ratio	Lower	Upper
84	100		
86	61.6	33.3	93.3
49	112.7	86.2	146.2

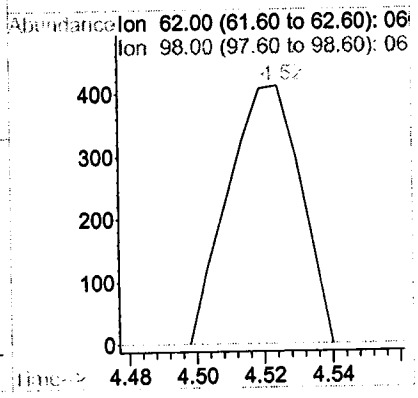


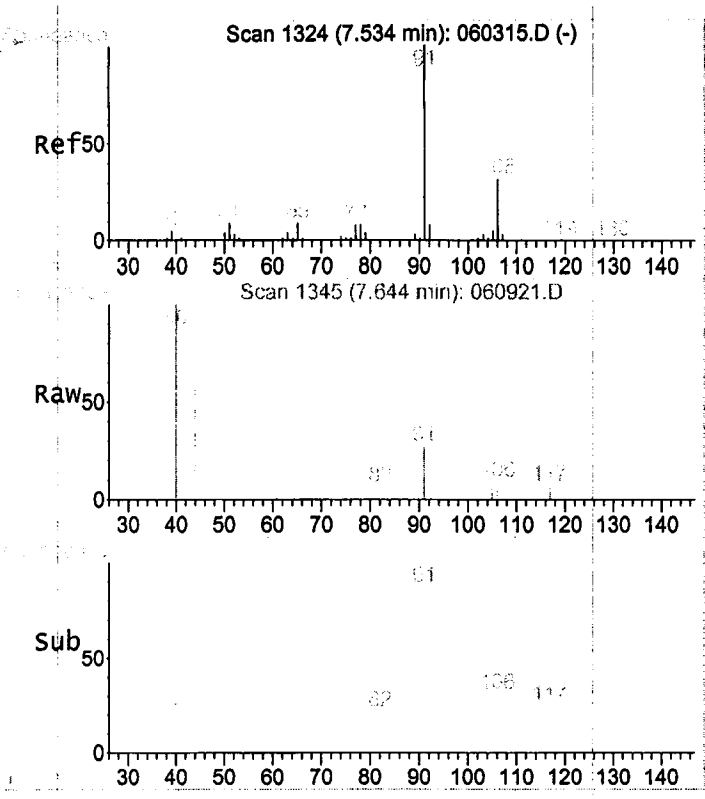


#26
1,2-Dichloroethane (EDC)
Concen: 0.05 ppb
RT: 4.52 min Scan# 750
Delta R.T. 0.01 min
Lab File: 060921.D
Acq: 9 Jun 2015 6:10 pm

Tgt Ion: 62 Resp: 611

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	38.9

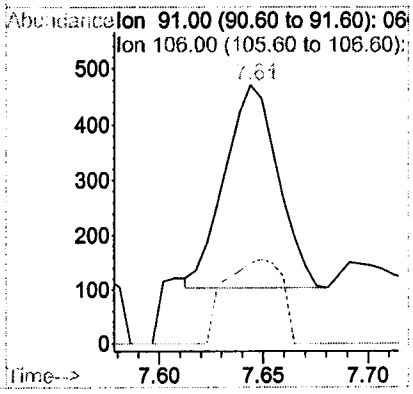


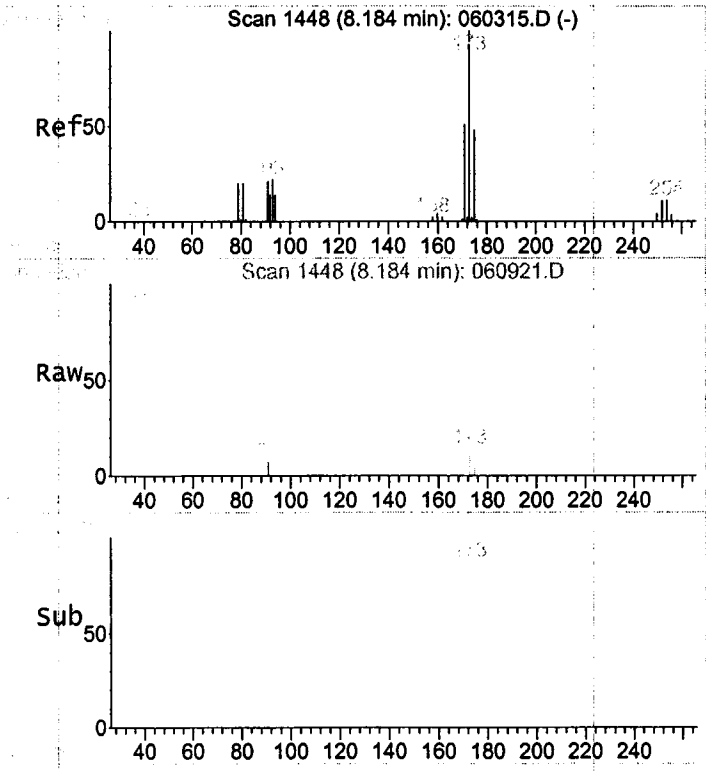


#49
Ethylbenzene
Concen: 0.02 ppb
RT: 7.64 min Scan# 1345
Delta R.T. 0.11 min
Lab File: 060921.D
Acq: 9 Jun 2015 6:10 pm

Tgt Ion: 91 Resp: 660

Ion	Ratio	Lower	Upper
91	100		
106	40.2	1.6	61.6

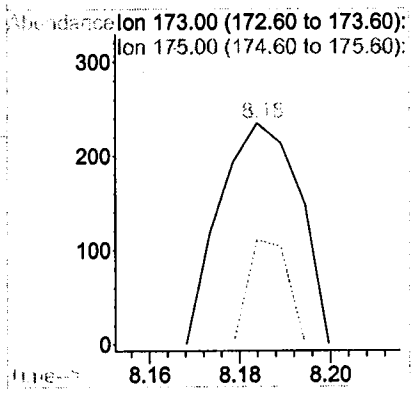


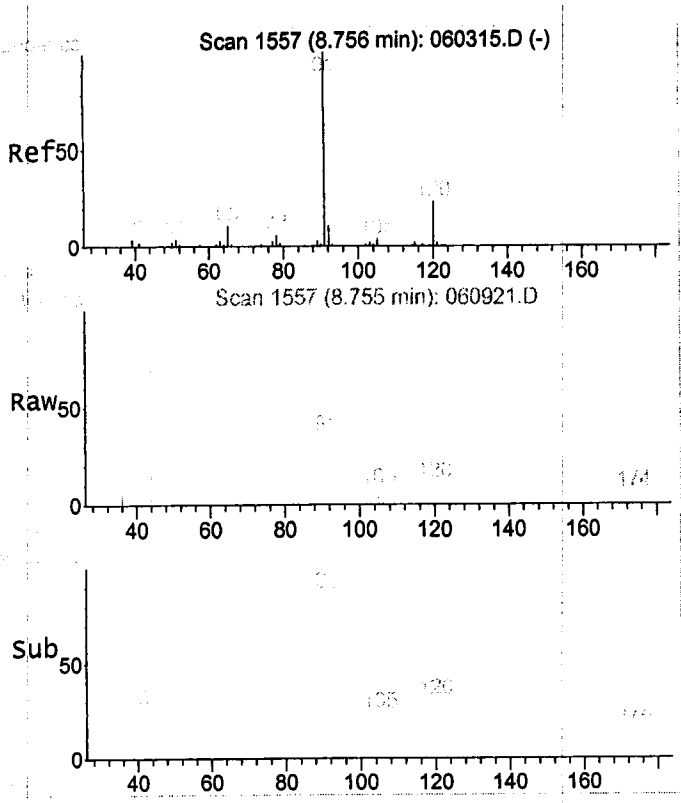


#55
Bromoform
Concen: 0.05 ppb
RT: 8.18 min Scan# 1448
Delta R.T. -0.00 min
Lab File: 060921.D
Acq: 9 Jun 2015 6:10 pm

Tgt Ion:173 Resp: 287

Ion	Ratio	Lower	Upper
173	100		
175	47.2	18.2	78.2
254	0.0	0.0	40.6

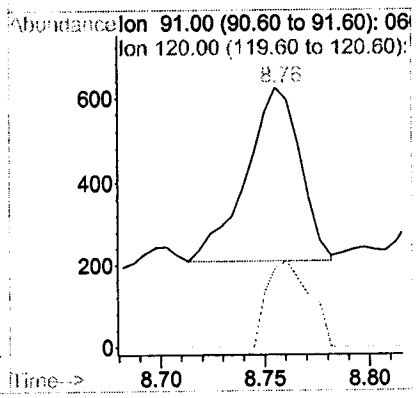


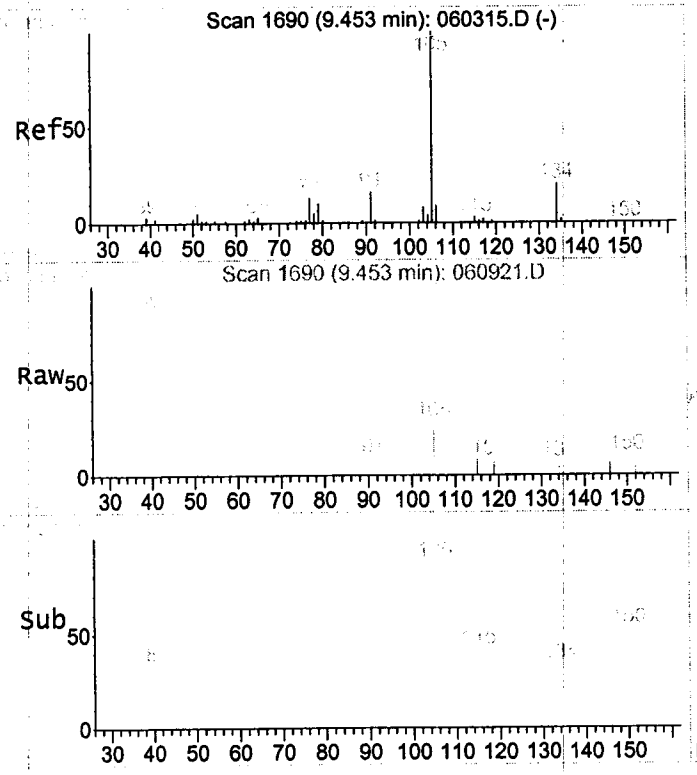


#58
n-Propylbenzene
Concen: 0.02 ppb
RT: 8.76 min Scan# 1557
Delta R.T. -0.00 min
Lab File: 060921.D
Acq: 9 Jun 2015 6:10 pm

Tgt Ion: 91 Resp: 752

Ion	Ratio	Lower	Upper
91	100		
120	46.7	0.0	53.3

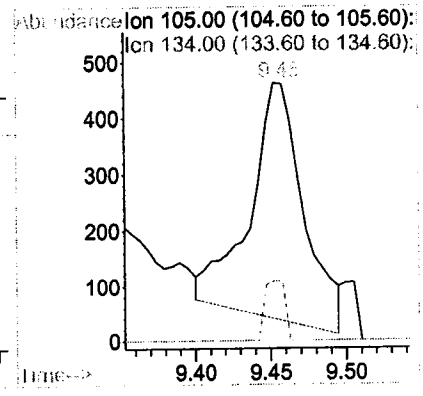


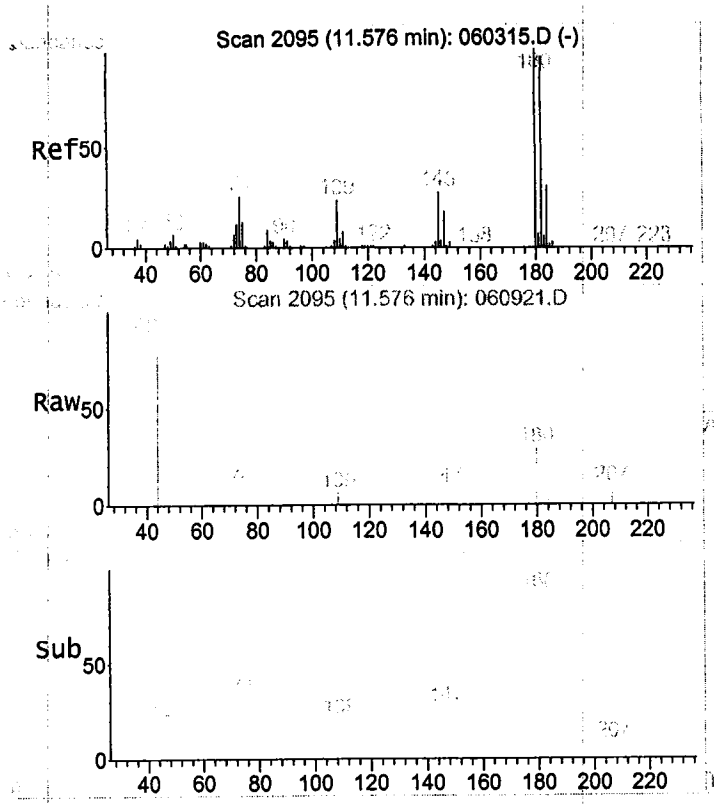


#67
sec-Butylbenzene
Concen: 0.04 ppb
RT: 9.45 min Scan# 1690
Delta R.T. -0.00 min
Lab File: 060921.D
Acq: 9 Jun 2015 6:10 pm

Tgt Ion:105 Resp: 1050

Ion	Ratio	Lower	Upper
105	100		
134	30.0	0.0	49.8

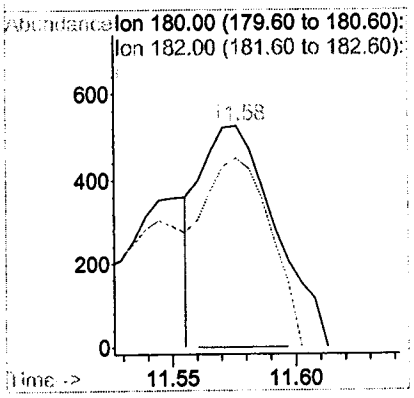


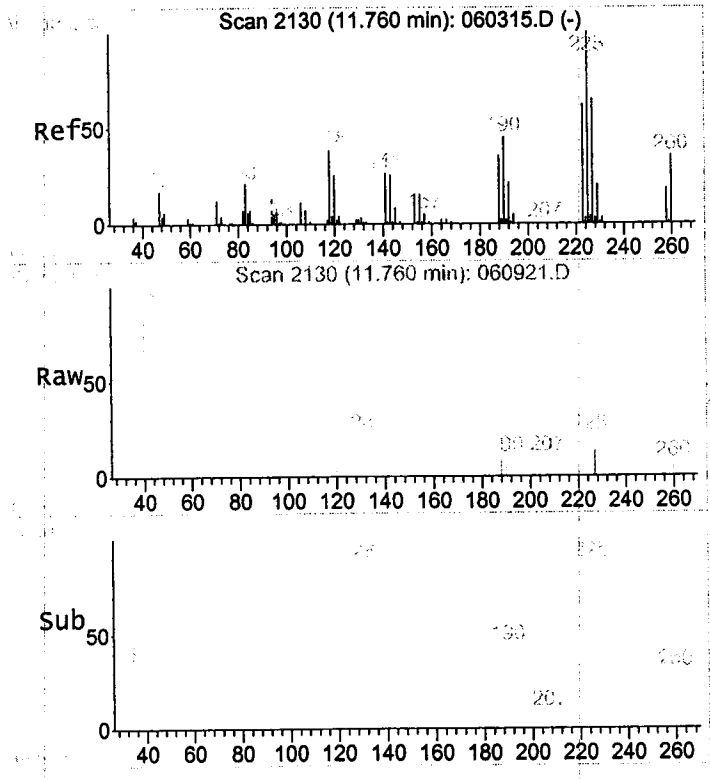


#73
1,2,4-Trichlorobenzene
Concen: 0.10 ppb
RT: 11.58 min Scan# 2095
Delta R.T. -0.00 min
Lab File: 060921.D
Acq: 9 Jun 2015 6:10 pm

Tgt Ion:180 Resp: 1110

Ion	Ratio	Lower	Upper
180	100		
182	85.8	65.8	125.8
145	25.2	0.0	58.5

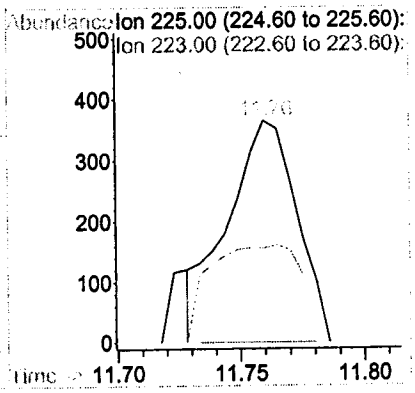


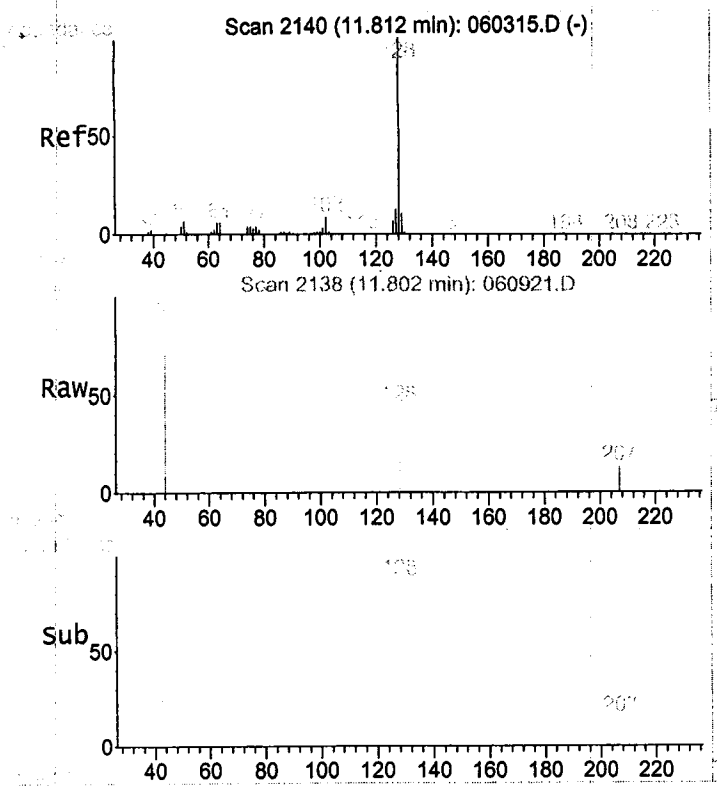


#74
Hexachlorobutadiene
Concen: 0.11 ppb
RT: 11.76 min Scan# 2130
Delta R.T. -0.00 min
Lab File: 060921.D
Acq: 9 Jun 2015 6:10 pm

Tgt Ion:225 Resp: 714

Ion	Ratio	Lower	Upper
225	100		
223	42.9	32.3	92.3
227	63.5	34.7	94.7

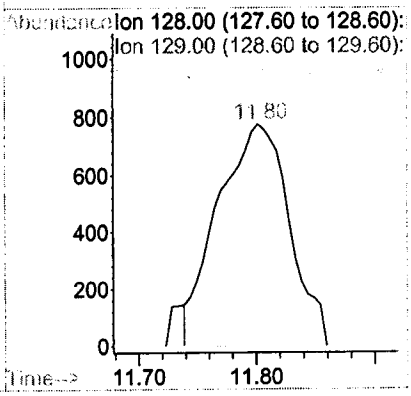


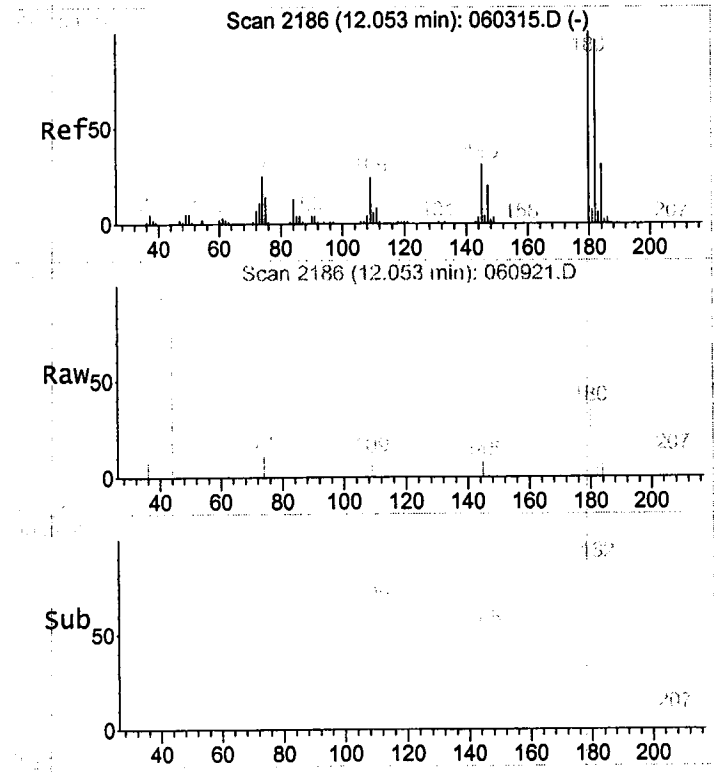


#75
Naphthalene
Concen: 0.14 ppb
RT: 11.80 min Scan# 2138
Delta R.T. -0.01 min
Lab File: 060921.D
Acq: 9 Jun 2015 6:10 pm

