ALS Paragon

GC/MS Volatiles

Case Narrative

Cordilleran Compliance Services, Inc.

Rulison Area Well Monitoring

Work Order Number: 0812200

1. This report consists of 12 water samples. The samples were received cool and intact by ALS Paragon on 12/19/2008. The vials for all samples contained headspace prior to analysis because they were not received headspace free into the volatiles laboratory.

   All samples, provided for volatiles, had a pH > 2 at the time of analysis.

2. These samples were prepared according to SW-846, 3rd Edition procedures. Specifically, the water samples were prepared by purging 5 mL using purge and trap procedures based on Method 5030C.

3. The samples were analyzed using GC/MS with an RTX-624, RTX-VMS, or equivalent capillary column according to SOP 525 Revision 12 based on SW-846 Method 8260B. All positive results were quantitated against the initial calibration standards using the internal standard technique. The identification of positive results was achieved by a comparison of the retention time and mass spectrum of the sample versus the daily calibration standard.

4. All initial calibration criteria for SPCC's and CCC's were met. If average response factors were used in the initial calibration, %RSD was ≤15%. If linear or higher order regression calibrations were used in the initial calibration, the coefficient of determination (r^2) ≥0.99.

5. All initial calibrations are verified by comparing a second source standard calibration verification (ICV) against the calibration curve. All target compounds in the second source verification had a %D of less than 25%.

6. All criteria for SPCC's and CCC's were met in daily (continuing) calibration verifications (CCV).

7. Methylene chloride, acetone and 2-butanone are common laboratory contaminants. In order to minimize the levels of these compounds detected in the gc/ms analysis, ALS Paragon has designated its volatile laboratory as a restricted access area. In addition, the laboratory has been equipped with a dedicated, air intake and exhaust system that operates under positive pressure in order to minimize cross contamination of these compounds. Due to fluctuations in ambient laboratory conditions,

reported sample values for common laboratory contaminants may be due to lab contamination even if the compound in question is not detected in the associated method blank.

All method blank criteria were met.

8. All laboratory control sample and laboratory control sample duplicate recoveries and RPDs were within the acceptance criteria.

9. Samples 0812200-1 and -12 were designated as the quality control samples for this analysis Similarity of matrix and therefore relevance of the QC results should not be automatically inferred for any sample other than the native sample selected for QC.

   All matrix spike and matrix spike duplicate recoveries and RPDs were within acceptance criteria with the following exceptions:

Spiked Compound	QC Sample	Direction
Toluene	1MS	Low
M+p xylene	1MS	Low

   The recoveries of this compound in the associated laboratory control sample and laboratory control sample duplicate were within control limits, which suggests the outliers in the matrix spikes may have been due to matrix effects. No further action was taken. Laboratory control sample and laboratory control sample duplicate results are included.

10. The samples were analyzed within the established holding time.

11. All surrogate recoveries were within acceptance criteria.

12. All internal standard recoveries were within acceptance criteria.

13. Due to the concentration of target analytes, all samples were analyzed at a dilution. The reporting limits have been adjusted accordingly.

14. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in SOP 939 Revision 3. The chromatographic data system marks the manual integrations with an m on the quantitation report. Whenever manual integrations are performed, before and after chromatograms of the peak that was manually integrated are included in the report along with the reason why the re-integration was necessary.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS Paragon certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Sharon L. Jobes
Organics Primary Data Reviewer

12-31-08
Date

Organics Final Data Reviewer

12-31-08
Date

ALS Paragon
Data Qualifier Flags
Chromatography and Mass Spectrometry

U or ND:	**This flag indicates that the compound was analyzed for but not detected.**
J:	**This flag indicates an estimated value. This flag is used as follows : (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL; and (4) the reported value is estimated.**
B:	**This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.**
E:	**This flag identifies compounds whose concentration exceeds the upper level of the calibration range.**
A:	**This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.**
X:	**This flag indicates that the analyte was diluted below an accurate quantitation level.**
***:**	**This flag indicates that a spike recovery is equal to or outside the control criteria used.**
+:	**This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria.**

ALS Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0812200
Client Name: Cordilleran Compliance Services, Inc.
Client Project Name: Rulison Area Well Monitoring
Client Project Number:
Client PO Number:

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
7-22B	0812200-1		WATER	17-Dec-08	8:38
7-22D	0812200-2		WATER	17-Dec-08	9:07
10-22B	0812200-3		WATER	17-Dec-08	10:01
6-22B	0812200-4		WATER	17-Dec-08	10:18
6-22D	0812200-5		WATER	17-Dec-08	11:08
16-22D	0812200-6		WATER	17-Dec-08	12:13
9-22D	0812200-7		WATER	17-Dec-08	12:39
16-22B	0812200-8		WATER	17-Dec-08	12:54
9-22B	0812200-9		WATER	17-Dec-08	13:10
10-22D	0812200-10		WATER	17-Dec-08	13:43
15-22B	0812200-11		WATER	17-Dec-08	13:58
15-22D	0812200-12		WATER	17-Dec-08	14:35

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0812200

Chain-of-Custody Date 12/18/08 Page 1 of 2

Originator: Retain pink copy!

Project Name/No.: Rulison Area Well Monitoring Sampler(s): J Hix Turnaround (circle one) **Standard** or **Rush** (Due _____) Dispose: **Date** _____ or **Return to Client**

Report To: James Hix
Phone: 303.237.2072
Fax: 303.237.2659
E-mail: jhix@oaconsulting.com
Company: Cordilleran, a division of Olsson Associates
Address: 4690 Table Mountain Dr. # 200
Golden, CO 80403

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type... HCl, etc.)	No. of Containers	VOCs SW8260B	BTEX (only) ~~SW8021B~~ 8260B	SVOCs SW8270C	OC Pesticides SW8081A	PCBs SW8082	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311 SW8260B 8270C 8081A 8151A	TCLP Metals SW1311 Hg SW6010B 7470	Total Metals by ICP Hg SW6010B 7470 7471 E200.7	Dissolved Metals by ICP Hg SW6010B 7470 E200.7	Total Metals by ICP/MS SW6020A E200.8 + Hg	Dissolved Metals by ICP/MS SW6020A E200.8	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments) NH3	Solids: Total E160.3 TDS E160.1 TSS E160.2 T-Phos	pH SW9040B SW9045C	TPH GRO DRO (circle one or both) SW8015B	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / ___	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 E903.1	Radium 228 SW9320 E904.0	Strontium 90 (Total RadioSr) D5811-00	Gamma Isotopes E901.1	Radon 222 SM7510Rn	RSK (Methane)		
7-22B	12/17/08	0838	1	W	Y	13		X										X			X	X	X	X									X		
7-22D		0907	2	W		13		X										X			X	X	X	X									X		
10-22B		1001	3	W		13		X										X			X	X	X	X									X		
6-22B		1018	4	W		13		X										X			X	X	X	X									X		
6-22D		1108	5	W		13		X										X			X	X	X	X									X		
16-22D		1213	6	W		13		X										X			X	X	X	X									X		
9-22D		1239	7	W		13		X										X			X	X	X	X									X		
16-22B		1254	8	W		13		X										X			X	X	X	X									X		
9-22B		1310	9	W		13		X										X			X	X	X	X									X		
10-22D		1343	10	W		13		X										X			X	X	X	X									X		

* **Time Zone:** EST CST MST PST **Matrix Key:** O = oil, S = soil, NS = non-soil solid, W = water, L = liquid, E = extract, F = filter

Comments:

Relinquished By: (1)	Relinquished By: (2)
Signature	Signature
Printed Name T. DeBransky	Printed Name
Date 12/18/08 Time 1600	Date Time
Company Cordilleran.	Company
Received By: (1)	**Received By:** (2)
Signature	Signature
Printed Name Lara J Orban	Printed Name
Date 12/19/08 Time 1200	Date Time
Company ALS Paragon	Company

Form 202r6.xls (6/16/06)

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0812200

Chain-of-Custody Date 12/8/08 Page 2 of 2

Originator: Retain pink copy!

Project Name/No.: Rulison Well Monitoring **Sampler(s):** ~~T.Ps~~ Hix Turnaround (circle one) **Standard** or **Rush** (Due _____) Dispose: **Date** _____ or **Return to Client**

Report To: James Hix
Phone: 303.237.2072
Fax: 303.237.2659
E-mail: JH@paraconsultings.com
Company: Cordilleran, a division of Olsen Associates
Address: A690 Table Mountain Dr # 200
Golden, CO 80403

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type... HCl, etc.)	No. of Containers	VOCs SW8260B	BTEX (only) ~~SW8021B~~ 8260B	SVOCs SW8270C	OC Pesticides SW8081A	PCBs SW8082	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311 SW8260B 8270C 8081A 8151A	TCLP Metals SW1311 Hg SW6010B 7470	Total Metals by ICP Hg SW6010B 7470 7471 E200.7	Dissolved Metals by ICP Hg SW6010B 7470 E200.7	Total Metals by ICP/MS SW6020A E200.8 14 g	Dissolved Metals by ICP/MS SW6020A E200.8	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments) NH_3	Solids: Total E160.3 TDS E160.1 TSS E160.2 TDS	pH SW9040B SW9045C	TPH SW8015B GRO DRO (circle one or both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / __	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 E903.1	Radium 228 SW9320 E904.0	Strontium 90 (Total RadioSr) D5811-00	Gamma Isotopes E901.1	Radon 222 SM7510Rn	RSK (Methane
15-22B	12/17/08	1358	11	W	Y	13		X										X			X	X	X	X							X	
15-22D	V	1435	12	W	Y	13		X										X			X	X	X	X							X	

* **Time Zone:** EST CST MST PST **Matrix Key:** O = oil, S = soil, NS = non-soil solid, W = water, L = liquid, E = extract, F = filter

Comments:

Relinquished By: (1)	Relinquished By: (2)
Signature	Signature
Printed Name T. DOBRANSKY	Printed Name
Date 12/8/08 Time 1600	Date Time
Company Cordilleran	Company
Received By: (1)	**Received By:** (2)
Signature	Signature
Printed Name Lara J Orban	Printed Name
Date 12/9/08 Time 1200	Date Time
Company ALS Paragon	Company

Form 202r6.xls (6/16/06)

CONDITION OF SAMPLE UPON RECEIPT FORM **Paragon Analytics**

Client: Cordilleran Workorder No: 0812200

Project Manager: LRS Initials: LJO Date: 12/19/08

1. Does this project require any **special handling** in addition to standard Paragon procedures?		YES	(NO)
2. Are custody **seals** on **shipping containers** intact?	NONE	(YES)	NO
3. Are Custody seals on **sample containers** intact?	(NONE)	YES	NO
4. Is there a **COC (Chain-of-Custody) present** or other representative documents?		(YES)	NO
5. Are the **COC and bottle labels complete and legible**?		(YES)	NO
6. Is the **COC in agreement** with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		(YES)	NO
7. Were **airbills / shipping documents** present and/or removable?	DROP OFF	(YES)	NO
8. Are all aqueous **samples requiring preservation preserved correctly?** (excluding volatiles)	N/A	YES	(NO) *
9. Are all aqueous **non-preserved samples pH 4-9**?	N/A	(YES)	NO
10. Is there **sufficient sample** for the requested analyses?		(YES)	NO
11. Were all samples placed in the **proper containers** for the requested analyses?		(YES)	NO
12. Are all samples within **holding times** for the requested analyses?		(YES)	NO
13. Were all sample containers received **intact**? (not broken or leaking, etc.)		YES	(NO) * see page 2of2
14. Are all samples requiring **no** headspace (**VOC, GRO, RSK/MEE, Rx CN/S, radon**) headspace free? **Size of bubble**: x < green pea x > green pea	N/A	YES	(NO) + see pg 2of2
15. Do perchlorate LCMS-MS samples **have** headspace? (at least 1/3 of container required)	(N/A)	YES	NO
16. Were samples checked for and free from the presence of **residual chlorine?** (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	(N/A)	YES	NO
17. Were the samples **shipped on ice**?		(YES)	NO
18. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: (#2) #4	RAD ONLY	(YES)	NO

Cooler #:	1	2	3					
Temperature (°C):	2.8	3.4	3.4					
No. of custody seals on cooler:	1	1	1					
DOT Survey/ Acceptance Information — External µR/hr reading:	11	12	15					
Background µR/hr reading:	11							

Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? (YES) / NO / NA (If no. see Form 008.)

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE. EXCEPT #1 AND #16.

* All 250ml polys received at pH 7. 2.5ml H_2SO_4 (Lot #47194) was added at 1435 by ??? on 12/19/08 to Each bottle. Samples #1, 5, 7, 8, 9, and 10 have a final pH <2. Samples #2, 3, 4, 6, 11, and 12 have a final pH of 2.5.

All 500ml Metals polys received at pH 7. 4ml HNO_3 (Lot#G04026) was added at 1420 by ??? on 12/19/08 to bottles 1-3, 5-8, 10, and 11. 5ml HNO_3 was added at 1445

cont'd pg 2.

If applicable, was the client contacted? YES / NO / NA Contact: J. Hix Date/Time: 12/22

Project Manager Signature / Date: 12/22/08

*IR Gun #2: Oakton. SN 29922500201-0066 *IR Gun #4: Oakton. SN 2372220101-0002

CONDITION OF SAMPLE UPON RECEIPT FORM **Paragon Analytics**

Client: Cordillera Workorder No: 0812200

Project Manager: LRS Initials: LTO Date: 12/19/08

Additional Information:

*pH excursion continued:
by TBO on 12/19/08 to bottles 4, 9, and 12. All bottles have a final pH < 2. See COC for cross reference IDs.

•Sample # 11 (15-22B) 3 of 9 40ml vials were received smashed. PM notified.

+ Headspace excursions:

Sample #1 (7-22B) 1 of 9 40 ml vials contained headspace	> pea.
↓ ↓ 1 of 9	< pea.
#2 (7-22D) 5 of 9	> pea.
↓ ↓ 2 of 9	< pea.
#3 (10-22B) 9 of 9	> pea.
#4 (16-22B) 7 of 9	> pea.
#5 (16-22D) 1 of 9	> pea.
↓ ↓ 1 of 9	< pea.
#6 (16-22D) 7 of 9	> pea.
↓ ↓ 2 of 9	< pea.
#7 (9-22D) 7 of 9	> pea.
↓ ↓ 1 of 9	< pea.
#8 (16-22B) 8 of 9	> pea.
#9 (9-22B) 8 of 9	> pea.
#10 (10-22D) 6 of 9	> pea.
#11 (15-22B) 4 of 9 (6 of 12 total)	> pea.
↓ ↓ 1 of 6	< pea.
#12 (15-22D) 8 of 9	> pea.

If applicable, was the client contacted? YES / NO / NA Contact: _____ Date/Time: _____

Project Manager Signature / Date: 12/22/08

Form 201r20.xls (12/27/07)


ORIGIN ID: GJTA (970) 270-2986
TIM DOBRANSKY
CORDILLERAN COMPLIANCE SERVICES, IN
826 21 1/2 ROAD

GRAND JUNCTION, CO 81505
UNITED STATES US

Ship Date: 18DEC08
ActWgt: 40.0 LB MAN
System#: 390082/CAFE2358
Account: S 235727234

(800) 443-1511
FedEx
Express

TO
PARAGON ANALYTICS
225 COMMERCE DRIVE

FORT COLLINS, CO 80524

15.1

CLS 5018/22/23

Ref: 008-2362

0812208

Delivery Address
Barcode

BILL SENDER

3.4

PRIORITY OVERNIGHT

FRI
Deliver By
19DEC08

TRK# 9660 0451 2571

Form
0201

DEN AA

80524 -CO-US

72 FTCA

ORIGIN ID: GJTA (970) 270-2986
TIM DOBRANSKY
CORDILLERAN COMPLIANCE SERVICES, IN
826 21 1/2 ROAD

GRAND JUNCTION, CO 81505
UNITED STATES US

Ship Date: 18DEC08
ActWgt: 40.0 LB MAN
System#: 390082/CAFE2350
Account: S 235727234

TO

PARAGON ANALYTICS
225 COMMERCE DRIVE

FORT COLLINS, CO 80524

Ref: 008-2362

Delivery Address Barcode

3.4

BILL SENDER

0812200

PRIORITY OVERNIGHT

FRI
Deliver By
19DEC08

TRK# 9660 0451 2550

Form 0201

DEN AA

80524 -CO-US

72 FTCA

ORIGIN ID: GJTA (970) 270-2986
TIM DOBRANSKY
CORDILLERAN COMPLIANCE SERVICES, IN
826 21 1/2 ROAD

GRAND JUNCTION, CO 81505
UNITED STATES US

Ship Date: 18DEC08
ActWgt: 40.0 LB MAN
System#: 390082/CAFE2350
Account: S 235727234

TO

PARAGON ANALYTICS
225 COMMERCE DRIVE

FORT COLLINS, CO 80524

Ref: 008-2362

BILL SENDER

2.8

0812206

PRIORITY OVERNIGHT

FRI
Deliver By:
19DEC08

TRK# 9660 0451 2560

Form 0201

DEN AA

80524 -CO-US

72 FTCA

Analytical Results

GC/MS Volatiles

Method SW8260B

Method Blank

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Lab ID: VL081223-2MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 23-Dec-08
Date Analyzed: 23-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081223-2
QCBatchID: VL081223-2-1
Run ID: VL081223-2A
Cleanup: NONE
Basis: N/A
File Name: B54705

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	1	5	5	U	
108-88-3	TOLUENE	1	5	5	U	
100-41-4	ETHYLBENZENE	1	5	5	U	
136777-61-2	M+P-XYLENE	1	5	5	U	
95-47-6	O-XYLENE	1	5	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	51.1		50	102	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	47		50	94	79 - 120
2037-26-5	TOLUENE-D8	50.7		50	101	83 - 120

Data Package ID: *VL0812200-1*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Field ID: 7-22D
Lab ID: 0812200-2

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Dec-08
Date Extracted: 23-Dec-08
Date Analyzed: 23-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081223-2
QCBatchID: VL081223-2-1
Run ID: VL081223-2A
Cleanup: NONE
Basis: As Received
File Name: B54707

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	400	20000	2000		
108-88-3	TOLUENE	400	48000	2000		
100-41-4	ETHYLBENZENE	400	2500	2000		
136777-61-2	M+P-XYLENE	400	36000	2000		
95-47-6	O-XYLENE	400	4500	2000		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	20900		20000	104	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	19300		20000	96	79 - 120
2037-26-5	TOLUENE-D8	20500		20000	103	83 - 120

Data Package ID: *VL0812200-1*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Field ID: 10-22B
Lab ID: 0812200-3

Sample Matrix: WATER
%Moisture: N/A
Date Collected: 17-Dec-08
Date Extracted: 23-Dec-08
Date Analyzed: 23-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081223-2
QCBatchID: VL081223-2-1
Run ID: VL081223-2A
Cleanup: NONE
Basis: As Received
File Name: B54708

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	500	20000	2500		
108-88-3	TOLUENE	500	62000	2500		
100-41-4	ETHYLBENZENE	500	4100	2500		
136777-61-2	M+P-XYLENE	500	56000	2500		
95-47-6	O-XYLENE	500	7900	2500		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	26400		25000	106	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	23400		25000	94	79 - 120
2037-26-5	TOLUENE-D8	25300		25000	101	83 - 120

Data Package ID: *VL0812200-1*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Field ID: 9-22D
Lab ID: 0812200-7

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Dec-08
Date Extracted: 23-Dec-08
Date Analyzed: 23-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081223-2
QCBatchID: VL081223-2-1
Run ID: VL081223-2A
Cleanup: NONE
Basis: As Received
File Name: B54714

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	500	17000	2500		
108-88-3	TOLUENE	500	38000	2500		
100-41-4	ETHYLBENZENE	500	1800	2500	J	
136777-61-2	M+P-XYLENE	500	23000	2500		
95-47-6	O-XYLENE	500	3500	2500		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	27400		25000	110	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	24500		25000	98	79 - 120
2037-26-5	TOLUENE-D8	25800		25000	103	83 - 120

Data Package ID: *VL0812200-1*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Field ID: 16-22B
Lab ID: 0812200-8

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Dec-08
Date Extracted: 23-Dec-08
Date Analyzed: 23-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081223-2
QCBatchID: VL081223-2-1
Run ID: VL081223-2A
Cleanup: NONE
Basis: As Received
File Name: B54715

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	400	13000	2000		
108-88-3	TOLUENE	400	44000	2000		
100-41-4	ETHYLBENZENE	400	4700	2000		
136777-61-2	M+P-XYLENE	400	64000	2000		
95-47-6	O-XYLENE	400	9800	2000		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	20800		20000	104	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	18500		20000	93	79 - 120
2037-26-5	TOLUENE-D8	20200		20000	101	83 - 120

Data Package ID: *VL0812200-1*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Field ID: 7-22B
Lab ID: 0812200-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Dec-08
Date Extracted: 23-Dec-08
Date Analyzed: 23-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081223-2
QCBatchID: VL081223-2-1
Run ID: VL081223-2A
Cleanup: NONE
Basis: As Received
File Name: B54718

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	400	14000	2000		
108-88-3	TOLUENE	400	35000	2000		
100-41-4	ETHYLBENZENE	400	2400	2000		
136777-61-2	M+P-XYLENE	400	33000	2000		
95-47-6	O-XYLENE	400	4900	2000		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	22800		20000	114	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	19800		20000	99	79 - 120
2037-26-5	TOLUENE-D8	22000		20000	110	83 - 120

Data Package ID: *VL0812200-1*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Field ID: 6-22B
Lab ID: 0812200-4

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Dec-08
Date Extracted: 23-Dec-08
Date Analyzed: 23-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081223-2
QCBatchID: VL081223-2-1
Run ID: VL081223-2A
Cleanup: NONE
Basis: As Received
File Name: B54722

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	500	19000	2500		
108-88-3	TOLUENE	500	41000	2500		
100-41-4	ETHYLBENZENE	500	2300	2500	J	
136777-61-2	M+P-XYLENE	500	29000	2500		
95-47-6	O-XYLENE	500	4000	2500		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	27300		25000	109	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	23800		25000	95	79 - 120
2037-26-5	TOLUENE-D8	25600		25000	102	83 - 120

Data Package ID: *VL0812200-1*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Field ID: 9-22B
Lab ID: 0812200-9

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Dec-08
Date Extracted: 23-Dec-08
Date Analyzed: 23-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081223-2
QCBatchID: VL081223-2-1
Run ID: VL081223-2A
Cleanup: NONE
Basis: As Received
File Name: B54724

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	1000	25000	5000		
108-88-3	TOLUENE	1000	77000	5000		
100-41-4	ETHYLBENZENE	1000	5300	5000		
136777-61-2	M+P-XYLENE	1000	70000	5000		
95-47-6	O-XYLENE	1000	9500	5000		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	54000		50000	108	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	47800		50000	96	79 - 120
2037-26-5	TOLUENE-D8	50600		50000	101	83 - 120

Data Package ID: *VL0812200-1*

GC/MS Volatiles

Method SW8260B

Method Blank

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Lab ID: VL081229-2MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 29-Dec-08
Date Analyzed: 29-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081229-2
QCBatchID: VL081229-2-1
Run ID: VL081229-2A
Cleanup: NONE
Basis: N/A
File Name: B54768

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	1	5	5	U	
108-88-3	TOLUENE	1	5	5	U	
100-41-4	ETHYLBENZENE	1	5	5	U	
136777-61-2	M+P-XYLENE	1	5	5	U	
95-47-6	O-XYLENE	1	5	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	47.5		50	95	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	50.2		50	100	79 - 120
2037-26-5	TOLUENE-D8	50		50	100	83 - 120

Data Package ID: *VL0812200-2*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Field ID: 15-22D
Lab ID: 0812200-12

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Dec-08
Date Extracted: 29-Dec-08
Date Analyzed: 29-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081229-2
QCBatchID: VL081229-2-1
Run ID: VL081229-2A
Cleanup: NONE
Basis: As Received
File Name: B54769

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	400	20000	2000		
108-88-3	TOLUENE	400	44000	2000		
100-41-4	ETHYLBENZENE	400	2200	2000		
136777-61-2	M+P-XYLENE	400	29000	2000		
95-47-6	O-XYLENE	400	4300	2000		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	19400		20000	97	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	20600		20000	103	79 - 120
2037-26-5	TOLUENE-D8	20500		20000	102	83 - 120

Data Package ID: *VL0812200-2*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Field ID: 6-22D
Lab ID: 0812200-5

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Dec-08
Date Extracted: 29-Dec-08
Date Analyzed: 29-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081229-2
QCBatchID: VL081229-2-1
Run ID: VL081229-2A
Cleanup: NONE
Basis: As Received
File Name: B54773

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	200	15000	1000		
108-88-3	TOLUENE	200	26000	1000		
100-41-4	ETHYLBENZENE	200	980	1000	J	
136777-61-2	M+P-XYLENE	200	12000	1000		
95-47-6	O-XYLENE	200	1800	1000		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	9500		10000	95	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	10300		10000	103	79 - 120
2037-26-5	TOLUENE-D8	10100		10000	101	83 - 120

Data Package ID: *VL0812200-2*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Field ID: 16-22D
Lab ID: 0812200-6

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Dec-08
Date Extracted: 29-Dec-08
Date Analyzed: 29-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081229-2
QCBatchID: VL081229-2-1
Run ID: VL081229-2A
Cleanup: NONE
Basis: As Received
File Name: B54774

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	200	15000	1000		
108-88-3	TOLUENE	200	26000	1000		
100-41-4	ETHYLBENZENE	200	1300	1000		
136777-61-2	M+P-XYLENE	200	17000	1000		
95-47-6	O-XYLENE	200	2600	1000		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	9640		10000	96	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	10300		10000	103	79 - 120
2037-26-5	TOLUENE-D8	10200		10000	102	83 - 120

Data Package ID: *VL0812200-2*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Field ID: 10-22D
Lab ID: 0812200-10

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Dec-08
Date Extracted: 29-Dec-08
Date Analyzed: 29-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081229-2
QCBatchID: VL081229-2-1
Run ID: VL081229-2A
Cleanup: NONE
Basis: As Received
File Name: B54775

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	250	20000	1200		
108-88-3	TOLUENE	250	35000	1200		
100-41-4	ETHYLBENZENE	250	1200	1200	J	
136777-61-2	M+P-XYLENE	250	16000	1200		
95-47-6	O-XYLENE	250	2300	1200		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	12100		12500	97	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	12800		12500	102	79 - 120
2037-26-5	TOLUENE-D8	12500		12500	100	83 - 120

Data Package ID: *VL0812200-2*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Field ID: 15-22B
Lab ID: 0812200-11

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Dec-08
Date Extracted: 29-Dec-08
Date Analyzed: 29-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081229-2
QCBatchID: VL081229-2-1
Run ID: VL081229-2A
Cleanup: NONE
Basis: As Received
File Name: B54776

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	200	12000	1000		
108-88-3	TOLUENE	200	21000	1000		
100-41-4	ETHYLBENZENE	200	790	1000	J	
136777-61-2	M+P-XYLENE	200	10000	1000		
95-47-6	O-XYLENE	200	1600	1000		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	9610		10000	96	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	10300		10000	103	79 - 120
2037-26-5	TOLUENE-D8	10300		10000	103	83 - 120

Data Package ID: *VL0812200-2*

Supporting QA/QC Data

Surrogate Summary for GC/MS Volatiles

Method SW8260B

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

PrepBatchID: VL081223-2
QC Batch ID: VL081223-2-1
Date Extracted: 12/23/2008

Surrogate Compound	Control Limits Lower	Upper
Dibromofluoromethane	79	120
Toluene-d8	83	120
4-Bromofluorobenzene	74	123
1,2-dichloroethane-d4		

Lab ID	Client Sample ID	Date Collected	Date Received	DBFM % Recovery	BZMED8 % Recovery	BR4FBZ % Recovery	12DCED4 % Recovery
VL081223-2LCS	XXXXXXX	NA	XXXXXXX	95	98	100	
VL081223-2LCSD	XXXXXXX	NA	XXXXXXX	96	104	107	
VL081223-2MB	XXXXXXX	NA	XXXXXXX	94	101	102	
0812200-9	9-22B	12/17/2008	12/19/2008	96	101	108	
0812200-8	16-22B	12/17/2008	12/19/2008	93	101	104	
0812200-7	9-22D	12/17/2008	12/19/2008	98	103	110	
0812200-4	6-22B	12/17/2008	12/19/2008	95	102	109	
0812200-3	10-22B	12/17/2008	12/19/2008	94	101	106	
0812200-2	7-22D	12/17/2008	12/19/2008	96	103	104	
0812200-1MS	7-22B	12/17/2008	12/19/2008	98	98	106	
0812200-1MSD	7-22B	12/17/2008	12/19/2008	96	100	105	
0812200-1	7-22B	12/17/2008	12/19/2008	99	110	114	

Data Package ID: *VL0812200-1*

GC/MS Volatiles

Method SW8260B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Lab ID: VL081223-2LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 12/23/2008
Date Analyzed: 12/23/2008
Prep Method: SW5030C

Prep Batch: VL081223-2
QCBatchID: VL081223-2-1
Run ID: VL081223-2A
Cleanup: NONE
Basis: N/A
File Name: B54702

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
71-43-2	BENZENE	50	54.6	5		109	81 - 122%
108-88-3	TOLUENE	50	50.3	5		101	77 - 122%
100-41-4	ETHYLBENZENE	50	49.6	5		99	73 - 127%
136777-61-	M+P-XYLENE	100	100	5		100	76 - 128%
95-47-6	O-XYLENE	50	50.2	5		100	80 - 121%

Lab ID: VL081223-2LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 12/23/2008
Date Analyzed: 12/23/2008
Prep Method: SW5030C

Prep Batch: VL081223-2
QCBatchID: VL081223-2-1
Run ID: VL081223-2A
Cleanup: NONE
Basis: N/A
File Name: B54703

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
71-43-2	BENZENE	50	52	5		104	20	5
108-88-3	TOLUENE	50	50.4	5		101	20	0
100-41-4	ETHYLBENZENE	50	48.8	5		98	20	1
136777-61-	M+P-XYLENE	100	99.5	5		100	20	1
95-47-6	O-XYLENE	50	50.6	5		101	20	1

Data Package ID: *VL0812200-1*

GC/MS Volatiles

Method SW8260B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	50	100		107		74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	50	95		96		79 - 120
2037-26-5	TOLUENE-D8	50	98		104		83 - 120

Data Package ID: *VL0812200-1*

GC/MS Volatiles

Method SW8260B

Matrix Spike And Matrix Spike Duplicate

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Field ID: 7-22B
LabID: 0812200-1MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Dec-08
Date Extracted: 23-Dec-08
Date Analyzed: 23-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081223-2
QCBatchID: VL081223-2-1
Run ID: VL081223-2A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
File Name: B54719

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
71-43-2	BENZENE	14000		32600		2000	20000	94	81 - 122%
108-88-3	TOLUENE	35000		46800	*	2000	20000	59	77 - 122%
100-41-4	ETHYLBENZENE	2400		20600		2000	20000	91	73 - 127%
136777-61-	M+P-XYLENE	33000		60700	*	2000	40000	70	76 - 128%
95-47-6	O-XYLENE	4900		23000		2000	20000	91	80 - 121%

Field ID: 7-22B
LabID: 0812200-1MSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Dec-08
Date Extracted: 23-Dec-08
Date Analyzed: 23-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081223-2
QCBatchID: VL081223-2-1
Run ID: VL081223-2A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
File Name: B54720

CASNO	Target Analyte	MSD Result	MSD Qual	Spike Added	MSD % Rec.	Reporting Limit	RPD Limit	RPD
71-43-2	BENZENE	34000		20000	101	2000	20	4
108-88-3	TOLUENE	50900		20000	79	2000	20	8
100-41-4	ETHYLBENZENE	22100		20000	99	2000	20	7
136777-61-	M+P-XYLENE	69500		40000	92	2000	20	14
95-47-6	O-XYLENE	25100		20000	101	2000	20	9

Data Package ID: *VL0812200-1*

GC/MS Volatiles

Method SW8260B

Matrix Spike And Matrix Spike Duplicate

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Surrogate Recovery MS/MSD

CASNO	Target Analyte	Spike Added	MS % Rec.	MS Flag	MSD % Rec.	MSD Flag	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	20000	106		105		74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	20000	98		96		79 - 120
2037-26-5	TOLUENE-D8	20000	98		100		83 - 120

Data Package ID: *VL0812200-1*

Prep Batch ID: VL081223-2

Start Date: 12/23/08
Start Time: 11:01
Prep Analyst: Tyler Knaebel

End Date: 12/23/08
End Time: 19:52

Concentration Method: NONE
Extract Method: SW5030C
Initial Volume Units: ml
Final Volume Units: ml

Batch Created By: twk
Date Created: 12/23/08
Time Created: 11:48
Validated By: twk
Date Validated: 12/30/08
Time Validated: 12:11

Comments:

5mL heated waters

QC Batch ID: VL081223-2-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
VL081223-2	MB	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0812200
VL081223-2	LCS	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0812200
VL081223-2	LCSD	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0812200
0812200-1	MS	7-22B	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-1	MSD	7-22B	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-1	SMP	7-22B	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-10	SMP	10-22D	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-11	SMP	15-22B	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-12	SMP	15-22D	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-2	SMP	7-22D	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-3	SMP	10-22B	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-4	SMP	6-22B	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-5	SMP	6-22D	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-6	SMP	16-22D	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-7	SMP	9-22D	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-8	SMP	16-22B	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-9	SMP	9-22B	WATER	12/17/2008	5	5	NONE	1	0812200

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicate
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

Surrogate Summary for GC/MS Volatiles

Method SW8260B

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

PrepBatchID: VL081229-2
QC Batch ID: VL081229-2-1
Date Extracted: 12/29/2008

Surrogate Compound	Control Limits Lower	Upper
Dibromofluoromethane	79	120
Toluene-d8	83	120
4-Bromofluorobenzene	74	123
1,2-dichloroethane-d4		

Lab ID	Client Sample ID	Date Collected	Date Received	DBFM % Recovery	BZMED8 % Recovery	BR4FBZ % Recovery	12DCED4 % Recovery
VL081229-2LCS	XXXXXXX	NA	XXXXXXX	104	101	96	
VL081229-2LCSD	XXXXXXX	NA	XXXXXXX	105	106	99	
VL081229-2MB	XXXXXXX	NA	XXXXXXX	100	100	95	
0812200-6	16-22D	12/17/2008	12/19/2008	103	102	96	
0812200-5	6-22D	12/17/2008	12/19/2008	103	101	95	
0812200-12MS	15-22D	12/17/2008	12/19/2008	104	96	94	
0812200-12MSD	15-22D	12/17/2008	12/19/2008	106	102	99	
0812200-12	15-22D	12/17/2008	12/19/2008	103	102	97	
0812200-11	15-22B	12/17/2008	12/19/2008	103	103	96	
0812200-10	10-22D	12/17/2008	12/19/2008	102	100	97	