Tgt Ion:128 Resp: 3259

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	41.1
127	0.0	0.0	42.6

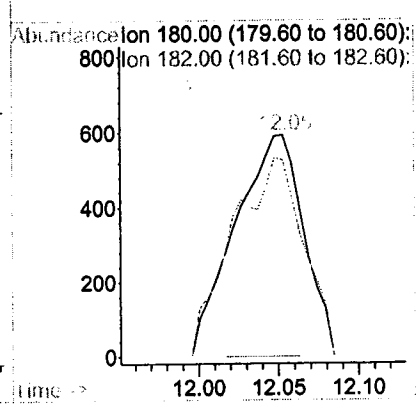




#76
1,2,3-Trichlorobenzene
Concen: 0.16 ppb
RT: 12.05 min Scan# 2186
Delta R.T. -0.00 min
Lab File: 060921.D
Acq: 9 Jun 2015 6:10 pm

Tgt Ion:180 Resp: 1769

Ion	Ratio	Lower	Upper
180	100		
182	89.0	65.8	125.8
145	22.0	0.7	60.7



Quantitation Report (QT Reviewed)

Data File : K:\06-10-15\061020.D
Acq On : 10 Jun 2015 3:22 pm
Sample : 05-1257 mb2
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 18:12 2015

Vial: 20
Operator: VM
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.74	96	1017374	50.00	ppb	0.00
39) Chlorobenzene-d5	7.40	117	753050	50.00	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.61	152	398460	50.00	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	303543	51.81	ppb	0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 103.62%			
30) 1,2-Dichloroethane-d4	4.46	102	70935	51.23	ppb	0.00
Spiked Amount 50.000	Range 94 - 108		Recovery = 102.46%			
35) Toluene-d8	6.11	98	946092	49.97	ppb	0.00
Spiked Amount 50.000	Range 91 - 107		Recovery = 99.94%			
57) 4-Bromofluorobenzene	8.50	95	351535	49.75	ppb	0.00
Spiked Amount 50.000	Range 91 - 110		Recovery = 99.50%			
Target Compounds						Qvalue
2) Ethanol	0.00	45	0	N.D. d		
4) Dichlorodifluoromethane	0.00	85	0	N.D.		
5) Chloromethane	0.00	50	0	N.D.		
6) Vinyl chloride	0.00	62	0	N.D.		
7) Bromomethane	1.54	94	68	Below Cal	#	3
8) Chloroethane	0.00	64	0	N.D.		
9) Trichlorofluoromethane	0.00	101	0	N.D.		
10) 2-Propanol	0.00	45	0	N.D.		
11) Acetone	2.34	58	157	0.191 ppb	#	11
12) 1,1-Dichloroethene	0.00	96	0	N.D.		
13) Hexane	3.18	57	205	0.022 ppb		90
14) Methylene chloride	2.70	84	2739	Below Cal		90
15) t-Butyl alcohol (TBA)	0.00	59	0	N.D.		
16) Methyl t-butyl ether (MTBE	0.00	73	0	N.D.		
17) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
18) Diisopropyl ether (DIPE)	0.00	45	0	N.D.		
19) 1,1-Dichloroethane	0.00	63	0	N.D.		
20) Ethyl t-butyl ether (ETBE)	0.00	87	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) Chloroform	0.00	83	0	N.D.		
24) 2-Butanone (MEK)	0.00	72	0	N.D.		
25) t-Amyl methyl ether (TAME)	0.00	73	0	N.D.		
26) 1,2-Dichloroethane (EDC)	4.52	62	545	0.047 ppb		75
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
28) 1,1-Dichloropropene	0.00	75	0	N.D.		
29) Carbon tetrachloride	0.00	117	0	N.D.		
31) Benzene	4.51	78	264	N.D.		
32) Trichloroethene	0.00	95	0	N.D.		
33) 1,2-Dichloropropane	0.00	63	0	N.D.		
34) Bromodichloromethane	0.00	83	0	N.D.		
36) Dibromomethane	0.00	93	0	N.D.		
37) 4-Methyl-2-pentanone	0.00	100	0	N.D. d		
38) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
40) Toluene	6.11	92	106	N.D.		
41) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
42) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
43) 2-Hexanone	0.00	43	0	N.D.		
44) 1,3-Dichloropropane	0.00	76	0	N.D.		
45) Tetrachloroethene	0.00	164	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report | (QT Reviewed)

Data File : K:\06-10-15\061020.D
Acq On : 10 Jun 2015 3:22 pm
Sample : 05-1257 mb2
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 18:12 2015

Vial: 20
Operator: VM
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Dibromochloromethane	0.00	129	0	N.D.			
47)	1,2-Dibromoethane (EDB)	0.00	107	0	N.D.			
48)	Chlorobenzene	0.00	112	0	N.D.			
49)	Ethylbenzene	7.40	91	1507	0.047	ppb	#	43
50)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.			
51)	m,p-Xylene	0.00	106	0	N.D.			
52)	o-Xylene	0.00	106	0	N.D.			
53)	Styrene	0.00	104	0	N.D.			
54)	Isopropylbenzene	8.50	105	472	N.D.			
55)	Bromoform	8.18	173	302	0.054	ppb		90
58)	n-Propylbenzene	8.76	91	418	N.D.			
59)	Bromobenzene	0.00	156	0	N.D.			
60)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.			
61)	1,1,2,2-Tetrachloroethane	8.50	83	158	N.D.			
62)	1,2,3-Trichloropropane	0.00	75	0	N.D.	d		
63)	2-Chlorotoluene	8.76	91	418	N.D.			
64)	4-Chlorotoluene	8.76	91	418	N.D.			
65)	tert-Butylbenzene	0.00	119	0	N.D.			
66)	1,2,4-Trimethylbenzene	9.28	105	70	N.D.			
67)	sec-Butylbenzene	9.28	105	70	N.D.			
68)	p-Isopropyltoluene	9.60	119	251	N.D.			
69)	1,3-Dichlorobenzene	0.00	146	0	N.D.			
70)	1,4-Dichlorobenzene	0.00	146	0	N.D.			
71)	1,2-Dichlorobenzene	0.00	146	0	N.D.			
72)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.			
73)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.			
74)	Hexachlorobutadiene	0.00	225	0	N.D.			
75)	Naphthalene	11.81	128	158	N.D.			
76)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.			

(#) = qualifier out of range (m) = manual integration

Quantitation Report

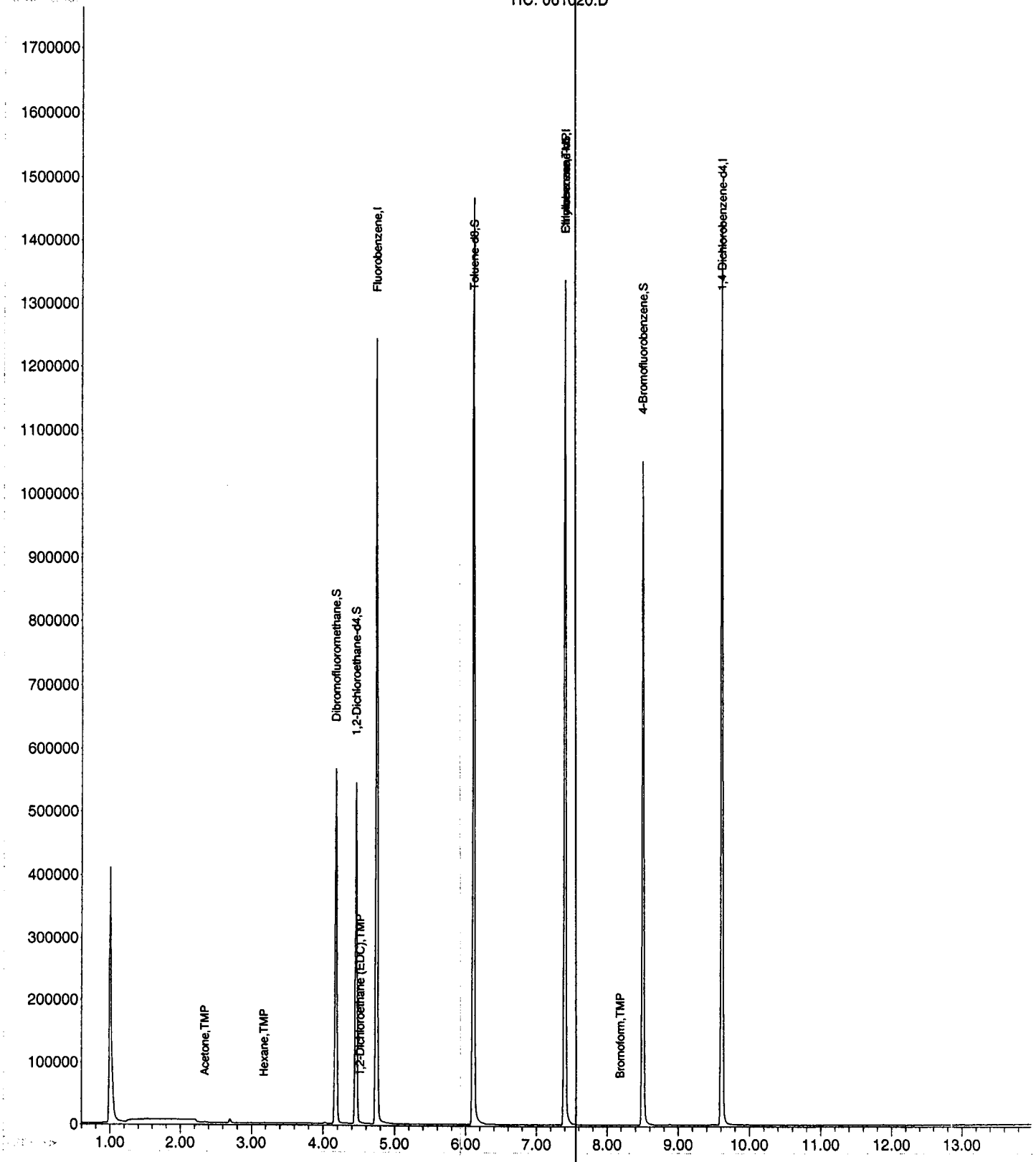
Data File : K:\06-10-15\061020.D
Acq On : 10 Jun 2015 3:22 pm
Sample : 05-1257 mb2
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 18:12 2015

Vial: 20
Operator: VM
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : D:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration

TIC: 061020.D



Quantitation Report (QT Reviewed)

Data File : K:\06-10-15\061020.D
Acq On : 10 Jun 2015 3:22 pm
Sample : 05-1257 mb2
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 18:12 2015

Vial: 20
Operator: VM
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene	4.74	96	1017374	50.00 ppb		0.00
39) Chlorobenzene-d5	7.40	117	753050	50.00 ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.61	152	398460	50.00 ppb		0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	303543	51.81 ppb		0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 103.62%			
30) 1,2-Dichloroethane-d4	4.46	102	70935	51.23 ppb		0.00
Spiked Amount 50.000	Range 94 - 108		Recovery = 102.46%			
35) Toluene-d8	6.11	98	946092	49.97 ppb		0.00
Spiked Amount 50.000	Range 91 - 107		Recovery = 99.94%			
57) 4-Bromofluorobenzene	8.50	95	351535	49.75 ppb		0.00
Spiked Amount 50.000	Range 91 - 110		Recovery = 99.50%			
Target Compounds						Qvalue
7) Bromomethane	1.54	94	68	Below Cal	#	3
11) Acetone	2.34	58	157	0.191 ppb	#	11
13) Hexane	3.18	57	205	0.022 ppb		90
14) Methylene chloride	2.70	84	2739	Below Cal		90
26) 1,2-Dichloroethane (EDC)	4.52	62	545	0.047 ppb		75
49) Ethylbenzene	7.40	91	1507	0.047 ppb	#	43
55) Bromoform	8.18	173	302	0.054 ppb		90

(#) = qualifier out of range (m) = manual integration

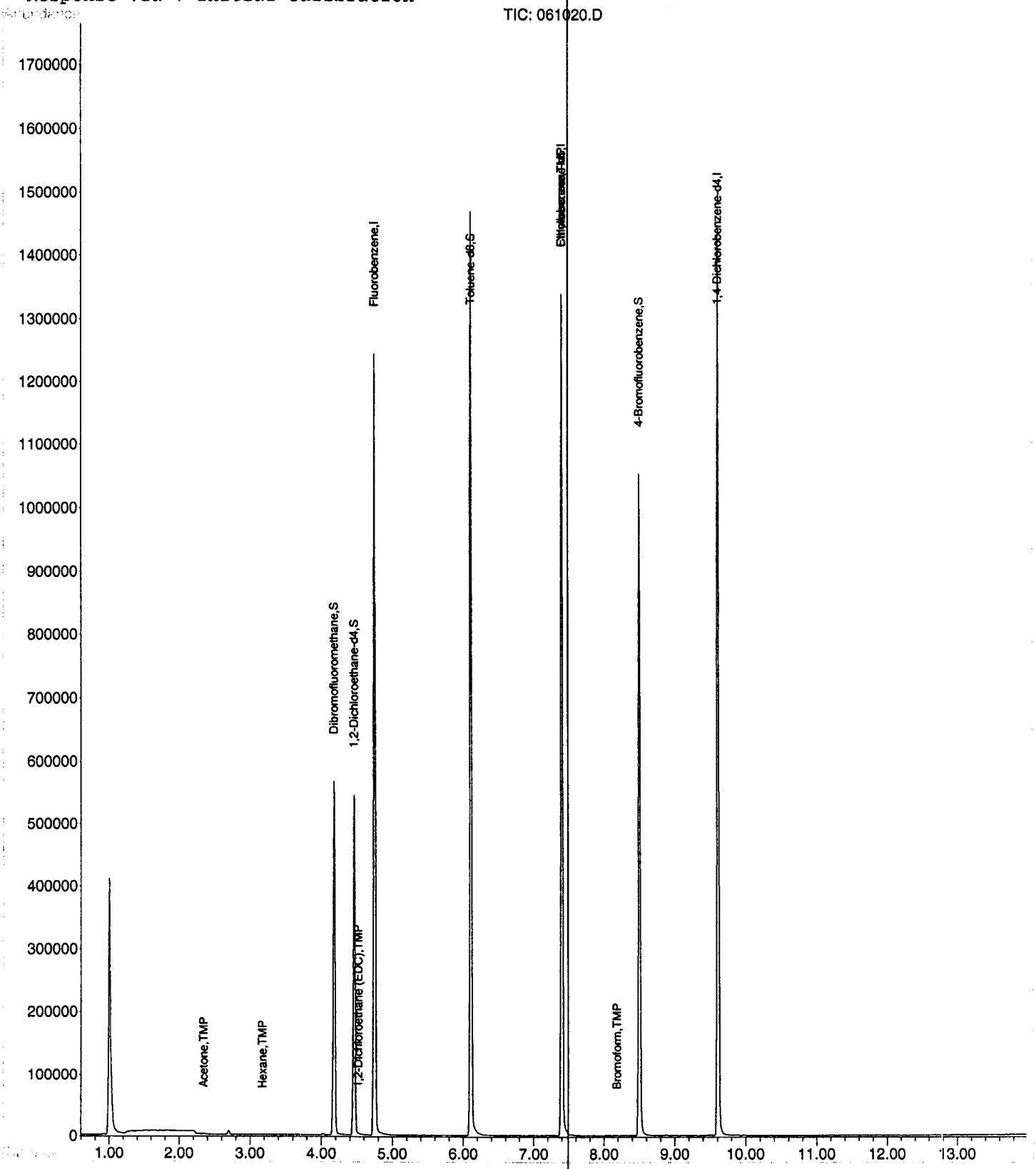
Quantitation Report

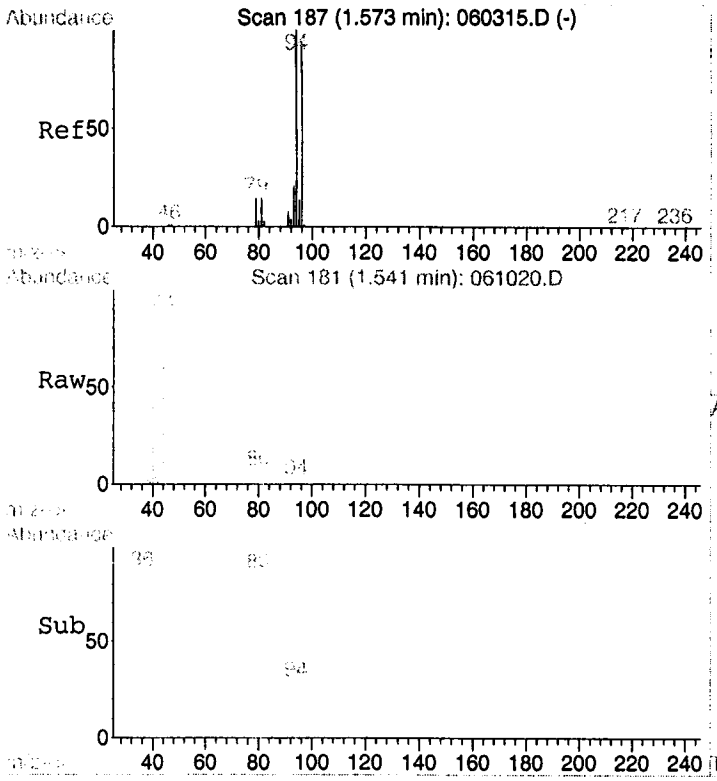
Data File : K:\06-10-15\061020.D
Acq On : 10 Jun 2015 3:22 pm
Sample : 05-1257 mb2
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 18:12 2015

Vial: 20
Operator: VM
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : D:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration

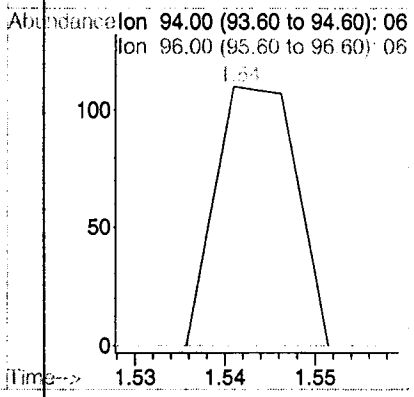


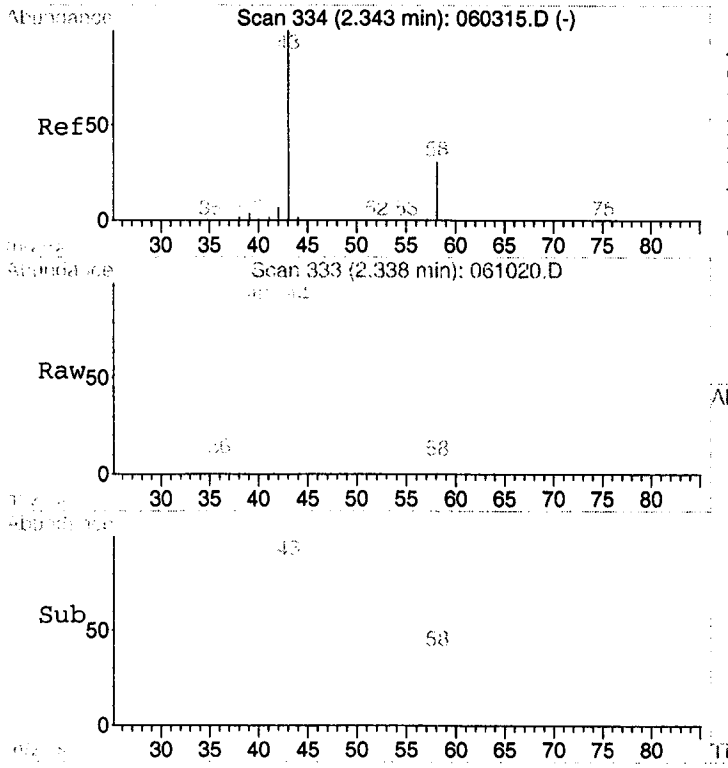


#7
Bromomethane
Concen: Below Cal
RT: 1.54 min Scan# 181
Delta R.T. -0.03 min
Lab File: 061020.D
Acq: 10 Jun 2015 3:22 pm

Tgt Ion: 94 Resp: 68

Ion	Ratio	Lower	Upper
94	100		
96	0.0	64.3	124.3#

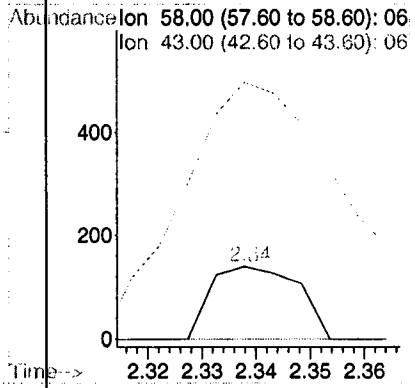


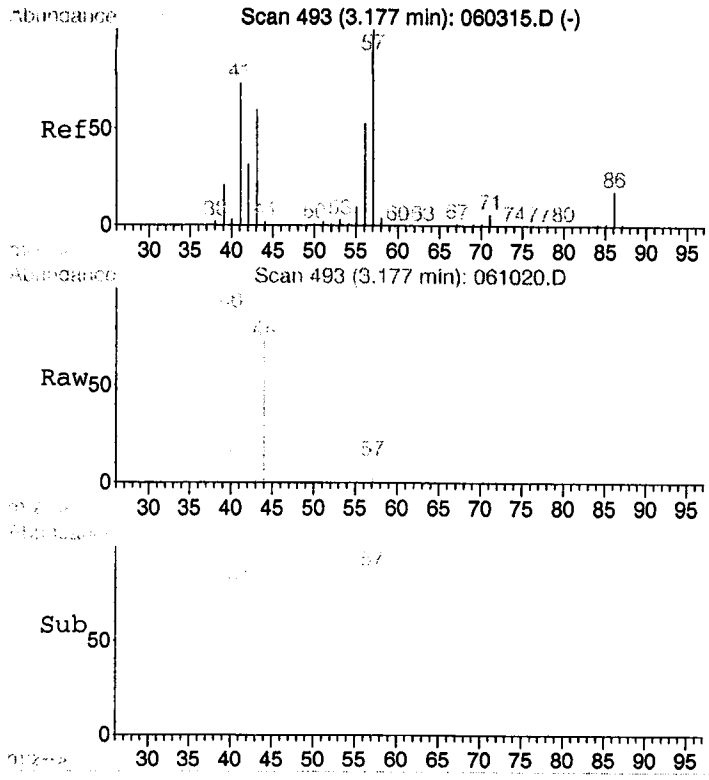


#11
Acetone
Concen: 0.19 ppb
RT: 2.34 min Scan# 333
Delta R.T. -0.01 min
Lab File: 061020.D
Acq: 10 Jun 2015 3:22 pm