Data Package ID: *VL0812200-2*

GC/MS Volatiles

Method SW8260B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Lab ID: VL081229-2LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 12/29/2008
Date Analyzed: 12/29/2008
Prep Method: SW5030C

Prep Batch: VL081229-2
QCBatchID: VL081229-2-1
Run ID: VL081229-2A
Cleanup: NONE
Basis: N/A
File Name: B54765

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
71-43-2	BENZENE	50	56.9	5		114	81 - 122%
108-88-3	TOLUENE	50	50.8	5		102	77 - 122%
100-41-4	ETHYLBENZENE	50	50.3	5		101	73 - 127%
136777-61-	M+P-XYLENE	100	100	5		100	76 - 128%
95-47-6	O-XYLENE	50	50.2	5		100	80 - 121%

Lab ID: VL081229-2LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 12/29/2008
Date Analyzed: 12/29/2008
Prep Method: SW5030C

Prep Batch: VL081229-2
QCBatchID: VL081229-2-1
Run ID: VL081229-2A
Cleanup: NONE
Basis: N/A
File Name: B54766

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
71-43-2	BENZENE	50	56.6	5		113	20	1
108-88-3	TOLUENE	50	51.6	5		103	20	2
100-41-4	ETHYLBENZENE	50	50.2	5		100	20	0
136777-61-	M+P-XYLENE	100	103	5		103	20	3
95-47-6	O-XYLENE	50	50.7	5		101	20	1

Data Package ID: *VL0812200-2*

GC/MS Volatiles

Method SW8260B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	50	96		99		74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	50	104		105		79 - 120
2037-26-5	TOLUENE-D8	50	101		106		83 - 120

Data Package ID: *VL0812200-2*

GC/MS Volatiles

Method SW8260B

Matrix Spike And Matrix Spike Duplicate

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Field ID: 15-22D
LabID: 0812200-12MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Dec-08
Date Extracted: 29-Dec-08
Date Analyzed: 29-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081229-2
QCBatchID: VL081229-2-1
Run ID: VL081229-2A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
File Name: B54770

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
71-43-2	BENZENE	20000		41400		2000	20000	109	81 - 122%
108-88-3	TOLUENE	44000		60300		2000	20000	83	77 - 122%
100-41-4	ETHYLBENZENE	2200		19900		2000	20000	89	73 - 127%
136777-61-	M+P-XYLENE	29000		62800		2000	40000	86	76 - 128%
95-47-6	O-XYLENE	4300		22400		2000	20000	91	80 - 121%

Field ID: 15-22D
LabID: 0812200-12MSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Dec-08
Date Extracted: 29-Dec-08
Date Analyzed: 29-Dec-08
Prep Method: SW5030 Rev C

Prep Batch: VL081229-2
QCBatchID: VL081229-2-1
Run ID: VL081229-2A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
File Name: B54771

CASNO	Target Analyte	MSD Result	MSD Qual	Spike Added	MSD % Rec.	Reporting Limit	RPD Limit	RPD
71-43-2	BENZENE	43300		20000	119	2000	20	5
108-88-3	TOLUENE	65100		20000	107	2000	20	8
100-41-4	ETHYLBENZENE	24000		20000	109	2000	20	19
136777-61-	M+P-XYLENE	67700		40000	98	2000	20	8
95-47-6	O-XYLENE	25700		20000	107	2000	20	14

Data Package ID: *VL0812200-2*

GC/MS Volatiles

Method SW8260B

Matrix Spike And Matrix Spike Duplicate

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Surrogate Recovery MS/MSD

CASNO	Target Analyte	Spike Added	MS % Rec.	MS Flag	MSD % Rec.	MSD Flag	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	20000	94		99		74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	20000	104		106		79 - 120
2037-26-5	TOLUENE-D8	20000	96		102		83 - 120

Data Package ID: *VL0812200-2*

Prep Batch ID: VL081229-2

Start Date: 12/29/08
Start Time: 12:54
Prep Analyst: Tyler Knaebel

End Date: 12/29/08
End Time: 17:43

Concentration Method: NONE
Extract Method: SW5030C
Initial Volume Units: ml
Final Volume Units: ml

Batch Created By: twk
Date Created: 12/29/08
Time Created: 10:56
Validated By: twk
Date Validated: 12/30/08
Time Validated: 12:50

Comments:

5mL heated waters

QC Batch ID: VL081229-2-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
VL081229-2	MB	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0812200
VL081229-2	LCS	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0812200
VL081229-2	LCSD	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0812200
0812200-12	MS	15-22D	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-12	MSD	15-22D	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-10	SMP	10-22D	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-11	SMP	15-22B	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-12	SMP	15-22D	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-5	SMP	6-22D	WATER	12/17/2008	5	5	NONE	1	0812200
0812200-6	SMP	16-22D	WATER	12/17/2008	5	5	NONE	1	0812200

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicate
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

5A

Volatile Organic GC/MS Tuning And Mass Calibration--Bromofluorobenzene (BFB)

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

BFB Injection Date: 11/14/2008
BFB Injection Time: 11:25
Instrument ID: HPV2
Reported on: Wednesday, December 31, 2008

Level: Low **Column:** CAP **FileID:** B54461

m/e	Ion Abundance Criteria SW8260B	% Relative Abundance
50	15.0 - 40.0 percent of mass 95	19.9
75	30.0 - 60.0 percent of mass 95	40.5
95	Base peak, 100 percent of relative abundance	100
96	5.0 - 9.0 percent of mass 95	6.4
173	Less than 2.0 percent of mass 174	0
174	Greater than 50.0 percent of mass 95	62.9
175	5.0 - 9.0 percent of mass 174	7.2
176	Greater than 95.0 percent < 101.0 percent of mass 174	98.4
177	5.0 - 9.0 percent of mass 176	6.6

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	QC BatchID
XXXXXXX	VOC_2.0ppbCSTD	B54463	11/14/2008	12:01	VL081114-2A
XXXXXXX	VOC_5.0ppbCSTD	B54464	11/14/2008	12:25	VL081114-2A
XXXXXXX	VOC_10ppbCSTD	B54465	11/14/2008	12:47	VL081114-2A
XXXXXXX	VOC_20ppbCSTD	B54466	11/14/2008	13:11	VL081114-2A
XXXXXXX	VOC_50ppbCSTD	B54468	11/14/2008	13:57	VL081114-2A
XXXXXXX	VOC_75ppbCSTD	B54470	11/14/2008	14:42	VL081114-2A
XXXXXXX	VOC_100ppbCSTD	B54472	11/14/2008	15:28	VL081114-2A
XXXXXXX	VOC_150ppbCSTD	B54474	11/14/2008	16:16	VL081114-2A
XXXXXXX	VL081114-2ICV	B54477	11/14/2008	17:26	VL081114-2A
XXXXXXX	VL081114-2LCS	B54478	11/14/2008	17:50	VL081114-2-1
XXXXXXX	VL081114-2LCSD	B54479	11/14/2008	18:15	VL081114-2-1
XXXXXXX	VL081114-2MB	B54481	11/14/2008	19:01	VL081114-2-1
XXXXXXX	0810178-7	B54486	11/14/2008	20:56	VL081114-2-1

Data Package ID: *VL0812200-1*

5A

Volatile Organic GC/MS Tuning And Mass Calibration--Bromofluorobenzene (BFB)

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

BFB Injection Date: 12/23/2008
BFB Injection Time: 11:01
Instrument ID: HPV2
Reported on: Tuesday, December 30, 2008

Level: Low **Column:** CAP **FileID:** B54701

m/e	Ion Abundance Criteria SW8260B	% Relative Abundance
50	15.0 - 40.0 percent of mass 95	18.4
75	30.0 - 60.0 percent of mass 95	39.4
95	Base peak, 100 percent of relative abundance	100
96	5.0 - 9.0 percent of mass 95	6.8
173	Less than 2.0 percent of mass 174	0
174	Greater than 50.0 percent of mass 95	60.1
175	5.0 - 9.0 percent of mass 174	7.2
176	Greater than 95.0 percent < 101.0 percent of mass 174	99.7
177	5.0 - 9.0 percent of mass 176	6.7

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	QC BatchID
XXXXXXX	VL081223-2LCS	B54702	12/23/2008	11:25	VL081223-2-1
XXXXXXX	CCV1CCV	B54702	12/23/2008	11:25	VL081223-2A
XXXXXXX	VL081223-2LCSD	B54703	12/23/2008	11:47	VL081223-2-1
XXXXXXX	VL081223-2MB	B54705	12/23/2008	12:31	VL081223-2-1
7-22D	0812200-2	B54707	12/23/2008	13:22	VL081223-2-1
10-22B	0812200-3	B54708	12/23/2008	13:46	VL081223-2-1
9-22D	0812200-7	B54714	12/23/2008	16:08	VL081223-2-1
16-22B	0812200-8	B54715	12/23/2008	16:30	VL081223-2-1
7-22B	0812200-1	B54718	12/23/2008	17:37	VL081223-2-1
7-22B	0812200-1MS	B54719	12/23/2008	18:00	VL081223-2-1
7-22B	0812200-1MSD	B54720	12/23/2008	18:22	VL081223-2-1
6-22B	0812200-4	B54722	12/23/2008	19:07	VL081223-2-1
9-22B	0812200-9	B54724	12/23/2008	19:52	VL081223-2-1

Data Package ID: *VL0812200-1*

5A

Volatile Organic GC/MS Tuning And Mass Calibration--Bromofluorobenzene (BFB)

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

BFB Injection Date: 12/29/2008
BFB Injection Time: 12:54
Instrument ID: HPV2
Reported on: Tuesday, December 30, 2008

Level: Low **Column:** CAP **FileID:** B54763

m/e	Ion Abundance Criteria SW8260B	% Relative Abundance
50	15.0 - 40.0 percent of mass 95	18.8
75	30.0 - 60.0 percent of mass 95	40.1
95	Base peak, 100 percent of relative abundance	100
96	5.0 - 9.0 percent of mass 95	6.4
173	Less than 2.0 percent of mass 174	0
174	Greater than 50.0 percent of mass 95	62.8
175	5.0 - 9.0 percent of mass 174	7
176	Greater than 95.0 percent < 101.0 percent of mass 174	95.9
177	5.0 - 9.0 percent of mass 176	6.8

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	QC BatchID
XXXXXXX	CCV1CCV	B54764	12/29/2008	13:13	VL081229-2A
XXXXXXX	VL081229-2LCS	B54765	12/29/2008	13:35	VL081229-2-1
XXXXXXX	VL081229-2LCSD	B54766	12/29/2008	13:58	VL081229-2-1
XXXXXXX	VL081229-2MB	B54768	12/29/2008	14:42	VL081229-2-1
15-22D	0812200-12	B54769	12/29/2008	15:05	VL081229-2-1
15-22D	0812200-12MS	B54770	12/29/2008	15:29	VL081229-2-1
15-22D	0812200-12MSD	B54771	12/29/2008	15:51	VL081229-2-1
6-22D	0812200-5	B54773	12/29/2008	16:36	VL081229-2-1
16-22D	0812200-6	B54774	12/29/2008	16:58	VL081229-2-1
10-22D	0812200-10	B54775	12/29/2008	17:21	VL081229-2-1
15-22B	0812200-11	B54776	12/29/2008	17:43	VL081229-2-1

Data Package ID: *VL0812200-2*

Calibration ID:	111408S
Instrument ID:	HPV2
Calibration Date:	11/14/2008

Paragon Analytics / ALS Laboratory Group

Initial Calibration Report

Analyte	FileName:	B54463.D	B54464.D	B54465.D	B54466.D	B54468.D	B5	4470.D	B54472.D	B54474.D	AvgR	%RSD	Curve Type	Higher Order Equation			
	Cal LVL ID:	2	5	10	20	50	75	100	150					Corr	Quad Term	Linear Term	Const Term
fluorobenzene												ISTD	AvgRF				
dichlorodifluoromethane		0.3686	0.3869	0.3595	0.3808	0.4427	0.3847	0.3972	0.3940		0.3905	6.38	AvgRF				
chloromethane		0.6094	0.5605	0.5201	0.5291	0.5497	0.5017	0.4987	0.4805		0.5312	7.78 SPCC	AvgRF				
vinyl chloride		0.3113	0.3129	0.2815	0.2795	0.3134	0.3022	0.2940	0.2908		0.2982	4.63 CCC	AvgRF				
bromomethane		0.2261	0.2135	0.2097	0.1993	0.1846	0.1608	0.1471	0.1072		0.1810	22.16	quadratic	0.9996	-0.03776	0.220971	-0.00070
chloroethane		0.2571	0.2451	0.2350	0.2346	0.2401	0.2155	0.2109	0.1851		0.2279	10.05	AvgRF				
trichlorofluoromethane		0.4193	0.3957	0.3850	0.3787	0.4409	0.4119	0.4022	0.3989		0.4041	4.91	AvgRF				
ethanol		0.0043	0.0032	0.0031	0.0031	0.0038	0.0038	0.0036	0.0037		0.0036	11.36	AvgRF				
acrolein		0.0487	0.0478	0.0462	0.0457	0.0479	0.0493	0.0472	0.0475		0.0475	2.49	AvgRF				
1,1,2-trichloro-1,2,2-trifluoroethane		0.3149	0.2961	0.2880	0.2889	0.3204	0.3034	0.2983	0.2966		0.3008	3.86	AvgRF				
1,1-dichloroethene		0.2945	0.2878	0.2832	0.2880	0.2896	0.2747	0.2719	0.2653		0.2766	4.44 CCC	AvgRF				
acetone		0.0883	0.0395	0.0291	0.0233	0.0214	0.0226	0.0198	0.0209		0.0306	54.10	linear	0.9988		0.020059	0.006960
iodomethane		0.4747	0.4679	0.4572	0.4622	0.5024	0.4855	0.4736	0.4817		0.4757	3.01	AvgRF				
carbon disulfide		0.9559	0.8985	0.8797	0.8760	0.9941	0.9450	0.9407	0.9343		0.9278	4.40	AvgRF				
allyl chloride		0.1615	0.1593	0.1541	0.1547	0.1691	0.1676	0.1588	0.1628		0.1610	3.39	AvgRF				
acetonitrile		0.0342	0.0305	0.0263	0.0285	0.0273	0.0294	0.0271	0.0293		0.0291	8.63	AvgRF				
methylene chloride		0.3318	0.3082	0.3000	0.3068	0.3146	0.3072	0.3035	0.3131		0.3106	3.14	AvgRF				
tert-butanol		0.0328	0.0324	0.0282	0.0281	0.0316	0.0341	0.0291	0.0320		0.0310	7.21	AvgRF				
methyl tertiary butyl ether		0.6556	0.6460	0.6256	0.6313	0.6506	0.6510	0.6219	0.6535		0.6422	2.12	AvgRF				
trans-1,2-dichloroethene		0.3051	0.3078	0.3028	0.2919	0.3185	0.3088	0.2975	0.3000		0.3040	2.65	AvgRF				
acrylonitrile		0.0933	0.0939	0.0936	0.0913	0.0945	0.0975	0.0923	0.0937		0.0937	1.94	AvgRF				
isopropyl ether		1.1316	1.0874	1.0817	1.0638	1.1255	1.1126	1.0599	1.0738		1.0920	2.54	AvgRF				
vinyl acetate		0.5089	0.4648	0.4668	0.4785	0.4712	0.4915	0.4593	0.4725		0.4784	3.41	AvgRF				
1,1-dichloroethane		0.5732	0.5555	0.5398	0.5313	0.5789	0.5589	0.5331	0.5378		0.5508	3.26 SPCC	AvgRF				
chloroprene		0.4589	0.4515	0.4170	0.4133	0.4588	0.4511	0.4292	0.4308		0.4385	4.16	AvgRF				
ethyl tert-butyl ether		0.9189	0.8810	0.8877	0.8625	0.9029	0.8920	0.8489	0.8805		0.8818	2.57	AvgRF				
2,2-dichloropropane		0.3904	0.3635	0.3430	0.3270	0.3848	0.3823	0.3428	0.3356		0.3562	6.46	AvgRF				
2-butanone		0.1433	0.1260	0.1172	0.1141	0.1173	0.1283	0.1161	0.1171		0.1224	8.03	AvgRF				
cis-1,2-dichloroethene		0.3498	0.3402	0.3366	0.3284	0.3472	0.3386	0.3318	0.3318		0.3381	2.25	AvgRF				
propionitrile		0.0352	0.0355	0.0320	0.0320	0.0325	0.0354	0.0328	0.0338		0.0336	4.54	AvgRF				
methacrylonitrile		0.4434	0.4338	0.3966	0.3792	0.3990	0.4194	0.3938	0.4005		0.4082	5.35	AvgRF				
bromochloromethane		0.1649	0.1625	0.1504	0.1525	0.1620	0.1587	0.1570	0.1585		0.1583	3.16	AvgRF				
chloroform		0.5316	0.5072	0.4800	0.4812	0.5293	0.5131	0.5000	0.5023		0.5056	3.80 CCC	AvgRF				
dibromofluoromethane		0.2958	0.3010	0.2978	0.3018	0.3092	0.3106	0.3067	0.3075		0.3038	1.81 SUR	AvgRF				
1,1,1-trichloroethane		0.4198	0.4002	0.3951	0.3782	0.4288	0.4123	0.3968	0.3939		0.4032	4.03	AvgRF				
carbon tetrachloride		0.3594	0.3673	0.3481	0.3252	0.3748	0.3577	0.3469	0.3474		0.3536	4.25	AvgRF				
1,1-dichloropropene		0.4015	0.3661	0.3678	0.3537	0.3984	0.3822	0.3679	0.3614		0.3749	4.65	AvgRF				
1,2-dichloroethane-d4		0.2347	0.2395	0.2460	0.2448	0.2404	0.2465	0.2380	0.2426		0.2415	1.73 SUR	AvgRF				
isobutyl alcohol		0.0268	0.0261	0.0235	0.0233	0.0248	0.0254	0.0238	0.0244		0.0247	4.92	AvgRF				
tert-amyl methyl ether		0.8074	0.7273	0.6778	0.6981	0.7211	0.7057	0.6749	0.6883		0.7123	6.01	AvgRF				
benzene		1.1662	1.0771	1.0507	1.0220	1.0887	1.0473	1.0201	0.9958		1.0585	5.02	AvgRF				
1,2-dichloroethane		0.3511	0.3289	0.3217	0.3248	0.3335	0.3354	0.3250	0.3324		0.3316	2.78	AvgRF				
trichloroethene		0.3146	0.3023	0.2885	0.2812	0.3162	0.3052	0.2961	0.2895		0.2992	4.22	AvgRF				
1,2-dichloropropane		0.3183	0.3108	0.2949	0.2919	0.3109	0.3045	0.2937	0.2952		0.3025	3.29 CCC	AvgRF				
methyl methacrylate		0.1515	0.1532	0.1528	0.1523	0.1557	0.1632	0.1562	0.1643		0.1561	3.19	AvgRF				
1,4-dioxane		0.0024	0.0024	0.0021	0.0022	0.0025	0.0026	0.0024	0.0026		0.0024	7.27	AvgRF				
dibromomethane		0.2225	0.1952	0.1966	0.1977	0.2052	0.2092	0.1985	0.2034		0.2035	4.44	AvgRF				
bromodichloromethane		0.3832	0.3635	0.3476	0.3596	0.3779	0.3841	0.3679	0.3725		0.3670	3.09	AvgRF				
2-chloroethyl vinyl ether		0.1508	0.1284	0.1358	0.1303	0.1454	0.1534	0.1463	0.1484		0.1423	6.69	AvgRF				
2-pentanone																	
cis-1,3-dichloropropene		0.4659	0.4221	0.4155	0.4257	0.4594	0.4631	0.4455	0.4511		0.4423	4.23	AvgRF				
4-methyl-2-pentanone		0.2991	0.2549	0.2425	0.2484	0.2416	0.2661	0.2405	0.2452		0.2548	7.79	AvgRF				
chlorobenzene-d5												ISTD	AvgRF				
toluene-d8		0.8115	0.7988	0.7916	0.7635	0.8366	0.8568	0.8397	0.8095		0.8260	5.46 SUR	AvgRF				
toluene		1.6175	1.4874	1.3963	1.3387	1.5645	1.5307	1.4859	1.5495		1.4938	6.15 CCC	AvgRF				
ethyl methacrylate		0.4304	0.4137	0.3977	0.3907	0.4399	0.4736	0.4380	0.4836		0.4336	7.65	AvgRF				
trans-1,3-dichloropropene		0.5785	0.5075	0.4687	0.4735	0.5464	0.5559	0.5178	0.5804		0.5286	8.28	AvgRF				
1,1,2-trichloroethane		0.3263	0.3165	0.2674	0.2598	0.2852	0.3000	0.2771	0.3008		0.2916	8.03	AvgRF				
tetrachloroethene		0.2715	0.2477	0.2302	0.2128	0.2528	0.2503	0.2377	0.2535		0.2446	7.22	AvgRF				
2-hexanone		0.3047	0.2586	0.2282	0.2232	0.2423	0.2744	0.2437	0.2686		0.2552	10.53	AvgRF				
1,3-dichloropropane		0.6031	0.5190	0.4874	0.4816	0.5320	0.5417	0.5048	0.5448		0.5268	7.36	AvgRF				
dibromochloromethane		0.4286	0.3871	0.3714	0.3822	0.4437	0.4576	0.4292	0.4682		0.4210	8.67	AvgRF				
1,2-dibromoethane		0.4165	0.3804	0.3553	0.3448	0.3850	0.4089	0.3705	0.4133		0.3843	7.02	AvgRF				
1-chlorohexane		0.5796	0.5331	0.5221	0.4715	0.5779	0.5753	0.5294	0.5584		0.5434	6.84	AvgRF				
chlorobenzene		1.0572	0.9698	0.9882	0.8751	1.0077	1.0039	0.9302	0.9924		0.9688	6.74 SPCC	AvgRF				
ethylbenzene		1.7775	1.6693	1.5267	1.4257	1.6823	1.6653	1.5730	1.6519		1.6214	6.71 CCC	AvgRF				

Operator: sdw-sop525r12 Notes: 5mls htd water

Calibration ID:	111408S
Instrument ID:	HPV2
Calibration Date:	11/14/2008

Paragon Analytics / ALS Laboratory Group.

Initial Calibration Report

Analyte	FileName:	B54463.D	B54464.D	B54465.D	B54466.D	B54468.D	B5	4470.D	B54472.D	B54474.D	AvgR	%RSD		Curve Type	Higher Order Equation			
	Cal LVL ID:	2	5	10	20	50	75	100	150						Corr	Quad Term	Linear Term	Const Term
1,1,1,2-tetrachloroethane		0.3753	0.3288	0.3063	0.3063	0.3425	0.3450	0.3276	0.3576		0.3362	7.12		AvgRF				
m+p-xylene		0.6858	0.6214	0.5853	0.5619	0.6707	0.6332	0.5981	0.6284		0.6231	6.68		AvgRF				
o-xylene		0.6771	0.6396	0.5942	0.5605	0.6862	0.6556	0.6077	0.6472		0.6310	6.33		AvgRF				
styrene		1.1248	1.0078	0.9211	0.9083	1.0583	1.0564	0.9872	1.0678		1.0177	7.46		AvgRF				
bromoform		0.2324	0.2165	0.1984	0.2003	0.2300	0.2511	0.2300	0.2562		0.2269	9.31	SPCC	AvgRF				
isopropylbenzene		1.6250	1.5434	1.4612	1.3751	1.6045	1.5458	1.5126	1.5610		1.5286	5.25		AvgRF				
1,4-dichlorobenzene-d4													ISTD	AvgRF				
4-bromofluorobenzene		0.2960	0.2925	0.2873	0.2769	0.3099	0.3146	0.3073	0.3319		0.3020	5.75	SUR	AvgRF				
1,1,2,2-tetrachloroethane		1.5273	1.2886	1.2143	1.1738	1.1465	1.2583	1.0716	1.1080		1.2208	11.62	SPCC	AvgRF				
trans-1,4-dichloro-2-butene		0.3018	0.2435	0.2237	0.2313	0.2463	0.2728	0.2408	0.2404		0.2500	10.12		AvgRF				
n-propylbenzene		5.9268	5.3724	5.3099	5.2098	5.4391	5.4042	5.0872	5.0727		5.3502	5.11		AvgRF				
1,2,3-trichloropropane		0.3983	0.3215	0.3135	0.3121	0.2953	0.3210	0.2827	0.2956		0.3175	11.16		AvgRF				
bromobenzene		1.0548	0.8941	0.9420	0.8875	0.9269	0.9557	0.8641	0.8761		0.9251	6.66		AvgRF				
1,3,5-trimethylbenzene		3.8325	3.5168	3.5097	3.4756	3.5548	3.5627	3.3272	3.2929		3.5090	4.70		AvgRF				
2-chlorotoluene		1.1275	1.0463	1.0263	0.9501	1.0050	1.0027	0.9516	0.9412		1.0076	6.05		AvgRF				
4-chlorotoluene		1.0901	1.0187	0.9417	0.9321	0.9980	0.9901	0.9351	0.9227		0.9848	5.51		AvgRF				
tert-butylbenzene		0.6261	0.6279	0.6462	0.5869	0.6262	0.5892	0.5911	0.5780		0.6086	4.22		AvgRF				
1,2,4-trimethylbenzene		3.8447	3.5225	3.4830	3.3983	3.5249	3.4364	3.2765	3.3344		3.4776	4.96		AvgRF				
sec-butylbenzene		5.2144	4.8719	4.7486	4.5915	4.7889	4.8246	4.5781	4.4171		4.7544	5.05		AvgRF				
p-isopropyltoluene		4.2428	3.7181	3.6182	3.5150	3.6930	3.6400	3.4796	3.4744		3.6726	6.77		AvgRF				
1,3-dichlorobenzene		1.9188	1.6748	1.6914	1.6596	1.6840	1.6894	1.6168	1.6508		1.6983	5.47		AvgRF				
1,4-dichlorobenzene		1.8605	1.6103	1.5869	1.5625	1.6101	1.6352	1.5358	1.5478		1.6186	6.39		AvgRF				
n-butylbenzene		4.0355	3.6557	3.6427	3.5528	3.7377	3.7341	3.5568	3.3858		3.6626	5.16		AvgRF				
1,2-dichlorobenzene		1.8793	1.5822	1.5171	1.5434	1.5579	1.6013	1.4981	1.4999		1.5847	7.88		AvgRF				
hexachloroethane		0.4649	0.4692	0.4815	0.4586	0.5054	0.5048	0.4881	0.4884		0.4824	3.61		AvgRF				
1,2-dibromo-3-chloropropane		0.1760	0.1653	0.1582	0.1514	0.1598	0.1843	0.1636	0.1749		0.1667	6.53		AvgRF				
1,2,4-trichlorobenzene		1.0917	0.8954	0.8664	0.9263	0.9707	0.9831	0.9804	0.9771		0.9614	7.12		AvgRF				
hexachlorobutadiene		0.6302	0.5529	0.5480	0.5600	0.5473	0.5639	0.5595	0.5285		0.5613	5.33		AvgRF				
naphthalene		2.5876	2.0613	1.9277	2.0053	2.0645	2.2361	2.1375	2.2202		2.1525	9.16		AvgRF				
1,2,3-trichlorobenzene		0.9267	0.7436	0.7111	0.7755	0.7899	0.8271	0.8017	0.7916		0.7961	8.09		AvgRF				

Average RSD = 6.40

Concentration Multipliers:

keytones - 4X
acrolein, acrylonitrile, acetonitrile, propionile - 10X
methly-t-butyl-ether, m,p-xylene - 2X
ethanol, isobutyl alcohol, 1,4-dioxane - 20X
tert-butanol - 5X

Operator: sdw-sop525r12 Notes: 5mls htd water

Paragon Analytics

Initial Calibration Verification

Lab Sample ID:	VL081114-2ICV	**Calibration ID:**	111408S
Analysis Date:	11/14/2008	**Instrument ID:**	HPV2
File Name:	B54477	**Calibration Date:**	11/14/2008

	Analyte	AvgRF	CCRF	Expected Conc.	Found Conc.	%Dev. or % Drift	%Diff (Area)	RT Dev.	Curve Type
1) ISTD	fluorobenzene						3.1	0.001	AvgRF
2)	dichlorodifluoromethane	0.3905	0.3907			0.0		-0.003	AvgRF
3) SPCC	chloromethane	0.5312	0.5005			-5.8		0.002	AvgRF
4) CCC	vinyl chloride	0.2982	0.2809			-5.8		-0.001	AvgRF
5)	bromomethane			50.000	47.48	-5.0		0.001	quadratic
6)	chloroethane	0.2279	0.2135			-6.3		-0.002	AvgRF
7)	trichlorofluoromethane	0.4041	0.3749			-7.2		0.005	AvgRF
8)	ethanol	0.0036	0.0044			23.1		-0.002	AvgRF
9)	acrolein	0.0475	0.0516			8.6		-0.002	AvgRF
10)	1,1,2-trichloro-1,2,2-trifluoroethan e	0.3008	0.2841			-5.5		0.004	AvgRF
11) CCC	1,1-dichloroethene	0.2766	0.2673			-3.4		0.004	AvgRF
12)	acetone			200.000	220.60	10.3		0.003	linear
13)	iodomethane	0.4757	0.5095			7.1		0.001	AvgRF
14)	carbon disulfide	0.9278	0.9268			-0.1		0.002	AvgRF
15)	allyl chloride	0.1610	0.1550			-3.7		-0.004	AvgRF
16)	acetonitrile	0.0291	0.0316			8.7		0.004	AvgRF
17)	methylene chloride	0.3106	0.3252			4.7		0.004	AvgRF
18)	tert-butanol	0.0310	0.0346			11.6		-0.001	AvgRF
19)	methyl tertiary butyl ether	0.6422	0.6961			8.4		-0.001	AvgRF
20)	trans-1,2-dichloroethene	0.3040	0.3052			0.4		0.001	AvgRF
21)	acrylonitrile	0.0937	0.1012			8.0		-0.001	AvgRF
22)	isopropyl ether	1.0920	1.0777			-1.3		0.003	AvgRF
23)	vinyl acetate	0.4764	0.4454			-6.5		-0.003	AvgRF
24) SPCC	1,1-dichloroethane	0.5508	0.5572			1.2		0.000	AvgRF
25)	chloroprene	0.4385	0.4133			-5.7		0.000	AvgRF
26)	ethyl tert-butyl ether	0.8818	0.8941			1.4		-0.003	AvgRF
27)	2,2-dichloropropane	0.3562	0.3231			-9.3		-0.002	AvgRF
28)	2-butanone	0.1224	0.1292			5.6		0.002	AvgRF
29)	cis-1,2-dichloroethene	0.3381	0.3413			1.0		0.001	AvgRF
30)	propionitrile	0.0336	0.0380			12.9		-0.003	AvgRF
31)	methacrylonitrile	0.4082	0.4566			11.8		-0.003	AvgRF
32)	bromochloromethane	0.1583	0.1692			6.9		-0.003	AvgRF
33) CCC	chloroform	0.5056	0.5124			1.4		-0.003	AvgRF
35)	1,1,1-trichloroethane	0.4032	0.3920			-2.8		0.002	AvgRF
36)	carbon tetrachloride	0.3536	0.3418			-3.3		0.003	AvgRF
37)	1,1-dichloropropene	0.3749	0.3618			-3.5		0.001	AvgRF
39)	isobutyl alcohol	0.0247	0.0276			11.5		-0.003	AvgRF
40)	tert-amyl methyl ether	0.7123	0.7145			0.3		-0.004	AvgRF
41)	benzene	1.0585	1.0776			1.8		-0.003	AvgRF
42)	1,2-dichloroethane	0.3316	0.3513			6.0		0.004	AvgRF
43)	trichloroethene	0.2992	0.2923			-2.3		-0.001	AvgRF
44) CCC	1,2-dichloropropane	0.3025	0.3223			6.5		0.001	AvgRF
45)	methyl methacrylate	0.1561	0.1755			12.4		0.000	AvgRF
46)	1,4-dioxane	0.0024	0.0031			29.5		-0.002	AvgRF
47)	dibromomethane	0.2035	0.2184			7.3		0.002	AvgRF
48)	bromodichloromethane	0.3670	0.3915			6.7		0.001	AvgRF
49)	2-chloroethyl vinyl ether	0.1423	0.1570			10.3		0.004	AvgRF
50)	cis-1,3-dichloropropene	0.4423	0.4650			5.1		0.002	AvgRF
50)	2-pentanone			SYS01	SYS02			0.000	
51)	4-methyl-2-pentanone	0.2548	0.2726			7.0		-0.005	AvgRF
52) ISTD	chlorobenzene-d5						4.6	0.000	AvgRF
54) CCC	toluene	1.4938	1.4783			-1.0		-0.001	AvgRF
55)	ethyl methacrylate	0.4336	0.4847			11.8		0.003	AvgRF
56)	trans-1,3-dichloropropene	0.5286	0.5445			3.0		0.004	AvgRF
57)	1,1,2-trichloroethane	0.2916	0.3035			4.1		0.002	AvgRF
58)	tetrachloroethene	0.2446	0.2365			-3.3		0.004	AvgRF
59)	2-hexanone	0.2552	0.2711			6.2		-0.005	AvgRF
60)	1,3-dichloropropane	0.5268	0.5526			4.9		-0.002	AvgRF
61)	dibromochloromethane	0.4210	0.4518			7.3		0.000	AvgRF
62)	1,2-dibromoethane	0.3843	0.4174			8.6		-0.004	AvgRF
63)	1-chlorohexane	0.5434	0.5070			-6.7		0.001	AvgRF
64) SPCC	chlorobenzene	0.9668	0.9798			1.3		0.000	AvgRF
65) CCC	ethylbenzene	1.6214	1.5972			-1.5		0.000	AvgRF

Operator: sdw-sop525r12

Paragon Analytics

Initial Calibration Verification

Lab Sample ID:	VL081114-2ICV	**Calibration ID:**	111408S
Analysis Date:	11/14/2008	**Instrument ID:**	HPV2
File Name:	B54477	**Calibration Date:**	11/14/2008

	Analyte	AvgRF	CCRF	Expected Conc.	Found Conc.	%Dev. or % Drift	%Diff (Area)	RT Dev.	Curve Type
66)	1,1,1,2-tetrachloroethane	0.3362	0.3534			5.1		0.000	AvgRF
67)	m+p-xylene	0.6231	0.6153			-1.2		-0.001	AvgRF
68)	o-xylene	0.6310	0.6382			1.1		0.004	AvgRF
69)	styrene	1.0177	1.0404			2.2		0.003	AvgRF
70) SPCC	bromoform	0.2269	0.2426			7.0		0.002	AvgRF
71)	isopropylbenzene	1.5286	1.4967			-2.1		0.000	AvgRF
72) ISTD	1,4-dichlorobenzene-d4						3.1	0.003	AvgRF
75) SPCC	1,1,2,2-tetrachloroethane	1.2208	1.2551			2.8		-0.005	AvgRF
76)	trans-1,4-dichloro-2-butene	0.2500	0.2645			5.8		0.003	AvgRF
77)	n-propylbenzene	5.3502	5.0862			-4.9		-0.004	AvgRF
78)	1,2,3-trichloropropane	0.3175	0.3224			1.5		0.003	AvgRF
79)	bromobenzene	0.9251	0.9362			1.2		0.005	AvgRF
80)	1,3,5-trimethylbenzene	3.5090	3.3577			-4.3		0.004	AvgRF
81)	2-chlorotoluene	1.0076	0.9597			-4.8		0.003	AvgRF
82)	4-chlorotoluene	0.9848	0.9368			-4.9		0.001	AvgRF
83)	tert-butylbenzene	0.6086	0.5852			-3.8		0.000	AvgRF
84)	1,2,4-trimethylbenzene	3.4776	3.3012			-5.1		-0.001	AvgRF
85)	sec-butylbenzene	4.7544	4.3434			-8.6		-0.002	AvgRF
86)	p-isopropyltoluene	3.6726	3.3608			-8.5		-0.004	AvgRF
87)	1,3-dichlorobenzene	1.6983	1.6528			-2.7		0.004	AvgRF
88)	1,4-dichlorobenzene	1.6186	1.5797			-2.4		0.003	AvgRF
89)	n-butylbenzene	3.6626	3.2928			-10.1		0.001	AvgRF
90)	1,2-dichlorobenzene	1.5847	1.5696			-0.9		-0.002	AvgRF
91)	hexachloroethane	0.4824	0.4650			-3.6		-0.002	AvgRF
92)	1,2-dibromo-3-chloropropane	0.1667	0.1854			11.3		-0.002	AvgRF
93)	1,2,4-trichlorobenzene	0.9614	0.9248			-3.8		-0.002	AvgRF
94)	hexachlorobutadiene	0.5613	0.4912			-12.5		-0.001	AvgRF
95)	naphthalene	2.1525	2.2796			5.9		0.002	AvgRF
96)	1,2,3-trichlorobenzene	0.7961	0.8044			1.0		-0.001	AvgRF

Operator: sdw-sop525r12

SDW 11-17-08

ALS Paragon

Continuing Calibration Verification

Lab Sample ID:	VL081223-2CCV	**Calibration ID:**	111408S
Analysis Date:	12/23/2008	**Instrument ID:**	HPV2
File Name:	B54702	**Calibration Date:**	11/14/2008

	Analyte	AvgRF	CCRF	Expected Conc.	Found Conc.	%Dev. or % Drift	%Diff (Area)	RT Dev.	Curve Type
1) ISTD	fluorobenzene						1.1	-0.009	AvgRF
3) SPCC	chloromethane	0.5312	0.5304			-0.1		0.001	AvgRF
4) CCC	vinyl chloride	0.2982	0.2999			0.6		-0.001	AvgRF
11) CCC	1,1-dichloroethene	0.2766	0.2942			6.4		-0.016	AvgRF
24) SPCC	1,1-dichloroethane	0.5508	0.5870			6.6		-0.001	AvgRF
33) CCC	chloroform	0.5056	0.5565			10.1		-0.014	AvgRF
41)	benzene	1.0585	1.1560			9.2		-0.014	AvgRF
44) CCC	1,2-dichloropropane	0.3025	0.3250			7.4		-0.009	AvgRF
52) ISTD	chlorobenzene-d5						4.7	0.000	AvgRF
54) CCC	toluene	1.4938	1.5039			0.7		-0.011	AvgRF
64) SPCC	chlorobenzene	0.9668	1.0010			3.5		0.000	AvgRF
65) CCC	ethylbenzene	1.6214	1.6078			-0.8		0.000	AvgRF
67)	m+p-xylene	0.6231	0.6251			0.3		-0.001	AvgRF
68)	o-xylene	0.6310	0.6330			0.3		-0.016	AvgRF
70) SPCC	bromoform	0.2269	0.2265			-0.2		0.002	AvgRF
72) ISTD	1,4-dichlorobenzene-d4						0.4	-0.007	AvgRF
75) SPCC	1,1,2,2-tetrachloroethane	1.2208	1.1252			-7.8		-0.005	AvgRF

Nickname Filters

8260_BTEX

Operator: sdw-sop525r12

an 12/30/08

ALS Paragon

Continuing Calibration Verification

Lab Sample ID:	VL081229-2CCV	**Calibration ID:**	111408S
Analysis Date:	12/29/2008	**Instrument ID:**	HPV2
File Name:	B54764	**Calibration Date:**	11/14/2008

	Analyte	AvgRF	CCRF	Expected Conc.	Found Conc.	%Dev. or % Drift	%Diff (Area)	RT Dev.	Curve Type
1) ISTD	fluorobenzene						3.0	0.021	AvgRF
3) SPCC	chloromethane	0.5312	0.5287			-0.5		0.041	AvgRF
4) CCC	vinyl chloride	0.2982	0.2978			-0.1		0.039	AvgRF
11) CCC	1,1-dichloroethene	0.2766	0.2936			6.2		0.034	AvgRF
24) SPCC	1,1-dichloroethane	0.5508	0.5665			2.8		0.039	AvgRF
33) CCC	chloroform	0.5056	0.5394			6.7		0.026	AvgRF
41)	benzene	1.0585	1.1284			6.6		0.026	AvgRF
44) CCC	1,2-dichloropropane	0.3025	0.3122			3.2		0.031	AvgRF
52) ISTD	chlorobenzene-d5						4.5	0.030	AvgRF
54) CCC	toluene	1.4938	1.4110			-5.5		0.019	AvgRF
64) SPCC	chlorobenzene	0.9668	0.9202			-4.8		0.020	AvgRF
65) CCC	ethylbenzene	1.6214	1.5010			-7.4		0.020	AvgRF
67)	m+p-xylene	0.6231	0.5829			-6.5		0.019	AvgRF
68)	o-xylene	0.6310	0.5908			-6.4		0.014	AvgRF
70) SPCC	bromoform	0.2269	0.2133			-6.0		0.032	AvgRF
72) ISTD	1,4-dichlorobenzene-d4						6.3	0.023	AvgRF
75) SPCC	1,1,2,2-tetrachloroethane	1.2208	1.0158			-16.8		0.015	AvgRF

Nickname Filters

8260_BTEX

Operator: sdw-sop525r12

12/30/08

8A

Volatile Internal Standard Area Summary

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Date Analyzed: 12/23/2008
Time Analyzed: 11:25
Reported on: Tuesday, December 30, 2008

Instrument ID: HPV2
Lab File ID: B54702

	IS1		IS2		IS3		IS4		IS5		IS6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
12 Hour STD	1258617	10.19	909718	12.88	334671	14.66						
Upper Limit	2517234	10.7	1819436	13.4	669342	15.2						
Lower Limit	629309	9.69	454859	12.4	167336	14.2						
Lab Sample ID												
VL081223-2LCS	1258617	10.19	909718	12.88	334671	14.66						
VL081223-2LCSD	1304261	10.19	893945	12.88	342398	14.67						
VL081223-2MB	1282138	10.19	868009	12.88	308821	14.65						
0812200-2	1202952	10.19	826015	12.88	306697	14.66						
0812200-3	1200083	10.19	829666	12.88	312486	14.66						
0812200-7	1249694	10.19	847654	12.88	323088	14.65						
0812200-8	1249499	10.18	843705	12.87	315561	14.66						
0812200-1	1183629	10.18	794570	12.87	297583	14.65						
0812200-1MS	1262836	10.18	888890	12.87	329960	14.65						
0812200-1MSD	1226603	10.18	845066	12.87	322545	14.65						
0812200-4	1218227	10.18	821262	12.87	309121	14.65						
0812200-9	1232136	10.18	847369	12.88	310016	14.65						

Shaded values exceed established area count limits.

LIMS Version: 6.221A

Upper Limit = + 100 percent of internal standard area.
Lower Limit = - 50 percent of internal standard area.

8A

Volatile Internal Standard Area Summary

Lab Name: ALS Paragon
Work Order Number: 0812200
Client Name: Cordilleran Compliance Services, Inc.
ClientProject ID: Rulison Area Well Monitoring

Date Analyzed: 12/29/2008
Time Analyzed: 13:13
Reported on: Tuesday, December 30, 2008

Instrument ID: HPV2
Lab File ID: B54764

	IS1		IS2		IS3		IS4		IS5		IS6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
12 Hour STD	1208099	10.16	908343	12.85	357970	14.63						
Upper Limit	2416198	10.7	1816686	13.4	715940	15.1						
Lower Limit	604050	9.66	454172	12.4	178985	14.1						
Lab Sample ID												
VL081229-2LCS	1190213	10.15	868788	12.85	335138	14.63						
VL081229-2LCSD	1256578	10.15	913948	12.85	367245	14.63						
VL081229-2MB	1226674	10.15	883918	12.85	336016	14.64						
0812200-12	1229509	10.15	900937	12.85	340134	14.64						
0812200-12MS	1162680	10.16	899812	12.86	343674	14.63						
0812200-12MSD	1197873	10.16	874509	12.86	353774	14.63						
0812200-5	1249404	10.16	917678	12.86	347483	14.64						
0812200-6	1254544	10.16	909292	12.86	351955	14.63						
0812200-10	1250963	10.16	915736	12.86	349809	14.64						
0812200-11	1203092	10.16	883325	12.86	336949	14.63						

Shaded values exceed established area count limits.

LIMS Version: 6.221A

Upper Limit = + 100 percent of internal standard area.

Lower Limit = - 50 percent of internal standard area.

Supporting Raw Data

GCMS Volatile Instrument Run Log - HPV2
ALS Laboratory Group

SPW 11-17-08

BFB - ST081114-2	
Source A	Source B
cal - ST081021-1	cal - ST081015-12
gas - ST081113-2	gas - ST081113-9
a-9 - ST081113-5	a-9 - ST081015-13
oxy - ST081113-6	oxy - ST081015-14
a&a - ST081113-7	a&a - ST081113-8
2-pent - NA	2-pent - NA

Sequence Name: C:\HPCHEM\1\SEQUENCE\111408.S
Comment: HPV2: 5mL htd purge: Serial Number 3188A03493
Data Path: C:\HPchem\1\DATA\111408\
Operator: sdw-sop525r12 Analysis Date: 11-14-2008 SPW
Istd\Surr ID's (0.71779uL): ST081111-1 \ ST081103-4 Standard ID's:
Logbook Number: 3094 purge time: 8.0 min. desorb time & temp.: 1.0 min. @ 190 C

Vial	DataFile	Method	Sample Name	Dil.	Samp. Amt.	RA?	pH<2?	HS?	Comment
40	B54458	111408S	Blank	1X	5mls.	ND	NA	NA	
41	B54459	111408S	Blank						
42	B54460	111408S	Blank						
100	B54461	BFB2	BFB TUNE 1		1µL				BFB injected @ 1125
1	B54462	111408S	Blank		5mls.				
2	B54463	111408S	VOC_2.0ppb_CSTD						2.0µL to 5mls source A
3	B54464	111408S	VOC_5.0ppb_CSTD						5.0
4	B54465	111408S	VOC_10ppb_CSTD						10
5	B54466	111408S	VOC_20ppb_CSTD						20
6	B54467	111408S	Blank						
7	B54468	111408S	VOC_50ppb_ISDEF						5µL to 5mls source A
8	B54469	111408S	Blank						
9	B54470	111408S	VOC_75ppb_CSTD						7.5µL to 5mls source A
10	B54471	111408S	Blank						
11	B54472	111408S	VOC_100ppb_CSTD						10µL to 5mls source A
12	B54473	111408S	Blank						
13	B54474	111408S	VOC_150ppb_CSTD						15µL to 5mls source A
14	B54475	111408S	Blank						
15	B54476	111408S	Blank						
16	B54477	111408S	VL081114-2ICV						5µL to 5mls source B (50ppb)
17	B54478	111408S	VL081114-2LCS		5grams.				
18	B54479	111408S	VL081114-2LCSD						
19	B54480	111408S	Blank		5mls.				
20	B54481	111408S	VL081114-2MB		5grms.				All < MDL
21	B54482	111408S	0810178-7 10X	10X	*				PE sample TOO DILUTE - NOT USED
22	B54483	111408S	Blank	1X	5mls.				
23	B54484	111408S	0810178-7 10X	10X	*				PE sample TOO DILUTE - NOT USED
24	B54485	111408S	Blank	1X	5mls.				
25	B54486	111408S	0810178-7 2.5X	2.5X	*				PE sample
26	B54487	111408S	Blank	1X	5mls.				
27	B54488	111408S	0810178-7 2.5X	2.5X	*				PE sample
28	B54489	111408S	Blank	1X	5mls.				
29	B54490	111408S	0810178-7		*				PE sample & Targets > ICAL; injected @ 2228
30	B54491	111408S	Blank		5mls.				
31	B54492	111408S	0810178-7		*				PE sample Archon Malfunction - Samples NOT analyzed
32	B54493	111408S	Blank		5mls.				
33	B54494	111408S	Blank						
34	B54495	111408S	Blank						

* =

0810178-7 10X	=	5uL 0810178-7-1(ampule) to 5mls water to 5grams 0810178-7-3(soil/sand)
0810178-7 2.5X	=	20uL 0810178-7-1(ampule) to 5mls water to 5grams 0810178-7-3(soil/sand)
0810178-7	=	50uL 0810178-7-1(ampule) to 5mls water to 5grams 0810178-7-3(soil/sand)

SPW 11-17-08

Last Modified: Sun Nov 16 10:25:53 2008□□Balance 6 Page:858

GCMS Volatile Instrument Run Log - HPV2
ALS Laboratory Group

Sequence Name: C:\HPCHEM\1\SEQUENCE\122308.S
Comment: HPV2: 5mL htd purge: Serial Number 3188A03493
Data Path: C:\HPchem\1\DATA\122308\
Operator: TWK-sop525r12 Analysis Date: 12/23/08 ac
Istd\Surr ID's (0.71779uL): STO81223-3 \STO81124-2 Standard ID's: STO81210-3,-4,-5/STO81218-2 (CALSTD's)
Logbook Number: 3094 purge time: 9 min. desorb time & temp.: 1 min. @ 190° C

Vial	DataFile	Method	Sample Name	Dil.	Samp. Amt.	RA?	pH<2?	HS?	Comment
1	B54696	111408S	Blank	1	5.0mL	NO	NA	NA	
2	B54697	111408S	Blank						
3	B54698	111408S	Blank						
4	B54699	111408S	Blank						
5	B54700	111408S	Prime						
100	B54701	BFB2	BFB TUNE1		1µL				STO81215-3 injection @ 11:01
6	B54702	111408S	VL081223-2CCS		5.0mL				5µL each (CALSTD's) to 5mL
7	B54703	111408S	VL081223-2LCSD						
8	B54704	111408S	Blank						
9	B54705	111408S	VL081223-2MB						All targets <MDL
10	B54706	111408S	0812200-1 200X	200	25µL/5mL	YES	pH~4	YES>pea	high target - report B54718
11	B54707	111408S	0812200-2 400X	400	12.5µL	NO	pH~5		
12	B54708	111408S	0812200-3 500X	500	10µL	NO	pH~6		
13	B54709	111408S	0812200-4 500X	500	10µL	YES	pH~7		"top phase" - likely used for dilution (NA)
13	B54710	111408S	BLANK	1	5.0mL	YES	NA	NA	targets >RL
14	B54711	111408S	BLANK	1		NO	NA	NA	targets <RL
15	B54712	111408S	0812200-5 400X	400	12.5µL/5mL	YES	pH~6	YES>pea	RR for ↓RL's report B54773
16	B54713	111408S	0812200-6 400X	400	12.5µL	YES			RR for ↓RL's ↓ B54774
17	B54714	111408S	0812200-7 500X	500	10µL	NO			
18	B54715	111408S	0812200-8 400X	400	12.5µL	NO	pH~4		
19	B54716	111408S	0812200-10 500X	500	10µL	YES	pH~7		RR for ↓RL's report B54775
20	B54717	111408S	0812200-11 400X	400	12.5µL	YES	pH~5		RR for ↓RL's ↓ B54776
21	B54718	111408S	0812200-1 400X	400		NO	pH~4		
22	B54719	111408S	0812200-1MS 400X	400					5µL each (CALSTD's) to 5mL
23	B54720	111408S	0812200-1MSD 400X	400					
24	B54721	111408S	BLANK	1	5.0mL		NA	NA	
25	B54722	111408S	0812200-4 500X	500	10µL/5mL		pH~7	YES>pea	
26	B54723	111408S	0812200-2 1000X	1000	5µL		pH~5		NOT NEEDED
27	B54724	111408S	0812200-9 1000X	1000	5µL		YES pH~6		desorb @ 19:52
28	B54725	111408S	BLANK	1	5.0mL		NA	NA	
29	B54726	111408S	BLANK	1			NA	NA	

GCMS Volatile Instrument Run Log - HPV2
ALS Laboratory Group

Sequence Name: C:\HPCHEM\1\SEQUENCE\122908.S
Comment: HPV2: 5mL htd purge: Serial Number 3188A03493
Data Path: C:\HPchem\1\DATA\122908\
Operator: TWK-sop525r12 Analysis Date: 12/29/08 mk
Istd\Surr ID's (0.71779uL): ST081223-3 \ST081229-1 Standard ID's: ST081210-3,-4,-5/ST081229-2 (CAL STD's)
Logbook Number: 3094 purge time: 8 min. desorb time & temp.: 1 min. @ 190° C

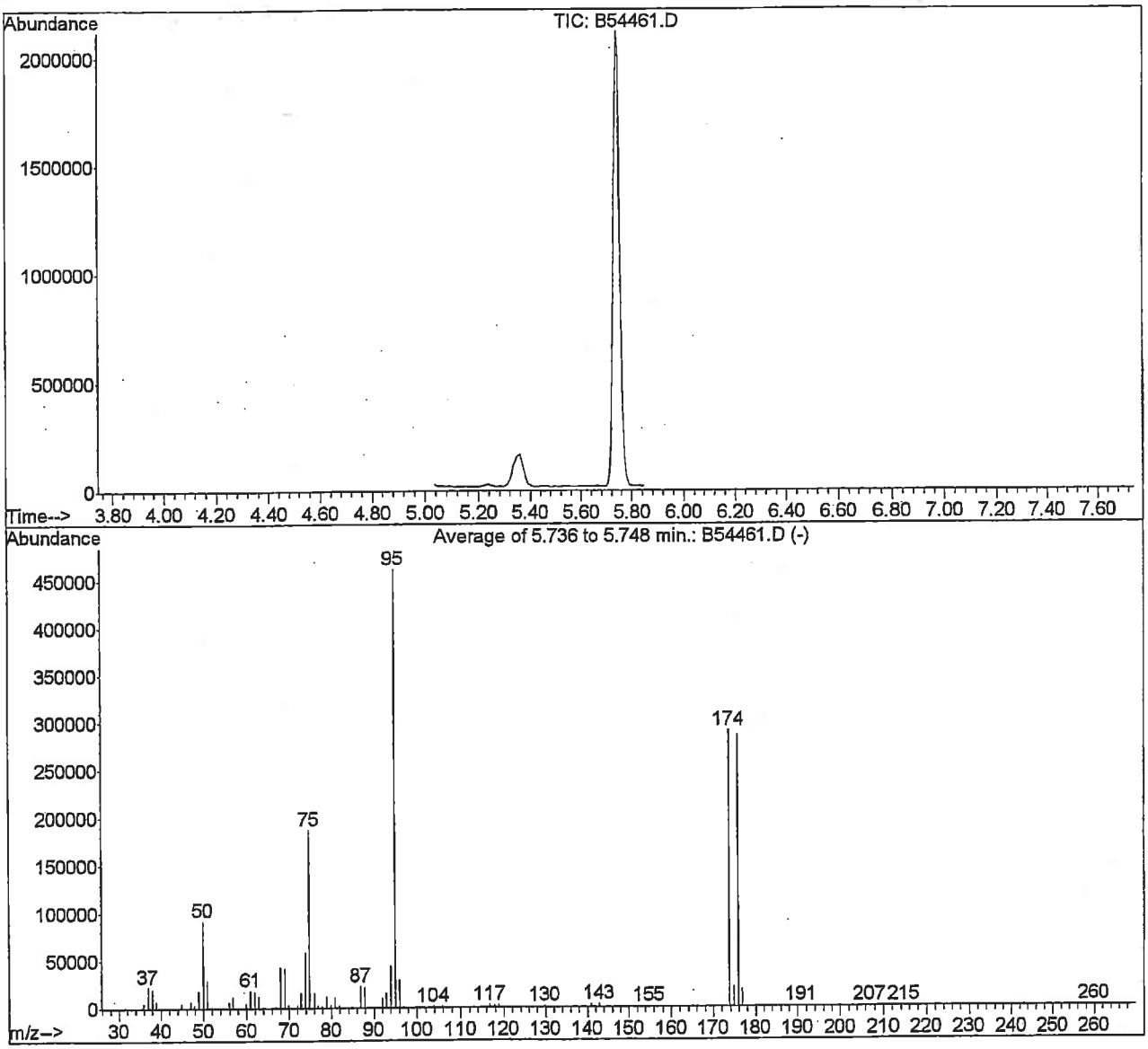
Vial	DataFile	Method	Sample Name	Dil.	Samp. Amt.	RA?	pH<2?	HS?	Comment
1	B54747	111408S	Blank	1	5.0mL	NO	NA	NA	HPV2 "equilibrating" from 4 day idle
2	B54748	111408S	Blank						
3	B54749	111408S	Blank						
4	B54750	111408S	Blank						
5	B54751	111408S	Blank						
100	B54752	BFB2	BFB TUNE1		1µL	YES			ST081215-3 PASSES - NOT USED
6	B54753	111408S	VL081229-2CCV		5.0mL				Istd's still high & cmpds ↓ - NOT USED
7	B54754	111408S	VL081229-2LCS						
8	B54755	111408S	VL081229-2LCSD						
9	B54756	111408S	Blank						
10	B54757	111408S	VL081229-2MB						NOT USED
11	B54758	111408S	Blank			NO			
12	B54759	111408S	Blank						
13	B54760	111408S	Blank						
14	B54761	111408S	Blank						
15	B54762	111408S	Blank						
100	B54763	BFB2	BFB TUNE1		1µL	NO			ST081215-3 injection @ 12:54
1	B54764	111408S	VL081229-2CCV		5.0mL				~~20µL each (CAL STD's) to 100mL~~ 5µL each (CAL STD's) to 5.0mL
2	B54765	111408S	VL081229-2LCS						
3	B54766	111408S	VL081229-2LCSD						
4	B54767	111408S	Blank						
5	B54768	111408S	VL081229-2MB						All targets < MDL
6	B54769	111408S	0812200-12 400X	400	12.5µL/5.0mL		pH~7	YES>pca	
7	B54770	111408S	0812200-12MS 400X						ST081210-3 (5µL) to 5mL
8	B54771	111408S	0812200-12MSD 400X						
9	B54772	111408S	Blank	1	5.0mL		NA	NA	
10	B54773	111408S	0812200-5 200X	200	25µL/5.0mL		pH~6	YES>pca	
11	B54774	111408S	0812200-6 200X	200					
12	B54775	111408S	0812200-10 250X	250	20µL/		pH~7		
13	B54776	111408S	0812200-11 200X	250			pH~5		desorb @ 17:43
14	B54777	111408S	BLANK	1	5.0mL		NA	NA	
15	B54778	111408S	BLANK						
16	B54779	111408S	BLANK						

Calibration Raw Data

BFB

Data File : C:\HPchem\1\DATA\111408\B54461.D
Acq On : 14 Nov 2008 11:25
Sample : BFB TUNE 1
Misc : 1uL surrogate spike
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)

Vial: 100
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00



AutoFind: Scans 117, 118, 119; Background Corrected with Scan 109

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.9	91909	PASS
75	95	30	60	40.5	186827	PASS
95	95	100	100	100.0	461355	PASS
96	95	5	9	6.4	29618	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	62.9	290240	PASS
175	174	5	9	7.2	20813	PASS
176	174	95	101	98.4	285696	PASS
177	176	5	9	6.6	18851	PASS

gm 11-17-08

B54461.D 111408S.M Fri Nov 14 11:31:51 2008

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\111408\B54463.D Vial: 2
Acq On : 14 Nov 2008 12:01 Operator: sdw-sop525r12
Sample : VOC_2.0ppb_CSTD Inst : CSS Instr
Misc : 5mls htd water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 11:40 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:19:33 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.14	96	1300036	50.00	ppb		0.00
53) chlorobenzene-d5	12.84	117	914942	50.00	ppb		0.00
74) 1,4-dichlorobenzene-d4	14.62	152	335588	50.00	ppb		0.00
System Monitoring Compounds							
34) dibromofluoromethane	9.30	113	384563	48.16	ppb		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 96.32%				
39) 1,2-dichloroethane-d4	9.88	65	305094	48.84	ppb		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 97.68%				
54) toluene-d8	11.55	100	742455	46.39	ppb		0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 92.78%				
73) 4-bromofluorobenzene	13.76	174	270831	46.31	ppb		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 92.62%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	4.43	85	19167	1.86	ppb		92
3) chloromethane	4.76	50	31689	2.49	ppb		99
4) vinyl chloride	4.93	62	16187	2.13	ppb		96
5) bromomethane	5.49	96	11755	3.56	ppb		92
6) chloroethane	5.68	64	13370	2.60	ppb		94
7) trichlorofluoromethane	5.90	101	21804	2.09	ppb		84
8) ethanol	6.38	45	4460m	46.72	ppb		
9) acrolein	7.01	56	25333	20.59	ppb		99
10) 1,1,2-trichloro-1,2,2-trif	6.62	101	16373	2.12	ppb		93
11) 1,1-dichloroethene	6.61	96	15312	2.19	ppb		89
12) acetone	7.35	58	14205	26.88	ppb		68
13) iodomethane	6.85	142	24687	1.99	ppb		99
14) carbon disulfide	6.72	76	49708	2.04	ppb		99
15) allyl chloride	7.19	76	8399	2.01	ppb		88
16) acetonitrile	7.92	41	17797	24.26	ppb		96
17) methylene chloride	7.31	84	17255	2.15	ppb		89
18) tert-butanol	7.61	59	8487	10.68	ppb		90
19) methyl-t-butyl-ether	7.60	73	68182	4.11	ppb		98
20) trans-1,2-dichloroethene	7.52	96	15867	2.04	ppb		92
21) acrylonitrile	8.29	53	48495	20.06	ppb		97
22) isopropyl ether	8.00	45	58847	2.12	ppb		96
23) vinyl acetate	8.44	43	26463	2.18	ppb		100
24) 1,1-dichloroethane	8.25	63	29805	2.14	ppb		98
25) chloroprene	8.21	53	23866	2.14	ppb		95
26) 2-butanone	9.41	43	29805	9.84	ppb	#	96
27) ethyl tert-butyl ether	8.43	59	47785	2.13	ppb		97
28) 2,2-dichloropropane	9.00	77	20301	2.30	ppb		99
29) cis-1,2-dichloroethene	8.85	96	18191	2.11	ppb		85
30) propionitrile	9.75	54	18301	21.19	ppb	#	96
31) methacrylonitrile	9.77	41	23056	2.23	ppb		92
32) bromochloromethane	9.08	128	8577	2.09	ppb		93
33) chloroform	9.11	83	27642	2.12	ppb		91
35) 1,1,1-trichloroethane	9.40	97	21832	2.12	ppb		96
36) carbon tetrachloride	9.33	117	18691	2.06	ppb		96
37) 1,1-dichloropropene	9.50	75	20880	2.20	ppb		98
38) isobutyl alcohol	9.79	43	27671	44.17	ppb	#	61
40) tert-amyl methyl ether	9.80	73	41987	2.37	ppb		97
41) benzene	9.77	78	60645	2.31	ppb		98
42) 1,2-dichloroethane	9.94	62	18259	2.14	ppb		99
43) trichloroethene	10.31	95	16360	2.15	ppb		93

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

sdw 11-17-08

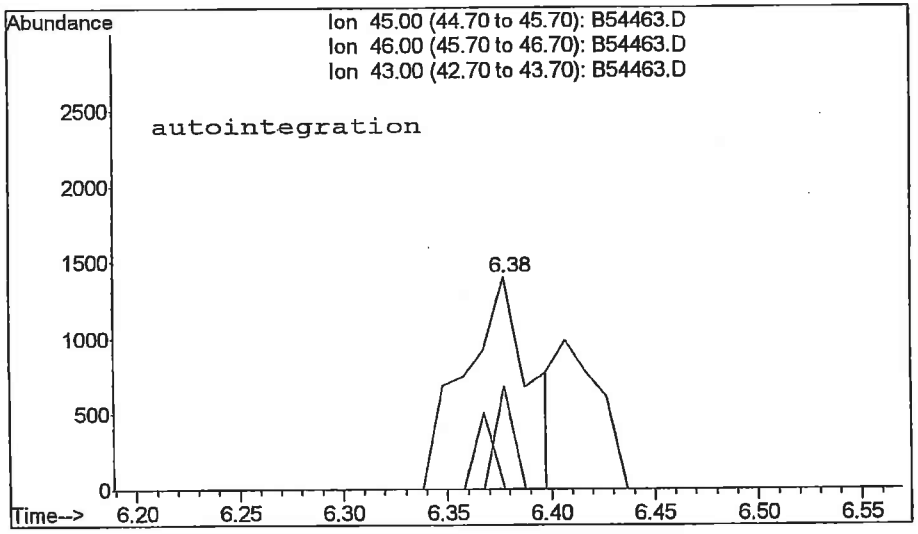
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\111408\B54463.D Vial: 2
Acq On : 14 Nov 2008 12:01 Operator: sdw-sop525r12
Sample : VOC_2.0ppb_CSTD Inst : CSS Instr
Misc : 5mls htd water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 11:40 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:19:33 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	1,2-dichloropropane	10.81	63	16553	2.16	ppb	#	94
45)	methyl methacrylate	10.89	69	7876	1.89	ppb		90
46)	1,4-dioxane	10.99	88	2469	37.79	ppb	#	72
47)	dibromomethane	10.71	93	11568	2.21	ppb		96
48)	bromodichloromethane	10.82	83	18887	1.96	ppb	#	93
49)	2-chloroethyl vinyl ether	11.26	63	7833	2.04	ppb		95
50)	2-pentanone	0.00	43	0	N.D.	d		
51)	cis-1,3-dichloropropene	11.38	75	24227	2.08	ppb		95
52)	4-methyl-2-pentanone	11.86	43	62221	9.85	ppb		98
55)	toluene	11.60	91	59195	2.15	ppb		96
56)	ethyl methacrylate	11.97	69	15753	1.87	ppb	#	90
57)	trans-1,3-dichloropropene	11.91	75	21171	2.11	ppb	#	70
58)	1,1,2-trichloroethane	12.06	83	11941	2.26	ppb		83
59)	tetrachloroethene	11.94	164	9938	2.21	ppb		90
60)	2-hexanone	12.53	43	44611	9.52	ppb		92
61)	1,3-dichloropropane	12.31	76	22071	2.30	ppb		100
62)	dibromochloromethane	12.23	129	15687	1.91	ppb		100
63)	1,2-dibromoethane	12.47	107	15242	2.13	ppb		97
64)	1-chlorohexane	12.78	91	21212	2.13	ppb		88
65)	chlorobenzene	12.86	112	39056	2.22	ppb		97
66)	ethylbenzene	12.84	91	65053	2.20	ppb		93
67)	1,1,1,2-tetrachloroethane	12.89	131	13735	2.19	ppb		86
68)	m,p-xylene	12.95	106	50201	4.47	ppb		92
69)	o-xylene	13.29	106	24780	2.16	ppb		93
70)	styrene	13.32	104	41164	2.19	ppb		98
71)	bromoform	13.39	173	8507	1.91	ppb		93
72)	isopropylbenzene	13.51	105	59472	2.11	ppb		96
75)	1,1,2,2-tetrachloroethane	13.86	83	20502	2.81	ppb		96
76)	n-propylbenzene	13.83	91	79559	2.34	ppb		94
77)	trans-1,4-dichloro-2-buten	13.99	53	4051	2.51	ppb		82
78)	1,2,3-trichloropropane	14.00	110	5347	2.75	ppb		82
79)	bromobenzene	13.86	156	14159	2.42	ppb		87
80)	1,3,5-trimethylbenzene	13.94	105	51446	2.32	ppb		93
81)	2-chlorotoluene	13.98	126	15135	2.38	ppb		83
82)	4-chlorotoluene	14.10	126	14633	2.35	ppb		73
83)	tert-butylbenzene	14.21	134	8405	2.14	ppb		94
84)	1,2,4-trimethylbenzene	14.26	105	51609	2.33	ppb		94
85)	sec-butylbenzene	14.35	105	69995	2.32	ppb		99
86)	p-isopropyltoluene	14.44	119	56950	2.44	ppb		99
87)	1,3-dichlorobenzene	14.57	146	25771	2.35	ppb		94
88)	1,4-dichlorobenzene	14.64	146	24974	2.41	ppb	#	92
89)	n-butylbenzene	14.77	91	54170	2.33	ppb		97
90)	1,2-dichlorobenzene	15.00	146	25227	2.51	ppb		95
91)	hexachloroethane	14.99	201	6241	1.91	ppb		89
92)	1,2-dibromo-3-chloropropan	15.68	157	2363	2.08	ppb	#	67
93)	1,2,4-trichlorobenzene	16.33	180	14655	2.23	ppb		96
94)	hexachlorobutadiene	16.25	225	8459	2.32	ppb		97
95)	naphthalene	16.70	128	34466	2.36	ppb		100
96)	1,2,3-trichlorobenzene	16.91	180	12466	2.33	ppb		92

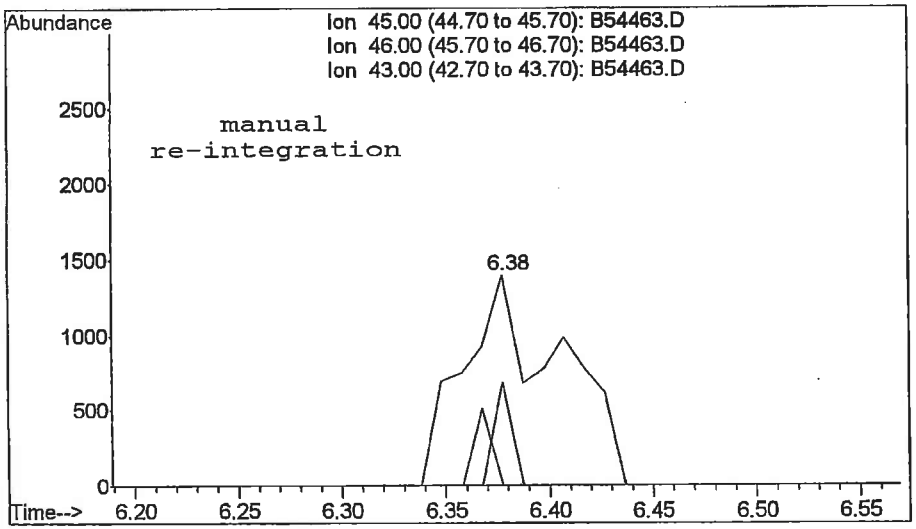
(#) = qualifier out of range (m) = manual integration



TIC: B54463.D

(8) ethanol
6.38min 32.10ppb
response 3064

Ion	Exp%	Act%
45.00	100	100
46.00	39.60	0.00#
43.00	22.90	0.00#
0.00	0.00	0.00



Reason for manual re-integration?