Tgt Ion: 58 Resp: 157

Ion	Ratio	Lower	Upper
58	100		
43	139.3	293.1	353.1#

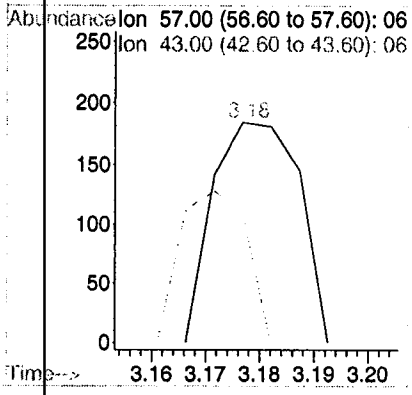


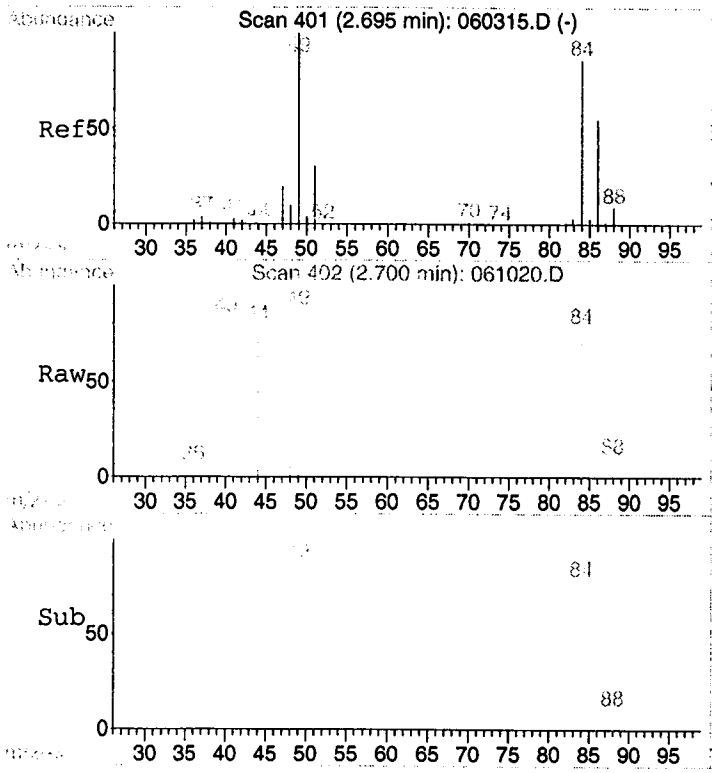


#13
Hexane
Concen: 0.02 ppb
RT: 3.18 min Scan# 493
Delta R.T. -0.00 min
Lab File: 061020.D
Acq: 10 Jun 2015 3:22 pm

Tgt Ion: 57 Resp: 205

Ion	Ratio	Lower	Upper
57	100		
43	59.2	30.1	90.1
86	0.0	0.0	48.2

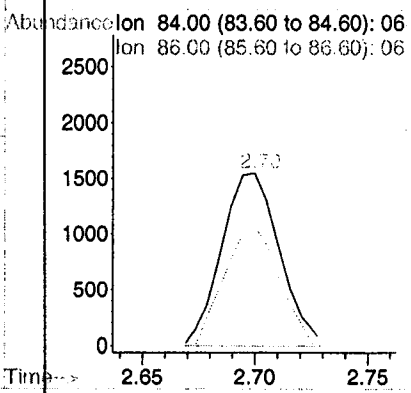


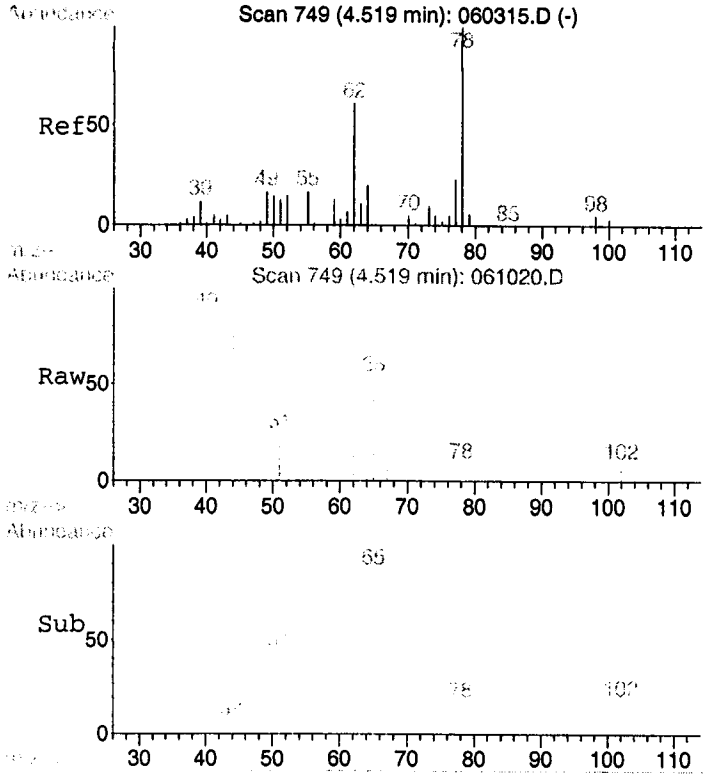


#14
Methylene chloride
Concen: Below Cal
RT: 2.70 min Scan# 402
Delta R.T. 0.01 min
Lab File: 061020.D
Acq: 10 Jun 2015 3:22 pm

Tgt Ion: 84 Resp: 2739

Ion	Ratio	Lower	Upper
84	100		
86	69.4	33.3	93.3
49	128.1	86.2	146.2

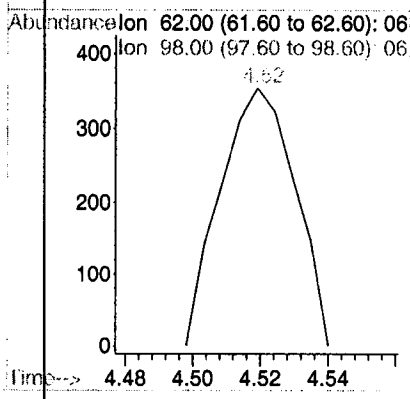


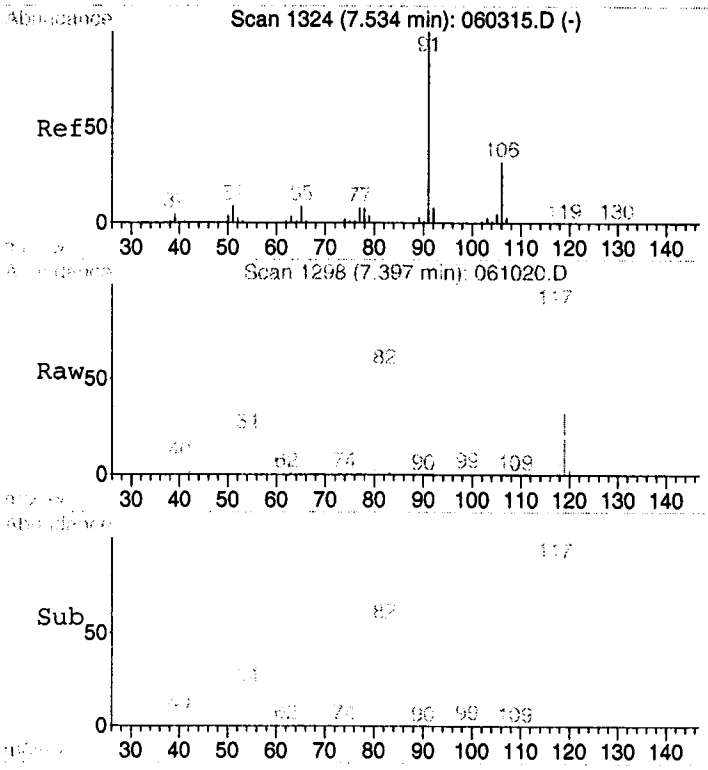


#26
1,2-Dichloroethane (EDC)
Concen: 0.05 ppb
RT: 4.52 min Scan# 749
Delta R.T. -0.00 min
Lab File: 061020.D
Acq: 10 Jun 2015 3:22 pm

Tgt Ion: 62 Resp: 545

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	38.9

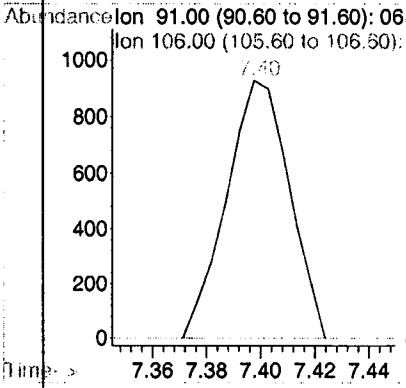


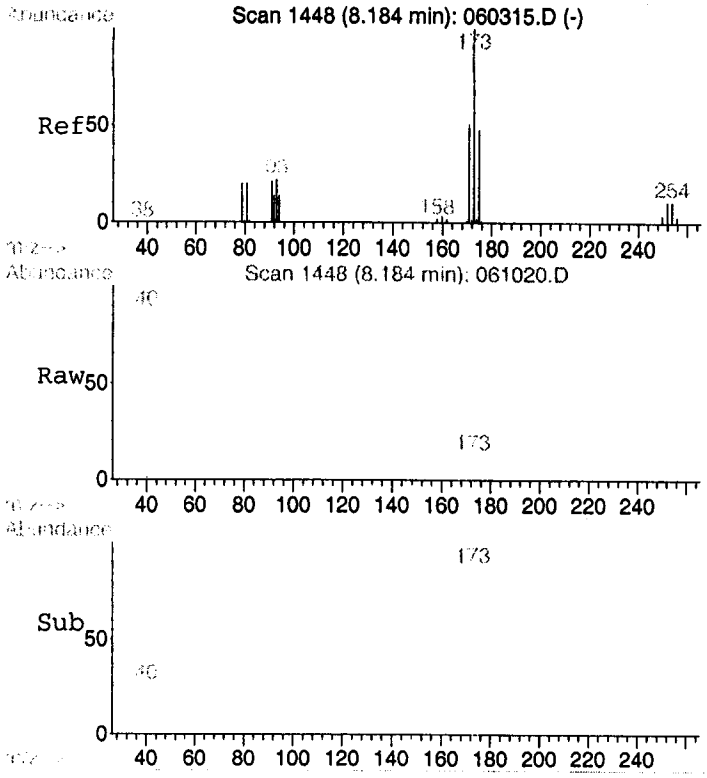


#49
Ethylbenzene
Concen: 0.05 ppb
RT: 7.40 min Scan# 1298
Delta R.T. -0.14 min
Lab File: 061020.D
Acq: 10 Jun 2015 3:22 pm

Tgt Ion: 91 Resp: 1507

Ion	Ratio	Lower	Upper
91	100		
106	0.0	1.6	61.6#

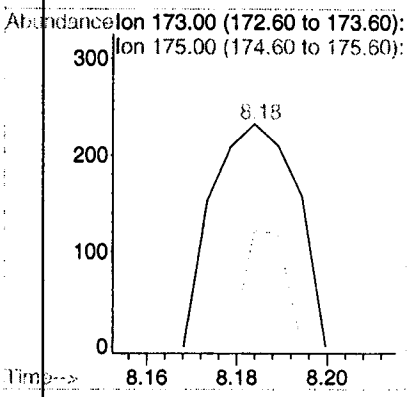




#55
Bromoform
Concen: 0.05 ppb
RT: 8.18 min Scan# 1448
Delta R.T. -0.00 min
Lab File: 061020.D
Acq: 10 Jun 2015 3:22 pm

Tgt Ion:173 Resp: 302

Ion	Ratio	Lower	Upper
173	100		
175	52.6	18.2	78.2
254	0.0	0.0	40.6



Spike Recovery and RPD Summary Report - WATER

Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration

Non-Spiked Sample: 060922.D

	Spike Sample	Spike Duplicate Sample
File ID :	060919.D	060919.D
Sample :	506191-01 ms	506191-01 ms
Acq Time:	9 Jun 2015 5:26 pm	9 Jun 2015 5:26 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Ethanol	0.0	2500	2414	2414	97	97	0	20	44-171
Dichlorodifluorometh	0.0	50	70	70	141	141	0	20	67-141
Chloromethane	0.0	50	56	56	112	112	0	20	68-126
Vinyl chloride	0.0	50	54	54	107	107	0	20	69-127
Bromomethane	0.0	50	152	152	304#	304#	0	20	48-175
Chloroethane	0.0	50	79	79	158#	158#	0	20	69-133
Trichlorofluorometha	0.0	50	56	56	111	111	0	20	37-133
2-Propanol	1.2	250	268	268	107	107	0	20	70-130
Acetone	0.6	250	232	232	93	93	0	20	52-138
1,1-Dichloroethene	0.0	50	49	49	98	98	0	20	74-119
Hexane	0.0	50	50	50	100	100	0	20	69-127
Methylene chloride	0.0	50	52	52	104	104	0	20	71-119
t-Butyl alcohol (TBA	0.0	2500	2736	2736	109	109	0	20	82-126
Methyl t-butyl ether	0.0	50	53	53	107	107	0	20	81-118
trans-1,2-Dichloroet	0.0	50	49	49	98	98	0	20	81-120
Diisopropyl ether (D	0.0	50	51	51	102	102	0	20	81-124
1,1-Dichloroethane	0.0	50	47	47	94	94	0	20	79-122
Ethyl t-butyl ether	0.0	50	56	56	113	113	0	20	81-122
2,2-Dichloropropane	0.0	50	49	49	99	99	0	20	65-154
cis-1,2-Dichloroethe	0.0	50	49	49	98	98	0	20	81-125
Chloroform	0.0	50	47	47	93	93	0	20	75-121
2-Butanone (MEK)	0.0	250	273	273	109	109	0	20	64-136
t-Amyl methyl ether	0.0	50	58	58	117	117	0	20	81-122
1,2-Dichloroethane (	0.1	50	45	45	89	89	0	20	78-117
1,1,1-Trichloroethan	0.0	50	50	50	99	99	0	20	77-123
1,1-Dichloropropene	0.0	50	51	51	102	102	0	20	82-117
Carbon tetrachloride	0.0	50	51	51	102	102	0	20	77-126
Benzene	0.0	50	47	47	94	94	0	20	79-119
Trichloroethene	0.0	50	47	47	94	94	0	20	72-120
1,2-Dichloropropane	0.0	50	49	49	98	98	0	20	84-121
Bromodichloromethane	0.0	50	49	49	99	99	0	20	80-119
Dibromomethane	0.0	50	47	47	94	94	0	20	82-115
4-Methyl-2-pentanone	0.0	250	298	298	119	119	0	20	39-185
cis-1,3-Dichloroprop	0.0	50	54	54	108	108	0	20	85-127
Toluene	0.0	50	47	47	94	94	0	20	81-121
trans-1,3-Dichloropr	0.0	50	56	56	111	111	0	20	85-124
1,1,2-Trichloroethan	0.0	50	47	47	94	94	0	20	83-115
2-Hexanone	0.0	250	283	283	113	113	0	20	77-127
1,3-Dichloropropane	0.0	50	47	47	94	94	0	20	84-117
Tetrachloroethene	0.0	50	47	47	95	95	0	20	78-117
Dibromochloromethane	0.0	50	51	51	102	102	0	20	84-122
1,2-Dibromoethane (E	0.0	50	50	50	99	99	0	20	84-118
Chlorobenzene	0.0	50	45	45	90	90	0	20	80-115
Ethylbenzene	0.0	50	51	51	101	101	0	20	84-120
1,1,1,2-Tetrachloroe	0.0	50	50	50	100	100	0	20	81-123
m,p-Xylene	0.0	100	105	105	105	105	0	20	84-119
o-Xylene	0.0	50	56	56	111	111	0	20	85-118
Styrene	0.0	50	57	57	114	114	0	20	85-120
Isopropylbenzene	0.0	50	57	57	114	114	0	20	86-120
Bromoform	0.1	50	51	51	102	102	0	20	76-128
n-Propylbenzene	0.0	50	50	50	100	100	0	20	82-120
Bromobenzene	0.0	50	47	47	94	94	0	20	77-121
1,3,5-Trimethylbenze	0.0	50	53	53	106	106	0	20	83-122
1,1,2,2-Tetrachloroe	0.0	50	46	46	92	92	0	20	79-120
1,2,3-Trichloropropa	0.0	50	46	46	93	93	0	20	69-124
2-Chlorotoluene	0.0	50	48	48	95	95	0	20	82-115
4-Chlorotoluene	0.0	50	50	50	99	99	0	20	83-117

tert-Butylbenzene	0.0	50	56	56	111	111	0	20	82-123
1,2,4-Trimethylbenze	0.0	50	55	55	109	109	0	20	82-122
sec-Butylbenzene	0.0	50	55	55	109	109	0	20	81-122
p-Isopropyltoluene	0.0	50	53	53	107	107	0	20	81-123
1,3-Dichlorobenzene	0.0	50	46	46	92	92	0	20	82-114
1,4-Dichlorobenzene	0.0	50	45	45	90	90	0	20	76-111
1,2-Dichlorobenzene	0.0	50	45	45	91	91	0	20	79-116
1,2-Dibromo-3-chloro	0.0	50	54	54	108	108	0	20	73-121
1,2,4-Trichlorobenze	0.1	50	49	49	97	97	0	20	74-120
Hexachlorobutadiene	0.1	50	43	43	85	85	0	20	71-118
Naphthalene	0.1	50	53	53	106	106	0	20	74-132
1,2,3-Trichlorobenze	0.1	50	49	49	97	97	0	20	70-124

- Fails Limit Check

VB060315.M Wed Jun 10 09:36:27 2015

Quantitation Report (QT Reviewed)

Data File : P:\06-09-15\060922.D
Acq On : 9 Jun 2015 6:33 pm
Sample : 506191-01
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:34 2015

Vial: 22
Operator: JS
Inst : GCMS7
Multiplr: 1.00
Quant Results File: VB060315.RES

Quant Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.74	96	1006752	50.00 ppb	0.00
39) Chlorobenzene-d5	7.40	117	750791	50.00 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.61	152	397561	50.00 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.17	113	298965	51.57 ppb	0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 103.14%		
30) 1,2-Dichloroethane-d4	4.46	102	70051	51.13 ppb	0.00
Spiked Amount 50.000	Range 94 - 108		Recovery = 102.26%		
35) Toluene-d8	6.11	98	931712	49.73 ppb	0.00
Spiked Amount 50.000	Range 91 - 107		Recovery = 99.46%		
57) 4-Bromofluorobenzene	8.50	95	349714	49.60 ppb	0.00
Spiked Amount 50.000	Range 91 - 110		Recovery = 99.20%		
Target Compounds					Qvalue
2) Ethanol	0.00	45	0	N.D. d	
4) Dichlorodifluoromethane	0.00	85	0	N.D.	
5) Chloromethane	1.25	50	71	N.D.	
6) Vinyl chloride	0.00	62	0	N.D.	
7) Bromomethane	1.57	94	188	Below Cal #	3
8) Chloroethane	0.00	64	0	N.D.	
9) Trichlorofluoromethane	0.00	101	0	N.D.	
10) 2-Propanol	2.48	45	655	1.18 ppb	87
11) Acetone	2.34	58	520	0.64 ppb #	61
12) 1,1-Dichloroethene	0.00	96	0	N.D.	
13) Hexane	3.18	57	378	0.04 ppb #	57
14) Methylene chloride	2.70	84	14509	Below Cal	98
15) t-Butyl alcohol (TBA)	0.00	59	0	N.D.	
16) Methyl t-butyl ether (MTBE	0.00	73	0	N.D.	
17) trans-1,2-Dichloroethene	0.00	96	0	N.D.	
18) Diisopropyl ether (DIPE)	0.00	45	0	N.D.	
19) 1,1-Dichloroethane	0.00	63	0	N.D.	
20) Ethyl t-butyl ether (ETBE)	0.00	87	0	N.D.	
21) 2,2-Dichloropropane	0.00	77	0	N.D.	
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.	
23) Chloroform	0.00	83	0	N.D.	
24) 2-Butanone (MEK)	0.00	72	0	N.D.	
25) t-Amyl methyl ether (TAME)	0.00	73	0	N.D.	
26) 1,2-Dichloroethane (EDC)	4.52	62	595	0.05 ppb	75
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.	
28) 1,1-Dichloropropene	0.00	75	0	N.D.	
29) Carbon tetrachloride	0.00	117	0	N.D.	
31) Benzene	4.51	78	225	N.D.	
32) Trichloroethene	0.00	95	0	N.D.	
33) 1,2-Dichloropropane	0.00	63	0	N.D.	
34) Bromodichloromethane	0.00	83	0	N.D.	
36) Dibromomethane	0.00	93	0	N.D.	
37) 4-Methyl-2-pentanone	0.00	100	0	N.D. d	
38) cis-1,3-Dichloropropene	0.00	75	0	N.D.	
40) Toluene	6.17	92	238	N.D.	
41) trans-1,3-Dichloropropene	0.00	75	0	N.D.	
42) 1,1,2-Trichloroethane	0.00	83	0	N.D.	
43) 2-Hexanone	0.00	43	0	N.D. d	
44) 1,3-Dichloropropane	0.00	76	0	N.D.	
45) Tetrachloroethene	0.00	164	0	N.D.	
46) Dibromochloromethane	0.00	129	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Data File : P:\06-09-15\060922.D
Acq On : 9 Jun 2015 6:33 pm
Sample : 506191-01
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:34 2015