[] missed peak assignment

[] peak saturation (detector shutdown)

[] over-integrated peak's area

[X] under-integrated peak's area

[] other (_____)

initials: GMJ date: 11 / 17 / 08

TIC: B54463.D

(8) ethanol
6.38min 46.72ppb m
response 4460

Ion	Exp%	Act%
45.00	100	100
46.00	39.60	0.00#
43.00	22.90	0.00#
0.00	0.00	0.00

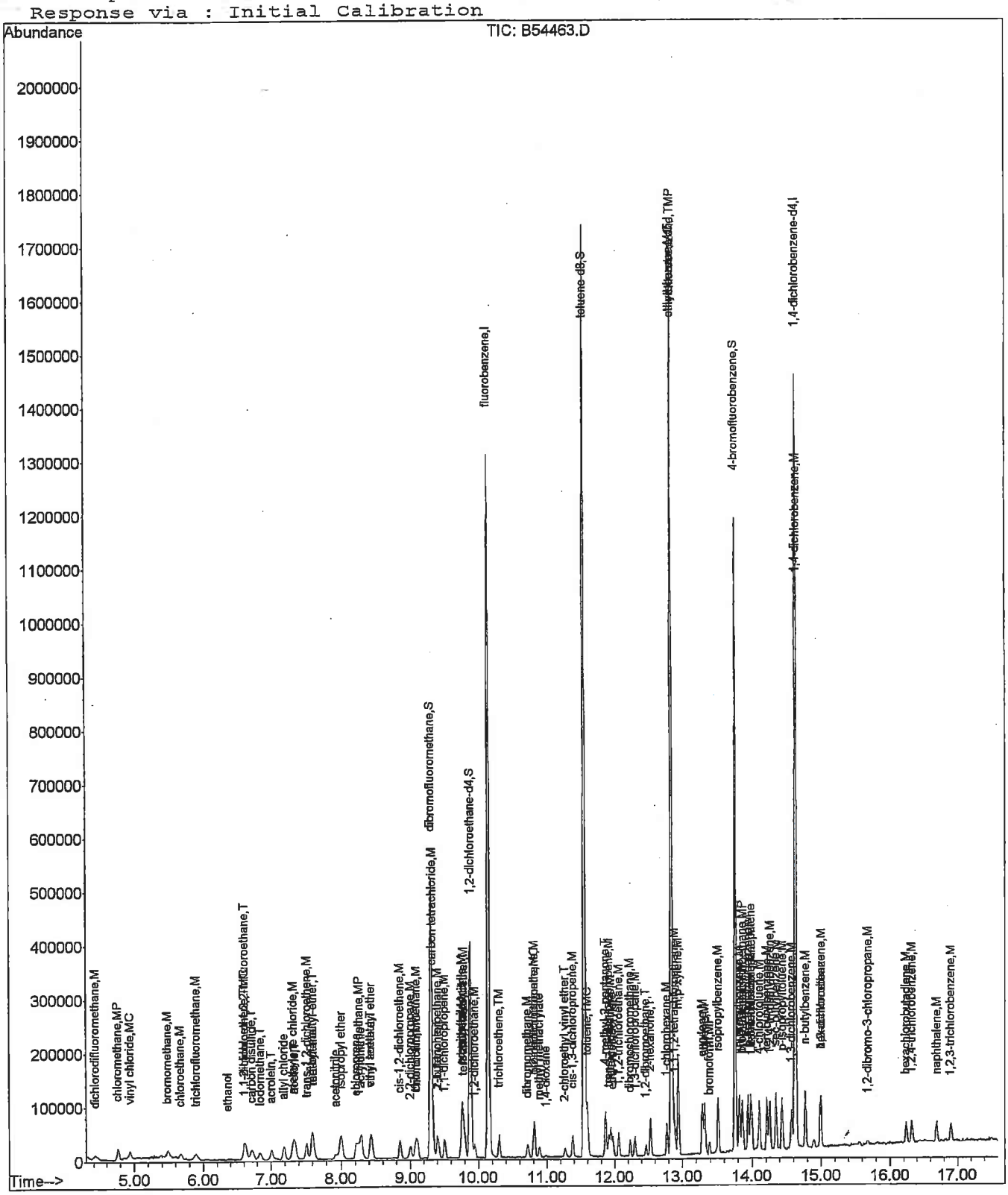
Quantitation Report

Data File : C:\HPCHEM\1\DATA\111408\B54463.D
Acq On : 14 Nov 2008 12:01
Sample : VOC_2.0ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:40 2008

Vial: 2
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:35:56 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\111408\B54464.D
Acq On : 14 Nov 2008 12:25
Sample : VOC_5.0ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:38 2008

Vial: 3
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:19:33 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.14	96	1236862	50.00	ppb		0.00
53) chlorobenzene-d5	12.84	117	878636	50.00	ppb		0.00
74) 1,4-dichlorobenzene-d4	14.62	152	323726	50.00	ppb		0.00
System Monitoring Compounds							
34) dibromofluoromethane	9.30	113	372343	49.01	ppb		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 98.02%				
39) 1,2-dichloroethane-d4	9.89	65	296187	49.83	ppb		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 99.66%				
54) toluene-d8	11.55	100	701844	45.67	ppb		0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 91.34%				
73) 4-bromofluorobenzene	13.76	174	257009	45.76	ppb		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 91.52%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	4.44	85	47852	4.89	ppb		91
3) chloromethane	4.77	50	69322	5.72	ppb		100
4) vinyl chloride	4.94	62	38698	5.35	ppb		98
5) bromomethane	5.50	96	26410	8.40	ppb		90
6) chloroethane	5.68	64	30321	6.19	ppb		98
7) trichlorofluoromethane	5.91	101	48941	4.94	ppb		97
8) ethanol	6.38	45	7986	87.94	ppb		96
9) acrolein	7.01	56	59111	50.50	ppb		95
10) 1,1,2-trichloro-1,2,2-trif	6.63	101	36620	4.98	ppb		97
11) 1,1-dichloroethene	6.61	96	35596	5.36	ppb		89
12) acetone	7.34	58	19548	38.87	ppb		90
13) iodomethane	6.85	142	57876	4.90	ppb		94
14) carbon disulfide	6.73	76	110889	4.78	ppb		95
15) allyl chloride	7.19	76	19700	4.95	ppb		94
16) acetonitrile	7.93	41	37742	54.07	ppb		92
17) methylene chloride	7.32	84	38126	5.00	ppb		89
18) tert-butanol	7.60	59	20045	26.52	ppb		92
19) methyl-t-butyl-ether	7.60	73	160309	10.16	ppb		99
20) trans-1,2-dichloroethene	7.52	96	38070	5.15	ppb		92
21) acrylonitrile	8.29	53	116158	50.50	ppb		99
22) isopropyl ether	8.00	45	134498	5.10	ppb		100
23) vinyl acetate	8.44	43	57494	4.99	ppb		97
24) 1,1-dichloroethane	8.25	63	68713	5.19	ppb		94
25) chloroprene	8.21	53	55848	5.25	ppb		98
26) 2-butanone	9.41	43	62333	21.62	ppb		94
27) ethyl tert-butyl ether	8.43	59	108972	5.09	ppb		98
28) 2,2-dichloropropane	9.00	77	44963	5.36	ppb		99
29) cis-1,2-dichloroethene	8.85	96	42082	5.13	ppb		87
30) propionitrile	9.75	54	43939	53.48	ppb		98
31) methacrylonitrile	9.77	41	53650	5.46	ppb		97
32) bromochloromethane	9.08	128	20104	5.15	ppb		94
33) chloroform	9.11	83	62729	5.06	ppb		97
35) 1,1,1-trichloroethane	9.40	97	49504	5.06	ppb		89
36) carbon tetrachloride	9.33	117	45424	5.27	ppb		93
37) 1,1-dichloropropene	9.51	75	45276	5.02	ppb		96
38) isobutyl alcohol	9.80	43	64539	108.27	ppb	#	44
40) tert-amyl methyl ether	9.80	73	89957	5.34	ppb		98
41) benzene	9.77	78	133217	5.34	ppb		98
42) 1,2-dichloroethane	9.94	62	40681	5.00	ppb		95
43) trichloroethene	10.31	95	37387	5.16	ppb		98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\111408\B54464.D Vial: 3
Acq On : 14 Nov 2008 12:25 Operator: sdw-sop525r12
Sample : VOC_5.0ppb_CSTD Inst : CSS Instr
Misc : 5mls htd water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 11:38 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:19:33 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	1,2-dichloropropane	10.80	63	38445	5.28	ppb		98
45)	methyl methacrylate	10.89	69	18954	4.78	ppb		89
46)	1,4-dioxane	10.99	88	5840	93.94	ppb	#	81
47)	dibromomethane	10.71	93	24138	4.86	ppb		96
48)	bromodichloromethane	10.82	83	44960	4.91	ppb		94
49)	2-chloroethyl vinyl ether	11.26	63	15881	4.36	ppb		96
50)	2-pentanone	0.00	43	0	N.D.	d		
51)	cis-1,3-dichloropropene	11.37	75	52212	4.71	ppb		94
52)	4-methyl-2-pentanone	11.87	43	126094	20.99	ppb		97
55)	toluene	11.60	91	130685	4.93	ppb		98
56)	ethyl methacrylate	11.97	69	36347	4.48	ppb		99
57)	trans-1,3-dichloropropene	11.91	75	44588	4.62	ppb		94
58)	1,1,2-trichloroethane	12.06	83	27807	5.48	ppb		95
59)	tetrachloroethene	11.94	164	21766	5.04	ppb		99
60)	2-hexanone	12.54	43	90177	20.03	ppb		99
61)	1,3-dichloropropane	12.30	76	45601	4.94	ppb		98
62)	dibromochloromethane	12.23	129	34008	4.31	ppb		97
63)	1,2-dibromoethane	12.47	107	33419	4.85	ppb		98
64)	1-chlorohexane	12.77	91	46843	4.90	ppb		99
65)	chlorobenzene	12.86	112	85206	5.04	ppb		92
66)	ethylbenzene	12.84	91	146667	5.18	ppb		98
67)	1,1,1,2-tetrachloroethane	12.89	131	28886	4.80	ppb		95
68)	m,p-xylene	12.94	106	109205	10.13	ppb		95
69)	o-xylene	13.29	106	56195	5.10	ppb		92
70)	styrene	13.32	104	88549	4.90	ppb		98
71)	bromoform	13.38	173	19020	4.45	ppb		98
72)	isopropylbenzene	13.51	105	135609	5.02	ppb		100
75)	1,1,2,2-tetrachloroethane	13.86	83	41069	5.83	ppb		90
76)	n-propylbenzene	13.82	91	173917	5.30	ppb		99
77)	trans-1,4-dichloro-2-buten	13.99	53	7883	5.06	ppb		95
78)	1,2,3-trichloropropane	14.00	110	10409	5.56	ppb		53
79)	bromobenzene	13.87	156	28943	5.14	ppb	#	77
80)	1,3,5-trimethylbenzene	13.94	105	113847	5.31	ppb		94
81)	2-chlorotoluene	13.98	126	33870	5.53	ppb		87
82)	4-chlorotoluene	14.10	126	32979	5.48	ppb		94
83)	tert-butylbenzene	14.21	134	20326	5.37	ppb		94
84)	1,2,4-trimethylbenzene	14.25	105	114034	5.33	ppb		100
85)	sec-butylbenzene	14.35	105	157716	5.42	ppb		100
86)	p-isopropyltoluene	14.44	119	120365	5.35	ppb		96
87)	1,3-dichlorobenzene	14.57	146	54216	5.13	ppb		96
88)	1,4-dichlorobenzene	14.63	146	52131	5.22	ppb	#	76
89)	n-butylbenzene	14.77	91	118345	5.27	ppb		98
90)	1,2-dichlorobenzene	15.00	146	51220	5.28	ppb		99
91)	hexachloroethane	14.99	201	15190	4.81	ppb		92
92)	1,2-dibromo-3-chloropropan	15.68	157	5351	4.88	ppb		96
93)	1,2,4-trichlorobenzene	16.33	180	28987	4.57	ppb		97
94)	hexachlorobutadiene	16.25	225	17898	5.08	ppb		98
95)	naphthalene	16.70	128	66731	4.73	ppb		100
96)	1,2,3-trichlorobenzene	16.91	180	24073	4.67	ppb		98

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

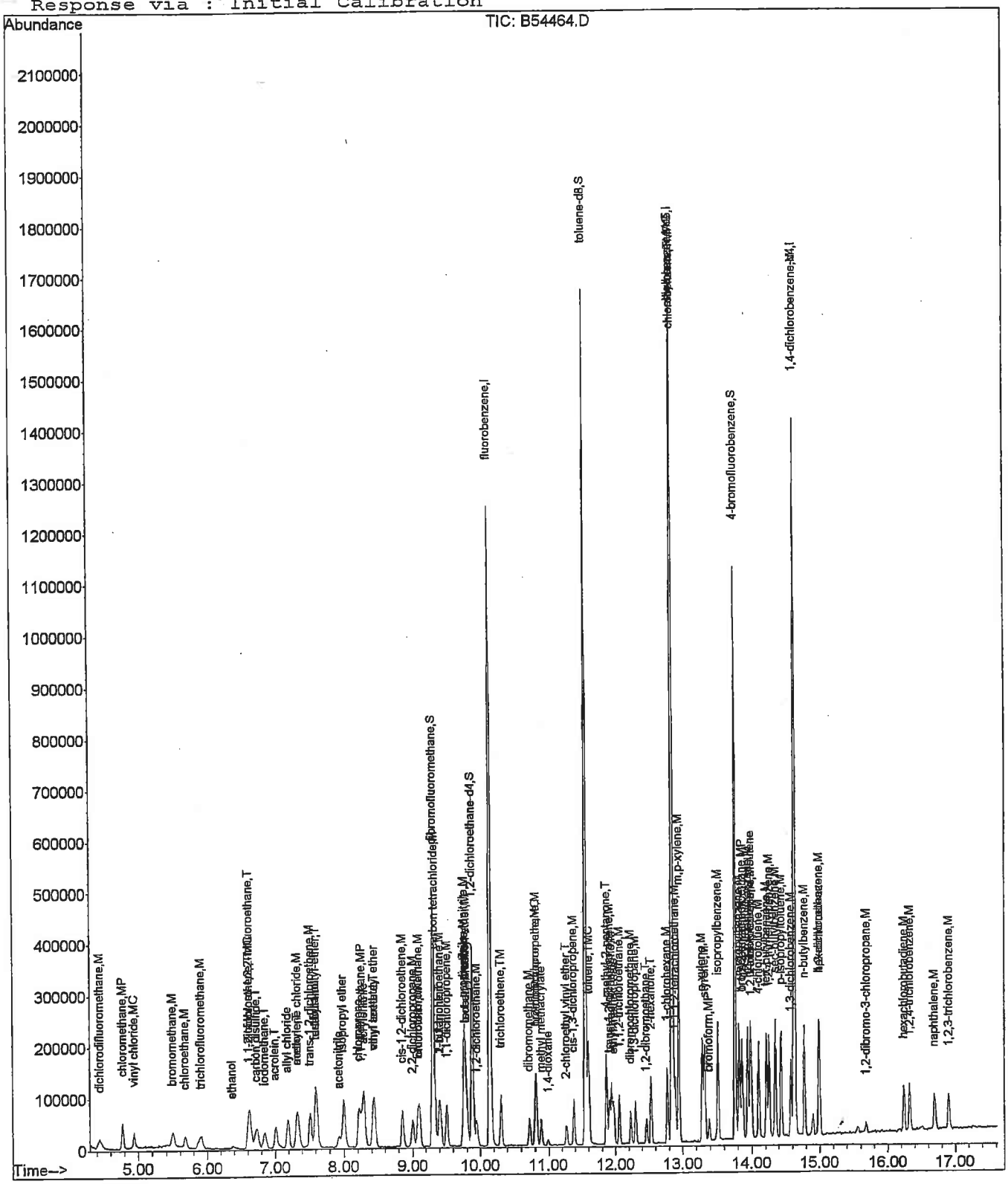
Quantitation Report

Data File : C:\HPCHEM\1\DATA\111408\B54464.D
Acq On : 14 Nov 2008 12:25
Sample : VOC_5.0ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:38 2008

Vial: 3
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:35:56 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\111408\B54465.D
Acq On : 14 Nov 2008 12:47
Sample : VOC_10ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:36 2008

Vial: 4
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:19:33 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.14	96	1323162	50.00	ppb		0.00
53) chlorobenzene-d5	12.84	117	967210	50.00	ppb		0.00
74) 1,4-dichlorobenzene-d4	14.62	152	334337	50.00	ppb		0.00
System Monitoring Compounds							
34) dibromofluoromethane	9.30	113	393765	48.45	ppb		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 96.90%				
39) 1,2-dichloroethane-d4	9.87	65	325518	51.20	ppb		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 102.40%				
54) toluene-d8	11.55	100	765673	45.26	ppb		0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 90.52%				
73) 4-bromofluorobenzene	13.76	174	277846	44.94	ppb		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 89.88%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	4.43	85	95140	9.09	ppb		99
3) chloromethane	4.76	50	137625	10.62	ppb		96
4) vinyl chloride	4.93	62	74486	9.63	ppb		99
5) bromomethane	5.50	96	55485	16.49	ppb		94
6) chloroethane	5.68	64	62187	11.87	ppb		98
7) trichlorofluoromethane	5.90	101	101871	9.61	ppb		96
8) ethanol	6.38	45	16143	166.17	ppb		95
9) acrolein	7.01	56	122382	97.73	ppb		97
10) 1,1,2-trichloro-1,2,2-trif	6.63	101	76206	9.68	ppb		97
11) 1,1-dichloroethene	6.61	96	69656	9.80	ppb		94
12) acetone	7.34	58	30794	57.24	ppb		93
13) iodomethane	6.84	142	121000	9.57	ppb		97
14) carbon disulfide	6.72	76	232784	9.38	ppb		98
15) allyl chloride	7.19	76	40787	9.59	ppb		92
16) acetonitrile	7.93	41	69472	93.03	ppb		99
17) methylene chloride	7.31	84	79380	9.73	ppb		90
18) tert-butanol	7.61	59	37363	46.22	ppb		82
19) methyl-t-butyl-ether	7.60	73	331122	19.62	ppb		99
20) trans-1,2-dichloroethene	7.52	96	80119	10.13	ppb		93
21) acrylonitrile	8.28	53	247611	100.62	ppb		99
22) isopropyl ether	7.99	45	286240	10.14	ppb		99
23) vinyl acetate	8.44	43	123542	10.02	ppb		98
24) 1,1-dichloroethane	8.24	63	142856	10.08	ppb		97
25) chloroprene	8.21	53	110341	9.70	ppb		98
26) 2-butanone	9.41	43	124059	40.22	ppb		98
27) ethyl tert-butyl ether	8.43	59	229610	10.03	ppb		99
28) 2,2-dichloropropane	9.00	77	90764	10.11	ppb		97
29) cis-1,2-dichloroethene	8.85	96	89088	10.15	ppb		98
30) propionitrile	9.75	54	84807	96.49	ppb	#	97
31) methacrylonitrile	9.77	41	104941	9.99	ppb		92
32) bromochloromethane	9.08	128	39788	9.53	ppb		95
33) chloroform	9.11	83	127030	9.58	ppb		99
35) 1,1,1-trichloroethane	9.40	97	104561	9.99	ppb		89
36) carbon tetrachloride	9.33	117	92119	10.00	ppb		97
37) 1,1-dichloropropene	9.50	75	97331	10.09	ppb		98
38) isobutyl alcohol	9.79	43	124554	195.33	ppb	#	59
40) tert-amyl methyl ether	9.80	73	179376	9.95	ppb		99
41) benzene	9.77	78	278039	10.42	ppb		98
42) 1,2-dichloroethane	9.94	62	85126	9.79	ppb		96
43) trichloroethene	10.31	95	76345	9.85	ppb		96

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\111408\B54465.D
Acq On : 14 Nov 2008 12:47
Sample : VOC_10ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:36 2008

Vial: 4
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:19:33 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	1,2-dichloropropane	10.80	63	78049	10.02	ppb		98
45)	methyl methacrylate	10.89	69	40392	9.53	ppb		96
46)	1,4-dioxane	10.98	88	11223	168.75	ppb		87
47)	dibromomethane	10.71	93	52038	9.79	ppb		99
48)	bromodichloromethane	10.82	83	91977	9.39	ppb		98
49)	2-chloroethyl vinyl ether	11.26	63	35925	9.21	ppb		98
50)	2-pentanone	0.00	43	0	N.D.	d		
51)	cis-1,3-dichloropropene	11.37	75	109955	9.27	ppb		95
52)	4-methyl-2-pentanone	11.86	43	256678	39.94	ppb		98
55)	toluene	11.60	91	270101	9.26	ppb		97
56)	ethyl methacrylate	11.97	69	76928	8.62	ppb		97
57)	trans-1,3-dichloropropene	11.91	75	90664	8.54	ppb		93
58)	1,1,2-trichloroethane	12.06	83	51717	9.25	ppb		98
59)	tetrachloroethene	11.94	164	44535	9.37	ppb		96
60)	2-hexanone	12.53	43	176554	35.63	ppb		96
61)	1,3-dichloropropane	12.30	76	94285	9.29	ppb		97
62)	dibromochloromethane	12.23	129	71854	8.28	ppb		99
63)	1,2-dibromoethane	12.47	107	68733	9.07	ppb		93
64)	1-chlorohexane	12.78	91	101001	9.60	ppb		96
65)	chlorobenzene	12.86	112	171808	9.24	ppb		93
66)	ethylbenzene	12.84	91	295323	9.47	ppb		99
67)	1,1,1,2-tetrachloroethane	12.89	131	59259	8.94	ppb		97
68)	m,p-xylene	12.94	106	226442	19.09	ppb		97
69)	o-xylene	13.28	106	114936	9.47	ppb		99
70)	styrene	13.32	104	178171	8.96	ppb		95
71)	bromoform	13.38	173	38384	8.16	ppb		96
72)	isopropylbenzene	13.51	105	282657	9.51	ppb		98
75)	1,1,2,2-tetrachloroethane	13.85	83	81199	11.15	ppb		97
76)	n-propylbenzene	13.82	91	355057	10.47	ppb		97
77)	trans-1,4-dichloro-2-buten	13.99	53	14957	9.30	ppb		89
78)	1,2,3-trichloropropane	13.99	110	20963	10.84	ppb		95
79)	bromobenzene	13.86	156	62991	10.83	ppb		78
80)	1,3,5-trimethylbenzene	13.94	105	234683	10.60	ppb		94
81)	2-chlorotoluene	13.98	126	68624	10.84	ppb		86
82)	4-chlorotoluene	14.10	126	62967	10.14	ppb		86
83)	tert-butylbenzene	14.21	134	43208	11.05	ppb		89
84)	1,2,4-trimethylbenzene	14.25	105	232901	10.54	ppb		95
85)	sec-butylbenzene	14.35	105	317526	10.56	ppb		100
86)	p-isopropyltoluene	14.44	119	241940	10.41	ppb		97
87)	1,3-dichlorobenzene	14.57	146	113099	10.35	ppb		97
88)	1,4-dichlorobenzene	14.63	146	106110	10.29	ppb	#	84
89)	n-butylbenzene	14.77	91	243578	10.49	ppb		97
90)	1,2-dichlorobenzene	15.00	146	101447	10.13	ppb		98
91)	hexachloroethane	14.99	201	32194	9.88	ppb		99
92)	1,2-dibromo-3-chloropropan	15.68	157	10581	9.35	ppb		94
93)	1,2,4-trichlorobenzene	16.33	180	57933	8.85	ppb		98
94)	hexachlorobutadiene	16.24	225	36643	10.07	ppb		98
95)	naphthalene	16.69	128	128900	8.85	ppb		100
96)	1,2,3-trichlorobenzene	16.91	180	47547	8.93	ppb		92

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

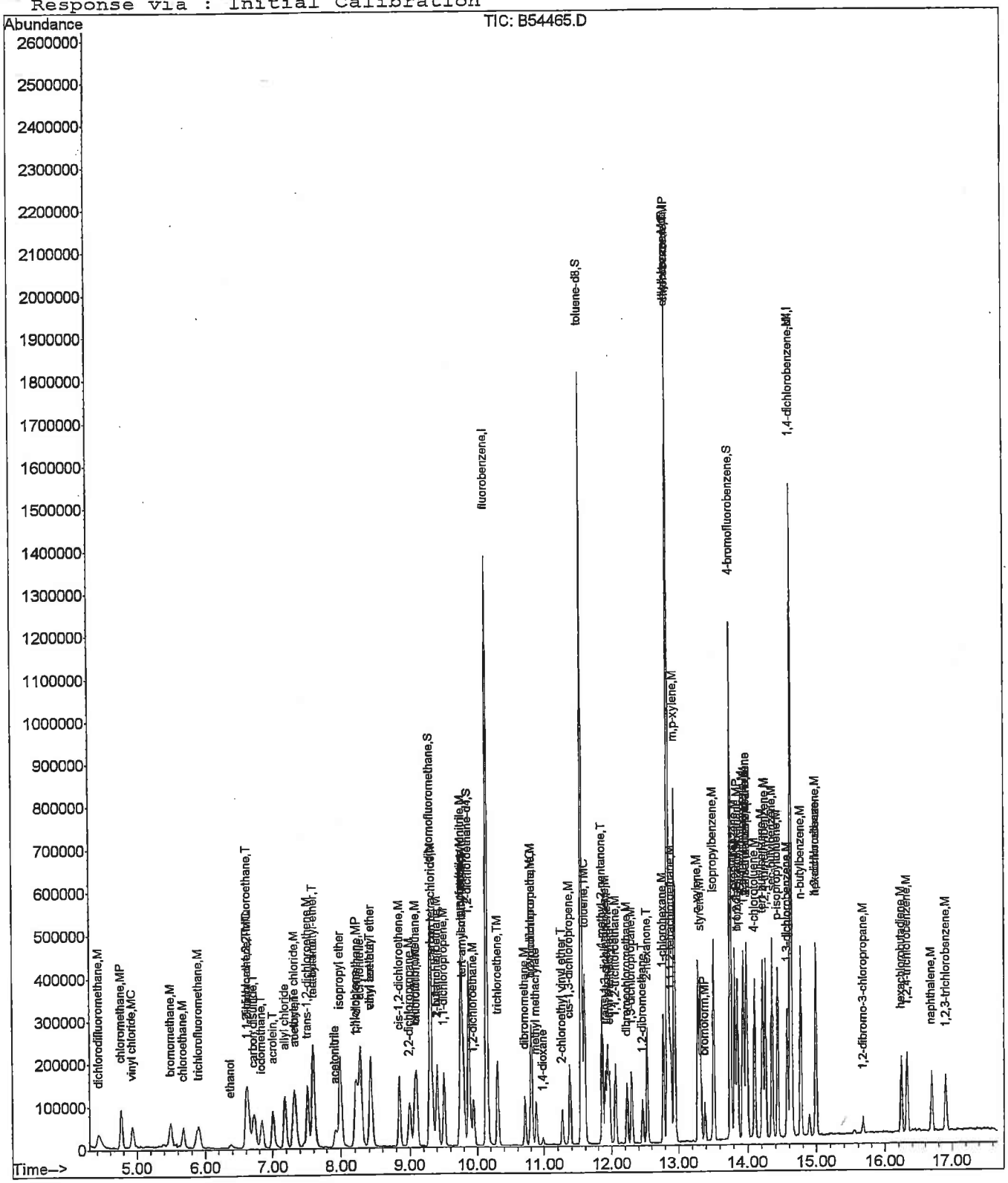
Quantitation Report

Data File : C:\HPCHEM\1\DATA\111408\B54465.D
Acq On : 14 Nov 2008 12:47
Sample : VOC_10ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:36 2008

Vial: 4
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:35:56 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\111408\B54466.D
Acq On : 14 Nov 2008 13:11
Sample : VOC_20ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:35 2008

Vial: 5
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:19:33 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.15	96	1234781	50.00	ppb		0.00
53) chlorobenzene-d5	12.85	117	948808	50.00	ppb		0.00
74) 1,4-dichlorobenzene-d4	14.63	152	327677	50.00	ppb		0.00
System Monitoring Compounds							
34) dibromofluoromethane	9.30	113	372661	49.14	ppb		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	98.28%			
39) 1,2-dichloroethane-d4	9.88	65	302237	50.94	ppb		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery =	101.88%			
54) toluene-d8	11.55	100	724419	43.65	ppb		0.00
Spiked Amount 50.000	Range 83 - 120		Recovery =	87.30%			
73) 4-bromofluorobenzene	13.77	174	262732	43.32	ppb		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	86.64%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	4.43	85	188086	19.25	ppb		96
3) chloromethane	4.77	50	261305	21.61	ppb		97
4) vinyl chloride	4.94	62	138073	19.13	ppb		97
5) bromomethane	5.50	96	98438	31.35	ppb		92
6) chloroethane	5.68	64	115863	23.69	ppb		98
7) trichlorofluoromethane	5.90	101	187069	18.91	ppb		100
8) ethanol	6.38	45	31108	343.12	ppb		99
9) acrolein	7.01	56	225731	193.16	ppb		98
10) 1,1,2-trichloro-1,2,2-trif	6.64	101	142668	19.42	ppb		99
11) 1,1-dichloroethene	6.61	96	131373	19.81	ppb		99
12) acetone	7.35	58	45989	91.61	ppb		88
13) iodomethane	6.85	142	228262	19.35	ppb		98
14) carbon disulfide	6.73	76	432671	18.69	ppb		98
15) allyl chloride	7.20	76	76399	19.24	ppb		97
16) acetonitrile	7.93	41	140972	202.29	ppb		96
17) methylene chloride	7.32	84	151521	19.90	ppb		97
18) tert-butanol	7.61	59	69405	92.00	ppb		79
19) methyl-t-butyl-ether	7.61	73	623606	39.60	ppb		100
20) trans-1,2-dichloroethene	7.52	96	144152	19.54	ppb		96
21) acrylonitrile	8.29	53	450932	196.36	ppb		98
22) isopropyl ether	8.00	45	525436	19.94	ppb		99
23) vinyl acetate	8.44	43	235351	20.46	ppb		97
24) 1,1-dichloroethane	8.25	63	262415	19.84	ppb		99
25) chloroprene	8.22	53	204123	19.23	ppb		97
26) 2-butanone	9.41	43	225336	78.29	ppb		99
27) ethyl tert-butyl ether	8.43	59	426023	19.95	ppb		99
28) 2,2-dichloropropane	9.00	77	161525	19.28	ppb		100
29) cis-1,2-dichloroethene	8.85	96	162177	19.80	ppb		99
30) propionitrile	9.75	54	158234	192.93	ppb		92
31) methacrylonitrile	9.78	41	187296	19.10	ppb		94
32) bromochloromethane	9.08	128	75307	19.33	ppb		96
33) chloroform	9.11	83	237662	19.20	ppb		95
35) 1,1,1-trichloroethane	9.40	97	186775	19.13	ppb		96
36) carbon tetrachloride	9.33	117	160635	18.68	ppb		98
37) 1,1-dichloropropene	9.51	75	174698	19.40	ppb		96
38) isobutyl alcohol	9.80	43	229822	386.21	ppb	#	48
40) tert-amyl methyl ether	9.81	73	343795	20.43	ppb		99
41) benzene	9.77	78	504792	20.28	ppb		99
42) 1,2-dichloroethane	9.95	62	160432	19.76	ppb		95
43) trichloroethene	10.31	95	138869	19.21	ppb		98

(#) = qualifier out of range (m) = manual integration
B54466.D 111408S.M Mon Nov 17 11:35:47 2008 11-17-08

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\111408\B54466.D
Acq On : 14 Nov 2008 13:11
Sample : VOC_20ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:35 2008

Vial: 5
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:19:33 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44)	1,2-dichloropropane	10.80	63	144187	19.83	ppb	98
45)	methyl methacrylate	10.89	69	75226	19.01	ppb	96
46)	1,4-dioxane	10.99	88	21571	347.56	ppb	96
47)	dibromomethane	10.72	93	97651	19.68	ppb	92
48)	bromodichloromethane	10.82	83	177601	19.42	ppb	99
49)	2-chloroethyl vinyl ether	11.27	63	64375	17.69	ppb	95
50)	2-pentanone	0.00	43	0	N.D.	d	
51)	cis-1,3-dichloropropene	11.38	75	210283	19.00	ppb	100
52)	4-methyl-2-pentanone	11.86	43	490848	81.84	ppb	99
55)	toluene	11.60	91	508054	17.76	ppb	99
56)	ethyl methacrylate	11.97	69	148271	16.94	ppb	99
57)	trans-1,3-dichloropropene	11.91	75	179706	17.25	ppb	99
58)	1,1,2-trichloroethane	12.06	83	98538	17.97	ppb	97
59)	tetrachloroethene	11.94	164	80764	17.33	ppb	96
60)	2-hexanone	12.53	43	338833	69.70	ppb	98
61)	1,3-dichloropropane	12.31	76	182770	18.35	ppb	100
62)	dibromochloromethane	12.24	129	145044	17.03	ppb	100
63)	1,2-dibromoethane	12.48	107	130856	17.60	ppb	98
64)	1-chlorohexane	12.78	91	178951	17.34	ppb	99
65)	chlorobenzene	12.86	112	332119	18.21	ppb	99
66)	ethylbenzene	12.85	91	541073	17.68	ppb	100
67)	1,1,1,2-tetrachloroethane	12.90	131	116260	17.88	ppb	99
68)	m,p-xylene	12.95	106	426541	36.65	ppb	99
69)	o-xylene	13.29	106	212713	17.87	ppb	98
70)	styrene	13.32	104	344709	17.68	ppb	99
71)	bromoform	13.39	173	76012	16.48	ppb	99
72)	isopropylbenzene	13.52	105	521871	17.90	ppb	98
75)	1,1,2,2-tetrachloroethane	13.86	83	153848	21.56	ppb	96
76)	n-propylbenzene	13.83	91	682858	20.55	ppb	99
77)	trans-1,4-dichloro-2-buten	14.00	53	30317	19.24	ppb	82
78)	1,2,3-trichloropropane	14.00	110	40904	21.58	ppb	91
79)	bromobenzene	13.87	156	116327	20.40	ppb	90
80)	1,3,5-trimethylbenzene	13.94	105	455552	21.00	ppb	95
81)	2-chlorotoluene	13.98	126	125840	20.29	ppb	97
82)	4-chlorotoluene	14.11	126	128723	21.14	ppb	93
83)	tert-butylbenzene	14.22	134	76921	20.08	ppb	100
84)	1,2,4-trimethylbenzene	14.26	105	445420	20.56	ppb	99
85)	sec-butylbenzene	14.35	105	601807	20.42	ppb	98
86)	p-isopropyltoluene	14.44	119	460718	20.22	ppb	99
87)	1,3-dichlorobenzene	14.57	146	217523	20.32	ppb	94
88)	1,4-dichlorobenzene	14.64	146	204801	20.27	ppb	99
89)	n-butylbenzene	14.77	91	465668	20.47	ppb	97
90)	1,2-dichlorobenzene	15.00	146	202301	20.61	ppb	98
91)	hexachloroethane	15.00	201	60112	18.82	ppb	95
92)	1,2-dibromo-3-chloropropan	15.69	157	19841	17.89	ppb	94
93)	1,2,4-trichlorobenzene	16.34	180	121410	18.93	ppb	98
94)	hexachlorobutadiene	16.25	225	73404	20.59	ppb	99
95)	naphthalene	16.70	128	262831	18.41	ppb	100
96)	1,2,3-trichlorobenzene	16.92	180	101645	19.47	ppb	92

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

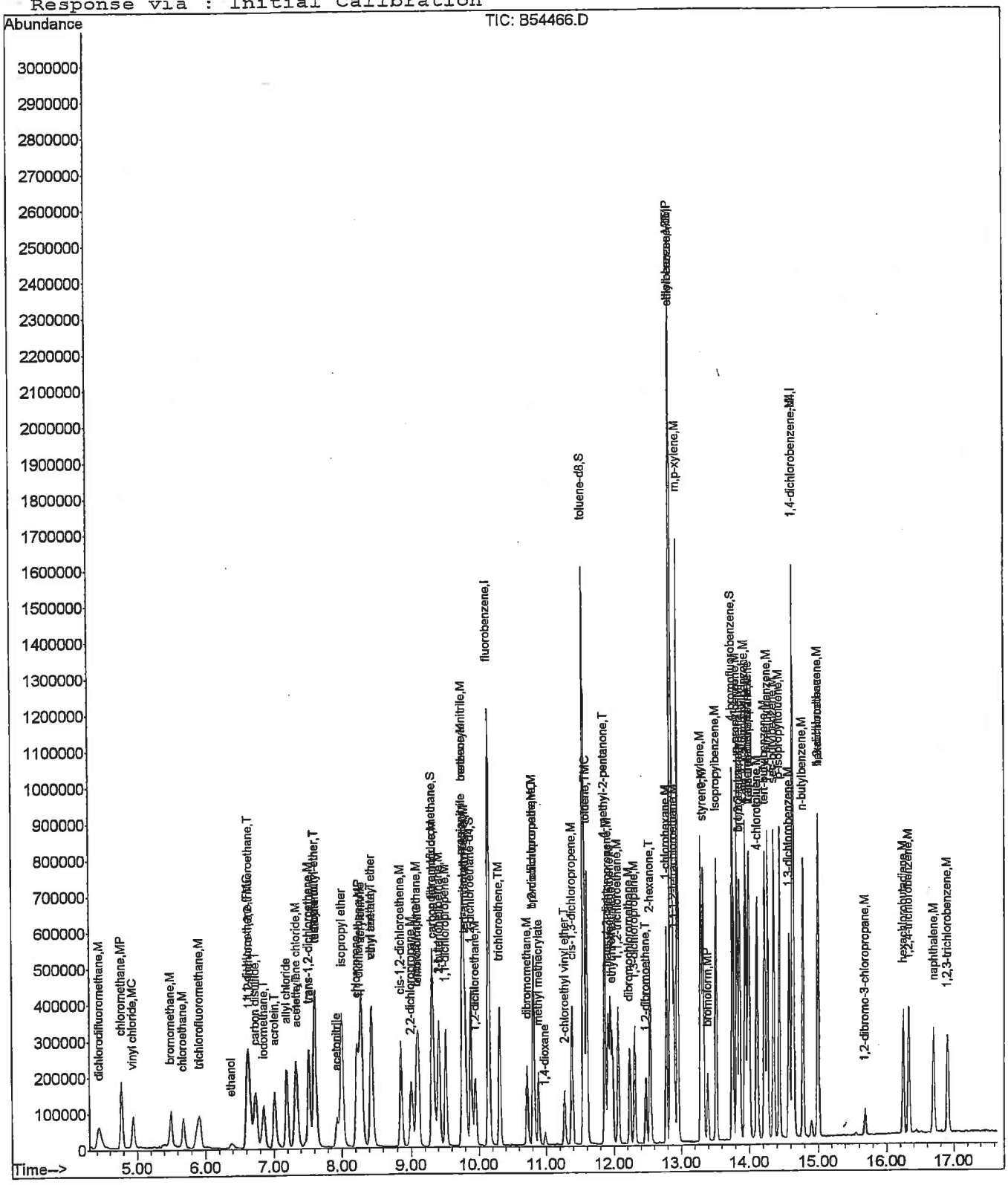
Quantitation Report

Data File : C:\HPCHEM\1\DATA\111408\B54466.D
Acq On : 14 Nov 2008 13:11
Sample : VOC_20ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:35 2008

Vial: 5
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:33:58 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\111408\B54468.D
Acq On : 14 Nov 2008 13:57
Sample : VOC_50ppb_ISDEF
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:32 2008

Vial: 7
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:19:33 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.14	96	1244646	50.00	ppb		0.00
53) chlorobenzene-d5	12.84	117	868149	50.00	ppb		0.00
74) 1,4-dichlorobenzene-d4	14.62	152	336037	50.00	ppb		0.00
System Monitoring Compounds							
34) dibromofluoromethane	9.30	113	384823	50.34	ppb		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 100.68%				
39) 1,2-dichloroethane-d4	9.88	65	299181	50.02	ppb		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 100.04%				
54) toluene-d8	11.55	100	726260	47.83	ppb		0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 95.66%				
73) 4-bromofluorobenzene	13.76	174	269050	48.49	ppb		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 96.98%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	4.43	85	550978	55.95	ppb		98
3) chloromethane	4.77	50	684174	56.14	ppb		99
4) vinyl chloride	4.94	62	390028	53.60	ppb		98
5) bromomethane	5.49	96	229745	72.59	ppb		96
6) chloroethane	5.68	64	298869	60.63	ppb		99
7) trichlorofluoromethane	5.91	101	548703	55.03	ppb		99
8) ethanol	6.38	45	89600	980.46	ppb		98
9) acrolein	7.01	56	595838	505.82	ppb		98
10) 1,1,2-trichloro-1,2,2-trif	6.63	101	398826	53.86	ppb		98
11) 1,1-dichloroethene	6.61	96	360428	53.91	ppb		100
12) acetone	7.34	58	106303	210.07	ppb		97
13) iodomethane	6.85	142	625300	52.59	ppb		98
14) carbon disulfide	6.73	76	1237294	53.02	ppb		99
15) allyl chloride	7.19	76	210478	52.59	ppb		92
16) acetonitrile	7.93	41	339466	483.27	ppb		98
17) methylene chloride	7.32	84	391539	51.02	ppb		97
18) tert-butanol	7.61	59	196455	258.33	ppb		89
19) methyl-t-butyl-ether	7.60	73	1619451	102.01	ppb		99
20) trans-1,2-dichloroethene	7.51	96	396401	53.30	ppb		94
21) acrylonitrile	8.28	53	1176020	508.04	ppb		98
22) isopropyl ether	7.99	45	1400793	52.75	ppb		99
23) vinyl acetate	8.44	43	586495	50.57	ppb		97
24) 1,1-dichloroethane	8.24	63	718017	53.87	ppb		97
25) chloroprene	8.21	53	568592	53.13	ppb		97
26) 2-butanone	9.41	43	583956	201.27	ppb		99
27) ethyl tert-butyl ether	8.43	59	1123806	52.21	ppb		99
28) 2,2-dichloropropane	9.00	77	478885	56.72	ppb		100
29) cis-1,2-dichloroethene	8.85	96	432141	52.34	ppb		99
30) propionitrile	9.74	54	405104	490.01	ppb		85
31) methacrylonitrile	9.77	41	496617	50.23	ppb		95
32) bromochloromethane	9.08	128	201608	51.34	ppb		98
33) chloroform	9.11	83	658764	52.81	ppb		99
35) 1,1,1-trichloroethane	9.40	97	533752	54.23	ppb		97
36) carbon tetrachloride	9.33	117	466466m	53.82	ppb		
37) 1,1-dichloropropene	9.50	75	495828	54.62	ppb		99
38) isobutyl alcohol	9.79	43	618111	1030.48	ppb	#	57
40) tert-amyl methyl ether	9.80	73	897480	52.90	ppb		99
41) benzene	9.77	78	1355044	54.01	ppb		99
42) 1,2-dichloroethane	9.94	62	415100	50.73	ppb		99
43) trichloroethene	10.30	95	393582	54.00	ppb		96

(#) = qualifier out of range (m) = manual integration
B54468.D 111408S.M Mon Nov 17 11:33:43 2008

sdw 11-17-08

Quantitation Report (QT Reviewed)

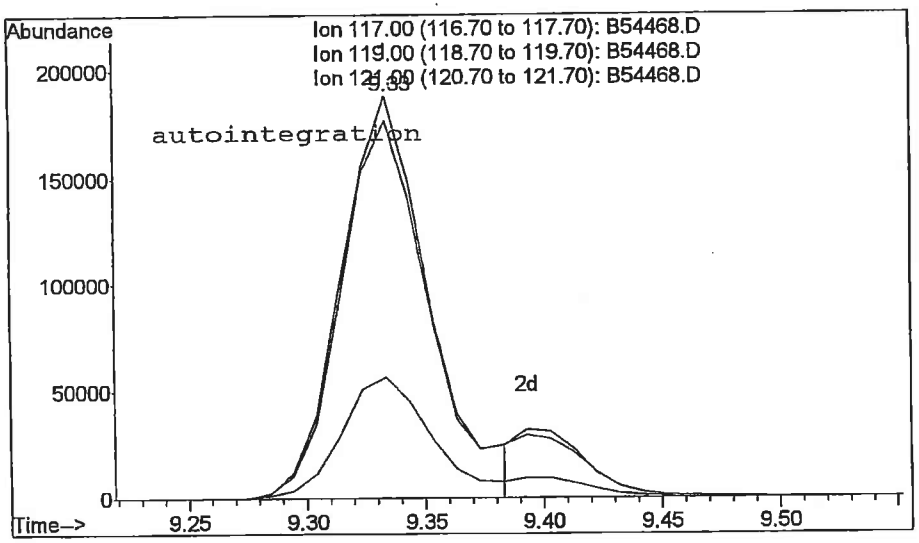
Data File : C:\HPCHEM\1\DATA\111408\B54468.D
Acq On : 14 Nov 2008 13:57
Sample : VOC_50ppb_ISDEF
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:32 2008

Vial: 7
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:19:33 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-dichloropropane	10.80	63	387009	52.80	ppb	98
45) methyl methacrylate	10.89	69	193794	48.59	ppb	93
46) 1,4-dioxane	10.99	88	61571	984.20	ppb	97
47) dibromomethane	10.71	93	255433	51.07	ppb	96
48) bromodichloromethane	10.82	83	470303	51.03	ppb	99
49) 2-chloroethyl vinyl ether	11.26	63	180983	49.34	ppb	97
50) 2-pentanone	0.00	43	0	N.D.	d	
51) cis-1,3-dichloropropene	11.37	75	571730	51.24	ppb	96
52) 4-methyl-2-pentanone	11.86	43	1202635	198.94	ppb	99
55) toluene	11.60	91	1358318	51.89	ppb	99
56) ethyl methacrylate	11.97	69	381882	47.68	ppb	97
57) trans-1,3-dichloropropene	11.91	75	474354	49.75	ppb	97
58) 1,1,2-trichloroethane	12.06	83	247565	49.34	ppb	97
59) tetrachloroethene	11.94	164	219444	51.46	ppb	97
60) 2-hexanone	12.54	43	841467	189.19	ppb	95
61) 1,3-dichloropropane	12.30	76	461821	50.68	ppb	99
62) dibromochloromethane	12.23	129	385193	49.44	ppb	99
63) 1,2-dibromoethane	12.47	107	334235	49.12	ppb	97
64) 1-chlorohexane	12.77	91	501710	53.13	ppb	97
65) chlorobenzene	12.86	112	874837	52.41	ppb	93
66) ethylbenzene	12.84	91	1460449	52.16	ppb	99
67) 1,1,1,2-tetrachloroethane	12.89	131	297353	49.99	ppb	97
68) m,p-xylene	12.94	106	1164508	109.37	ppb	99
69) o-xylene	13.28	106	578331	53.09	ppb	99
70) styrene	13.32	104	927429	51.98	ppb	96
71) bromoform	13.38	173	199651	47.30	ppb	99
72) isopropylbenzene	13.51	105	1392977	52.20	ppb	100
75) 1,1,2,2-tetrachloroethane	13.86	83	385251	52.64	ppb	100
76) n-propylbenzene	13.82	91	1827730	53.64	ppb	100
77) trans-1,4-dichloro-2-buten	13.99	53	82753	51.20	ppb	96
78) 1,2,3-trichloropropane	13.99	110	99229	51.06	ppb	91
79) bromobenzene	13.87	156	311457	53.26	ppb	92
80) 1,3,5-trimethylbenzene	13.94	105	1194533	53.70	ppb	95
81) 2-chlorotoluene	13.98	126	337728	53.10	ppb	89
82) 4-chlorotoluene	14.10	126	335374	53.72	ppb	95
83) tert-butylbenzene	14.21	134	210428	53.56	ppb	95
84) 1,2,4-trimethylbenzene	14.25	105	1184483	53.32	ppb	99
85) sec-butylbenzene	14.35	105	1609234	53.24	ppb	100
86) p-isopropyltoluene	14.43	119	1241000	53.11	ppb	100
87) 1,3-dichlorobenzene	14.57	146	565879	51.54	ppb	98
88) 1,4-dichlorobenzene	14.63	146	541055	52.21	ppb	99
89) n-butylbenzene	14.77	91	1256012	53.84	ppb	100
90) 1,2-dichlorobenzene	15.00	146	523500	52.00	ppb	95
91) hexachloroethane	14.99	201	169825	51.86	ppb	99
92) 1,2-dibromo-3-chloropropan	15.68	157	53685	47.19	ppb	95
93) 1,2,4-trichlorobenzene	16.33	180	326207	49.59	ppb	99
94) hexachlorobutadiene	16.24	225	183916	50.30	ppb	100
95) naphthalene	16.69	128	693747	47.38	ppb	100
96) 1,2,3-trichlorobenzene	16.91	180	265431	49.57	ppb	99

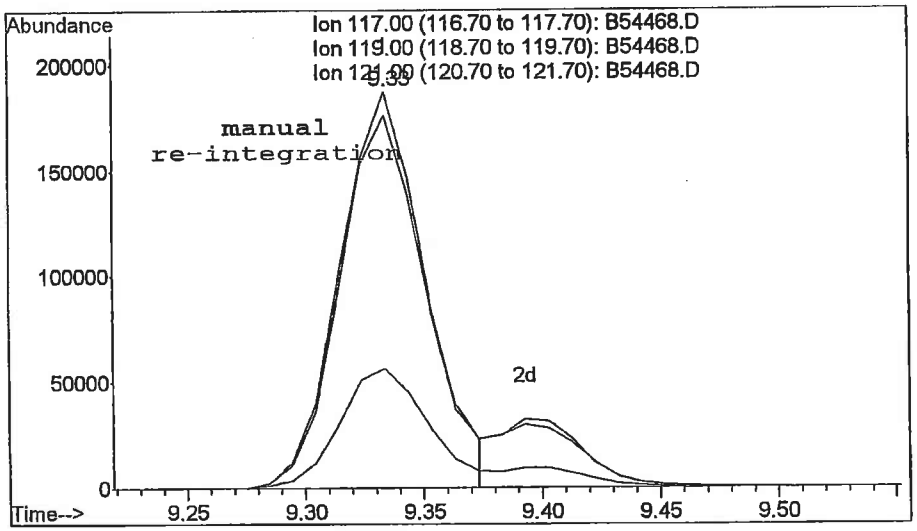
(#) = qualifier out of range (m) = manual integration



TIC: B54468.D

(36) carbon tetrachloride (M)
9.33min 55.50ppb
response 480988

Ion	Exp%	Act%
117.00	100	100
119.00	95.60	94.18
121.00	30.70	29.96
0.00	0.00	0.00



Reason for manual re-integration?

[] missed peak assignment

[] peak saturation (detector shutdown)

[X] over-integrated peak's area

[] under-integrated peak's area

[] other (_____)

initials: SMJ date: 11 / 17 / 08

TIC: B54468.D

(36) carbon tetrachloride (M)
9.33min 53.82ppb m
response 466466

Ion	Exp%	Act%
117.00	100	100
119.00	95.60	94.18
121.00	30.70	29.96
0.00	0.00	0.00

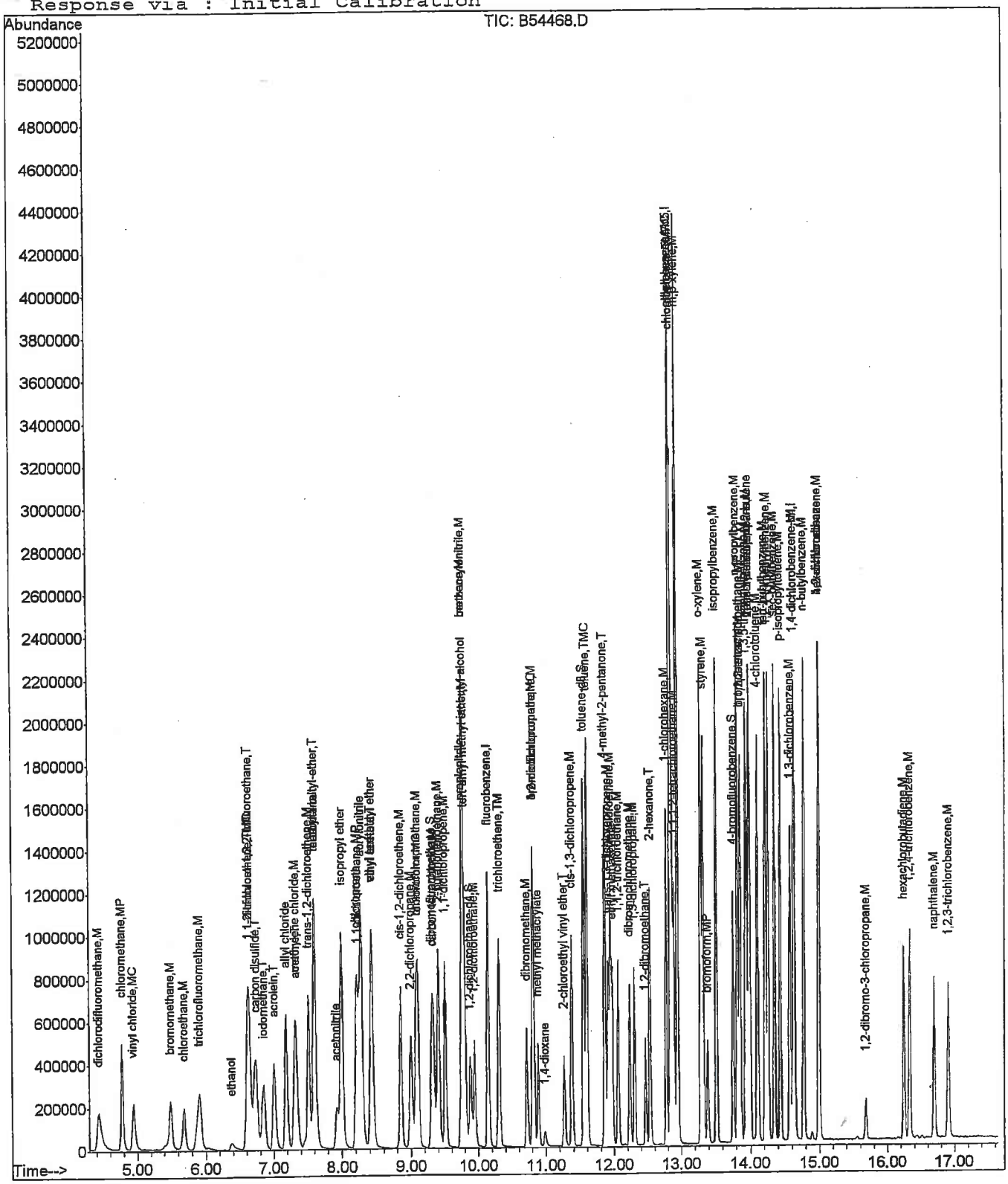
Quantitation Report

Data File : C:\HPCHEM\1\DATA\111408\B54468.D
Acq On : 14 Nov 2008 13:57
Sample : VOC_50ppb_ISDEF
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:32 2008

Vial: 7
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:31:31 2008
Response via : Initial Calibration



B54468.D 111408S.M Mon Nov 17 11:33:44 2008 Page 3

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\111408\B54470.D Vial: 9
Acq On : 14 Nov 2008 14:42 Operator: sdw-sop525r12
Sample : VOC_75ppb_CSTD Inst : CSS Instr
Misc : 5mls htd water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 11:29 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:19:33 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.15	96	1325150	50.00	ppb	0.00
53) chlorobenzene-d5	12.86	117	926740	50.00	ppb	0.01
74) 1,4-dichlorobenzene-d4	14.63	152	349349	50.00	ppb	0.00
System Monitoring Compounds						
34) dibromofluoromethane	9.31	113	411625	50.57	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 101.14%			
39) 1,2-dichloroethane-d4	9.88	65	326715	51.31	ppb	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 102.62%			
54) toluene-d8	11.56	100	793814	48.97	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 97.94%			
73) 4-bromofluorobenzene	13.76	174	291534	49.22	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 98.44%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	4.42	85	784574	74.84	ppb	100
3) chloromethane	4.77	50	997309	76.87	ppb	99
4) vinyl chloride	4.94	62	600623	77.53	ppb	96
5) bromomethane	5.49	96	319541	94.83	ppb	99
6) chloroethane	5.67	64	428330	81.62	ppb	98
7) trichlorofluoromethane	5.90	101	818791	77.13	ppb	100
8) ethanol	6.38	45	149695	1538.55	ppb	97
9) acrolein	7.00	56	979557	781.05	ppb	97
10) 1,1,2-trichloro-1,2,2-trif	6.64	101	603150	76.51	ppb	99
11) 1,1-dichloroethene	6.62	96	545995	76.70	ppb	99
12) acetone	7.34	58	179427	333.03	ppb	95
13) iodomethane	6.85	142	965020	76.23	ppb	99
14) carbon disulfide	6.73	76	1878430	75.60	ppb	99
15) allyl chloride	7.18	76	333190	78.19	ppb	95
16) acetonitrile	7.93	41	584165	781.10	ppb	96
17) methylene chloride	7.32	84	610724	74.75	ppb	96
18) tert-butanol	7.60	59	338966	418.66	ppb	98
19) methyl-t-butyl-ether	7.60	73	2588123	153.13	ppb	99
20) trans-1,2-dichloroethene	7.52	96	613776	77.52	ppb	96
21) acrylonitrile	8.28	53	1937865	786.30	ppb	99
22) isopropyl ether	8.00	45	2211501	78.22	ppb	99
23) vinyl acetate	8.44	43	977006	79.13	ppb	99
24) 1,1-dichloroethane	8.24	63	1110863	78.28	ppb	99
25) chloroprene	8.22	53	896642	78.70	ppb	96
26) 2-butanone	9.42	43	1020164	330.25	ppb	99
27) ethyl tert-butyl ether	8.42	59	1772963	77.36	ppb	99
28) 2,2-dichloropropane	9.00	77	720214	80.12	ppb	98
29) cis-1,2-dichloroethene	8.86	96	673379	76.60	ppb	100
30) propionitrile	9.74	54	702684	798.32	ppb #	83
31) methacrylonitrile	9.77	41	833617	79.20	ppb	97
32) bromochloromethane	9.08	128	315417	75.45	ppb	98
33) chloroform	9.10	83	1019953	76.79	ppb	98
35) 1,1,1-trichloroethane	9.40	97	819622	78.22	ppb	98
36) carbon tetrachloride	9.34	117	711022	77.06	ppb	98
37) 1,1-dichloropropene	9.51	75	759626	78.60	ppb	99
38) isobutyl alcohol	9.77	43	1008758	1579.58	ppb	99
40) tert-amyl methyl ether	9.80	73	1402777	77.66	ppb	99
41) benzene	9.77	78	2081752	77.93	ppb	99
42) 1,2-dichloroethane	9.95	62	666670	76.53	ppb	98
43) trichloroethene	10.31	95	606744	78.19	ppb	97

(#) = qualifier out of range (m) = manual integration
B54470.D 111408S.M Mon Nov 17 11:29:59 2008 11-17-08 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\111408\B54470.D
Acq On : 14 Nov 2008 14:42
Sample : VOC_75ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:29 2008

Vial: 9
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:19:33 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44)	1,2-dichloropropane	10.81	63	605204	77.56	ppb	100
45)	methyl methacrylate	10.89	69	324442	76.40	ppb	98
46)	1,4-dioxane	10.99	88	103519	1554.21	ppb	98
47)	dibromomethane	10.72	93	415923	78.10	ppb	98
48)	bromodichloromethane	10.83	83	763454	77.81	ppb	98
49)	2-chloroethyl vinyl ether	11.27	63	304898	78.07	ppb	98
50)	2-pentanone	0.00	43	0	N.D.	d	
51)	cis-1,3-dichloropropene	11.38	75	900659	75.81	ppb	96
52)	4-methyl-2-pentanone	11.87	43	2115647	328.71	ppb	99
55)	toluene	11.60	91	2127808	76.14	ppb	99
56)	ethyl methacrylate	11.98	69	658387	77.01	ppb	98
57)	trans-1,3-dichloropropene	11.92	75	772700	75.92	ppb	97
58)	1,1,2-trichloroethane	12.07	83	417054	77.86	ppb	97
59)	tetrachloroethene	11.95	164	347989	76.45	ppb	98
60)	2-hexanone	12.54	43	1525567	321.31	ppb	98
61)	1,3-dichloropropane	12.31	76	752968	77.41	ppb	99
62)	dibromochloromethane	12.23	129	636129	76.48	ppb	99
63)	1,2-dibromoethane	12.47	107	568417	78.25	ppb	100
64)	1-chlorohexane	12.79	91	799756	79.33	ppb	95
65)	chlorobenzene	12.87	112	1395479	78.32	ppb	95
66)	ethylbenzene	12.85	91	2314984	77.46	ppb	100
67)	1,1,1,2-tetrachloroethane	12.89	131	479584	75.53	ppb	98
68)	m,p-xylene	12.95	106	1760333	154.88	ppb	100
69)	o-xylene	13.30	106	911336	78.36	ppb	97
70)	styrene	13.33	104	1468514	77.11	ppb	98
71)	bromoform	13.40	173	349104	77.48	ppb	99
72)	isopropylbenzene	13.52	105	2148900	75.44	ppb	98
75)	1,1,2,2-tetrachloroethane	13.86	83	659391	86.67	ppb	100
76)	n-propylbenzene	13.83	91	2831911	79.94	ppb	98
77)	trans-1,4-dichloro-2-buten	14.00	53	142961	85.09	ppb	84
78)	1,2,3-trichloropropane	14.01	110	168218	83.25	ppb	82
79)	bromobenzene	13.88	156	500790	82.38	ppb	96
80)	1,3,5-trimethylbenzene	13.95	105	1866914	80.72	ppb	97
81)	2-chlorotoluene	13.99	126	525464	79.46	ppb	93
82)	4-chlorotoluene	14.11	126	518832	79.94	ppb	86
83)	tert-butylbenzene	14.22	134	307185	75.21	ppb	96
84)	1,2,4-trimethylbenzene	14.26	105	1800759	77.97	ppb	100
85)	sec-butylbenzene	14.35	105	2528199	80.45	ppb	98
86)	p-isopropyltoluene	14.44	119	1907460	78.52	ppb	98
87)	1,3-dichlorobenzene	14.58	146	885259	77.56	ppb	96
88)	1,4-dichlorobenzene	14.65	146	856862	79.54	ppb	96
89)	n-butylbenzene	14.78	91	1956768	80.68	ppb	98
90)	1,2-dichlorobenzene	15.00	146	839127	80.17	ppb	98
91)	hexachloroethane	14.99	201	264548	77.70	ppb	99
92)	1,2-dibromo-3-chloropropan	15.68	157	96559	81.64	ppb	94
93)	1,2,4-trichlorobenzene	16.33	180	515166	75.33	ppb	97
94)	hexachlorobutadiene	16.25	225	295506	77.74	ppb	99
95)	naphthalene	16.71	128	1171751	76.97	ppb	100
96)	1,2,3-trichlorobenzene	16.91	180	433434	77.87	ppb	100

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

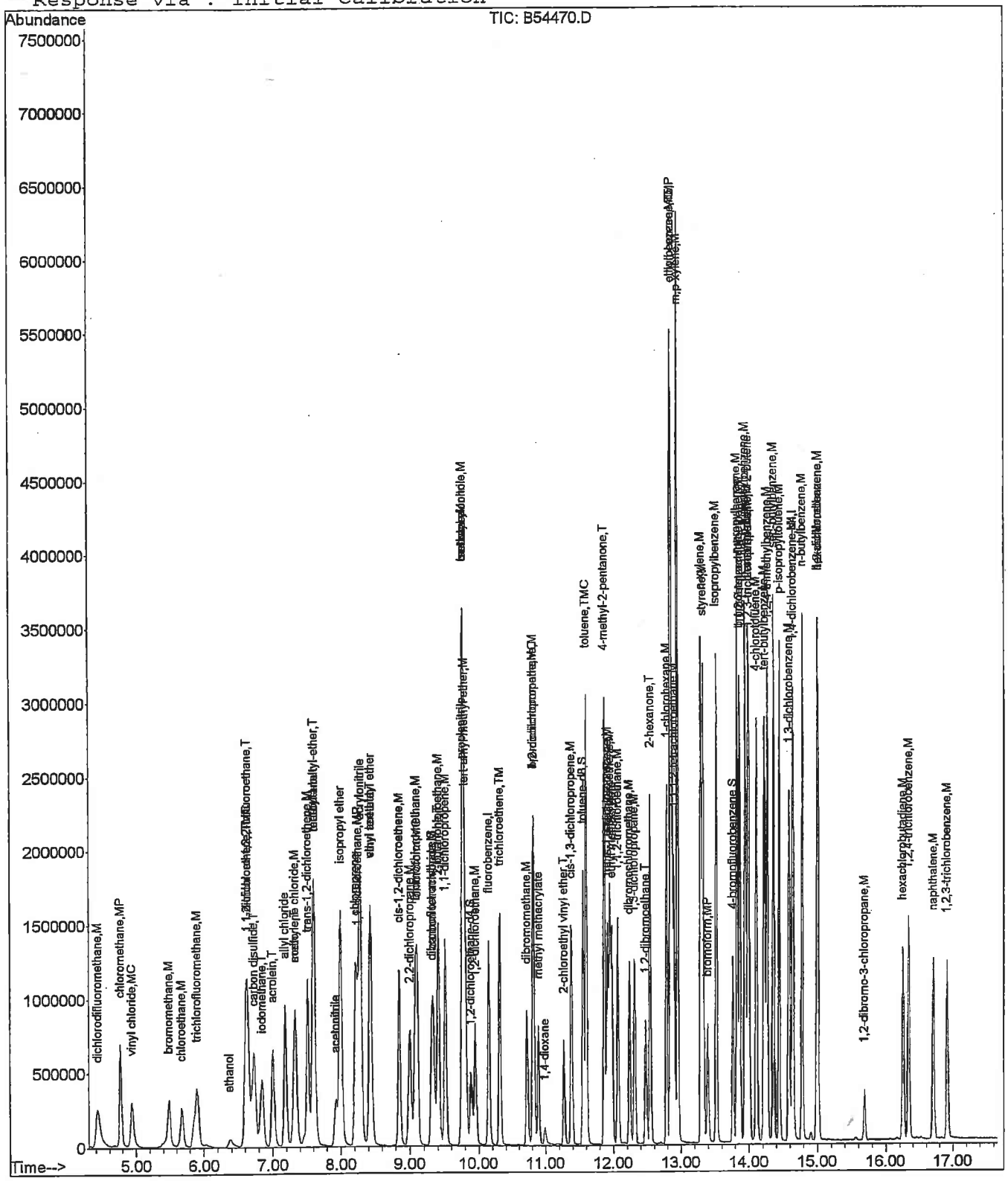
Quantitation Report

Data File : C:\HPCHEM\1\DATA\111408\B54470.D
Acq On : 14 Nov 2008 14:42
Sample : VOC_75ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:29 2008

Vial: 9
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:19:33 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\111408\B54472.D
Acq On : 14 Nov 2008 15:28
Sample : VOC_100ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:16 2008