Vial: 22
Operator: JS
Inst : GCMS7
Multiplr: 1.00
Quant Results File: VB060315.RES

Quant Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
47)	1,2-Dibromoethane (EDB)	0.00	107	0	N.D.	
48)	Chlorobenzene	7.42	112	242	N.D.	
49)	Ethylbenzene	7.53	91	431	N.D.	
50)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
51)	m,p-Xylene	0.00	106	0	N.D. d	
52)	o-Xylene	0.00	106	0	N.D.	
53)	Styrene	8.02	104	66	N.D.	
54)	Isopropylbenzene	8.36	105	210	N.D.	
55)	Bromoform	8.18	173	328	0.06 ppb	91
58)	n-Propylbenzene	8.76	91	496	N.D.	
59)	Bromobenzene	0.00	156	0	N.D.	
60)	1,3,5-Trimethylbenzene	8.93	105	447	N.D.	
61)	1,1,2,2-Tetrachloroethane	8.50	83	67	N.D.	
62)	1,2,3-Trichloropropane	0.00	75	0	N.D. d	
63)	2-Chlorotoluene	0.00	91	0	N.D. d	
64)	4-Chlorotoluene	0.00	91	0	N.D. d	
65)	tert-Butylbenzene	9.24	119	206	N.D.	
66)	1,2,4-Trimethylbenzene	9.29	105	359	N.D.	
67)	sec-Butylbenzene	0.00	105	0	N.D. d	
68)	p-Isopropyltoluene	9.56	119	143	N.D.	
69)	1,3-Dichlorobenzene	0.00	146	0	N.D. d	
70)	1,4-Dichlorobenzene	0.00	146	0	N.D. d	
71)	1,2-Dichlorobenzene	9.99	146	228	N.D.	
72)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.	
73)	1,2,4-Trichlorobenzene	11.55	180	547	0.05 ppb	81
74)	Hexachlorobutadiene	11.76	225	431	0.07 ppb	98
75)	Naphthalene	11.81	128	1335	0.06 ppb	69
76)	1,2,3-Trichlorobenzene	12.05	180	1129	0.11 ppb	93

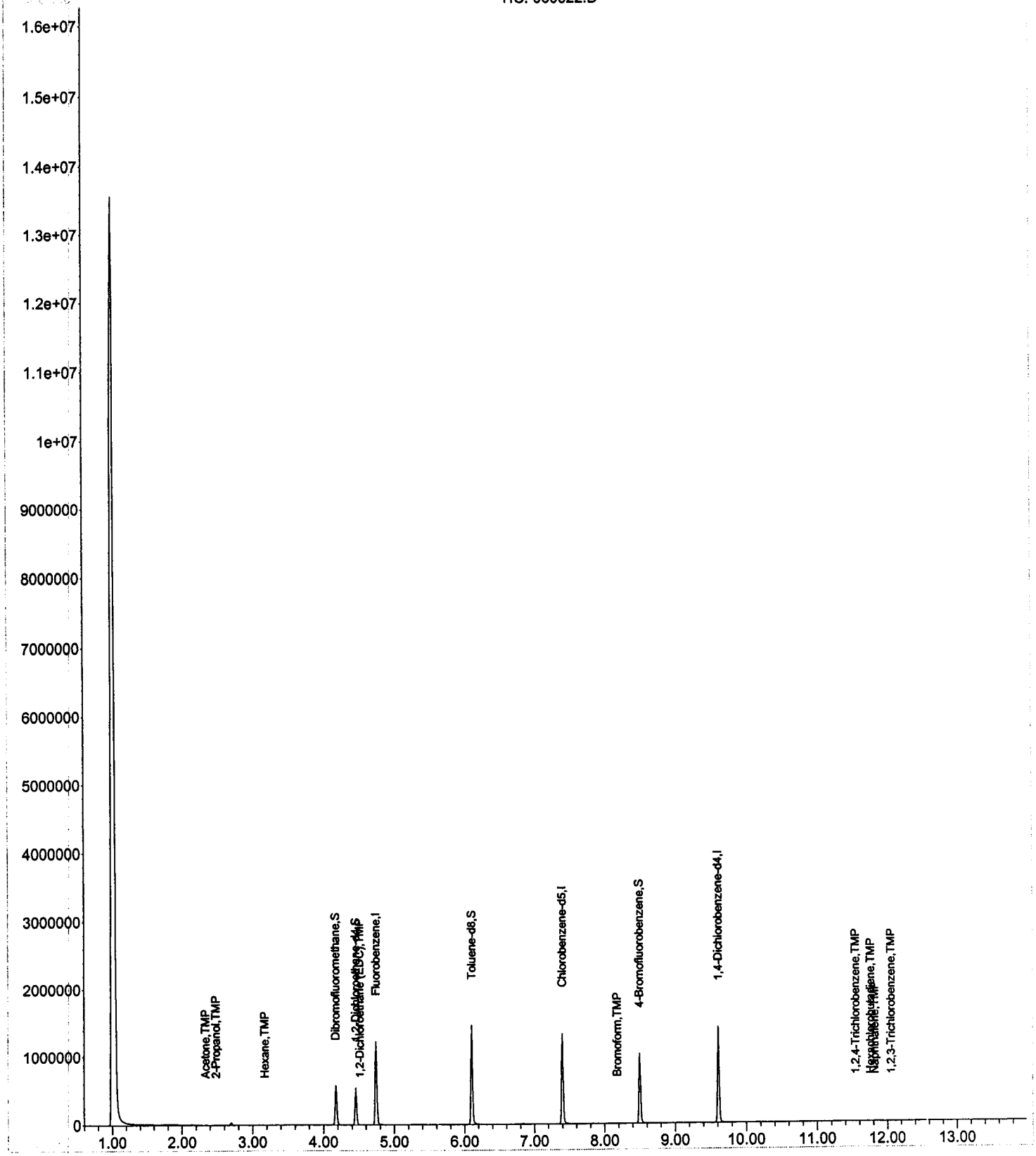
(#) = qualifier out of range (m) = manual integration

Data File : P:\06-09-15\060922.D
Acq On : 9 Jun 2015 6:33 pm
Sample : 506191-01
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:34 2015

Vial: 22
Operator: JS
Inst : GCMS7
Multiplr: 1.00
Quant Results File: VB060315.RES

Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration

TIC: 060922.D



Quantitation Report (QT Reviewed)

Data File : P:\06-09-15\060922.D Vial: 22
Acq On : 9 Jun 2015 6:33 pm Operator: JS
Sample : 506191-01 Inst : GCMS7
Misc : water Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:34 2015 Quant Results File: VB060315.RES

Quant Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.74	96	1006752	50.00	ppb	0.00
39) Chlorobenzene-d5	7.40	117	750791	50.00	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.61	152	397561	50.00	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	298965	51.57	ppb	0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 103.14%			
30) 1,2-Dichloroethane-d4	4.46	102	70051	51.13	ppb	0.00
Spiked Amount 50.000	Range 94 - 108		Recovery = 102.26%			
35) Toluene-d8	6.11	98	931712	49.73	ppb	0.00
Spiked Amount 50.000	Range 91 - 107		Recovery = 99.46%			
57) 4-Bromofluorobenzene	8.50	95	349714	49.60	ppb	0.00
Spiked Amount 50.000	Range 91 - 110		Recovery = 99.20%			
Target Compounds						Qvalue
7) Bromomethane	1.57	94	188	Below Cal	#	3
10) 2-Propanol	2.48	45	655	1.18	ppb	87
11) Acetone	2.34	58	520	0.64	ppb #	61
13) Hexane	3.18	57	378	0.04	ppb #	57
14) Methylene chloride	2.70	84	14509	Below Cal		98
26) 1,2-Dichloroethane (EDC)	4.52	62	595	0.05	ppb	75
55) Bromoform	8.18	173	328	0.06	ppb	91
73) 1,2,4-Trichlorobenzene	11.55	180	547	0.05	ppb	81
74) Hexachlorobutadiene	11.76	225	431	0.07	ppb	98
75) Naphthalene	11.81	128	1335	0.06	ppb	69
76) 1,2,3-Trichlorobenzene	12.05	180	1129	0.11	ppb	93

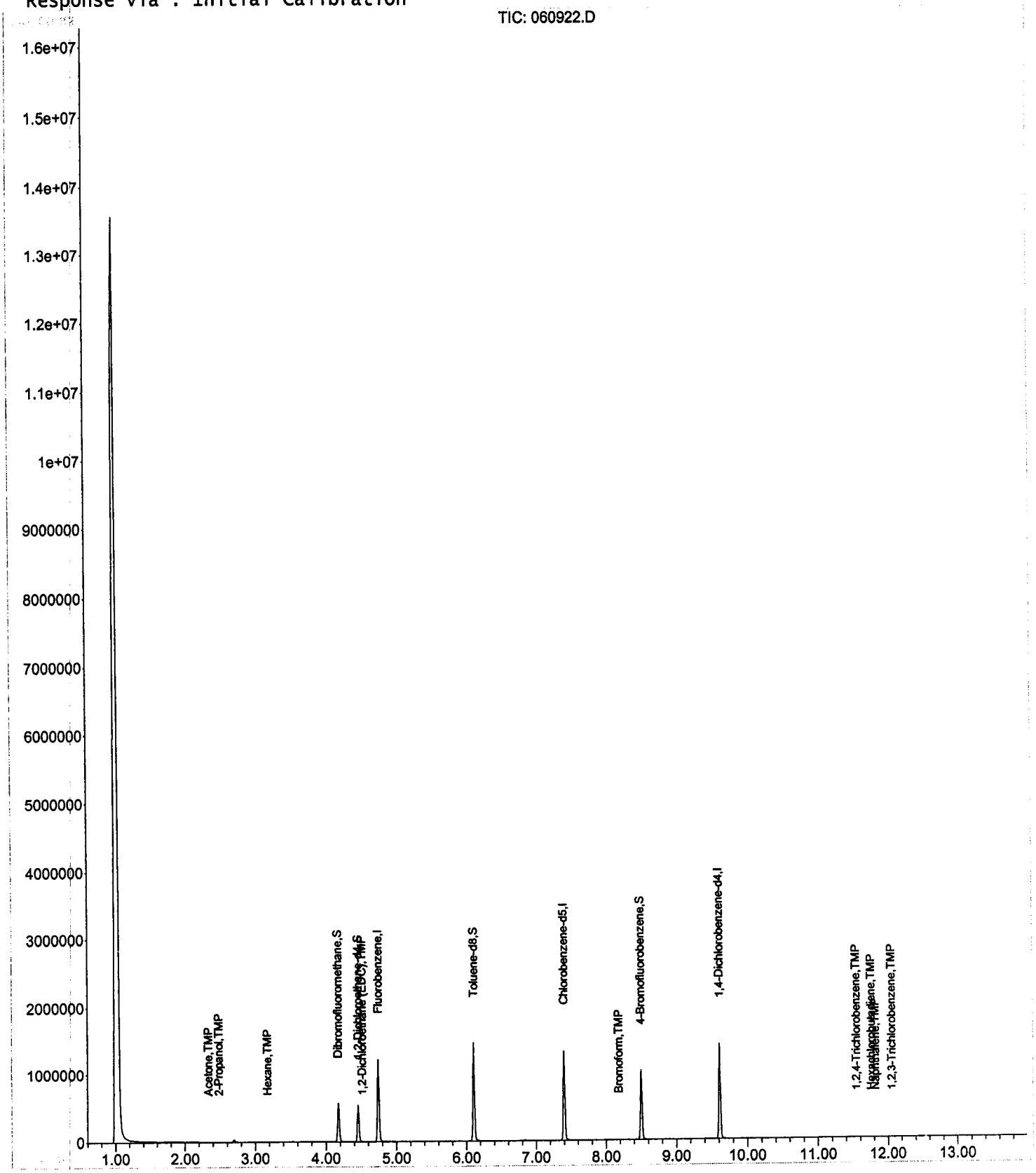
(#) = qualifier out of range (m) = manual integration

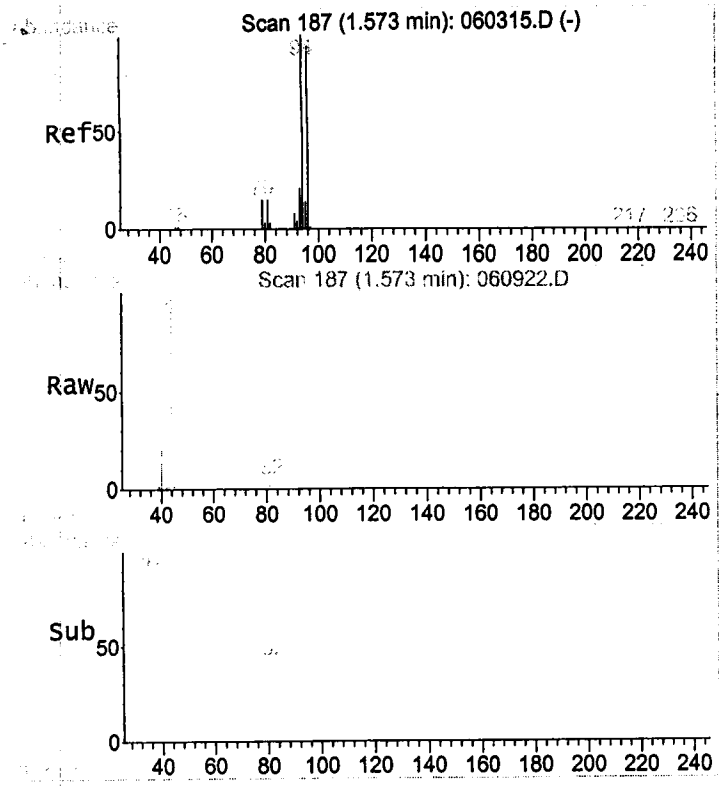
Data File : P:\06-09-15\060922.D
Acq On : 9 Jun 2015 6:33 pm
Sample : 506191-01
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:34 2015

Vial: 22
Operator: JS
Inst : GCMS7
Multiplr: 1.00
Quant Results File: VB060315.RES

Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration

TIC: 060922.D

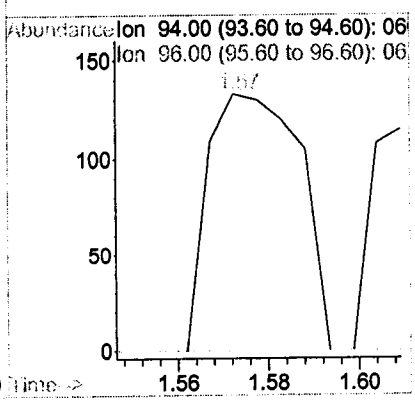


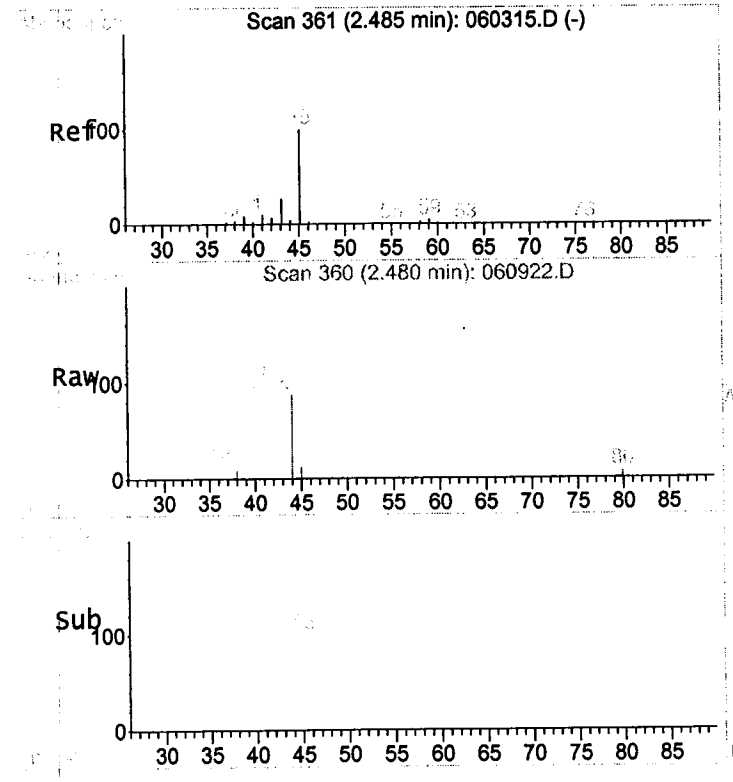


#7
Bromomethane
Concen: Below Cal
RT: 1.57 min Scan# 187
Delta R.T. -0.00 min
Lab File: 060922.D
Acq: 9 Jun 2015 6:33 pm

Tgt Ion: 94 Resp: 188

Ion	Ratio	Lower	Upper
94	100		
96	0.0	64.3	124.3#

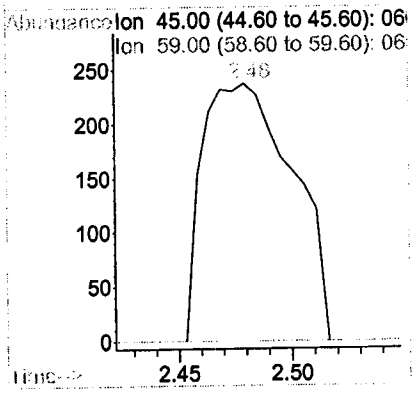


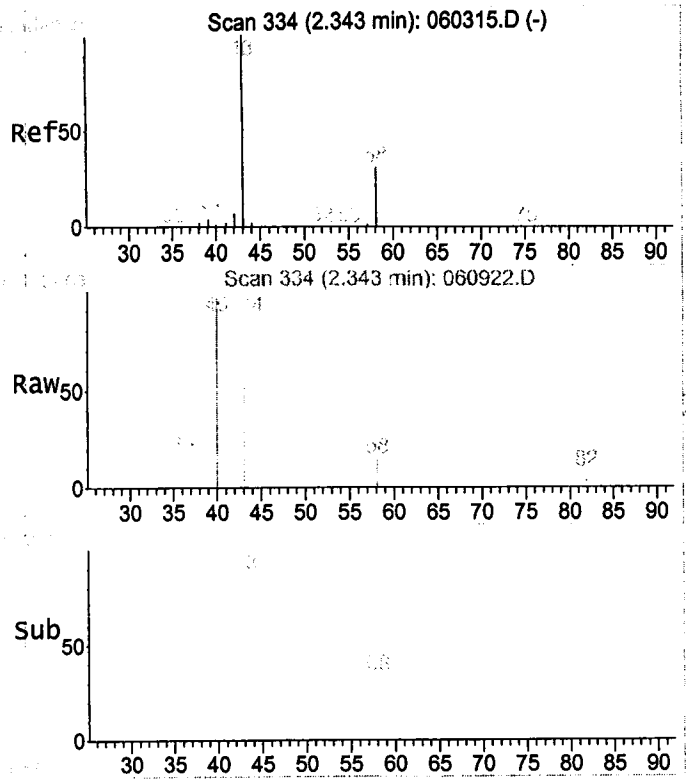


#10
2-Propanol
Concen: 1.18 ppb
RT: 2.48 min Scan# 360
Delta R.T. -0.01 min
Lab File: 060922.D
Acq: 9 Jun 2015 6:33 pm

Tgt Ion: 45 Resp: 655

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	34.4

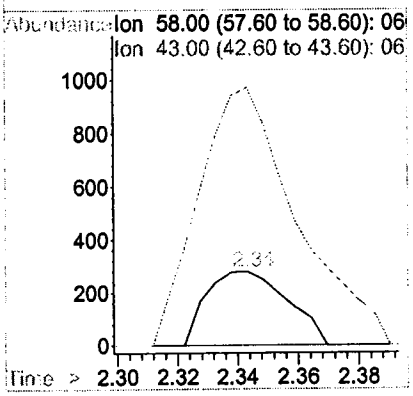


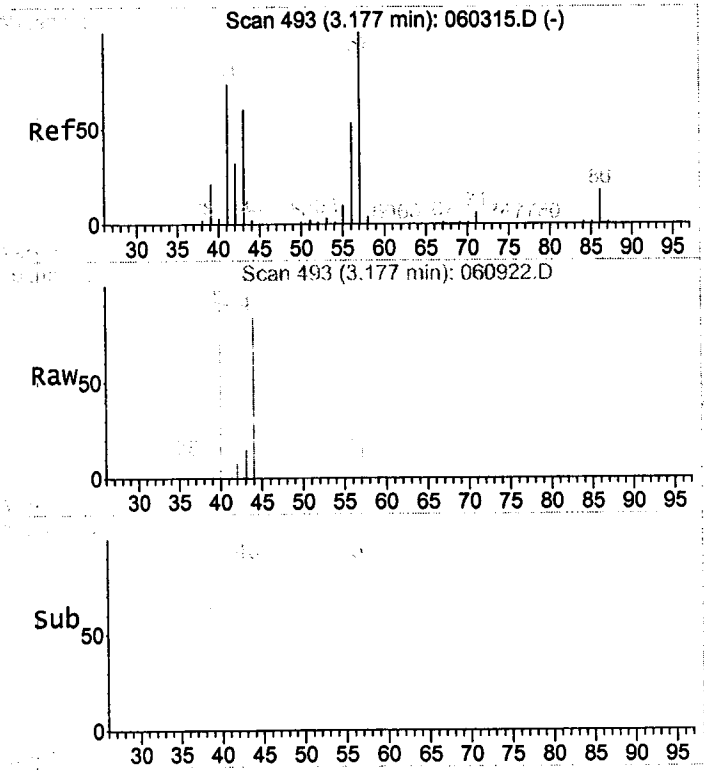


#11
Acetone
Concen: 0.64 ppb
RT: 2.34 min Scan# 334
Delta R.T. -0.00 min
Lab File: 060922.D
Acq: 9 Jun 2015 6:33 pm