Vial: 11
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:14:34 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.14	96	1299534	50.00	ppb	0.00
53) chlorobenzene-d5	12.84	117	918809	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.62	152	352277	50.00	ppb	0.00
System Monitoring Compounds						
34) dibromofluoromethane	9.30	113	398521	49.86	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	99.72%		
39) 1,2-dichloroethane-d4	9.88	65	309234	49.05	ppb	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery =	98.10%		
54) toluene-d8	11.55	100	771534	46.16	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery =	92.32%		
73) 4-bromofluorobenzene	13.76	174	282349	46.30	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	92.60%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	4.43	85	1032266	100.81	ppb	98
3) chloromethane	4.77	50	1296042	103.79	ppb	98
4) vinyl chloride	4.94	62	764098	101.16	ppb	99
5) bromomethane	5.48	96	382351	137.27	ppb	97
6) chloroethane	5.68	64	548244	113.97	ppb	99
7) trichlorofluoromethane	5.91	101	1045229	100.82	ppb	99
8) ethanol	6.38	45	189182	1965.73	ppb	98
9) acrolein	7.00	56	1225816	993.36	ppb	97
10) 1,1,2-trichloro-1,2,2-trif	6.64	101	775209	100.55	ppb	99
11) 1,1-dichloroethene	6.63	96	706564	102.46	ppb	99
12) acetone	7.34	58	205618	378.91	ppb	94
13) iodomethane	6.85	142	1230968	98.33	ppb	99
14) carbon disulfide	6.73	76	2444910	100.68	ppb	100
15) allyl chloride	7.19	76	412643	97.53	ppb	97
16) acetonitrile	7.93	41	704742	924.75	ppb	96
17) methylene chloride	7.32	84	788725	96.92	ppb	98
18) tert-butanol	7.60	59	378727	456.00	ppb	90
19) methyl-t-butyl-ether	7.60	73	3232719	190.32	ppb	99
20) trans-1,2-dichloroethene	7.51	96	773335	99.19	ppb	99
21) acrylonitrile	8.28	53	2397993	984.48	ppb	99
22) isopropyl ether	7.99	45	2754630	98.70	ppb	99
23) vinyl acetate	8.44	43	1193782	97.22	ppb	100
24) 1,1-dichloroethane	8.24	63	1385495	99.11	ppb	99
25) chloroprene	8.21	53	1115507	99.68	ppb	97
26) 2-butanone	9.40	43	1206524	396.58	ppb	99
27) ethyl tert-butyl ether	8.42	59	2206366	96.41	ppb	99
28) 2,2-dichloropropane	9.00	77	890872	102.13	ppb	99
29) cis-1,2-dichloroethene	8.85	96	861815	99.93	ppb	99
30) propionitrile	9.74	54	847135	963.48	ppb	88
31) methacrylonitrile	9.77	41	1023439	98.32	ppb	96
32) bromochloromethane	9.08	128	408009	99.04	ppb	96
33) chloroform	9.10	83	1299644	99.56	ppb	100
35) 1,1,1-trichloroethane	9.39	97	1031395	100.75	ppb	99
36) carbon tetrachloride	9.33	117	906741m	100.42	ppb	
37) 1,1-dichloropropene	9.50	75	956276	101.82	ppb	99
38) isobutyl alcohol	9.77	43	1237011	1950.97	ppb	99
40) tert-amyl methyl ether	9.80	73	1754120	98.06	ppb	99
41) benzene	9.76	78	2651390	102.44	ppb	98
42) 1,2-dichloroethane	9.95	62	844774	97.79	ppb	99
43) trichloroethene	10.30	95	769648	102.31	ppb	97

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

Quantitation Report (QT Reviewed)

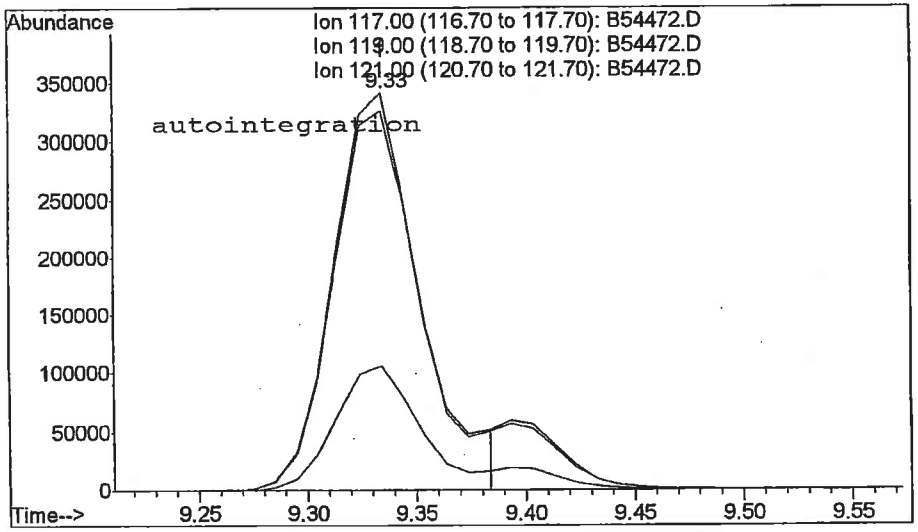
Data File : C:\HPCHEM\1\DATA\111408\B54472.D
Acq On : 14 Nov 2008 15:28
Sample : VOC_100ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:16 2008

Vial: 11
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:14:34 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44)	1,2-dichloropropane	10.80	63	763222	99.48	ppb	99
45)	methyl methacrylate	10.88	69	405916	95.07	ppb	97
46)	1,4-dioxane	10.98	88	126511	1877.55	ppb	95
47)	dibromomethane	10.71	93	515852	97.58	ppb	97
48)	bromodichloromethane	10.81	83	956225	98.76	ppb	98
49)	2-chloroethyl vinyl ether	11.27	63	380253	98.57	ppb	99
50)	2-pentanone	0.00	43	0	N.D.	d	
51)	cis-1,3-dichloropropene	11.37	75	1157797	98.76	ppb	100
52)	4-methyl-2-pentanone	11.86	43	2500203	392.30	ppb	98
55)	toluene	11.59	91	2693710	94.61	ppb	100
56)	ethyl methacrylate	11.97	69	806631	90.77	ppb	96
57)	trans-1,3-dichloropropene	11.91	75	951536	89.22	ppb	97
58)	1,1,2-trichloroethane	12.05	83	509251	92.12	ppb	100
59)	tetrachloroethene	11.95	164	436782	93.77	ppb	92
60)	2-hexanone	12.53	43	1791148	362.82	ppb	100
61)	1,3-dichloropropane	12.30	76	927675	92.67	ppb	98
62)	dibromochloromethane	12.23	129	788737	91.67	ppb	98
63)	1,2-dibromoethane	12.47	107	680838	89.64	ppb	98
64)	1-chlorohexane	12.77	91	972754	94.79	ppb	99
65)	chlorobenzene	12.86	112	1709360	93.73	ppb	92
66)	ethylbenzene	12.84	91	2890526	95.22	ppb	99
67)	1,1,1,2-tetrachloroethane	12.89	131	602075	91.63	ppb	99
68)	m,p-xylene	12.94	106	2198105	190.36	ppb	96
69)	o-xylene	13.28	106	1116646	93.89	ppb	100
70)	styrene	13.32	104	1814151	92.45	ppb	96
71)	bromoform	13.38	173	422653	89.78	ppb	99
72)	isopropylbenzene	13.51	105	2779501	96.90	ppb	100
75)	1,1,2,2-tetrachloroethane	13.86	83	755136	96.91	ppb	98
76)	n-propylbenzene	13.82	91	3570098	99.89	ppb	100
77)	trans-1,4-dichloro-2-buten	13.99	53	169489	100.07	ppb	96
78)	1,2,3-trichloropropane	13.99	110	199206	95.64	ppb	93
79)	bromobenzene	13.87	156	608777	98.62	ppb	95
80)	1,3,5-trimethylbenzene	13.94	105	2344218	101.04	ppb	99
81)	2-chlorotoluene	13.98	126	670454	101.10	ppb	86
82)	4-chlorotoluene	14.10	126	658856	101.34	ppb	95
83)	tert-butylbenzene	14.21	134	416496	102.28	ppb	99
84)	1,2,4-trimethylbenzene	14.25	105	2308539	98.27	ppb	98
85)	sec-butylbenzene	14.35	105	3225533	103.65	ppb	99
86)	p-isopropyltoluene	14.43	119	2451541	100.15	ppb	99
87)	1,3-dichlorobenzene	14.58	146	1138982	97.93	ppb	99
88)	1,4-dichlorobenzene	14.63	146	1082111	99.23	ppb	99
89)	n-butylbenzene	14.77	91	2505930	105.05	ppb	100
90)	1,2-dichlorobenzene	15.00	146	1054083	99.74	ppb	95
91)	hexachloroethane	14.99	201	343911	100.34	ppb	99
92)	1,2-dibromo-3-chloropropan	15.68	157	115265	93.52	ppb	95
93)	1,2,4-trichlorobenzene	16.33	180	690748	100.34	ppb	100
94)	hexachlorobutadiene	16.24	225	394224	105.87	ppb	99
95)	naphthalene	16.69	128	1505996	96.27	ppb	100
96)	1,2,3-trichlorobenzene	16.91	180	564857	101.28	ppb	98

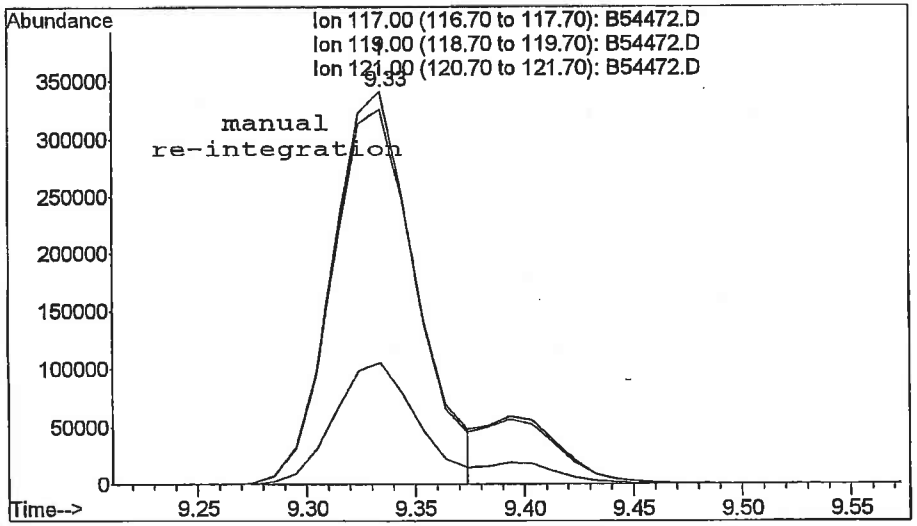
(#) = qualifier out of range (m) = manual integration



TIC: B54472.D

(36) carbon tetrachloride (M)
9.33min 103.79ppb
response 937159

Ion	Exp%	Act%
117.00	100	100
119.00	95.60	95.51
121.00	30.70	30.94
0.00	0.00	0.00



Reason for manual re-integration?

[] missed peak assignment

[] peak saturation (detector shutdown)

[X] over-integrated peak's area

[] under-integrated peak's area

[] other (_____)

initials: SMJ date: 11 / 17 / 08

TIC: B54472.D

(36) carbon tetrachloride (M)
9.33min 100.42ppb m
response 906741

Ion	Exp%	Act%
117.00	100	100
119.00	95.60	95.51
121.00	30.70	30.94
0.00	0.00	0.00

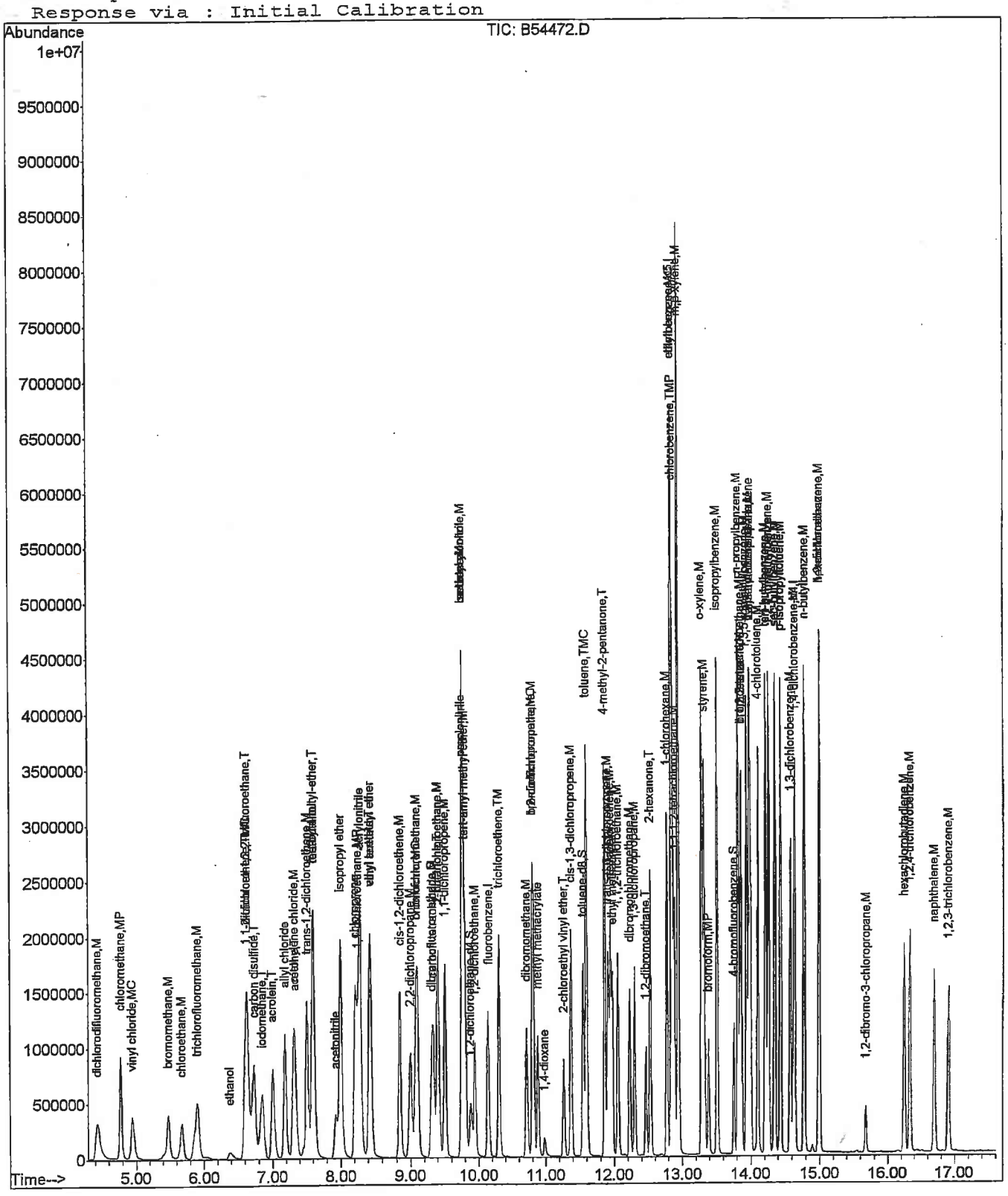
Quantitation Report

Data File : C:\HPCHEM\1\DATA\111408\B54472.D
Acq On : 14 Nov 2008 15:28
Sample : VOC_100ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:16 2008

Vial: 11
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:19:33 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\111408\B54474.D
Acq On : 14 Nov 2008 16:16
Sample : VOC_150ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:18 2008

Vial: 13
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:14:34 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.14	96	1280554	50.00	ppb	0.00
53) chlorobenzene-d5	12.84	117	846600	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.62	152	342750	50.00	ppb	0.00
System Monitoring Compounds						
34) dibromofluoromethane	9.30	113	393827	50.00	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	100.00%		
39) 1,2-dichloroethane-d4	9.88	65	310633	50.00	ppb	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery =	100.00%		
54) toluene-d8	11.55	100	769985	50.00	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery =	100.00%		
73) 4-bromofluorobenzene	13.76	174	280964	50.00	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	100.00%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	4.43	85	1513541	150.00	ppb	99
3) chloromethane	4.77	50	1845765	150.00	ppb	99
4) vinyl chloride	4.94	62	1116493	150.00	ppb	100
5) bromomethane	5.47	96	411698	150.00	ppb	99
6) chloroethane	5.67	64	711014	150.00	ppb	100
7) trichlorofluoromethane	5.91	101	1532405	150.00	ppb	99
8) ethanol	6.38	45	284503	3000.00	ppb	97
9) acrolein	7.00	56	1823984	1500.00	ppb	97
10) 1,1,2-trichloro-1,2,2-trif	6.63	101	1139592	150.00	ppb	99
11) 1,1-dichloroethene	6.62	96	1019273	150.00	ppb	98
12) acetone	7.34	58	320841	600.00	ppb	92
13) iodomethane	6.85	142	1850374	150.00	ppb	99
14) carbon disulfide	6.73	76	3589433	150.00	ppb	100
15) allyl chloride	7.18	76	625365	150.00	ppb	97
16) acetonitrile	7.93	41	1126438	1500.00	ppb	97
17) methylene chloride	7.31	84	1202812	150.00	ppb	99
18) tert-butanol	7.60	59	613815	750.00	ppb	94
19) methyl-t-butyl-ether	7.60	73	5021403	300.00	ppb	99
20) trans-1,2-dichloroethene	7.51	96	1152433	150.00	ppb	96
21) acrylonitrile	8.28	53	3600320	1500.00	ppb	99
22) isopropyl ether	7.99	45	4125238	150.00	ppb	99
23) vinyl acetate	8.43	43	1815067	150.00	ppb	99
24) 1,1-dichloroethane	8.24	63	2066203	150.00	ppb	98
25) chloroprene	8.21	53	1654086	150.00	ppb	97
26) 2-butanone	9.40	43	1798727	600.00	ppb	99
27) ethyl tert-butyl ether	8.42	59	3382584	150.00	ppb	99
28) 2,2-dichloropropane	9.00	77	1289327	150.00	ppb	99
29) cis-1,2-dichloroethene	8.84	96	1274681	150.00	ppb	98
30) propionitrile	9.74	54	1299601	1500.00	ppb	90
31) methacrylonitrile	9.77	41	1538630	150.00	ppb	93
32) bromochloromethane	9.07	128	608907	150.00	ppb	96
33) chloroform	9.10	83	1929510	150.00	ppb	98
35) 1,1,1-trichloroethane	9.39	97	1513193	150.00	ppb	98
36) carbon tetrachloride	9.32	117	1334679	150.00	ppb	99
37) 1,1-dichloropropene	9.50	75	1388226	150.00	ppb	98
38) isobutyl alcohol	9.77	43	1874368	3000.00	ppb	98
40) tert-amyl methyl ether	9.80	73	2644031	150.00	ppb	99
41) benzene	9.76	78	3825467	150.00	ppb	99
42) 1,2-dichloroethane	9.94	62	1276810	150.00	ppb	99
43) trichloroethene	10.30	95	1111973	150.00	ppb	98

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

MJ 11-17-08

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\111408\B54474.D
Acq On : 14 Nov 2008 16:16
Sample : VOC_150ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:18 2008

Vial: 13
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:14:34 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44)	1,2-dichloropropane	10.80	63	1134054	150.00	ppb	99
45)	methyl methacrylate	10.88	69	631104	150.00	ppb	96
46)	1,4-dioxane	10.98	88	199190	3000.00	ppb	97
47)	dibromomethane	10.71	93	781350	150.00	ppb	95
48)	bromodichloromethane	10.81	83	1431171	150.00	ppb	99
49)	2-chloroethyl vinyl ether	11.27	63	570188	150.00	ppb	99
50)	2-pentanone	0.00	43	0	N.D.	d	
51)	cis-1,3-dichloropropene	11.37	75	1732864	150.00	ppb	100
52)	4-methyl-2-pentanone	11.86	43	3768093	600.00	ppb	98
55)	toluene	11.59	91	3935293	150.00	ppb	99
56)	ethyl methacrylate	11.97	69	1228266	150.00	ppb	96
57)	trans-1,3-dichloropropene	11.91	75	1474112	150.00	ppb	97
58)	1,1,2-trichloroethane	12.05	83	764092	150.00	ppb	100
59)	tetrachloroethene	11.94	164	643821	150.00	ppb	94
60)	2-hexanone	12.53	43	2729239	600.00	ppb	99
61)	1,3-dichloropropane	12.30	76	1383625	150.00	ppb	99
62)	dibromochloromethane	12.23	129	1189242	150.00	ppb	100
63)	1,2-dibromoethane	12.47	107	1049771	150.00	ppb	98
64)	1-chlorohexane	12.77	91	1418310	150.00	ppb	99
65)	chlorobenzene	12.86	112	2520486	150.00	ppb	91
66)	ethylbenzene	12.84	91	4195527	150.00	ppb	100
67)	1,1,1,2-tetrachloroethane	12.89	131	908116	150.00	ppb	97
68)	m,p-xylene	12.94	106	3191847	300.00	ppb	96
69)	o-xylene	13.28	106	1643803	150.00	ppb	97
70)	styrene	13.32	104	2712105	150.00	ppb	96
71)	bromoform	13.38	173	650687	150.00	ppb	99
72)	isopropylbenzene	13.51	105	3964661	150.00	ppb	100
75)	1,1,2,2-tetrachloroethane	13.86	83	1137263	150.00	ppb	98
76)	n-propylbenzene	13.82	91	5215974	150.00	ppb	100
77)	trans-1,4-dichloro-2-buten	13.99	53	247183	150.00	ppb	96
78)	1,2,3-trichloropropane	13.99	110	303980	150.00	ppb	99
79)	bromobenzene	13.87	156	900887	150.00	ppb	100
80)	1,3,5-trimethylbenzene	13.93	105	3385957	150.00	ppb	100
81)	2-chlorotoluene	13.97	126	967839	150.00	ppb	97
82)	4-chlorotoluene	14.10	126	948806	150.00	ppb	96
83)	tert-butylbenzene	14.21	134	594281	150.00	ppb	100
84)	1,2,4-trimethylbenzene	14.25	105	3428609	150.00	ppb	99
85)	sec-butylbenzene	14.35	105	4541898	150.00	ppb	100
86)	p-isopropyltoluene	14.43	119	3572562	150.00	ppb	99
87)	1,3-dichlorobenzene	14.58	146	1697402	150.00	ppb	99
88)	1,4-dichlorobenzene	14.63	146	1591501	150.00	ppb	98
89)	n-butylbenzene	14.77	91	3481410	150.00	ppb	99
90)	1,2-dichlorobenzene	14.99	146	1542312	150.00	ppb	99
91)	hexachloroethane	14.99	201	500190	150.00	ppb	99
92)	1,2-dibromo-3-chloropropan	15.68	157	179885	150.00	ppb	98
93)	1,2,4-trichlorobenzene	16.33	180	1004715	150.00	ppb	100
94)	hexachlorobutadiene	16.24	225	543467	150.00	ppb	98
95)	naphthalene	16.69	128	2282943	150.00	ppb	100
96)	1,2,3-trichlorobenzene	16.91	180	813972	150.00	ppb	99

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

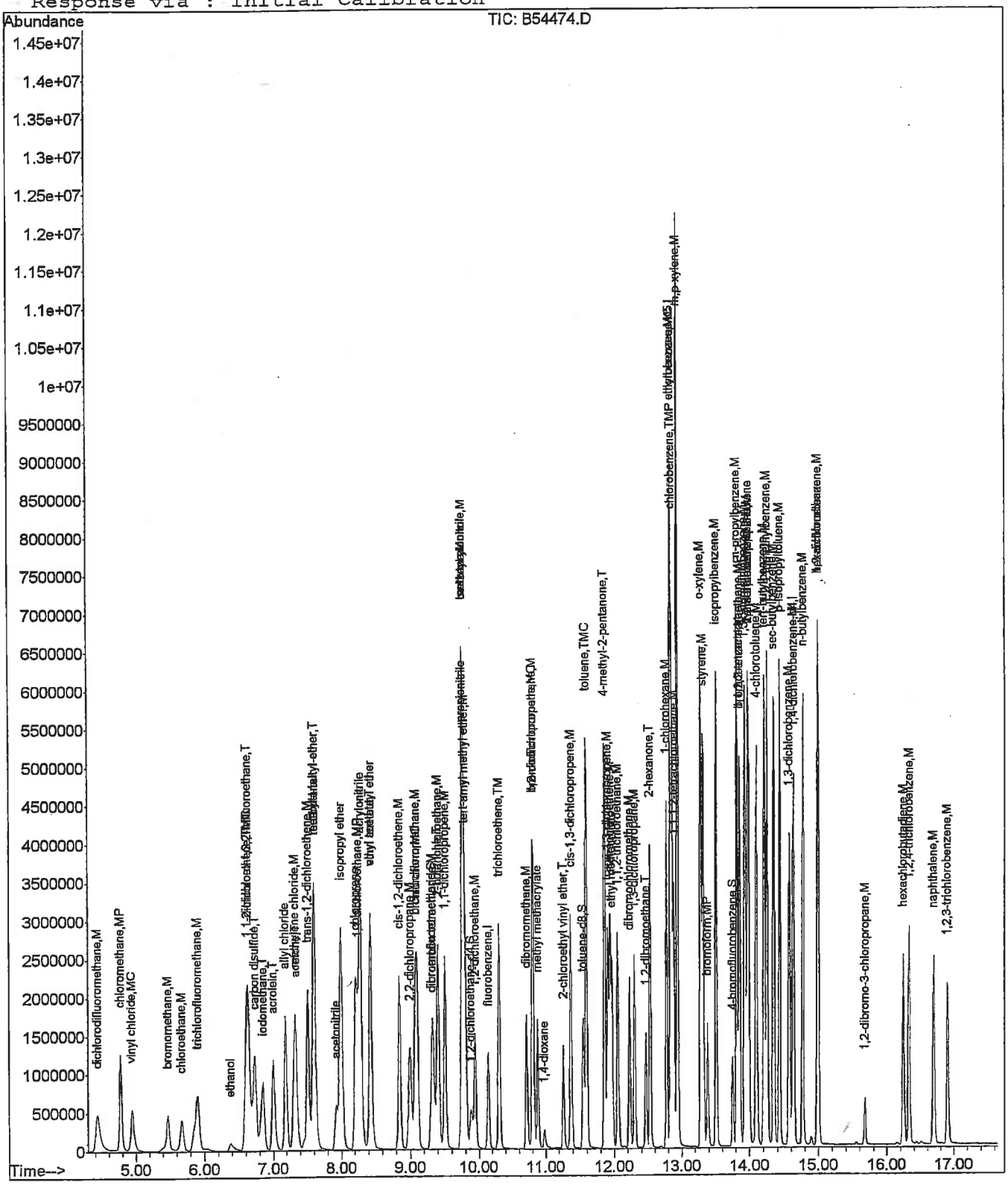
Quantitation Report

Data File : C:\HPCHEM\1\DATA\111408\B54474.D
Acq On : 14 Nov 2008 16:16
Sample : VOC_150ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:18 2008

Vial: 13
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:18:30 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\111408\B54477.D Vial: 16
Acq On : 14 Nov 2008 17:26 Operator: sdw-sop525r12
Sample : VL081114-2ICV Inst : CSS Instr
Misc : 5mls htd water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 11:50 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:44:45 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.14	96	1284115	50.00	ppb	0.00
53) chlorobenzene-d5	12.84	117	909186	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.62	152	346598	50.00	ppb	0.00
System Monitoring Compounds						
34) dibromofluoromethane	9.30	113	404533	51.85	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 103.70%			
39) 1,2-dichloroethane-d4	9.87	65	316374	51.00	ppb	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 102.00%			
54) toluene-d8	11.55	100	781209	52.01	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 104.02%			
73) 4-bromofluorobenzene	13.76	174	288466	52.52	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 105.04%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	4.43	85	501656	50.02	ppb	98
3) chloromethane	4.77	50	642655	47.11	ppb	99
4) vinyl chloride	4.94	62	360707	47.10	ppb	100
5) bromomethane	5.49	96	224804	47.48	ppb	94
6) chloroethane	5.68	64	274206	46.84	ppb	97
7) trichlorofluoromethane	5.90	101	481468	46.40	ppb	98
8) ethanol	6.37	45	112315	1230.90	ppb	98
9) acrolein	7.00	56	662815	542.97	ppb	96
10) 1,1,2-trichloro-1,2,2-trif	6.63	101	364855	47.23	ppb	99
11) 1,1-dichloroethene	6.61	96	343293	48.32	ppb	99
12) acetone	7.33	58	122585	220.60	ppb	94
13) iodomethane	6.85	142	654307	53.56	ppb	99
14) carbon disulfide	6.73	76	1190111	49.95	ppb	99
15) allyl chloride	7.19	76	198993	48.13	ppb	98
16) acetonitrile	7.92	41	405878	543.48	ppb	98
17) methylene chloride	7.31	84	417643	52.35	ppb	98
18) tert-butanol	7.60	59	222305	279.03	ppb	95
19) methyl-t-butyl-ether	7.60	73	1787811	108.40	ppb	100
20) trans-1,2-dichloroethene	7.51	96	391945	50.19	ppb	94
21) acrylonitrile	8.28	53	1299590	539.76	ppb	100
22) isopropyl ether	7.99	45	1383867	49.34	ppb	99
23) vinyl acetate	8.43	43	571895	46.74	ppb	98
24) 1,1-dichloroethane	8.24	63	715484	50.58	ppb	99
25) chloroprene	8.21	53	530784	47.13	ppb	95
26) 2-butanone	9.40	43	663815	211.16	ppb	99
27) ethyl tert-butyl ether	8.42	59	1148088	50.70	ppb	100
28) 2,2-dichloropropane	9.00	77	414915	45.36	ppb	98
29) cis-1,2-dichloroethene	8.84	96	438316	50.49	ppb	98
30) propionitrile	9.74	54	487769	564.57	ppb	89
31) methacrylonitrile	9.76	41	586269	55.92	ppb	96
32) bromochloromethane	9.07	128	217311	53.45	ppb	96
33) chloroform	9.10	83	658038	50.68	ppb	99
35) 1,1,1-trichloroethane	9.39	97	503392	48.62	ppb	97
36) carbon tetrachloride	9.33	117	438961	48.34	ppb	98
37) 1,1-dichloropropene	9.50	75	464602	48.26	ppb	99
38) isobutyl alcohol	9.77	43	708424	1115.12	ppb	94
40) tert-amyl methyl ether	9.80	73	917442	50.15	ppb	99
41) benzene	9.76	78	1383708	50.90	ppb	98
42) 1,2-dichloroethane	9.94	62	451155	52.98	ppb	99
43) trichloroethene	10.30	95	375358	48.85	ppb	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\111408\B54477.D Vial: 16
Acq On : 14 Nov 2008 17:26 Operator: sdw-sop525r12
Sample : VL081114-2ICV Inst : CSS Instr
Misc : 5mls htd water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 11:50 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:44:45 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44) 1,2-dichloropropane	10.80	63	413820	53.26 ppb	99
45) methyl methacrylate	10.88	69	225402	56.21 ppb	98
46) 1,4-dioxane	10.98	88	79611	1295.47 ppb	95
47) dibromomethane	10.71	93	280457	53.65 ppb	95
48) bromodichloromethane	10.81	83	502747	53.34 ppb	98
49) 2-chloroethyl vinyl ether	11.26	63	201609	55.15 ppb	99
50) 2-pentanone	0.00	43	0	N.D. d	
51) cis-1,3-dichloropropene	11.37	75	597073	52.56 ppb	100
52) 4-methyl-2-pentanone	11.86	43	1400197	213.98 ppb	99
55) toluene	11.59	91	1344082	49.48 ppb	99
56) ethyl methacrylate	11.97	69	440681	55.90 ppb	97
57) trans-1,3-dichloropropene	11.90	75	495023	51.50 ppb	99
58) 1,1,2-trichloroethane	12.05	83	275940	52.04 ppb	98
59) tetrachloroethene	11.94	164	214984	48.34 ppb	95
60) 2-hexanone	12.53	43	986062	212.48 ppb	99
61) 1,3-dichloropropane	12.30	76	502418	52.45 ppb	99
62) dibromochloromethane	12.23	129	410780	53.66 ppb	100
63) 1,2-dibromoethane	12.47	107	379470	54.30 ppb	99
64) 1-chlorohexane	12.77	91	460960	46.65 ppb	98
65) chlorobenzene	12.86	112	890827	50.67 ppb	91
66) ethylbenzene	12.84	91	1452171	49.25 ppb	99
67) 1,1,1,2-tetrachloroethane	12.89	131	321315	52.56 ppb	99
68) m,p-xylene	12.94	106	1118903	98.75 ppb	99
69) o-xylene	13.28	106	580245	50.57 ppb	99
70) styrene	13.32	104	945928	51.12 ppb	97
71) bromoform	13.38	173	220608	53.48 ppb	99
72) isopropylbenzene	13.51	105	1360793	48.96 ppb	99
75) 1,1,2,2-tetrachloroethane	13.86	83	434998	51.40 ppb	99
76) n-propylbenzene	13.82	91	1762869	47.53 ppb	99
77) trans-1,4-dichloro-2-buten	13.99	53	91665	52.89 ppb	98
78) 1,2,3-trichloropropane	13.99	110	111750	50.77 ppb	97
79) bromobenzene	13.86	156	324486	50.60 ppb	84
80) 1,3,5-trimethylbenzene	13.93	105	1163765	47.84 ppb	99
81) 2-chlorotoluene	13.98	126	332626	47.62 ppb	83
82) 4-chlorotoluene	14.10	126	324685	47.56 ppb	93
83) tert-butylbenzene	14.21	134	202829	48.08 ppb	97
84) 1,2,4-trimethylbenzene	14.25	105	1144186	47.46 ppb	99
85) sec-butylbenzene	14.35	105	1505398	45.68 ppb	100
86) p-isopropyltoluene	14.43	119	1164861	45.76 ppb	99
87) 1,3-dichlorobenzene	14.57	146	572840	48.66 ppb	99
88) 1,4-dichlorobenzene	14.63	146	547515	48.80 ppb	99
89) n-butylbenzene	14.77	91	1141265	44.95 ppb	99
90) 1,2-dichlorobenzene	15.00	146	544024	49.53 ppb	95
91) hexachloroethane	14.99	201	161162	48.20 ppb	97
92) 1,2-dibromo-3-chloropropan	15.68	157	64276	55.63 ppb	95
93) 1,2,4-trichlorobenzene	16.33	180	320551	48.10 ppb	99
94) hexachlorobutadiene	16.24	225	170237	43.75 ppb	98
95) naphthalene	16.69	128	790100	52.95 ppb	100
96) 1,2,3-trichlorobenzene	16.91	180	278819	50.52 ppb	98

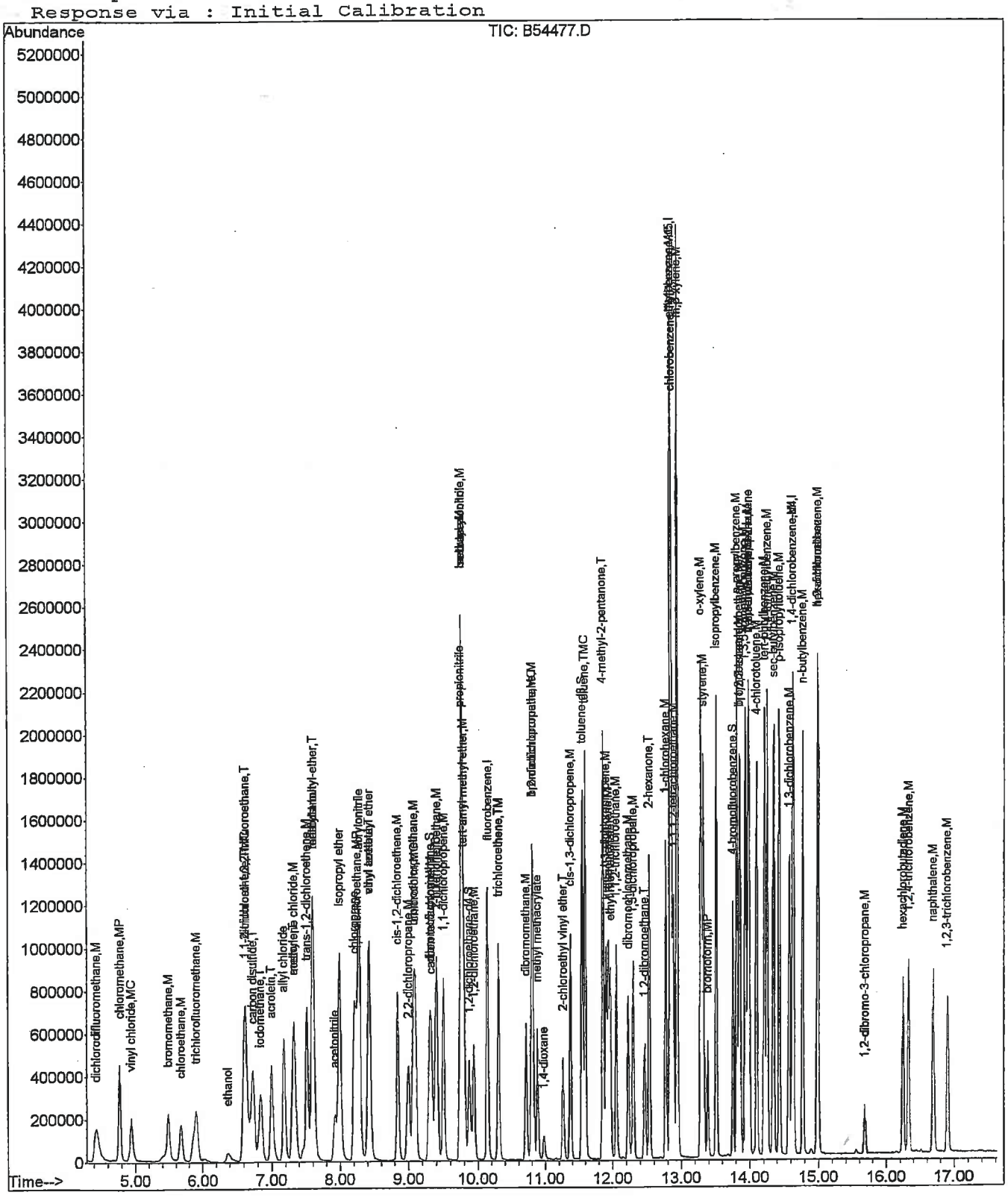
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\111408\B54477.D
Acq On : 14 Nov 2008 17:26
Sample : VL081114-2ICV
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Nov 17 11:50 2008

Vial: 16
Operator: sdw-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

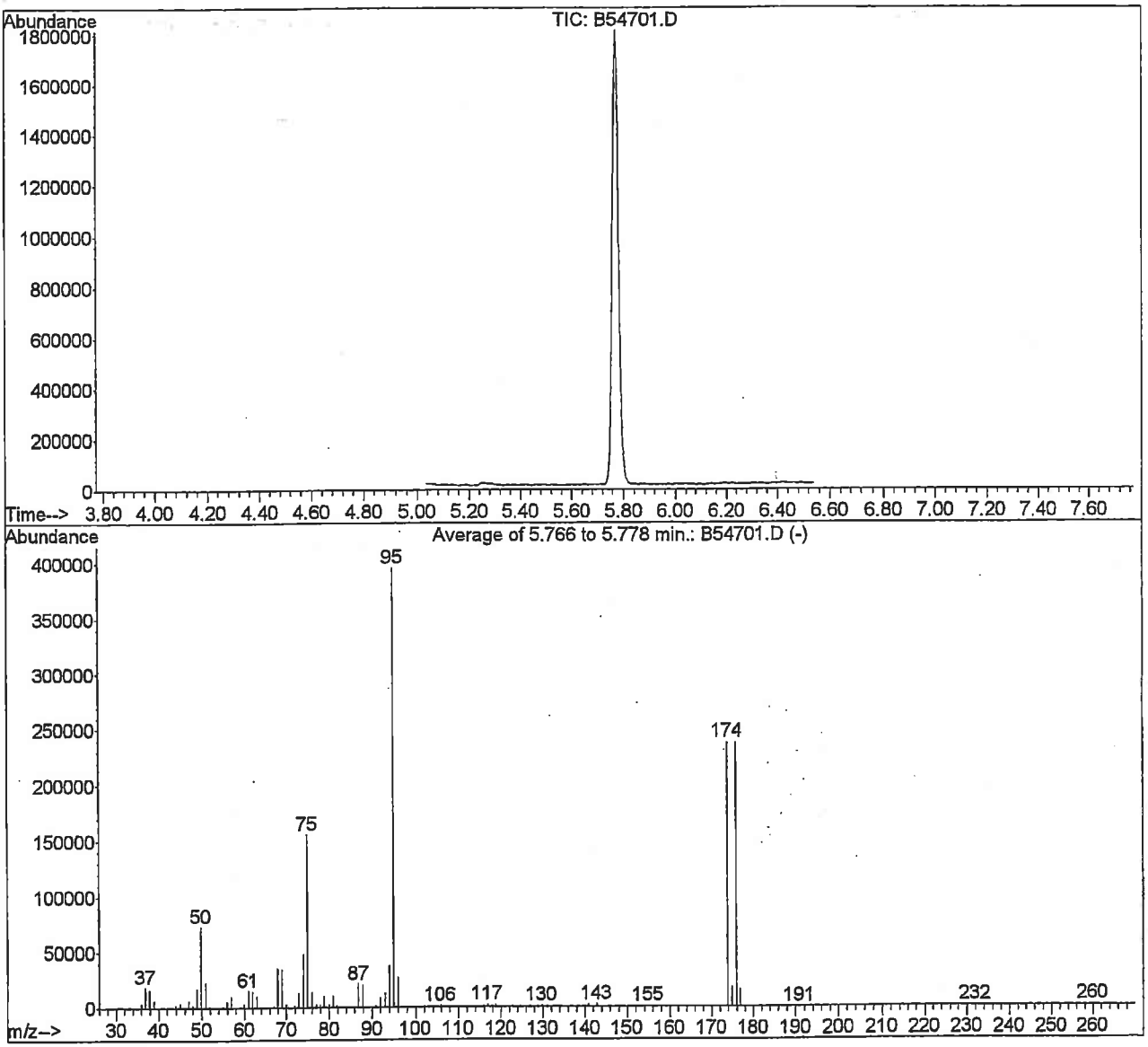
Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:44:45 2008
Response via : Initial Calibration



BFB

Data File : C:\HPCHEM\1\DATA\122308\B54701.D
Acq On : 23 Dec 2008 11:01
Sample : BFB TUNE1
Misc : 50ng 4-BFB (direct injection)
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)

Vial: 100
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00



AutoFind: Scans 122, 123, 124; Background Corrected with Scan 114

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	72904	PASS
75	95	30	60	39.4	155871	PASS
95	95	100	100	100.0	395861	PASS
96	95	5	9	6.8	26799	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	60.1	237803	PASS
175	174	5	9	7.2	17048	PASS
176	174	95	101	99.7	237099	PASS
177	176	5	9	6.7	15783	PASS

m 12/23/08

B54701.D 111408S.M Tue Dec 23 11:12:51 2008

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54702.D
Acq On : 23 Dec 2008 11:25
Sample : VL081223-2CCS
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Dec 23 12:01 2008

Vial: 6
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:44:45 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.19	96	1258617	50.00	ppb		0.05
53) chlorobenzene-d5	12.88	117	909718	50.00	ppb		0.04
74) 1,4-dichlorobenzene-d4	14.66	152	334671	50.00	ppb		0.03
System Monitoring Compounds							
34) dibromofluoromethane	9.36	113	361576	47.28	ppb		0.05
Spiked Amount 50.000	Range 79 - 120		Recovery =	94.56%			
39) 1,2-dichloroethane-d4	9.93	65	273436	44.97	ppb		0.05
Spiked Amount 50.000	Range 62 - 139		Recovery =	89.94%			
54) toluene-d8	11.59	100	735134	48.92	ppb		0.04
Spiked Amount 50.000	Range 83 - 120		Recovery =	97.84%			
73) 4-bromofluorobenzene	13.79	174	273882	49.84	ppb		0.03
Spiked Amount 50.000	Range 74 - 123		Recovery =	99.68%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	4.47	85	520819	52.98	ppb		99
3) chloromethane	4.82	50	667623	49.93	ppb		100
4) vinyl chloride	4.99	62	377417	50.29	ppb		99
5) bromomethane	5.55	96	232939	50.89	ppb		99
6) chloroethane	5.74	64	301792	52.60	ppb		99
7) trichlorofluoromethane	5.97	101	515255	50.66	ppb		100
8) ethanol	6.44	45	94320	1054.63	ppb		99
10) 1,1,2-trichloro-1,2,2-trif	6.70	101	387360	51.16	ppb		99
11) 1,1-dichloroethene	6.68	96	370303	53.18	ppb		98
12) acetone	7.41	58	103911	188.44	ppb		100
13) iodomethane	6.90	142	617087	51.54	ppb		99
14) carbon disulfide	6.79	76	1254269	53.71	ppb		99
15) allyl chloride	7.25	76	225028	55.53	ppb		97
16) acetonitrile	7.99	41	392095	535.66	ppb		96
17) methylene chloride	7.38	84	420840	53.82	ppb		97
18) tert-butanol	7.66	59	187165	239.69	ppb		86
19) methyl-t-butyl-ether	7.66	73	1619399	100.18	ppb		99
20) trans-1,2-dichloroethene	7.57	96	414758	54.19	ppb		98
21) acrylonitrile	8.27	53	609864	258.43	ppb	#	48
22) isopropyl ether	8.06	45	1422054	51.73	ppb		100
23) vinyl acetate	8.50	43	476135	39.70	ppb		100
24) 1,1-dichloroethane	8.30	63	738828	53.29	ppb		97
25) chloroprene	8.27	53	609864	55.24	ppb		97
26) 2-butanone	9.46	43	567139	184.06	ppb		99
27) ethyl tert-butyl ether	8.48	59	1148662	51.75	ppb		100
28) 2,2-dichloropropane	9.06	77	496363	55.36	ppb		100
29) cis-1,2-dichloroethene	8.90	96	451911	53.11	ppb		97
30) propionitrile	9.80	54	447791	528.80	ppb		94
31) methacrylonitrile	9.82	41	526955	51.28	ppb		94
32) bromochloromethane	9.13	128	209147	52.48	ppb		91
33) chloroform	9.16	83	700411	55.04	ppb		98
35) 1,1,1-trichloroethane	9.45	97	530912	52.31	ppb		99
36) carbon tetrachloride	9.39	117	463272	52.05	ppb		98
37) 1,1-dichloropropene	9.56	75	498411	52.82	ppb		98
38) isobutyl alcohol	9.82	43	624822	1003.44	ppb		99
40) tert-amyl methyl ether	9.85	73	881454	49.16	ppb		99
41) benzene	9.82	78	1454949	54.61	ppb		99
42) 1,2-dichloroethane	10.00	62	422449	50.61	ppb		98
43) trichloroethene	10.35	95	396861	52.69	ppb		97
44) 1,2-dichloropropane	10.85	63	409075	53.72	ppb		100

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

mc 12/23/08

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54702.D Vial: 6
Acq On : 23 Dec 2008 11:25 Operator: TWK-sop525r12
Sample : VL081223-2CCS Inst : CSS Instr
Misc : 5mls htd water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 23 12:01 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:44:45 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	methyl methacrylate	10.93	69	214580	54.60	ppb		93
46)	1,4-dioxane	11.03	88	67408	1119.12	ppb		93
47)	dibromomethane	10.76	93	247524	48.31	ppb		95
48)	bromodichloromethane	10.86	83	505141	54.67	ppb		100
49)	2-chloroethyl vinyl ether	11.31	63	165052	46.07	ppb		99
51)	cis-1,3-dichloropropene	11.42	75	586309	52.66	ppb		97
52)	4-methyl-2-pentanone	11.90	43	1173909	183.04	ppb		99
55)	toluene	11.64	91	1368167	50.34	ppb		98
56)	ethyl methacrylate	12.02	69	424883	53.86	ppb	#	95
57)	trans-1,3-dichloropropene	11.95	75	482936	50.22	ppb		97
58)	1,1,2-trichloroethane	12.09	83	259347	48.88	ppb		97
59)	tetrachloroethene	11.99	164	236171	53.07	ppb		96
60)	2-hexanone	12.57	43	818386	176.25	ppb		97
61)	1,3-dichloropropane	12.34	76	473604	49.41	ppb		100
62)	dibromochloromethane	12.27	129	342903	44.77	ppb		98
63)	1,2-dibromoethane	12.51	107	337462	48.26	ppb		99
64)	1-chlorohexane	12.81	91	542230	54.84	ppb		96
65)	chlorobenzene	12.89	112	910646	51.77	ppb		98
66)	ethylbenzene	12.87	91	1462629	49.58	ppb		98
67)	1,1,1,2-tetrachloroethane	12.93	131	309073	50.53	ppb		97
68)	m,p-xylene	12.98	106	1137260	100.31	ppb		99
69)	o-xylene	13.33	106	575829	50.16	ppb		97
70)	styrene	13.36	104	1003288	54.18	ppb		97
71)	bromoform	13.42	173	206060	49.92	ppb		98
72)	isopropylbenzene	13.54	105	1376602	49.50	ppb		100
75)	1,1,2,2-tetrachloroethane	13.89	83	376563	46.08	ppb		96
76)	n-propylbenzene	13.86	91	1787956	49.93	ppb		96
77)	trans-1,4-dichloro-2-buten	14.03	53	90915	54.32	ppb		79
78)	1,2,3-trichloropropane	14.04	110	101245	47.64	ppb		84
79)	bromobenzene	13.91	156	320242	51.72	ppb		96
80)	1,3,5-trimethylbenzene	13.98	105	1177103	50.12	ppb		95
81)	2-chlorotoluene	14.02	126	339754	50.38	ppb		91
82)	4-chlorotoluene	14.13	126	339548	51.51	ppb		85
84)	1,2,4-trimethylbenzene	14.29	105	1108569	47.62	ppb		96
85)	sec-butylbenzene	14.38	105	1552922	48.80	ppb		98
86)	p-isopropyltoluene	14.47	119	1219469	49.61	ppb		97
87)	1,3-dichlorobenzene	14.61	146	503853	44.32	ppb		96
88)	1,4-dichlorobenzene	14.61	146	571340	52.73	ppb		99
89)	n-butylbenzene	14.80	91	1171509	47.79	ppb		99
90)	1,2-dichlorobenzene	15.03	146	509850	48.07	ppb		98
91)	hexachloroethane	15.03	201	174530	54.05	ppb		98
92)	1,2-dibromo-3-chloropropan	15.72	157	53551	48.00	ppb		99
93)	1,2,4-trichlorobenzene	16.37	180	311442	48.40	ppb		97
94)	hexachlorobutadiene	16.28	225	173136	46.08	ppb		100
95)	naphthalene	16.73	128	710144	49.29	ppb		100
96)	1,2,3-trichlorobenzene	16.95	180	266287	49.97	ppb		99

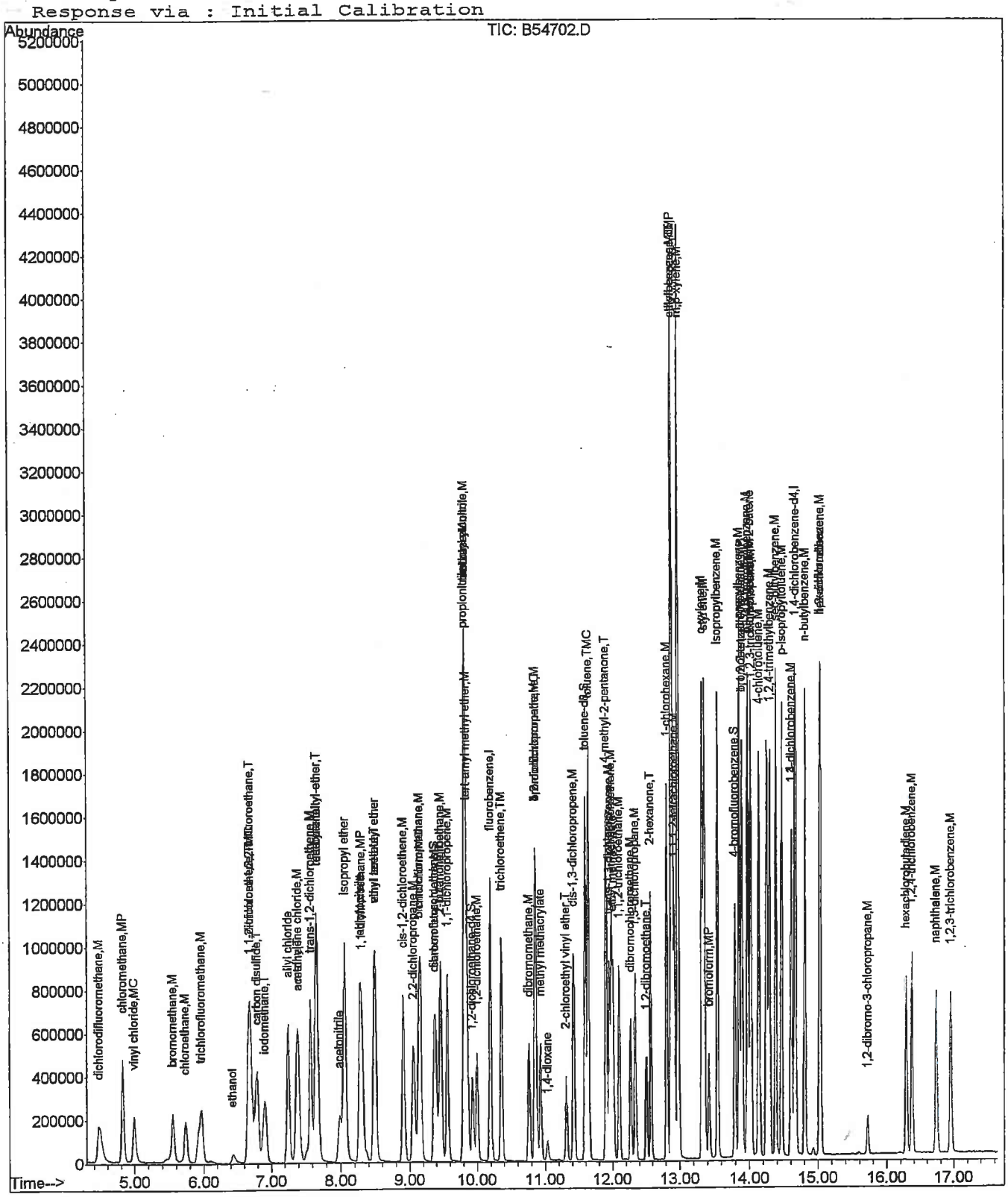
non-target compounds for 081220O

(#) = qualifier out of range (m) = manual integration
B54702.D 111408S.M Tue Dec 23 12:02:10 2008 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\122308\B54702.D Vial: 6
Acq On : 23 Dec 2008 11:25 Operator: TWK-sop525r12
Sample : VL081223-2CCS Inst : CSS Instr
Misc : 5mls htd water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 23 12:01 2008 Quant Results File: 111408S.RES

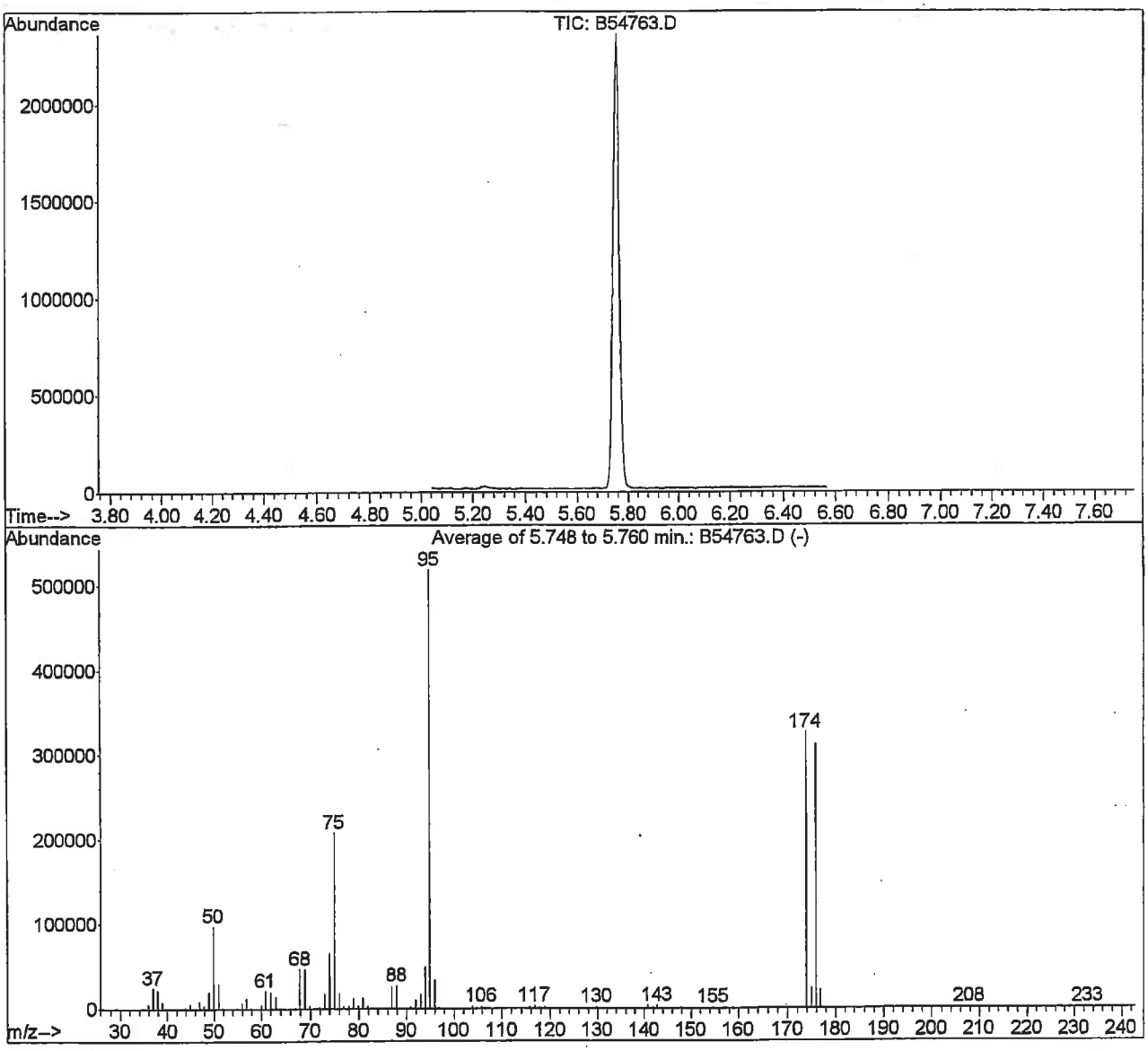
Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:44:45 2008
Response via : Initial Calibration



BFB

Data File : C:\HPCHEM\1\DATA\122908\B54763.D
Acq On : 29 Dec 2008 12:54
Sample : BFB TUNE1
Misc : 50ng 4-BFB (direct injection)
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)

Vial: 100
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00



AutoFind: Scans 118, 119, 120; Background Corrected with Scan 109

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.8	97245	PASS
75	95	30	60	40.1	207851	PASS
95	95	100	100	100.0	517867	PASS
96	95	5	9	6.4	33291	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	62.8	325099	PASS
175	174	5	9	7.0	22811	PASS
176	174	95	101	95.9	311637	PASS
177	176	5	9	6.8	21149	PASS

12/30/08

B54763.D 111408S.M Mon Dec 29 13:17:03 2008

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\122908\B54764.D Vial: 1
Acq On : 29 Dec 2008 13:13 Operator: TWK-sop525r12
Sample : VL081229-2CCV Inst : CSS Instr
Misc : 5mL heated water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 29 13:37 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Wed Dec 24 10:55:54 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.16	96	1208099	50.00	ppb	0.00
53) chlorobenzene-d5	12.85	117	908343	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.63	152	357970	50.00	ppb	0.00
System Monitoring Compounds						
34) dibromofluoromethane	9.32	113	366774	49.97	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 99.94%			
39) 1,2-dichloroethane-d4	9.90	65	283376	48.55	ppb	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 97.10%			
54) toluene-d8	11.56	100	713215	47.53	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 95.06%			
73) 4-bromofluorobenzene	13.77	174	257222	46.88	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 93.76%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	4.44	85	524536	55.59	ppb	100
3) chloromethane	4.78	50	638740	49.77	ppb	99
4) vinyl chloride	4.95	62	359739	49.93	ppb	97
5) bromomethane	5.50	96	207737	46.44	ppb	99
6) chloroethane	5.70	64	289154	52.50	ppb	97
7) trichlorofluoromethane	5.92	101	497529	50.96	ppb	98
8) ethanol	6.40	45	89191	1038.98	ppb	95
9) acrolein	7.03	56	555510	483.70	ppb	97
10) 1,1,2-trichloro-1,2,2-trif	6.65	101	379051	52.15	ppb	98
11) 1,1-dichloroethene	6.63	96	354726	53.08	ppb	97
12) acetone	7.36	58	101653	192.39	ppb	92
13) iodomethane	6.87	142	601082	52.30	ppb	99
14) carbon disulfide	6.75	76	1207410	53.86	ppb	99
15) allyl chloride	7.21	76	186248	47.88	ppb	98
16) acetonitrile	7.94	41	348408	495.88	ppb	98
17) methylene chloride	7.34	84	383513	51.09	ppb	95
18) tert-butanol	7.62	59	188707	251.77	ppb	87
19) methyl-t-butyl-ether	7.62	73	1542415	99.40	ppb	99
20) trans-1,2-dichloroethene	7.53	96	391052	53.23	ppb	97
21) acrylonitrile	8.23	53	496917	219.37	ppb	98
22) isopropyl ether	8.01	45	1339510	50.77	ppb	100
23) vinyl acetate	8.46	43	456338	39.64	ppb	100
24) 1,1-dichloroethane	8.26	63	684388	51.42	ppb	100
25) chloroprene	8.23	53	496917	46.90	ppb	99
26) 2-butanone	9.43	43	569346	192.51	ppb	99
27) ethyl tert-butyl ether	8.45	59	1080492	50.71	ppb	99
28) 2,2-dichloropropane	9.02	77	463239	53.83	ppb	97
29) cis-1,2-dichloroethene	8.87	96	427538	52.34	ppb	97
30) propionitrile	9.76	54	387108	476.25	ppb	99
31) methacrylonitrile	9.79	41	458164	46.45	ppb	92
32) bromochloromethane	9.10	128	203600	53.23	ppb	97
33) chloroform	9.12	83	651607	53.34	ppb	99
35) 1,1,1-trichloroethane	9.41	97	514428	52.81	ppb	99
36) carbon tetrachloride	9.35	117	440859	51.60	ppb	98
37) 1,1-dichloropropene	9.52	75	472612	52.18	ppb	98
38) isobutyl alcohol	9.79	43	564814	945.00	ppb	97
40) tert-amyl methyl ether	9.82	73	837182	48.64	ppb	98
41) benzene	9.78	78	1363268	53.30	ppb	99
42) 1,2-dichloroethane	9.96	62	386341	48.22	ppb	98
43) trichloroethene	10.32	95	379497	52.50	ppb	98

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

m 12/30/08

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\122908\B54764.D Vial: 1
Acq On : 29 Dec 2008 13:13 Operator: TWK-sop525r12
Sample : VL081229-2CCV Inst : CSS Instr
Misc : 5mL heated water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 29 13:37 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Wed Dec 24 10:55:54 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

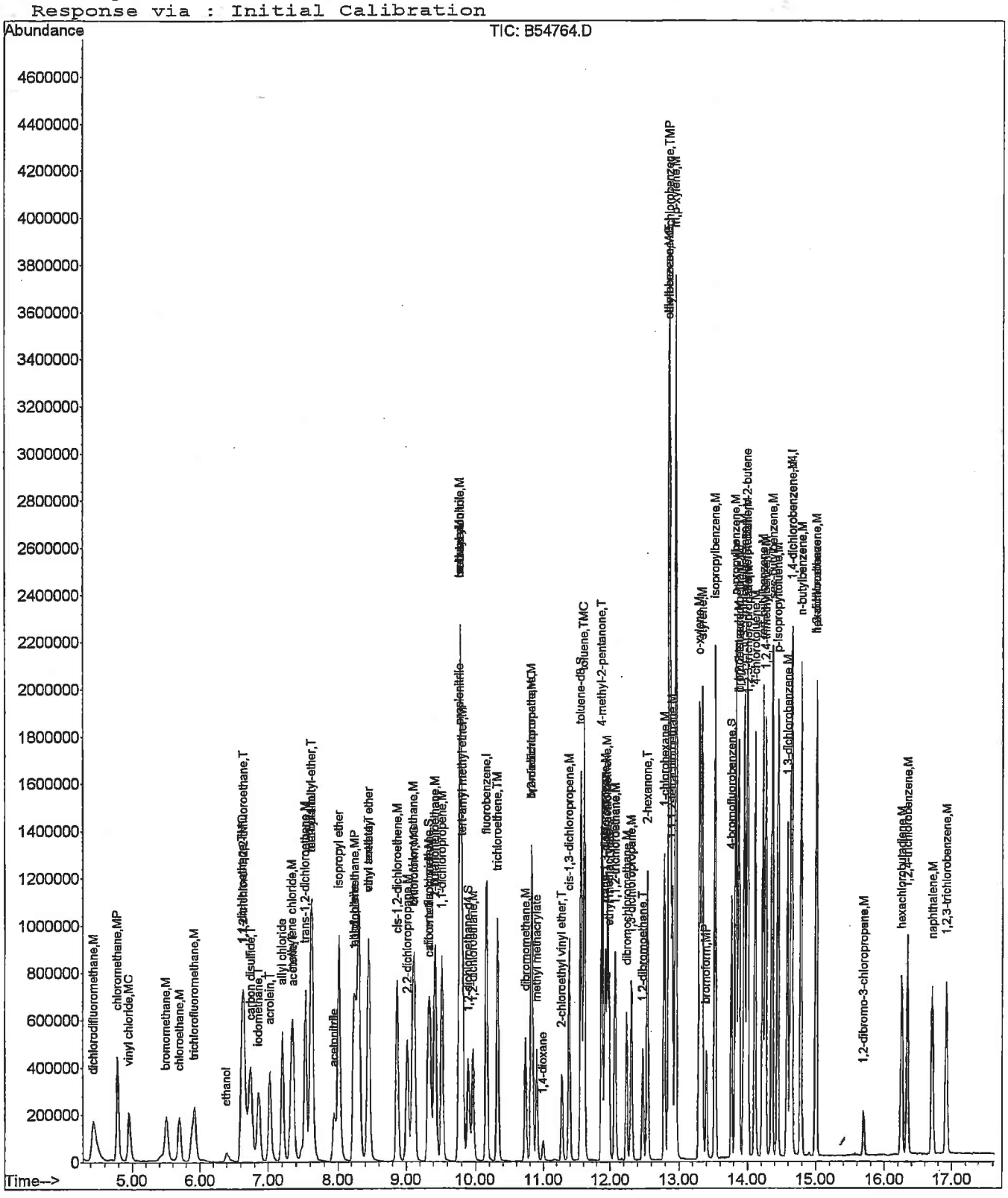
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	1,2-dichloropropane	10.81	63	377206	51.60	ppb		94
45)	methyl methacrylate	10.90	69	182920	48.49	ppb		95
46)	1,4-dioxane	11.00	88	58835	1017.63	ppb		93
47)	dibromomethane	10.73	93	242053	49.22	ppb		97
48)	bromodichloromethane	10.83	83	462588	52.16	ppb		98
49)	2-chloroethyl vinyl ether	11.27	63	164538	47.84	ppb		98
51)	cis-1,3-dichloropropene	11.39	75	557925	52.21	ppb		99
52)	4-methyl-2-pentanone	11.88	43	1140135	185.20	ppb		98
55)	toluene	11.61	91	1281653	47.23	ppb		99
56)	ethyl methacrylate	11.98	69	355107	45.08	ppb		99
57)	trans-1,3-dichloropropene	11.92	75	454359	47.32	ppb		98
58)	1,1,2-trichloroethane	12.07	83	245249	46.29	ppb		99
59)	tetrachloroethene	11.95	164	228180	51.36	ppb		97
60)	2-hexanone	12.55	43	799117	172.36	ppb		100
61)	1,3-dichloropropane	12.31	76	451643	47.19	ppb		95
62)	dibromochloromethane	12.24	129	320249	41.87	ppb		98
63)	1,2-dibromoethane	12.48	107	314489	45.04	ppb		100
64)	1-chlorohexane	12.79	91	454352	46.02	ppb		95
65)	chlorobenzene	12.87	112	835837	47.59	ppb		96
66)	ethylbenzene	12.85	91	1363439	46.29	ppb		99
67)	1,1,1,2-tetrachloroethane	12.90	131	282545	46.26	ppb		99
68)	m,p-xylene	12.96	106	1058946	93.55	ppb		95
69)	o-xylene	13.30	106	536617	46.81	ppb		93
70)	styrene	13.33	104	935571	50.60	ppb		99
71)	bromoform	13.39	173	193716	47.00	ppb		100
72)	isopropylbenzene	13.52	105	1320091	47.54	ppb		98
75)	1,1,2,2-tetrachloroethane	13.87	83	363632	41.60	ppb		98
76)	n-propylbenzene	13.83	91	1688526	44.08	ppb		98
77)	trans-1,4-dichloro-2-buten	14.00	53	89584	50.04	ppb		93
78)	1,2,3-trichloropropane	14.01	110	98461	43.31	ppb		74
79)	bromobenzene	13.88	156	289227	43.67	ppb		91
80)	1,3,5-trimethylbenzene	13.95	105	1093882	43.54	ppb		97
81)	2-chlorotoluene	13.99	126	327549	45.41	ppb		95
82)	4-chlorotoluene	14.11	126	327389	46.43	ppb		94
83)	tert-butylbenzene	14.22	134	197576	45.35	ppb		95
84)	1,2,4-trimethylbenzene	14.26	105	1040999	41.81	ppb		97
85)	sec-butylbenzene	14.36	105	1513062	44.45	ppb		99
86)	p-isopropyltoluene	14.44	119	1160742	44.15	ppb		99
87)	1,3-dichlorobenzene	14.58	146	532131	43.77	ppb		98
88)	1,4-dichlorobenzene	14.64	146	525856	45.38	ppb		98
89)	n-butylbenzene	14.78	91	1142671	43.58	ppb		99
90)	1,2-dichlorobenzene	15.01	146	484658	42.72	ppb		97
91)	hexachloroethane	15.00	201	144619	41.88	ppb		99
92)	1,2-dibromo-3-chloropropan	15.69	157	54039	45.28	ppb	#	89
93)	1,2,4-trichlorobenzene	16.34	180	303986	44.16	ppb		98
94)	hexachlorobutadiene	16.26	225	167455	41.67	ppb		97
95)	naphthalene	16.71	128	693166	44.98	ppb		100
96)	1,2,3-trichlorobenzene	16.92	180	257947	45.25	ppb		96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\122908\B54764.D Vial: 1
Acq On : 29 Dec 2008 13:13 Operator: TWK-sop525r12
Sample : VL081229-2CCV Inst : CSS Instr
Misc : 5mL heated water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 29 13:37 2008 Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Wed Dec 24 10:55:54 2008
Response via : Initial Calibration