Tgt Ion: 58 Resp: 520

Ion	Ratio	Lower	Upper
58	100		
43	242.7	293.1	353.1#

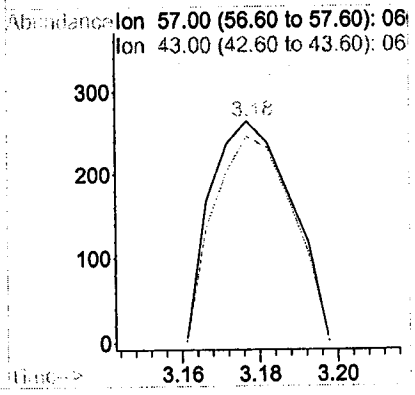


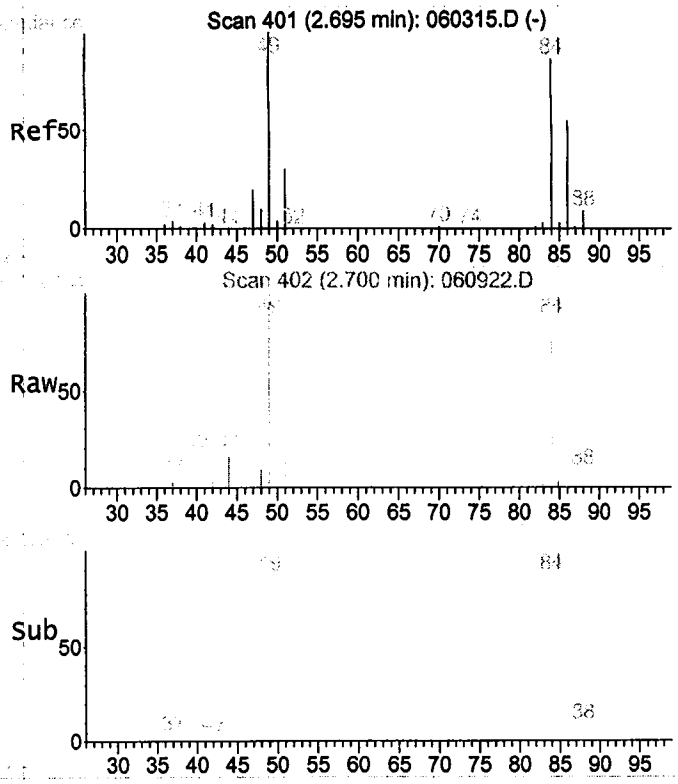


#13
Hexane
Concen: 0.04 ppb
RT: 3.18 min Scan# 493
Delta R.T. -0.00 min
Lab File: 060922.D
Acq: 9 Jun 2015 6:33 pm

Tgt Ion: 57 Resp: 378

Ion	Ratio	Lower	Upper
57	100		
43	93.2	30.1	90.1#
86	0.0	0.0	48.2

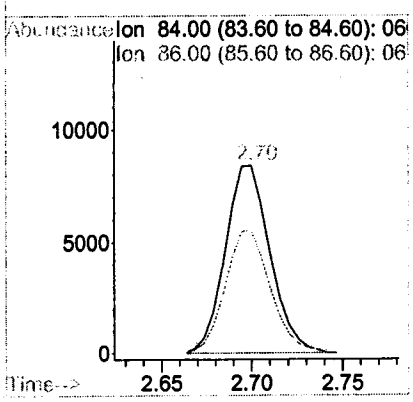


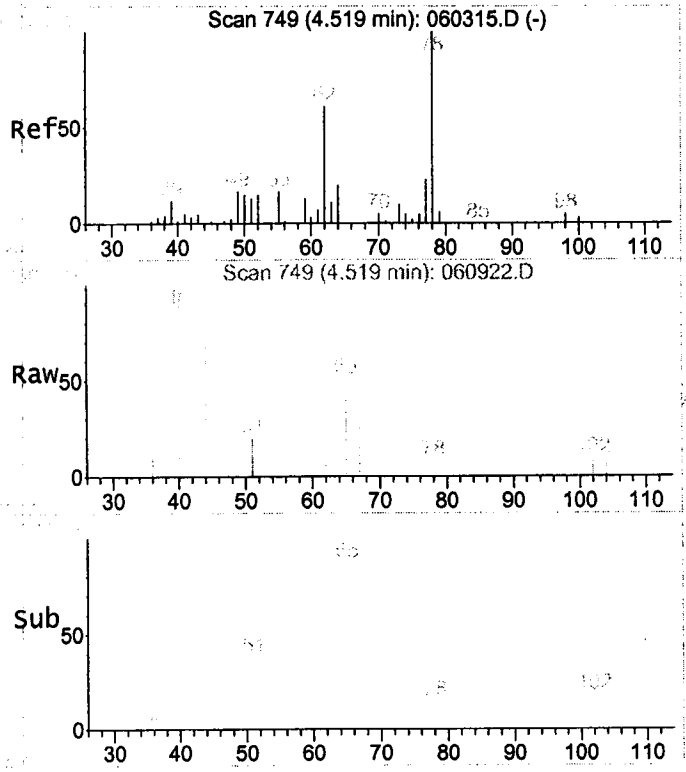


#14
Methylene chloride
Concen: Below Cal
RT: 2.70 min Scan# 402
Delta R.T. 0.01 min
Lab File: 060922.D
Acq: 9 Jun 2015 6:33 pm

Tgt Ion: 84 Resp: 14509

Ion	Ratio	Lower	Upper
84	100		
86	65.8	33.3	93.3
49	114.1	86.2	146.2

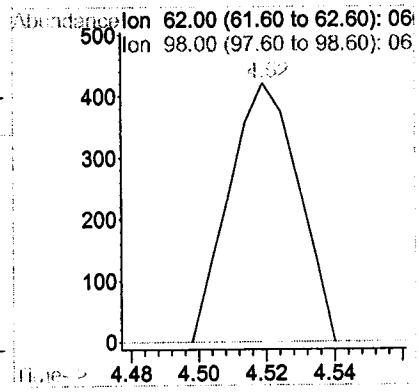


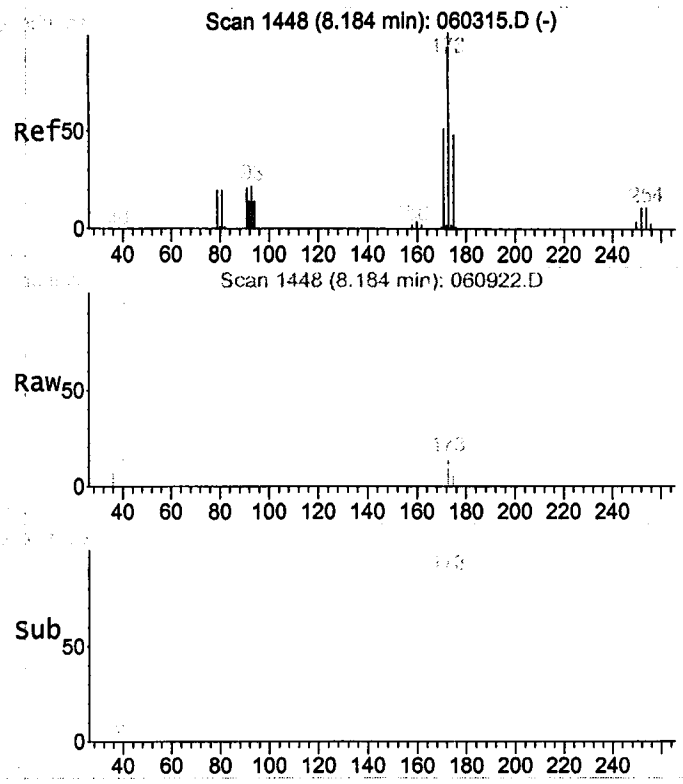


#26
1,2-Dichloroethane (EDC)
Concen: 0.05 ppb
RT: 4.52 min Scan# 749
Delta R.T. -0.00 min
Lab File: 060922.D
Acq: 9 Jun 2015 6:33 pm

Tgt Ion: 62 Resp: 595

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	38.9

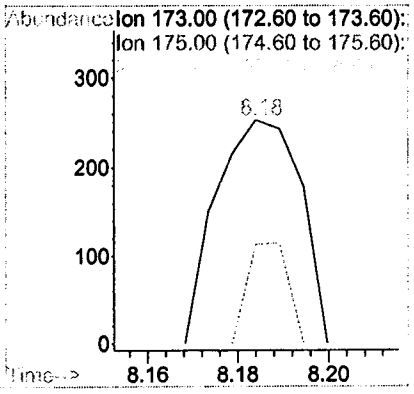


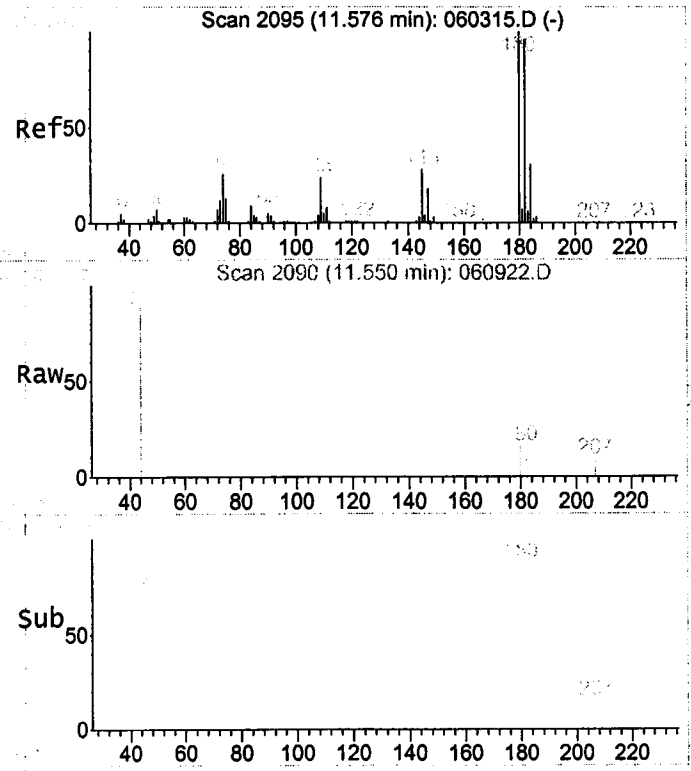


#55
Bromoform
Concen: 0.06 ppb
RT: 8.18 min Scan# 1448
Delta R.T. -0.00 min
Lab File: 060922.D
Acq: 9 Jun 2015 6:33 pm

Tgt Ion:173 Resp: 328

Ion	Ratio	Lower	Upper
173	100		
175	44.7	18.2	78.2
254	0.0	0.0	40.6

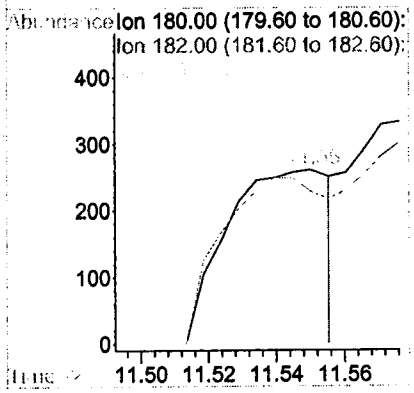


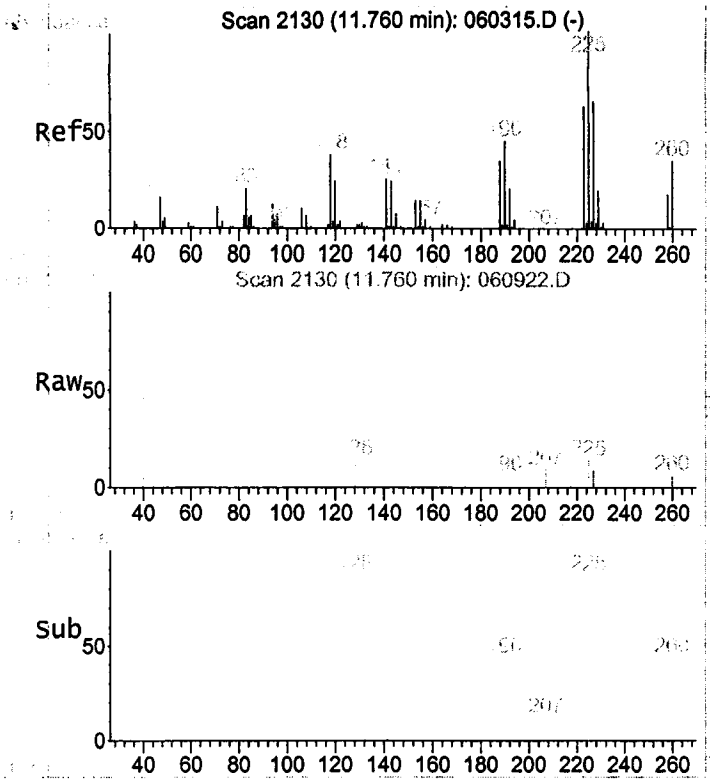


#73
1,2,4-Trichlorobenzene
Concen: 0.05 ppb
RT: 11.55 min Scan# 2090
Delta R.T. -0.03 min
Lab File: 060922.D
Acq: 9 Jun 2015 6:33 pm

Tgt Ion:180 Resp: 547

Ion	Ratio	Lower	Upper
180	100		
182	87.4	65.8	125.8
145	0.0	0.0	58.5

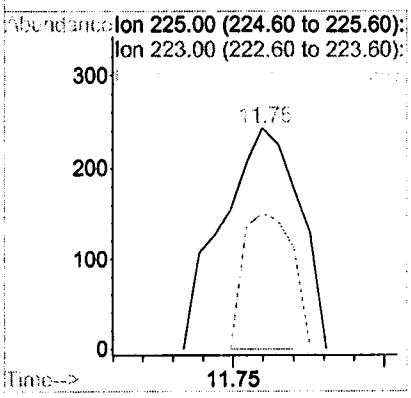


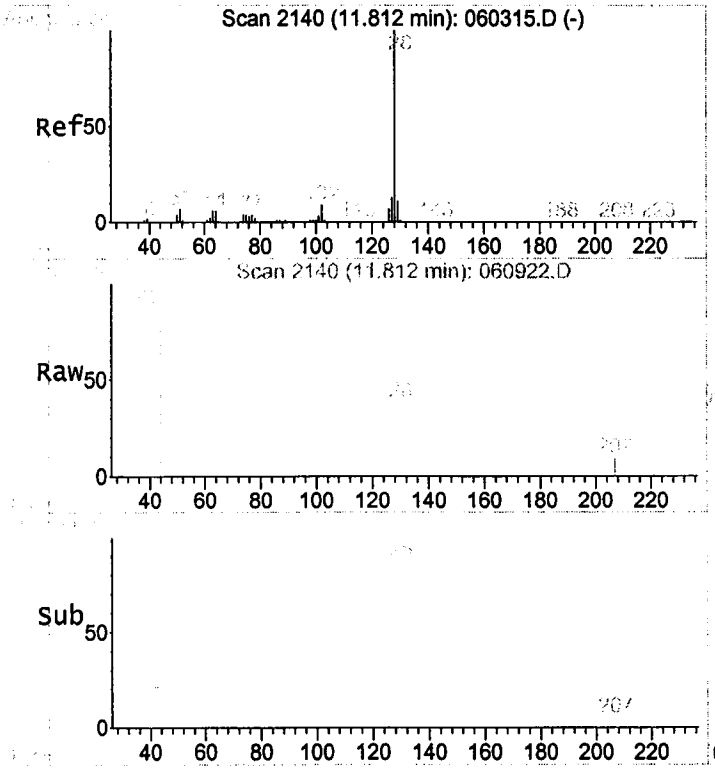


#74
Hexachlorobutadiene
Concen: 0.07 ppb
RT: 11.76 min Scan# 2130
Delta R.T. -0.00 min
Lab File: 060922.D
Acq: 9 Jun 2015 6:33 pm

Tgt Ion:225 Resp: 431

Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.3	92.3
227	62.7	34.7	94.7

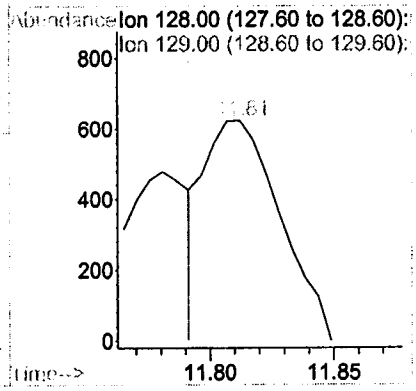


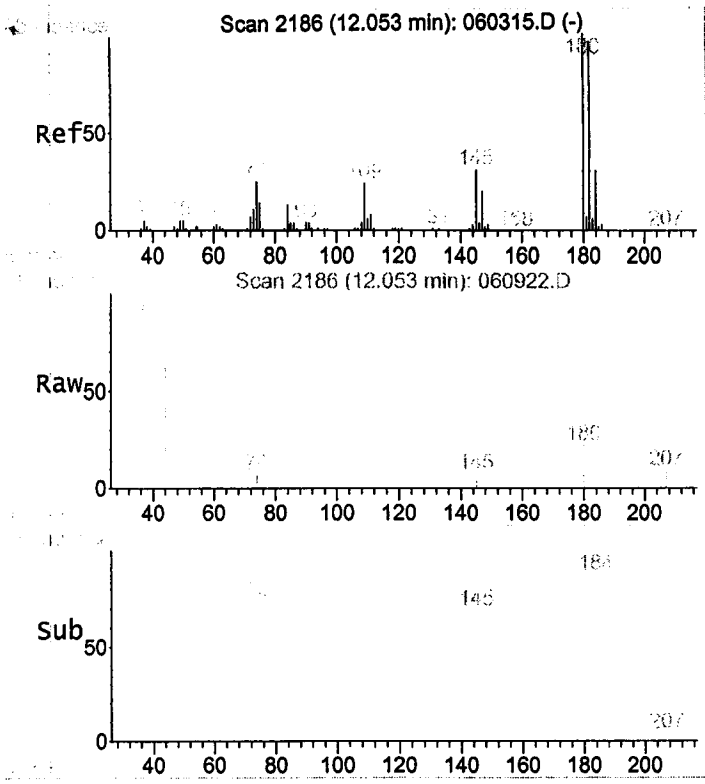


#75
Naphthalene
Concen: 0.06 ppb
RT: 11.81 min Scan# 2140
Delta R.T. 0.00 min
Lab File: 060922.D
Acq: 9 Jun 2015 6:33 pm

Tgt Ion:128 Resp: 1335

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	41.1
127	0.0	0.0	42.6

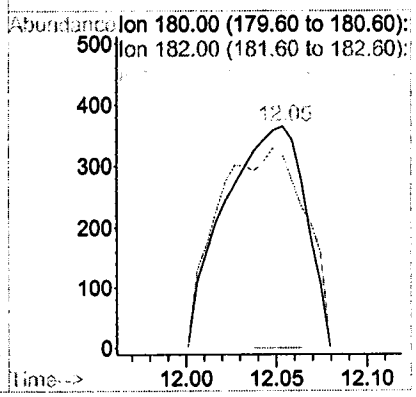




#76
1,2,3-Trichlorobenzene
Concen: 0.11 ppb
RT: 12.05 min Scan# 2186
Delta R.T. -0.00 min
Lab File: 060922.D
Acq: 9 Jun 2015 6:33 pm

Tgt Ion:180 Resp: 1129

Ion	Ratio	Lower	Upper
180	100		
182	87.4	65.8	125.8
145	29.9	0.7	60.7



Quantitation Report (QT Reviewed)

Data File : P:\06-09-15\060919.D
Acq On : 9 Jun 2015 5:26 pm
Sample : 506191-01 ms
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:23 2015

Vial: 19
Operator: JS
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	4.74	96	1095246	50.00	ppb		0.00
39) Chlorobenzene-d5	7.40	117	806113	50.00	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.61	152	446292	50.00	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	315755	50.06	ppb		0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 100.12%				
30) 1,2-Dichloroethane-d4	4.46	102	73528	49.33	ppb		0.00
Spiked Amount 50.000	Range 94 - 108		Recovery = 98.66%				
35) Toluene-d8	6.10	98	1044738	51.25	ppb		0.00
Spiked Amount 50.000	Range 91 - 107		Recovery = 102.50%				
57) 4-Bromofluorobenzene	8.50	95	400304	50.58	ppb		0.00
Spiked Amount 50.000	Range 91 - 110		Recovery = 101.16%				
Target Compounds							Qvalue
2) Ethanol	2.02	45	302018	2413.99	ppb		99
4) Dichlorodifluoromethane	1.14	85	473520	70.42	ppb		99
5) Chloromethane	1.25	50	425756	56.10	ppb		99
6) Vinyl chloride	1.34	62	460484	53.73	ppb		100
7) Bromomethane	1.58	94	255561	152.18	ppb		100
8) Chloroethane	1.66	64	239812	79.22	ppb		100
9) Trichlorofluoromethane	1.87	101	550873	55.65	ppb		100
10) 2-Propanol	2.47	45	161607	267.78	ppb		100
11) Acetone	2.34	58	205407	231.94	ppb		100
12) 1,1-Dichloroethene	2.29	96	366574	48.86	ppb		100
13) Hexane	3.18	57	494872	50.23	ppb		99
14) Methylene chloride	2.69	84	410953	52.13	ppb		98
15) t-Butyl alcohol (TBA)	2.82	59	2929707	2736.32	ppb		94
16) Methyl t-butyl ether (MTBE	2.95	73	1050525	53.45	ppb		98
17) trans-1,2-Dichloroethene	2.93	96	398767	48.84	ppb		100
18) Diisopropyl ether (DIPE)	3.36	45	1005112	50.97	ppb		99
19) 1,1-Dichloroethane	3.29	63	664530	46.95	ppb		99
20) Ethyl t-butyl ether (ETBE)	3.67	87	406686	56.34	ppb		96
21) 2,2-Dichloropropane	3.77	77	291036	49.29	ppb		100
22) cis-1,2-Dichloroethene	3.77	96	431298	48.94	ppb		99
23) Chloroform	4.04	83	709357	46.67	ppb		100
24) 2-Butanone (MEK)	3.79	72	310202	273.19	ppb		97
25) t-Amyl methyl ether (TAME)	4.61	73	905037	58.48	ppb		99
26) 1,2-Dichloroethane (EDC)	4.52	62	562075	44.64	ppb		99
27) 1,1,1-Trichloroethane	4.20	97	557687	49.53	ppb		99
28) 1,1-Dichloropropene	4.34	75	552040	50.83	ppb		99
29) Carbon tetrachloride	4.34	117	517681	50.94	ppb		99
31) Benzene	4.51	78	1492688	46.88	ppb		99
32) Trichloroethene	5.05	95	415449	47.04	ppb		98
33) 1,2-Dichloropropane	5.24	63	360544	48.83	ppb		100
34) Bromodichloromethane	5.47	83	520149	49.46	ppb		99
36) Dibromomethane	5.34	93	275782	47.08	ppb		97
37) 4-Methyl-2-pentanone	6.01	100	381968	297.71	ppb	#	91
38) cis-1,3-Dichloropropene	5.87	75	544831	54.22	ppb		98
40) Toluene	6.16	92	924101	46.77	ppb		99
41) trans-1,3-Dichloropropene	6.35	75	475524	55.69	ppb		98
42) 1,1,2-Trichloroethane	6.51	83	304168	47.13	ppb		99
43) 2-Hexanone	6.75	43	1625083	283.10	ppb		100
44) 1,3-Dichloropropane	6.66	76	587931	47.21	ppb		99
45) Tetrachloroethene	6.65	164	359013	47.37	ppb		99
46) Dibromochloromethane	6.87	129	426635	50.93	ppb		99

(#) = qualifier out of range (m) = manual integration

Data File : P:\06-09-15\060919.D
Acq On : 9 Jun 2015 5:26 pm
Sample : 506191-01 ms
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:23 2015

Vial: 19
Operator: JS
Inst : GCMS7
Multiplr: 1.00
Quant Results File: VB060315.RES

Quant Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47)	1,2-Dibromoethane (EDB)	6.97	107	392085	49.67	ppb	99
48)	Chlorobenzene	7.42	112	1062758	44.86	ppb	99
49)	Ethylbenzene	7.53	91	1733437	50.51	ppb	99
50)	1,1,1,2-Tetrachloroethane	7.50	131	356965	50.05	ppb	99
51)	m,p-Xylene	7.64	106	1341530	105.46	ppb	99
52)	o-Xylene	8.01	106	663815	55.64	ppb	97
53)	Styrene	8.02	104	1100489	56.88	ppb	98
54)	Isopropylbenzene	8.36	105	1701845	56.85	ppb	100
55)	Bromoform	8.18	173	306482	51.30	ppb	99
58)	n-Propylbenzene	8.76	91	1985020	50.25	ppb	99
59)	Bromobenzene	8.64	156	472919	46.82	ppb	97
60)	1,3,5-Trimethylbenzene	8.93	105	1387408	53.04	ppb	99
61)	1,1,2,2-Tetrachloroethane	8.64	83	557502	45.95	ppb	100
62)	1,2,3-Trichloropropane	8.68	75	423565	46.31	ppb	99
63)	2-Chlorotoluene	8.83	91	1178604	47.59	ppb	99
64)	4-Chlorotoluene	8.93	91	1410465	49.54	ppb	99
65)	tert-Butylbenzene	9.24	119	1211436	55.69	ppb	98
66)	1,2,4-Trimethylbenzene	9.29	105	1414786	54.70	ppb	99
67)	sec-Butylbenzene	9.45	105	1804930	54.51	ppb	99
68)	p-Isopropyltoluene	9.60	119	1525648	53.33	ppb	100
69)	1,3-Dichlorobenzene	9.55	146	862015	46.24	ppb	100
70)	1,4-Dichlorobenzene	9.64	146	879354	44.77	ppb	100
71)	1,2-Dichlorobenzene	9.99	146	839866	45.43	ppb	99
72)	1,2-Dibromo-3-chloropropan	10.75	75	103124	53.92	ppb	96
73)	1,2,4-Trichlorobenzene	11.58	180	593750	48.53	ppb	99
74)	Hexachlorobutadiene	11.76	225	297246	42.76	ppb	99
75)	Naphthalene	11.81	128	1562759	53.18	ppb	100
76)	1,2,3-Trichlorobenzene	12.05	180	582438	48.79	ppb	100

(#) = qualifier out of range (m) = manual integration

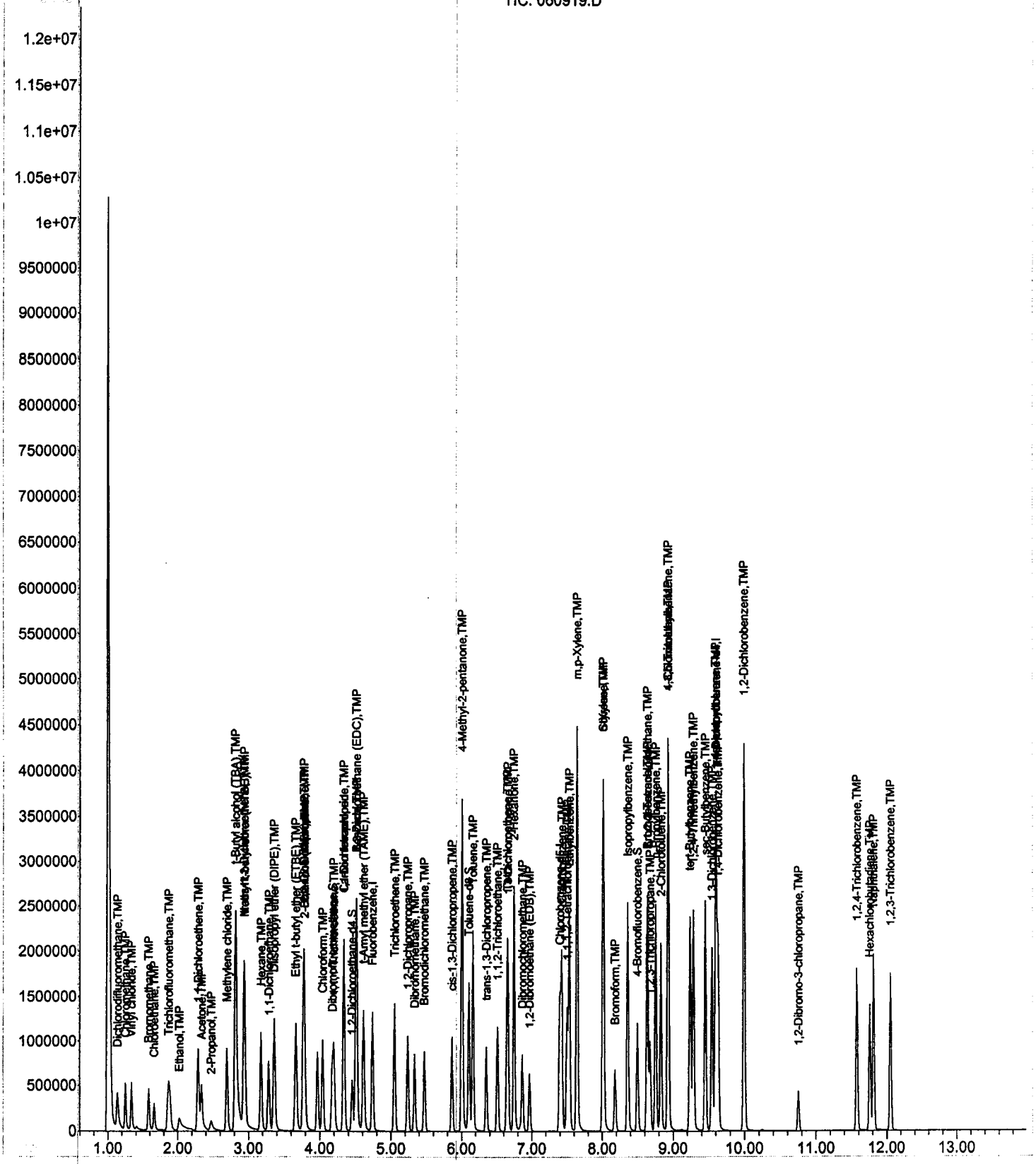
Data File : P:\06-09-15\060919.D
Acq On : 9 Jun 2015 5:26 pm
Sample : 506191-01 ms
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 9:23 2015

Vial: 19
Operator: JS
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : R:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration

TIC: 060919.D



EPA 8260C
Sample Data

F&B Project 506112

Quantitation Report (QT Reviewed)

Data File : K:\06-10-15\061006.D
Acq On : 10 Jun 2015 9:17 am
Sample : 506112-01
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 17:35 2015

Vial: 6
Operator: VM
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.74	96	983568	50.00	ppb	0.00
39) Chlorobenzene-d5	7.40	117	727898	50.00	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.61	152	386017	50.00	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	300200	53.00	ppb	0.00
Spiked Amount 50.000	Range 0 - 1000		Recovery = 106.00%			
30) 1,2-Dichloroethane-d4	4.46	102	69666	52.05	ppb	0.00
Spiked Amount 50.000	Range 94 - 108		Recovery = 104.10%			
35) Toluene-d8	6.11	98	907381	49.57	ppb	0.00
Spiked Amount 50.000	Range 91 - 107		Recovery = 99.14%			
57) 4-Bromofluorobenzene	8.50	95	335989	49.08	ppb	0.00
Spiked Amount 50.000	Range 91 - 110		Recovery = 98.16%			
Target Compounds						Qvalue
2) Ethanol	0.00	45	0	N.D.	d	
4) Dichlorodifluoromethane	0.00	85	0	N.D.		
5) Chloromethane	1.25	50	962	0.141	ppb	96
6) Vinyl chloride	0.00	62	0	N.D.		
7) Bromomethane	1.59	94	102	Below Cal	#	3
8) Chloroethane	0.00	64	0	N.D.		
9) Trichlorofluoromethane	0.00	101	0	N.D.		
10) 2-Propanol	2.47	45	7759	14.316	ppb	100
11) Acetone	2.34	58	860	1.081	ppb	97
12) 1,1-Dichloroethene	0.00	96	0	N.D.		
13) Hexane	3.18	57	280	0.032	ppb	76
14) Methylene chloride	2.70	84	1964	Below Cal		99
15) t-Butyl alcohol (TBA)	0.00	59	0	N.D.	d	
16) Methyl t-butyl ether (MTBE	0.00	73	0	N.D.		
17) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
18) Diisopropyl ether (DIPE)	0.00	45	0	N.D.		
19) 1,1-Dichloroethane	0.00	63	0	N.D.		
20) Ethyl t-butyl ether (ETBE)	0.00	87	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) Chloroform	4.04	83	153	N.D.		
24) 2-Butanone (MEK)	0.00	72	0	N.D.		
25) t-Amyl methyl ether (TAME)	0.00	73	0	N.D.		
26) 1,2-Dichloroethane (EDC)	4.52	62	592	0.052	ppb	75
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
28) 1,1-Dichloropropene	0.00	75	0	N.D.		
29) Carbon tetrachloride	0.00	117	0	N.D.		
31) Benzene	4.51	78	294	N.D.		
32) Trichloroethene	0.00	95	0	N.D.		
33) 1,2-Dichloropropane	0.00	63	0	N.D.		
34) Bromodichloromethane	0.00	83	0	N.D.		
36) Dibromomethane	0.00	93	0	N.D.		
37) 4-Methyl-2-pentanone	0.00	100	0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
40) Toluene	6.17	92	285	N.D.		
41) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
42) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
43) 2-Hexanone	0.00	43	0	N.D.		
44) 1,3-Dichloropropane	0.00	76	0	N.D.		
45) Tetrachloroethene	0.00	164	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : K:\06-10-15\061006.D
Acq On : 10 Jun 2015 9:17 am
Sample : 506112-01
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 17:35 2015

Vial: 6
Operator: VM
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Dibromochloromethane	0.00	129	0	N.D.			
47)	1,2-Dibromoethane (EDB)	0.00	107	0	N.D.			
48)	Chlorobenzene	7.42	112	64	N.D.			
49)	Ethylbenzene	7.64	91	582	N.D.			
50)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.			
51)	m,p-Xylene	7.64	106	214	N.D.			
52)	o-Xylene	0.00	106	0	N.D.			
53)	Styrene	0.00	104	0	N.D.			
54)	Isopropylbenzene	8.50	105	419	N.D.			
55)	Bromoform	8.18	173	323	0.060	ppb		92
58)	n-Propylbenzene	8.76	91	571	N.D.			
59)	Bromobenzene	0.00	156	0	N.D.			
60)	1,3,5-Trimethylbenzene	8.93	105	117	N.D.			
61)	1,1,2,2-Tetrachloroethane	8.50	83	163	N.D.			
62)	1,2,3-Trichloropropane	0.00	75	0	N.D.	d		
63)	2-Chlorotoluene	8.83	91	345	N.D.			
64)	4-Chlorotoluene	8.93	91	231	N.D.			
65)	tert-Butylbenzene	0.00	119	0	N.D.			
66)	1,2,4-Trimethylbenzene	9.28	105	445	N.D.			
67)	sec-Butylbenzene	9.45	105	311	N.D.			
68)	p-Isopropyltoluene	9.61	119	422	N.D.			
69)	1,3-Dichlorobenzene	9.55	146	195	N.D.			
70)	1,4-Dichlorobenzene	9.64	146	569	0.033	ppb	#	8
71)	1,2-Dichlorobenzene	9.99	146	64	N.D.			
72)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.			
73)	1,2,4-Trichlorobenzene	11.58	180	218	0.021	ppb		86
74)	Hexachlorobutadiene	11.76	225	218	0.036	ppb	#	18
75)	Naphthalene	11.81	128	715	0.032	ppb		69
76)	1,2,3-Trichlorobenzene	12.05	180	377	0.037	ppb	#	80

(#) = qualifier out of range (m) = manual integration

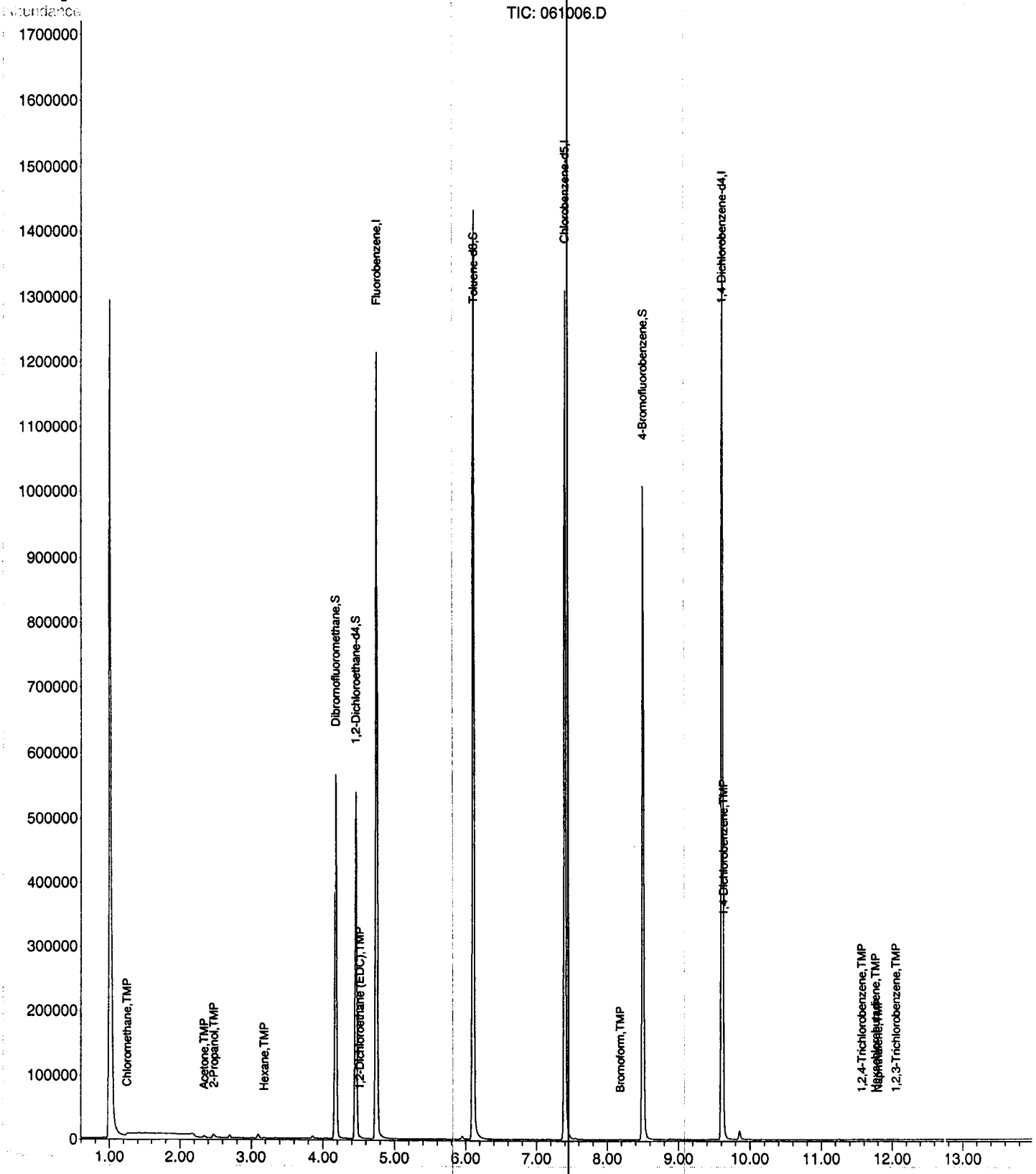
Quantitation Report

Data File : K:\06-10-15\061006.D
Acq On : 10 Jun 2015 9:17 am
Sample : 506112-01
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 17:35 2015

Vial: 6
Operator: VM
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : D:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : K:\06-10-15\061006.D
Acq On : 10 Jun 2015 9:17 am
Sample : 506112-01
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 17:35 2015

Vial: 6
Operator: VM
Inst : GCMS7
Multiplr: 1.00
Quant Results File: VB060315.RES

Quant Method : D:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration
DataAcq Meth : 826075

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	4.74	96	983568	50.00	ppb		0.00
39) Chlorobenzene-d5	7.40	117	727898	50.00	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.61	152	386017	50.00	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	300200	53.00	ppb		0.00
Spiked Amount 50.000	Range 0 - 1000			Recovery = 106.00%			
30) 1,2-Dichloroethane-d4	4.46	102	69666	52.05	ppb		0.00
Spiked Amount 50.000	Range 94 - 108			Recovery = 104.10%			
35) Toluene-d8	6.11	98	907381	49.57	ppb		0.00
Spiked Amount 50.000	Range 91 - 107			Recovery = 99.14%			
57) 4-Bromofluorobenzene	8.50	95	335989	49.08	ppb		0.00
Spiked Amount 50.000	Range 91 - 110			Recovery = 98.16%			
Target Compounds							Qvalue
5) Chloromethane	1.25	50	962	0.141	ppb		96
7) Bromomethane	1.59	94	102	Below Cal		#	3
10) 2-Propanol	2.47	45	7759	14.316	ppb		100
11) Acetone	2.34	58	860	1.081	ppb		97
13) Hexane	3.18	57	280	0.032	ppb		76
14) Methylene chloride	2.70	84	1964	Below Cal			99
26) 1,2-Dichloroethane (EDC)	4.52	62	592	0.052	ppb		75
55) Bromoform	8.18	173	323	0.060	ppb		92
70) 1,4-Dichlorobenzene	9.64	146	569	0.033	ppb	#	8
73) 1,2,4-Trichlorobenzene	11.58	180	218	0.021	ppb		86
74) Hexachlorobutadiene	11.76	225	218	0.036	ppb	#	18
75) Naphthalene	11.81	128	715	0.032	ppb		69
76) 1,2,3-Trichlorobenzene	12.05	180	377	0.037	ppb	#	80

(#) = qualifier out of range (m) = manual integration

Quantitation Report

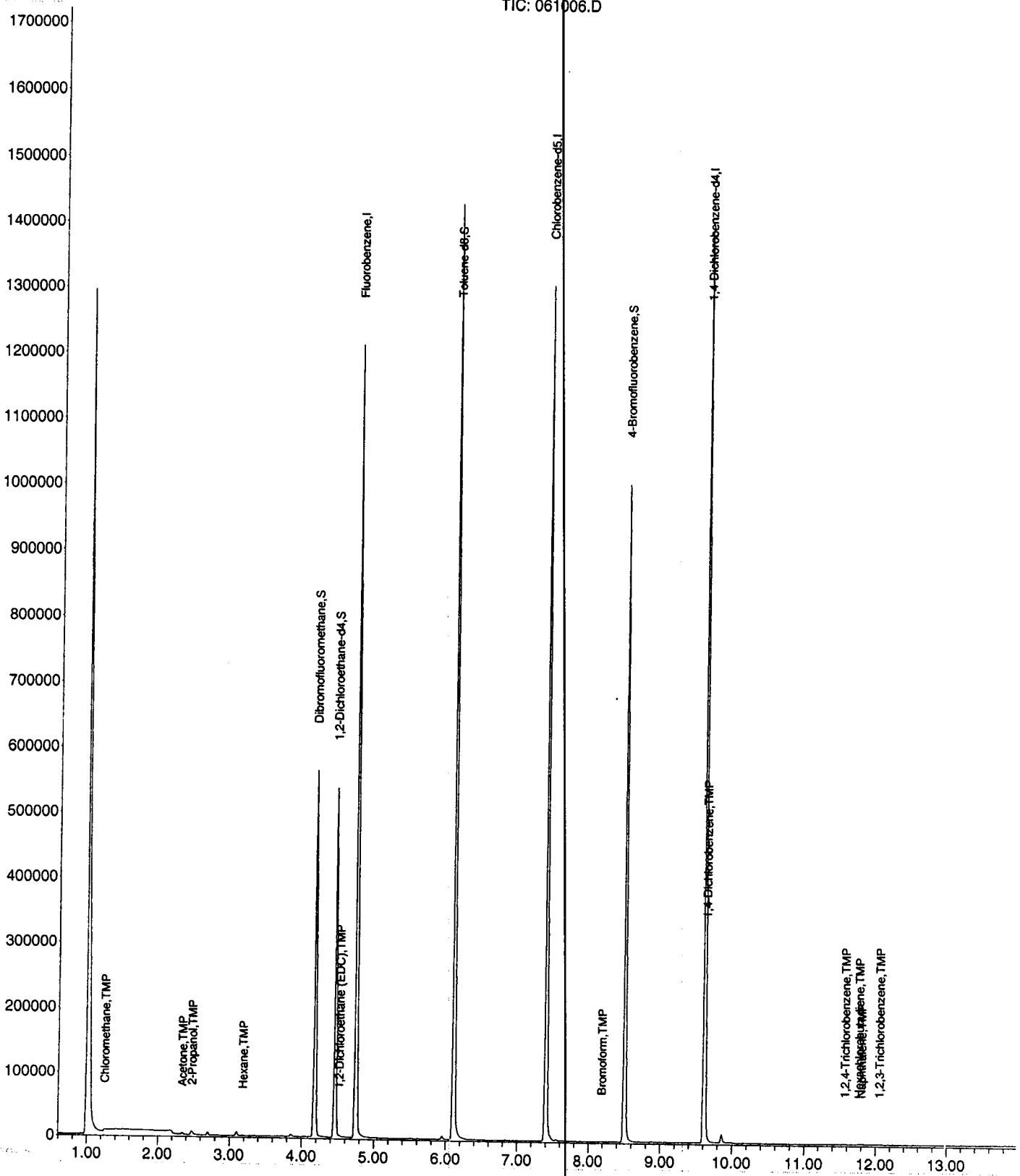
Data File : K:\06-10-15\061006.D
Acq On : 10 Jun 2015 9:17 am
Sample : 506112-01
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 17:35 2015

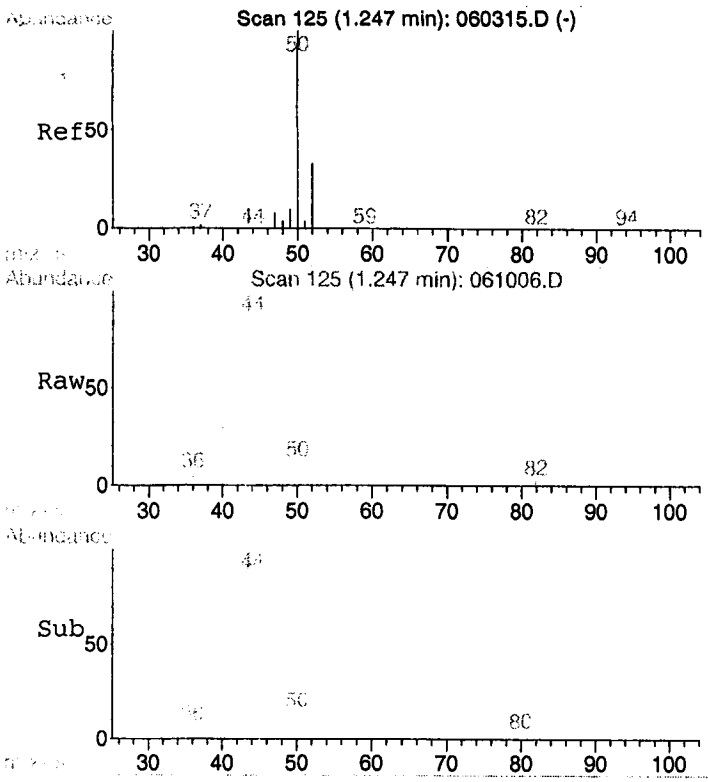
Vial: 6
Operator: VM
Inst : GCMS7
Multiplr: 1.00

Quant Results File: VB060315.RES

Method : D:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Initial Calibration

TIC: 061006.D

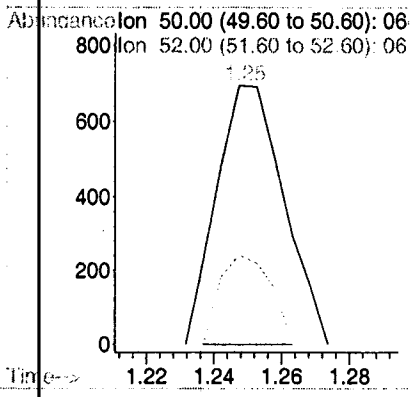


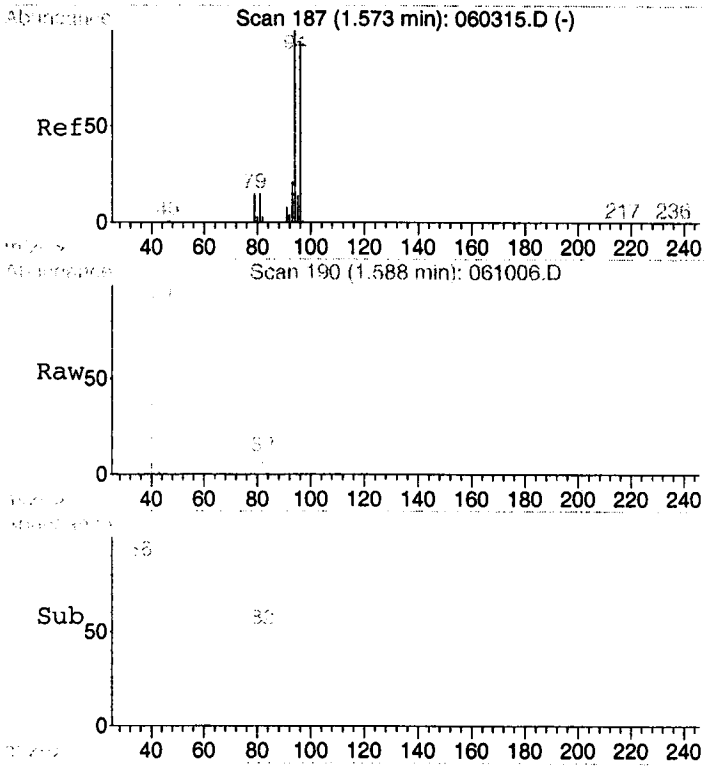


#5
Chloromethane
Concen: 0.14 ppb
RT: 1.25 min Scan# 125
Delta R.T. -0.00 min
Lab File: 061006.D
Acq: 10 Jun 2015 9:17 am

Tgt Ion: 50 Resp: 962

Ion	Ratio	Lower	Upper
50	100		
52	35.0	2.8	62.8

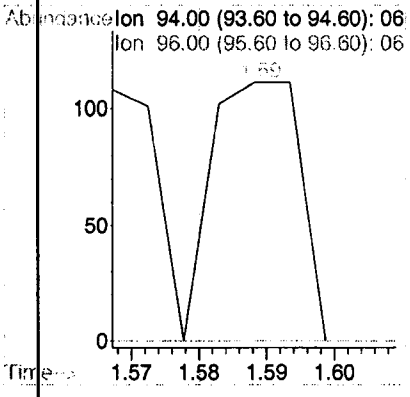


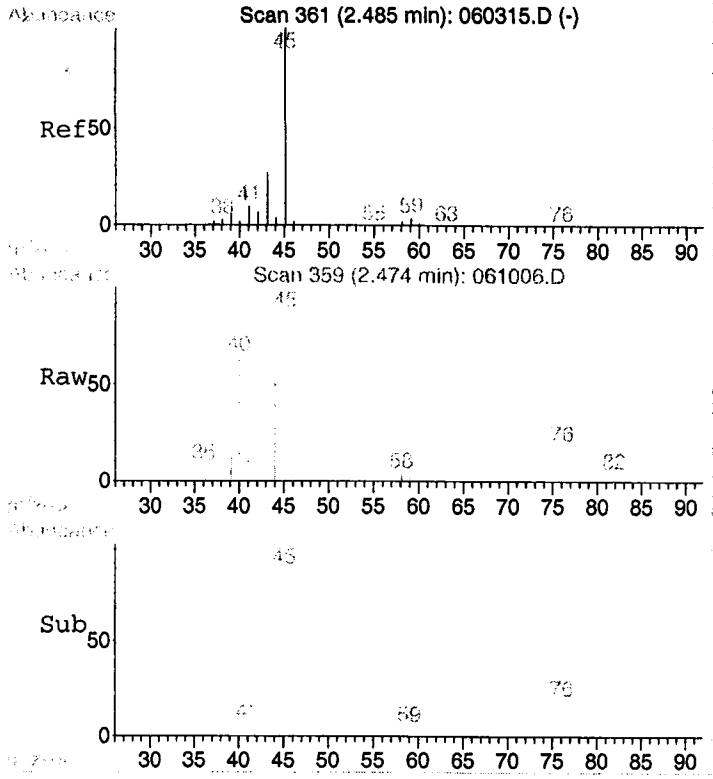


#7
Bromomethane
Concen: Below Cal
RT: 1.59 min Scan# 190
Delta R.T. 0.02 min
Lab File: 061006.D
Acq: 10 Jun 2015 9:17 am

Tgt Ion: 94 Resp: 102

Ion	Ratio	Lower	Upper
94	100		
96	0.0	64.3	124.3#

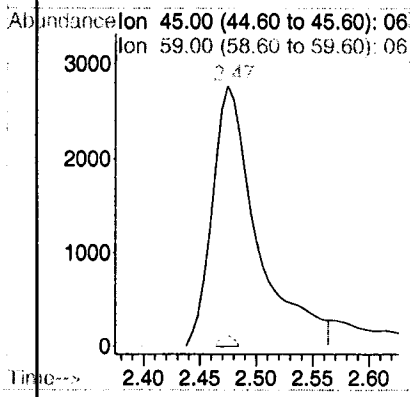


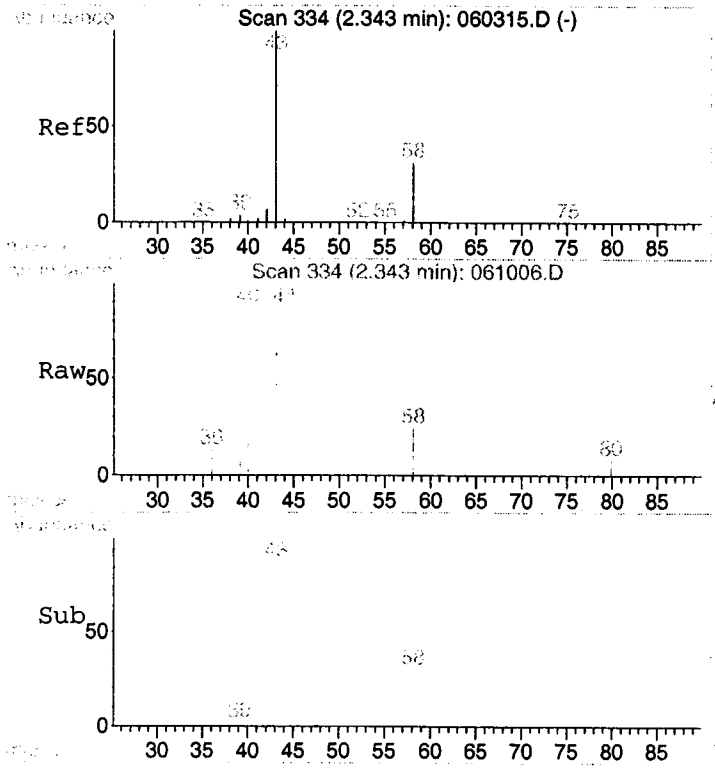


#10
2-Propanol
Concen: 14.32 ppb
RT: 2.47 min Scan# 359
Delta R.T. -0.01 min
Lab File: 061006.D
Acq: 10 Jun 2015 9:17 am

Tgt Ion: 45 Resp: 7759

Ion	Ratio	Lower	Upper
45	100		
59	4.3	0.0	34.4

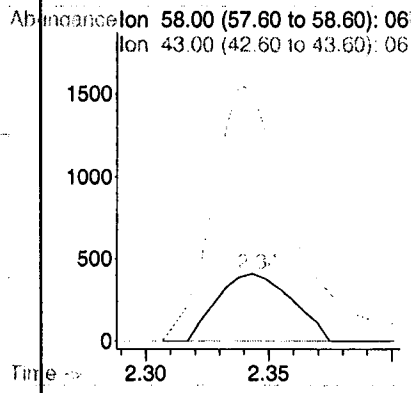


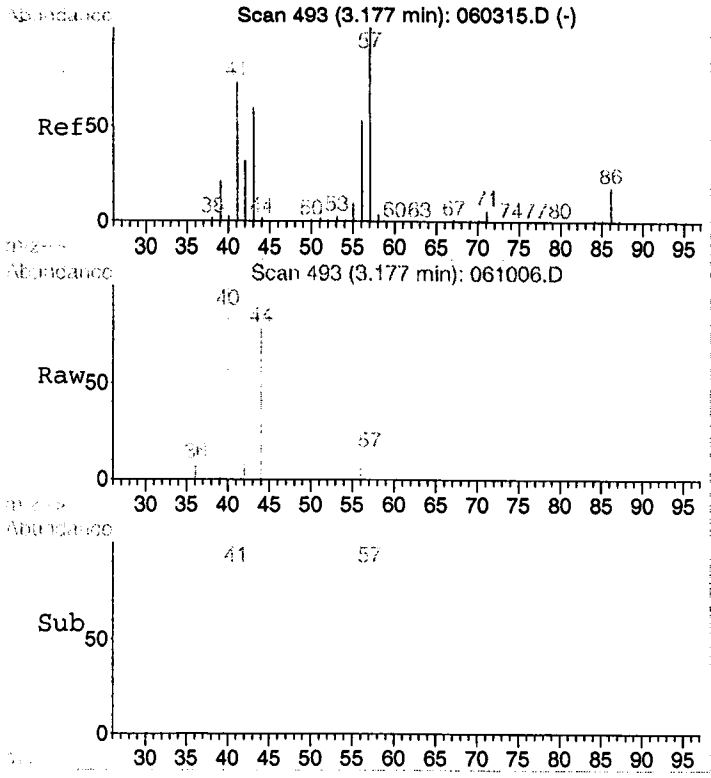


#11
Acetone
Concen: 1.08 ppb
RT: 2.34 min Scan# 334
Delta R.T. -0.00 min
Lab File: 061006.D
Acq: 10 Jun 2015 9:17 am

Tgt Ion: 58 Resp: 860

Ion	Ratio	Lower	Upper
58	100		
43	317.8	293.1	353.1

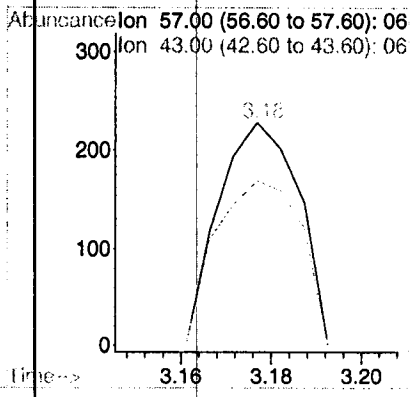


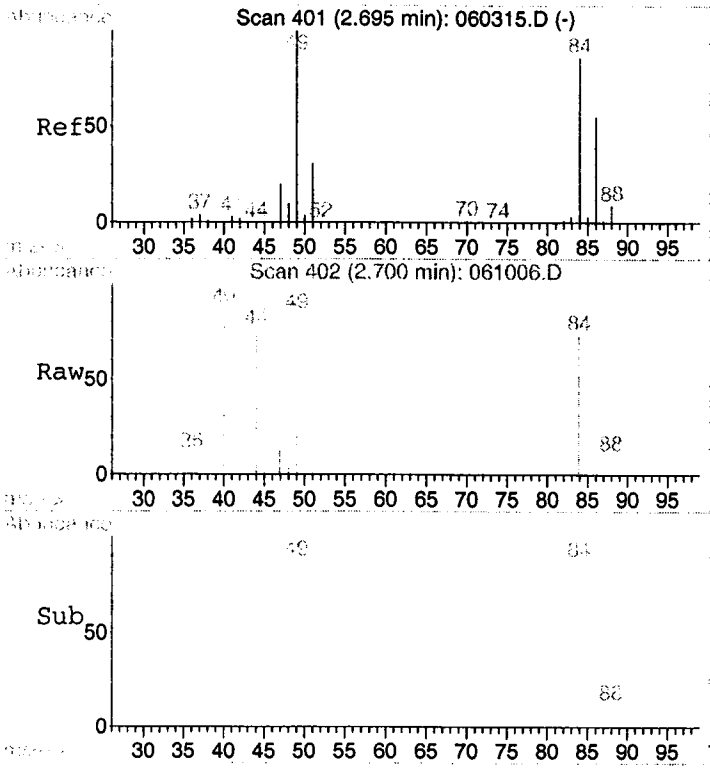


#13
Hexane
Concen: 0.03 ppb
RT: 3.18 min Scan# 493
Delta R.T. -0.00 min
Lab File: 061006.D
Acq: 10 Jun 2015 9:17 am

Tgt Ion: 57 Resp: 280

Ion	Ratio	Lower	Upper
57	100		
43	74.1	30.1	90.1
86	0.0	0.0	48.2

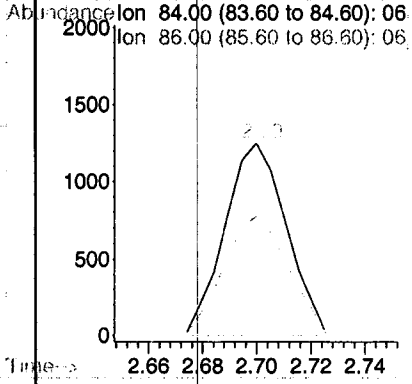


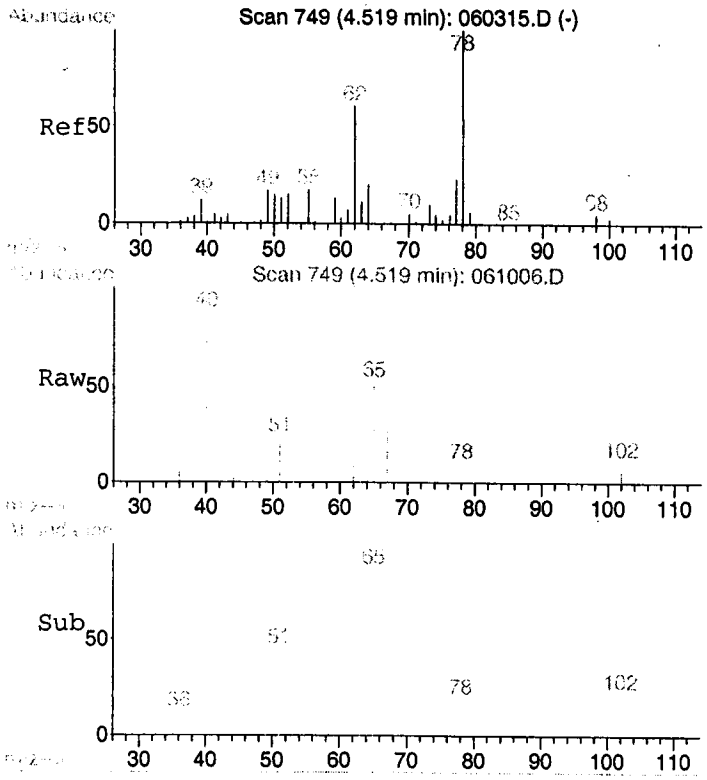


#14
Methylene chloride
Concen: Below Cal
RT: 2.70 min Scan# 402
Delta R.T. 0.01 min
Lab File: 061006.D
Acq: 10 Jun 2015 9:17 am

Tgt Ion: 84 Resp: 1964

Ion	Ratio	Lower	Upper
84	100		
86	61.6	33.3	93.3
49	115.4	86.2	146.2

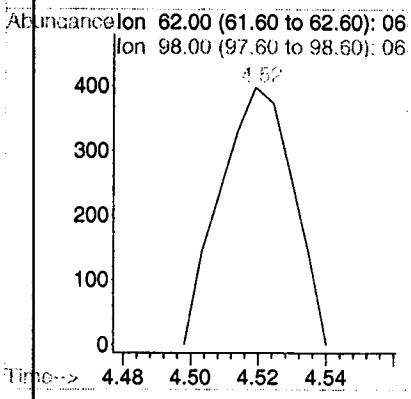


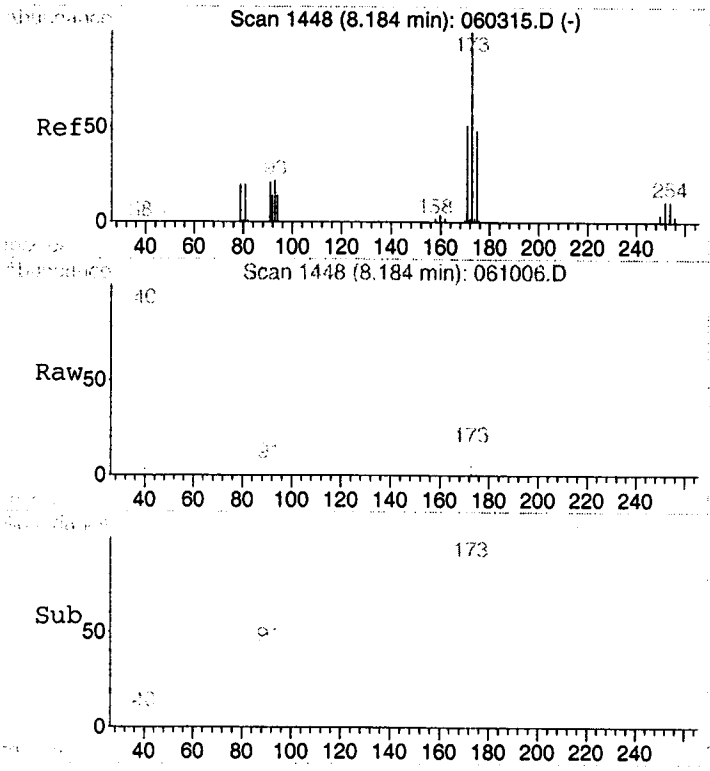


#26
1,2-Dichloroethane (EDC)
Concen: 0.05 ppb
RT: 4.52 min Scan# 749
Delta R.T. -0.00 min
Lab File: 061006.D
Acq: 10 Jun 2015 9:17 am

Tgt Ion: 62 Resp: 592

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	38.9

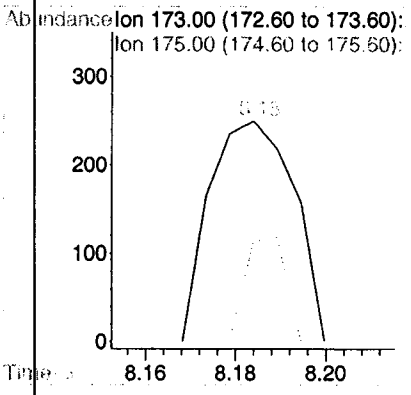


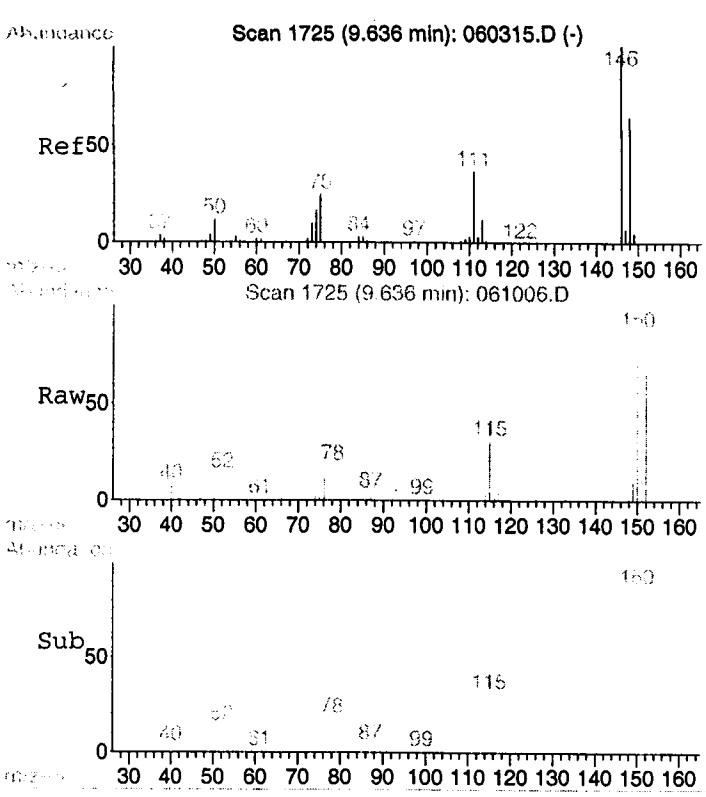


#55
Bromoform
Concen: 0.06 ppb
RT: 8.18 min Scan# 1448
Delta R.T. -0.00 min
Lab File: 061006.D
Acq: 10 Jun 2015 9:17 am

Tgt Ion:173 Resp: 323

Ion	Ratio	Lower	Upper
173	100		
175	45.6	18.2	78.2
254	0.0	0.0	40.6

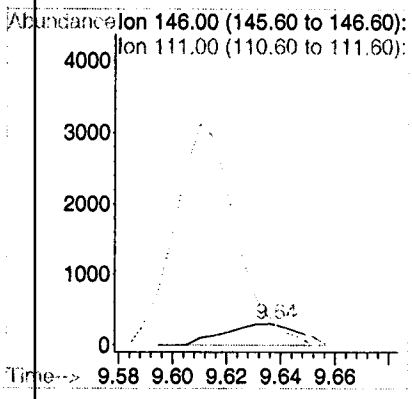


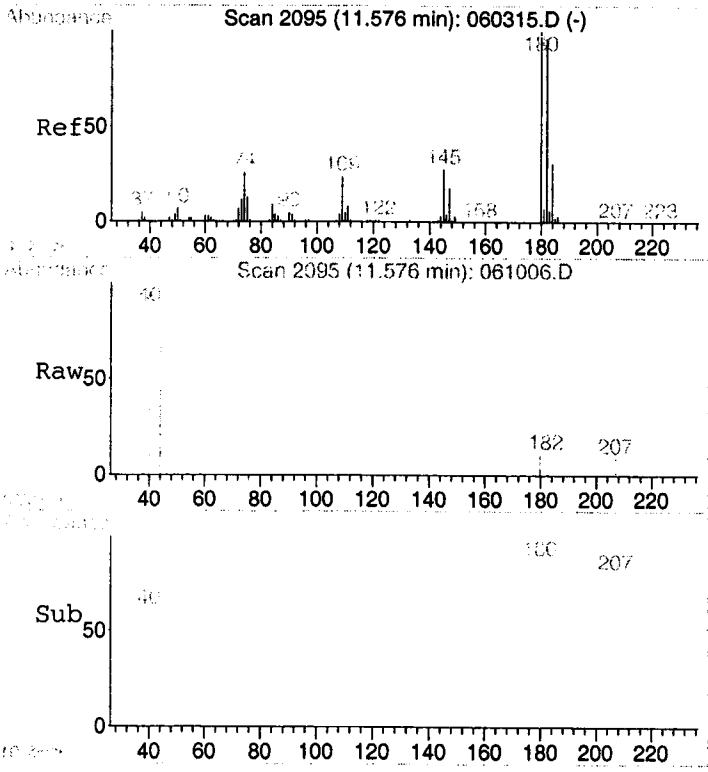


#70
1,4-Dichlorobenzene
Concen: 0.03 ppb
RT: 9.64 min Scan# 1725
Delta R.T. -0.00 min
Lab File: 061006.D
Acq: 10 Jun 2015 9:17 am

Tgt Ion:146 Resp: 569

Ion	Ratio	Lower	Upper
146	100		
111	112.0	7.5	67.5#
148	121.4	34.2	94.2#

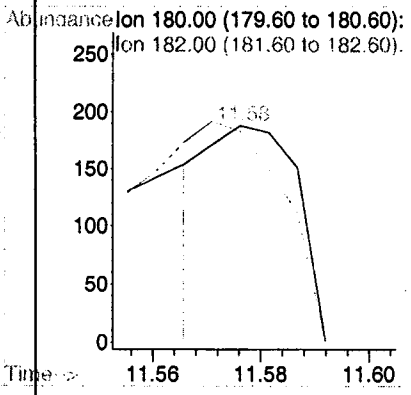


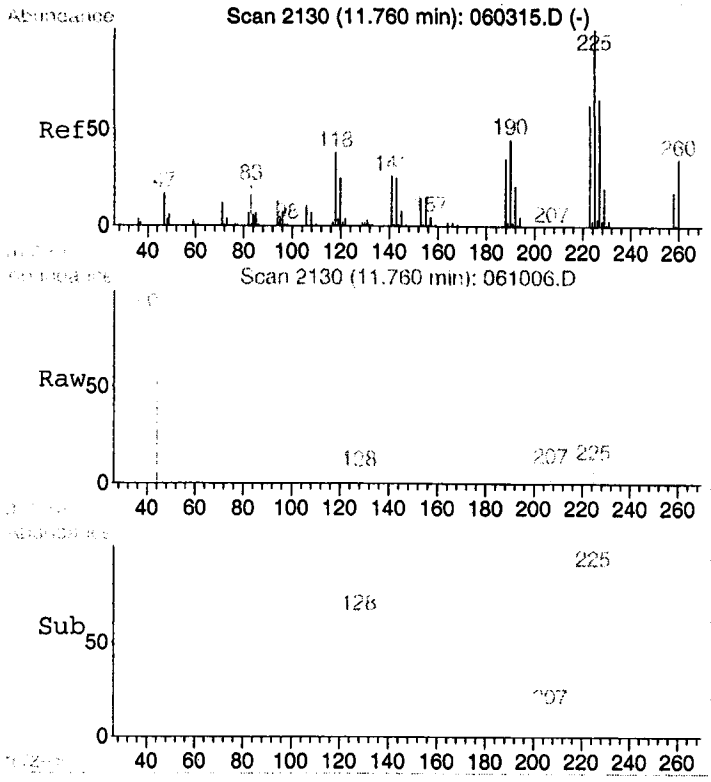


#73
1,2,4-Trichlorobenzene
Concen: 0.02 ppb
RT: 11.58 min Scan# 2095
Delta R.T. -0.00 min
Lab File: 061006.D
Acq: 10 Jun 2015 9:17 am

Tgt Ion:180 Resp: 218

Ion	Ratio	Lower	Upper
180	100		
182	97.3	65.8	125.8
145	0.0	0.0	58.5

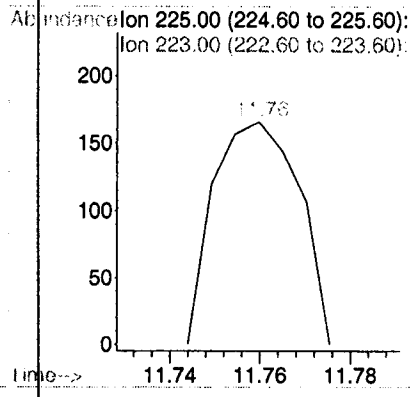


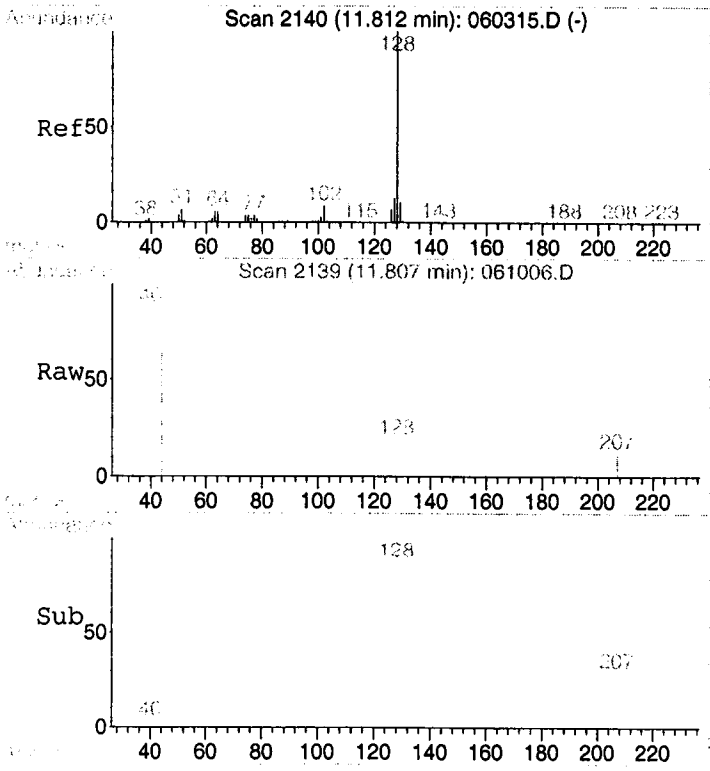


#74
Hexachlorobutadiene
Concen: 0.04 ppb
RT: 11.76 min Scan# 2130
Delta R.T. -0.00 min
Lab File: 061006.D
Acq: 10 Jun 2015 9:17 am

Tgt Ion:225 Resp: 218

Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.3	92.3#
227	0.0	34.7	94.7#

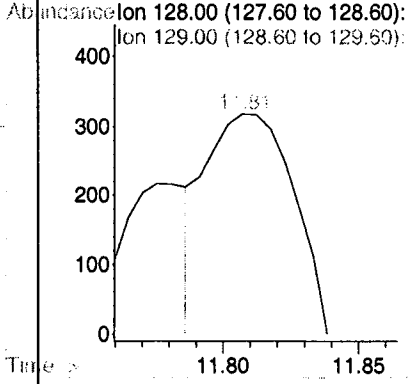


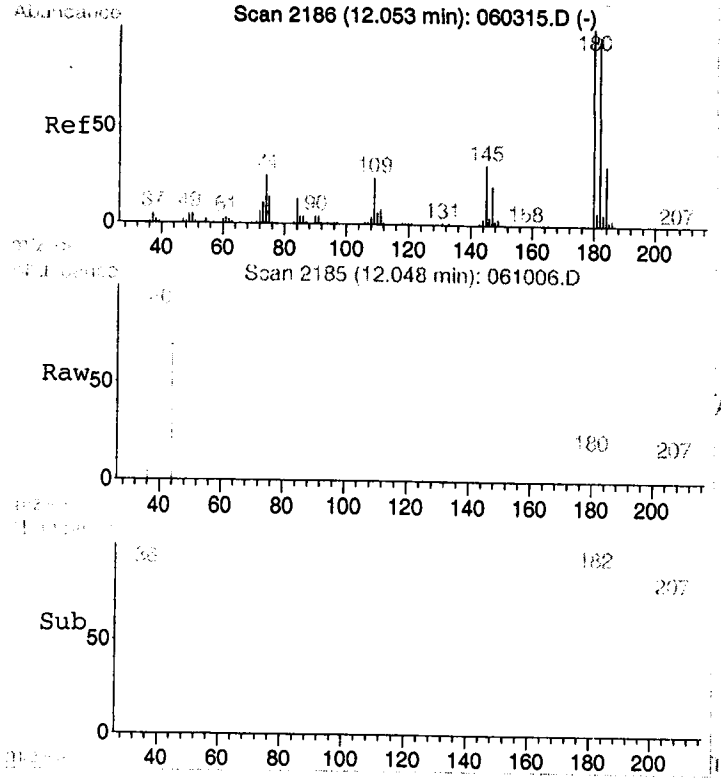


#75
Naphthalene
Concen: 0.03 ppb
RT: 11.81 min Scan# 2139
Delta R.T. -0.01 min
Lab File: 061006.D
Acq: 10 Jun 2015 9:17 am

Tgt Ion:128 Resp: 715

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	41.1
127	0.0	0.0	42.6

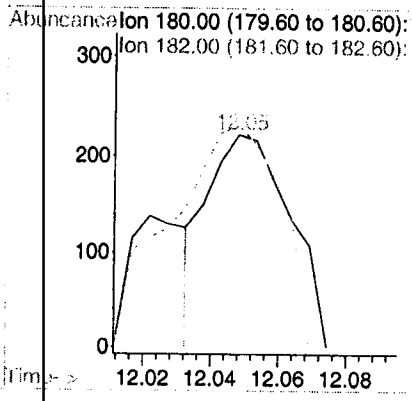




#76
1,2,3-Trichlorobenzene
Concen: 0.04 ppb
RT: 12.05 min Scan# 2185
Delta R.T. -0.01 min
Lab File: 061006.D
Acq: 10 Jun 2015 9:17 am

Tgt Ion:180 Resp: 377

Ion	Ratio	Lower	Upper
180	100		
182	104.1	65.8	125.8
145	0.0	0.7	60.7#



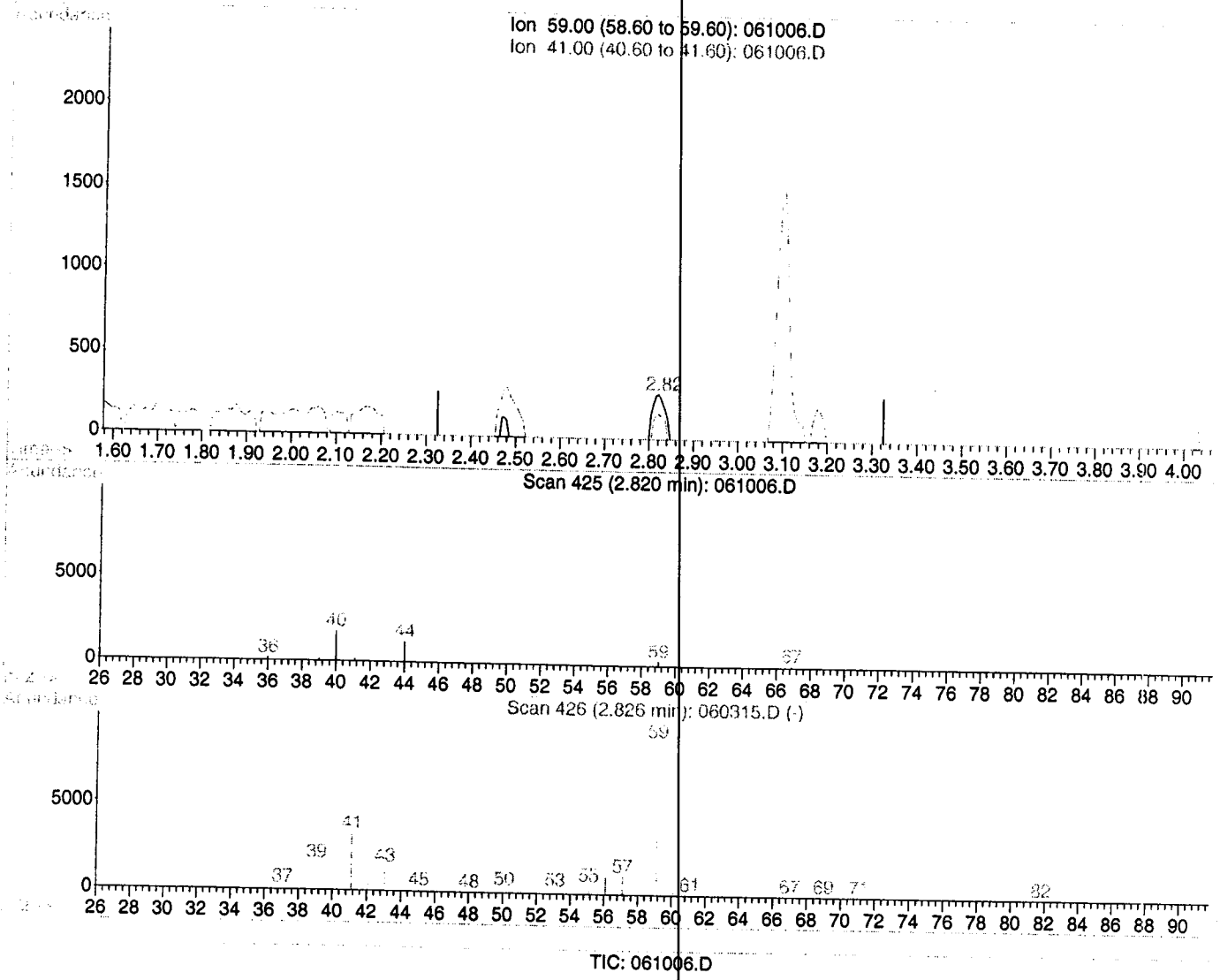
Quantitation Report (Qedit)

Data File : K:\06-10-15\061006.D
Acq On : 10 Jun 2015 9:17 am
Sample : 506112-01
Misc : water
MS Integration Params: LSCINT.P
Quant Time: Jun 10 17:27 2015

Vial: 6
Operator: VM
Inst : GCMS7
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\METHODS\INST7\VB060315.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles
Last Update : Thu Jun 04 07:36:45 2015
Response via : Multiple Level Calibration



(15) t-Butyl alcohol (TBA) (TMP)

2.82min 0.55ppb

response 531

Ion	Exp%	Act%
59.00	100	100
41.00	32.60	56.16
0.00	0.00	0.00
0.00	0.00	0.00