Sample Raw Data

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54705.D Vial: 9
Acq On : 23 Dec 2008 12:31 Operator: TWK-sop525r12
Sample : VL081223-2MB Inst : CSS Instr
Misc : 5mls htd water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 23 13:00 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.19	96	1282138	50.00	ppb	0.00
53) chlorobenzene-d5	12.88	117	868009	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.65	152	308821	50.00	ppb	0.00
System Monitoring Compounds						
34) dibromofluoromethane	9.35	113	366441	47.04	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 94.08%			
39) 1,2-dichloroethane-d4	9.92	65	279306	45.09	ppb	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 90.18%			
54) toluene-d8	11.59	100	727125	50.71	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 101.42%			
73) 4-bromofluorobenzene	13.79	174	268150	51.14	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.28%			
Target Compounds						Qvalue
12) acetone	7.40	58	1640	Below Cal		93

12/23/08

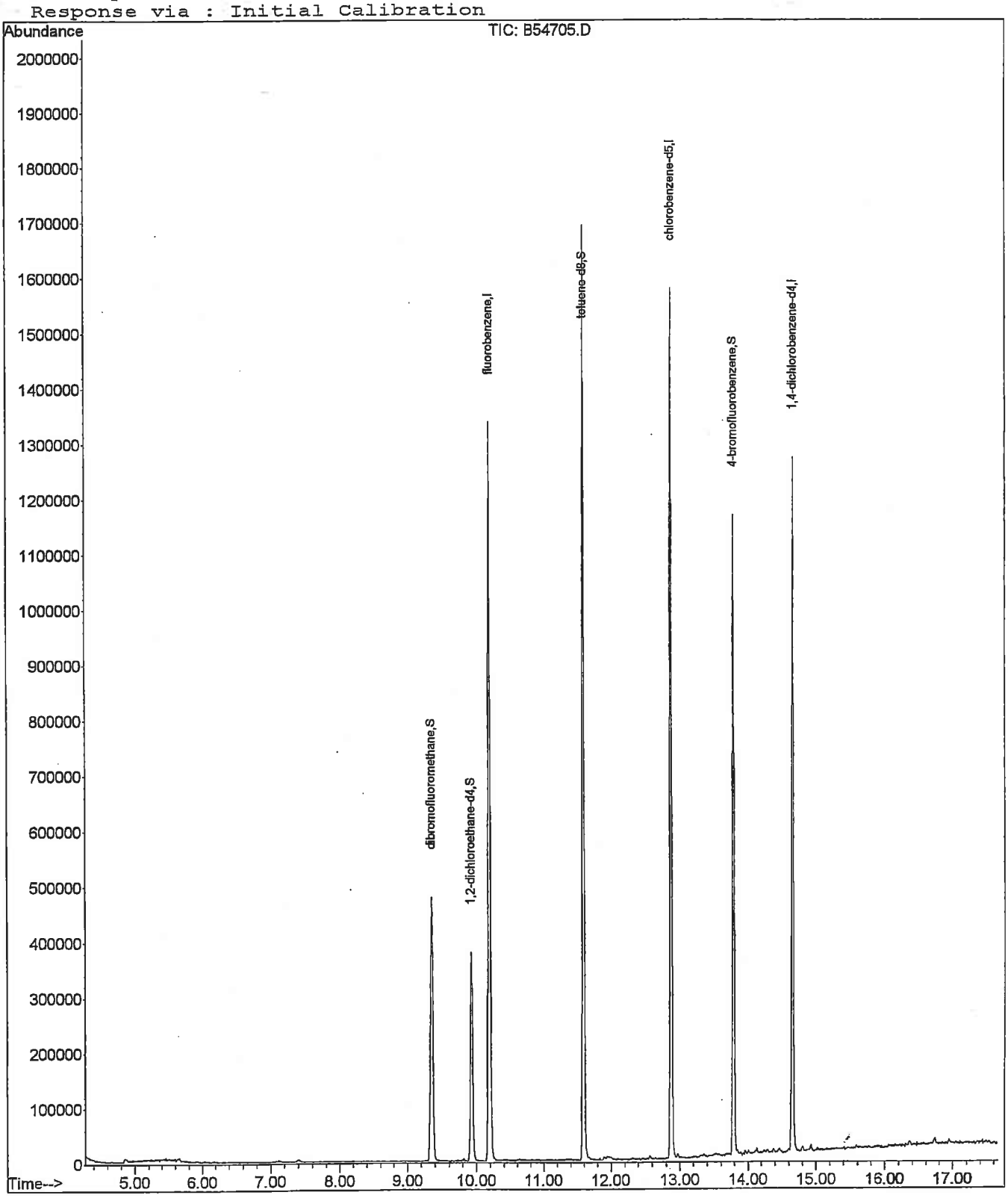
(#) = qualifier out of range (m) = manual integration
B54705.D 111408S.M Tue Dec 23 13:00:34 2008 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\122308\B54705.D
Acq On : 23 Dec 2008 12:31
Sample : VL081223-2MB
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Dec 23 13:00 2008

Vial: 9
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54707.D Vial: 11
Acq On : 23 Dec 2008 13:22 Operator: TWK-sop525r12
Sample : 0812200-2 400X Inst : CSS Instr
Misc : 5mls htd water - HS>pea Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 23 13:55 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.19	96	1202952	50.00	ppb		0.00
53) chlorobenzene-d5	12.88	117	826015	50.00	ppb		0.00
74) 1,4-dichlorobenzene-d4	14.66	152	306697	50.00	ppb		0.00
System Monitoring Compounds							
34) dibromofluoromethane	9.36	113	351871	48.14	ppb		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 96.28%				
39) 1,2-dichloroethane-d4	9.93	65	263532	45.35	ppb		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 90.70%				
54) toluene-d8	11.60	100	699442	51.26	ppb		0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 102.52%				
73) 4-bromofluorobenzene	13.79	174	260609	52.23	ppb		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 104.46%				
Target Compounds							Qvalue
12) acetone	7.40	58	6933	Below Cal			91
37) 1,1-dichloropropene	9.81	75	18362	2.04	ppb	#	1
41) benzene	9.81	78	1299637	51.03	ppb		95
52) 4-methyl-2-pentanone	11.86	43	63996	10.44	ppb	#	58
55) toluene	11.63	91	2962623	120.05	ppb		98
66) ethylbenzene	12.88	91	170258	6.36	ppb		98
68) m,p-xylene	12.97	106	916782	89.06	ppb		96
69) o-xylene	13.32	106	117632	11.28	ppb		94
80) 1,3,5-trimethylbenzene	13.97	105	292833	13.60	ppb		97
84) 1,2,4-trimethylbenzene	14.29	105	263604	12.36	ppb		94

12/23/08

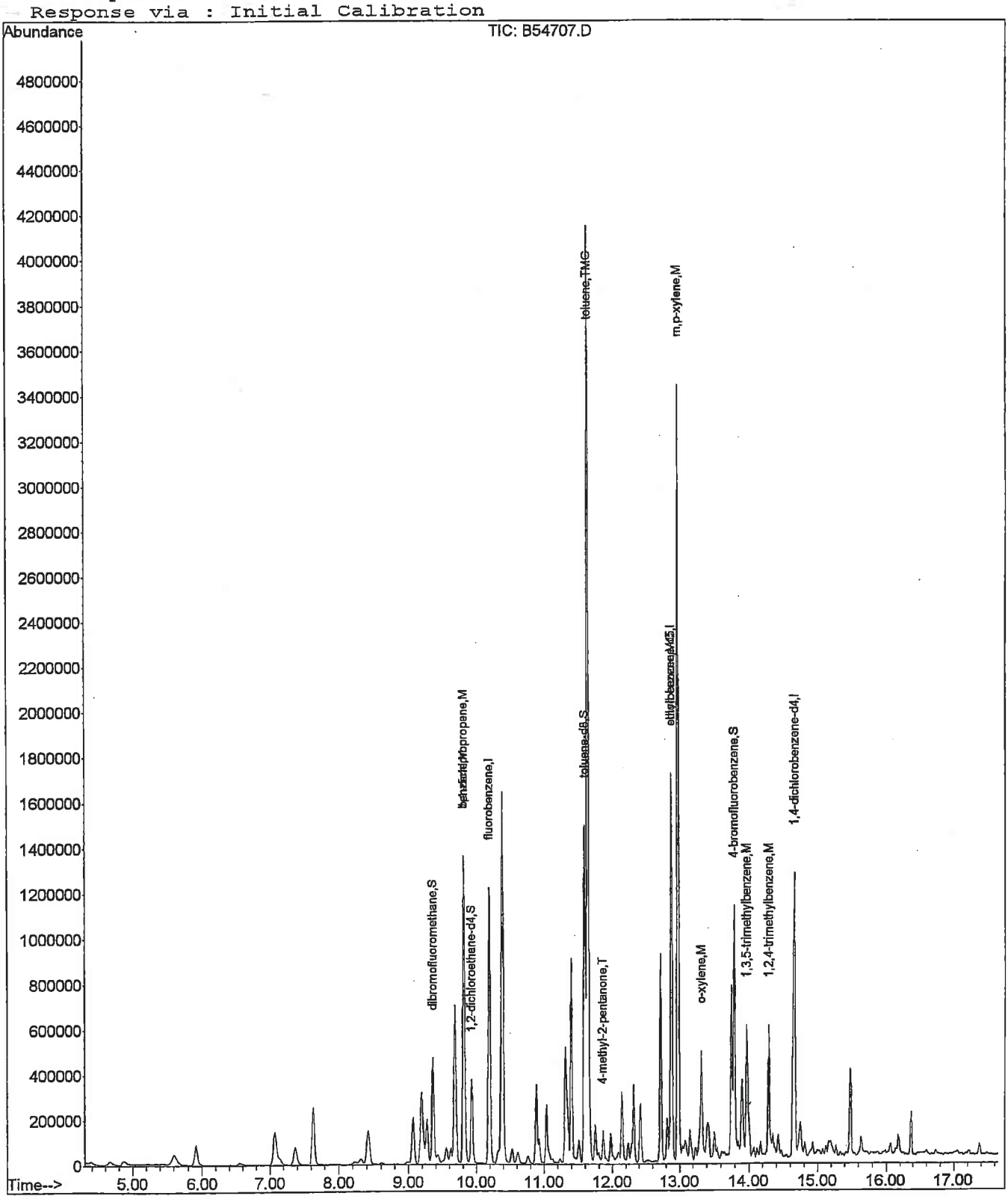
(#) = qualifier out of range (m) = manual integration
B54707.D 111408S.M Tue Dec 23 13:55:25 2008 Page 1

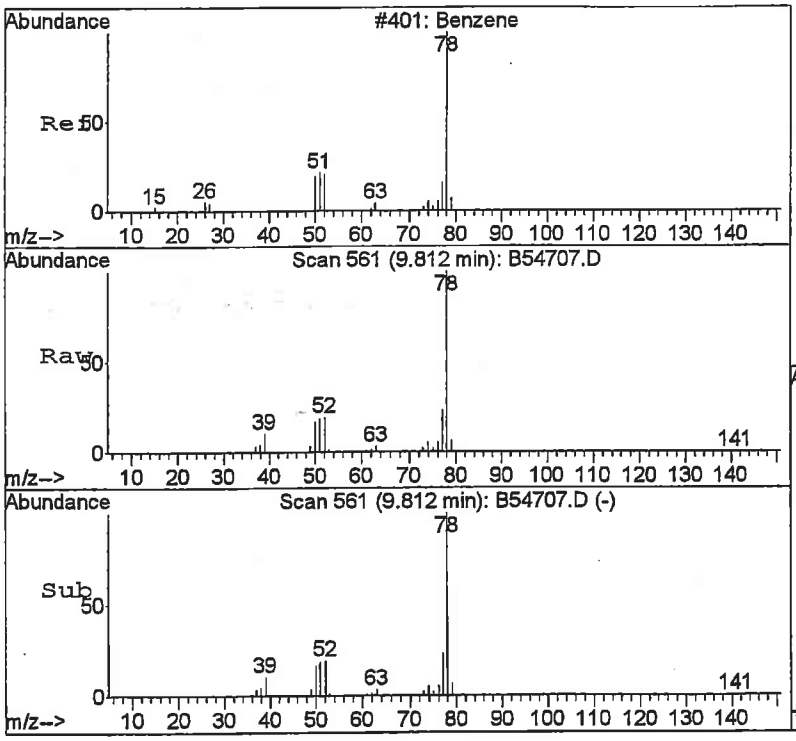
Quantitation Report

Data File : C:\HPCHEM\1\DATA\122308\B54707.D
Acq On : 23 Dec 2008 13:22
Sample : 0812200-2 400X
Misc : 5mls htd water - HS>pea
MS Integration Params: rteint.p
Quant Time: Dec 23 13:55 2008

Vial: 11
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration

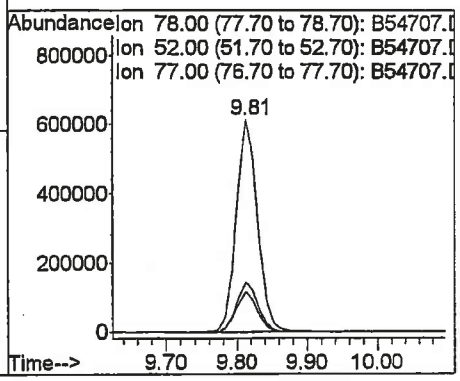


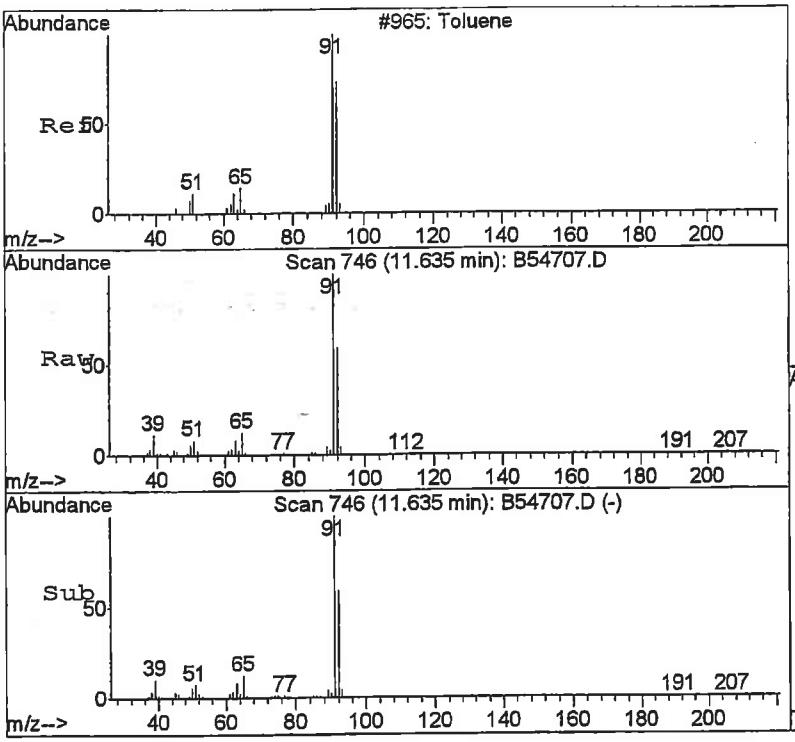


#41
benzene
Concen: 51.03 ppb
RT: 9.81 min Scan# 561
Delta R.T. -0.01 min
Lab File: B54707.D
Acq: 23 Dec 2008 13:22

Tgt Ion: 78 Resp: 1299637

Ion	Ratio	Lower	Upper
78	100		
52	18.7	16.4	30.4
77	23.3	16.4	30.4

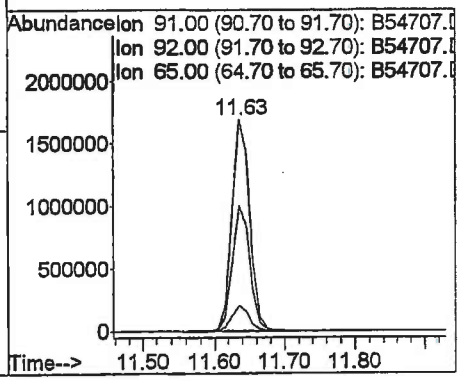


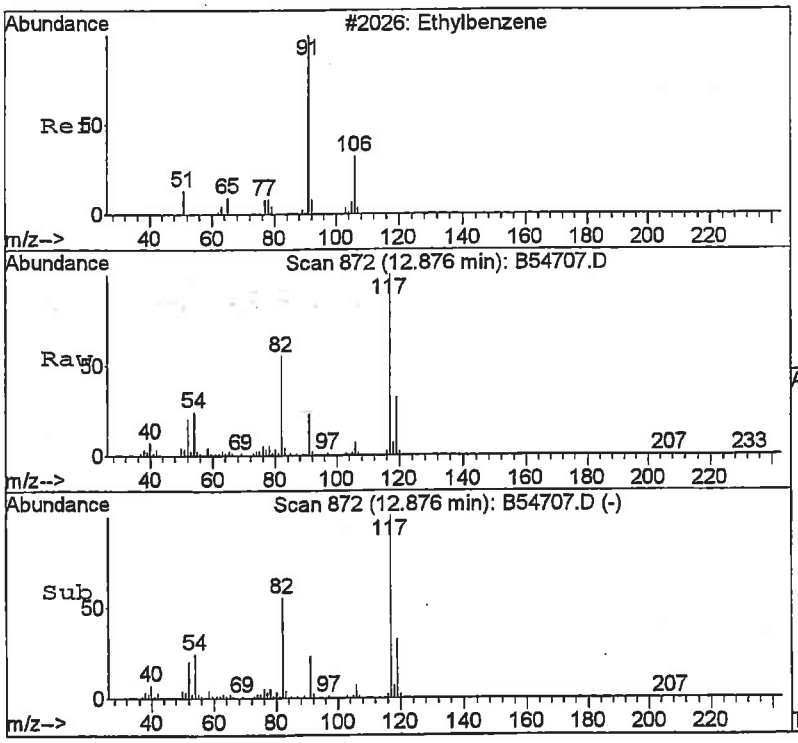


#55
toluene
Concen: 120.05 ppb
RT: 11.63 min Scan# 746
Delta R.T. -0.01 min
Lab File: B54707.D
Acq: 23 Dec 2008 13:22

Tgt Ion: 91 Resp: 2962623

Ion	Ratio	Lower	Upper
91	100		
92	59.2	42.3	78.5
65	12.0	8.1	15.1

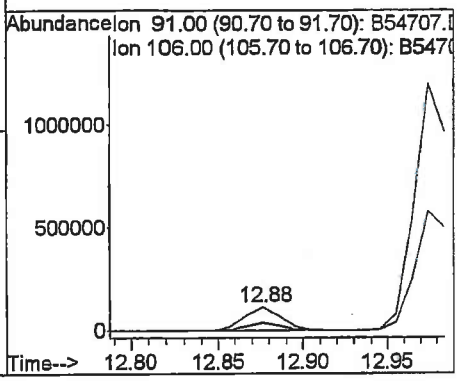


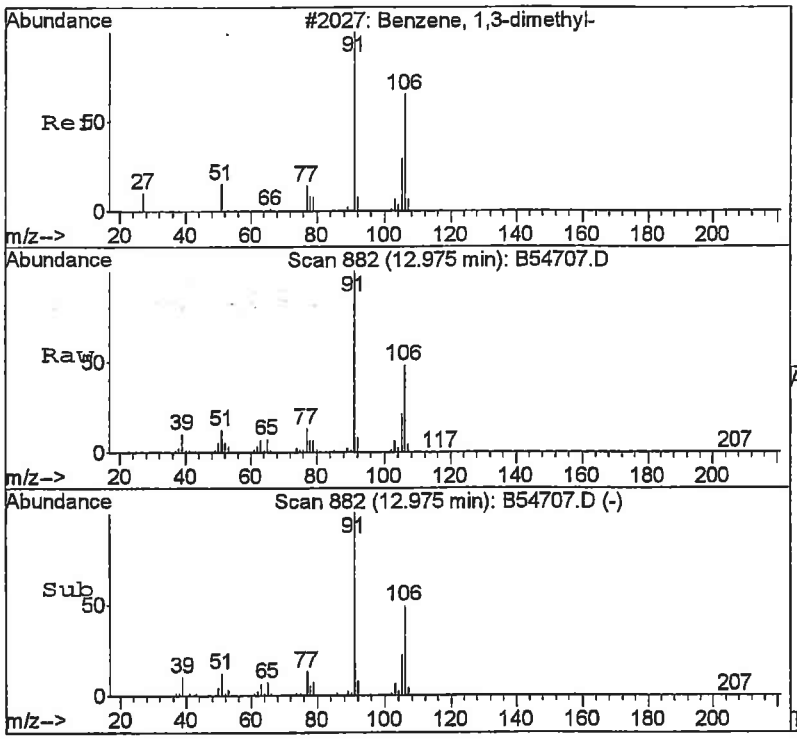


#66
ethylbenzene
Concen: 6.36 ppb
RT: 12.88 min Scan# 872
Delta R.T. 0.00 min
Lab File: B54707.D
Acq: 23 Dec 2008 13:22

Tgt Ion: 91 Resp: 170258

Ion	Ratio	Lower	Upper
91	100		
106	31.2	21.0	39.0

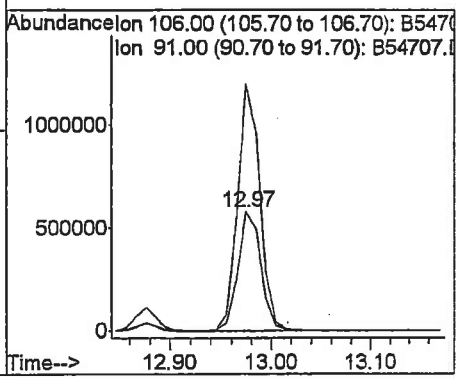


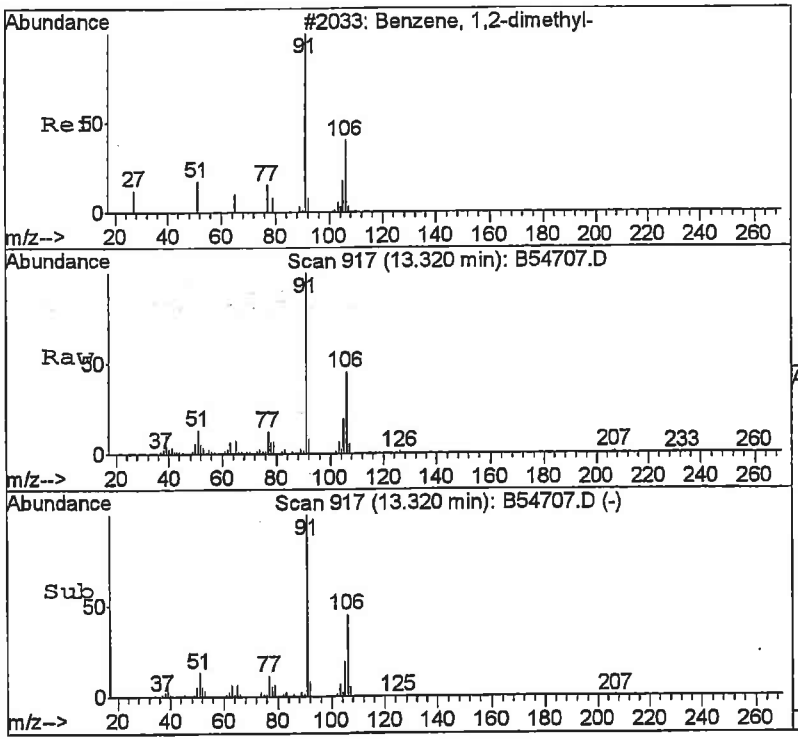


#68
m,p-xylene
Concen: 89.06 ppb
RT: 12.97 min Scan# 882
Delta R.T. -0.01 min
Lab File: B54707.D
Acq: 23 Dec 2008 13:22

Tgt Ion:106 Resp: 916782

Ion	Ratio	Lower	Upper
106	100		
91	207.3	140.8	261.6

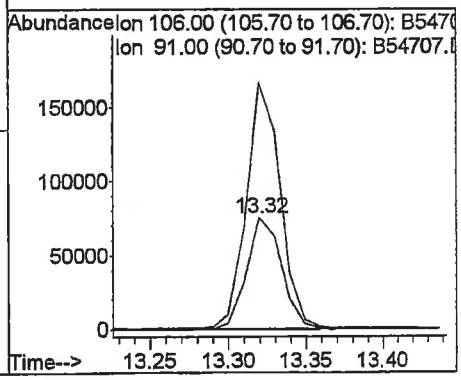




#69
o-xylene
Concen: 11.28 ppb
RT: 13.32 min Scan# 917
Delta R.T. -0.01 min
Lab File: B54707.D
Acq: 23 Dec 2008 13:22

Tgt Ion:106 Resp: 117632

Ion	Ratio	Lower	Upper
106	100		
91	219.5	147.3	273.5



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54708.D Vial: 12
Acq On : 23 Dec 2008 13:46 Operator: TWK-sop525r12
Sample : 0812200-3 500X Inst : CSS Instr
Misc : 5mls htd water - HS>pea Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 23 14:03 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.19	96	1200083	50.00	ppb	0.00
53) chlorobenzene-d5	12.88	117	829666	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.66	152	312486	50.00	ppb	0.00
System Monitoring Compounds						
34) dibromofluoromethane	9.36	113	341897	46.89	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 93.78%			
39) 1,2-dichloroethane-d4	9.93	65	272367	46.98	ppb	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 93.96%			
54) toluene-d8	11.59	100	692979	50.56	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 101.12%			
73) 4-bromofluorobenzene	13.79	174	264496	52.77	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 105.54%			
Target Compounds						Qvalue
12) acetone	7.37	58	3514	Below Cal	#	1
26) 2-butanone	9.50	43	19632	6.68	ppb #	63
37) 1,1-dichloropropene	9.81	75	14991	1.67	ppb #	1
41) benzene	9.81	78	1002958	39.48	ppb	95
52) 4-methyl-2-pentanone	11.86	43	73675	12.05	ppb #	57
55) toluene	11.64	91	3080596	124.28	ppb	98
58) 1,1,2-trichloroethane	12.14	83	165094	34.12	ppb #	6
64) 1-chlorohexane	12.87	91	221424	24.56	ppb #	32
66) ethylbenzene	12.87	91	221424	8.23	ppb	96
68) m,p-xylene	12.98	106	1152996	111.52	ppb	98
69) o-xylene	13.33	106	166465	15.90	ppb	94
76) n-propylbenzene	13.85	91	56775	1.70	ppb	90
80) 1,3,5-trimethylbenzene	13.98	105	363681	16.58	ppb	99
84) 1,2,4-trimethylbenzene	14.28	105	390467	17.97	ppb	96

m 12/24/08

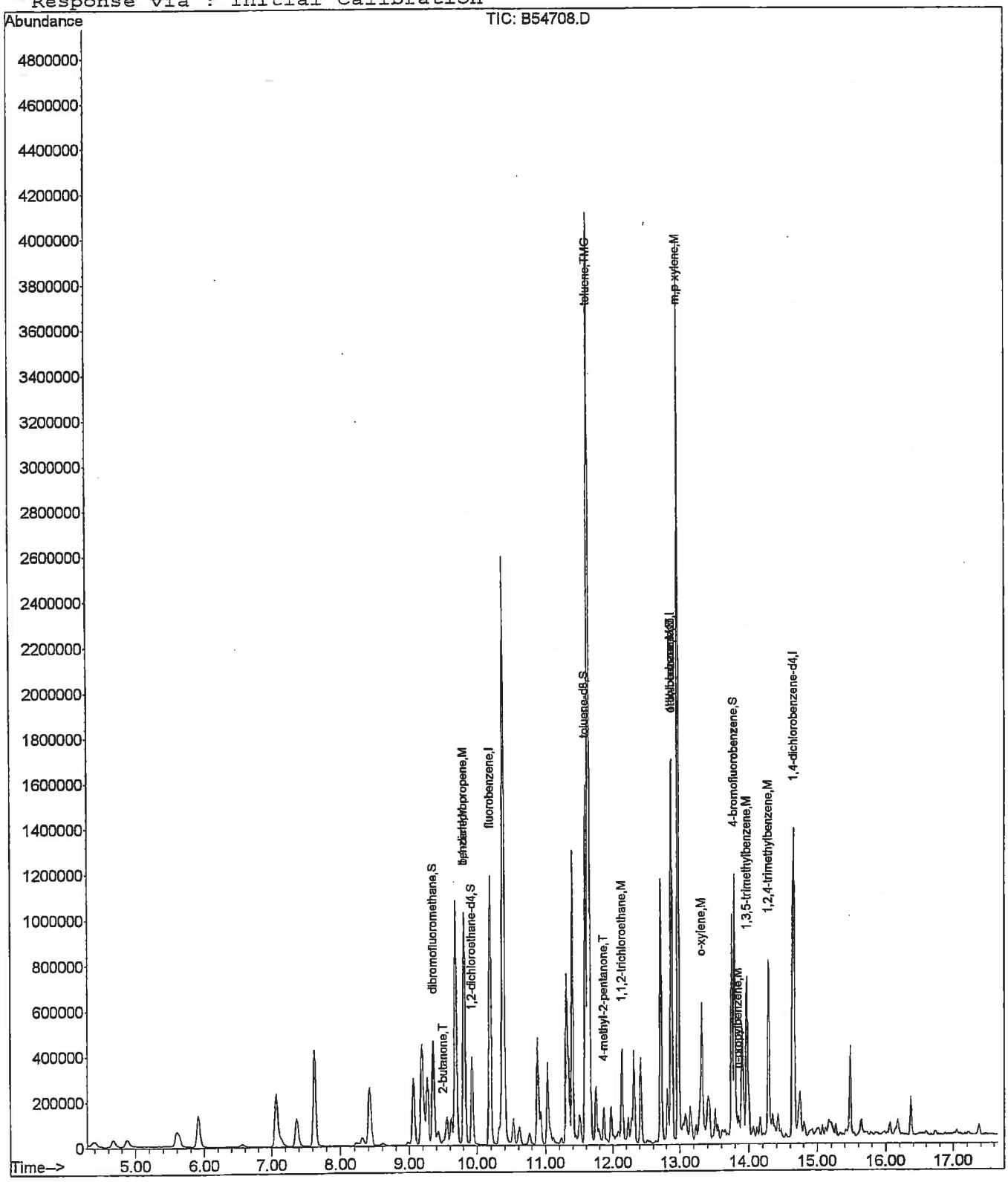
(#) = qualifier out of range (m) = manual integration

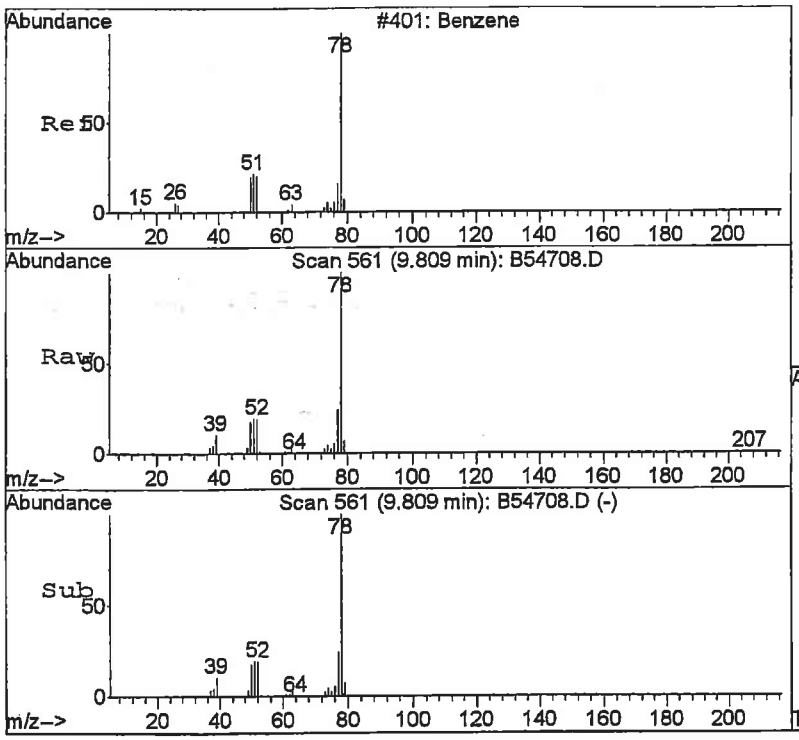
Quantitation Report

Data File : C:\HPCHEM\1\DATA\122308\B54708.D
Acq On : 23 Dec 2008 13:46
Sample : 0812200-3 500X
Misc : 5mls htd water - HS>pea
MS Integration Params: rteint.p
Quant Time: Dec 23 14:03 2008

Vial: 12
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration

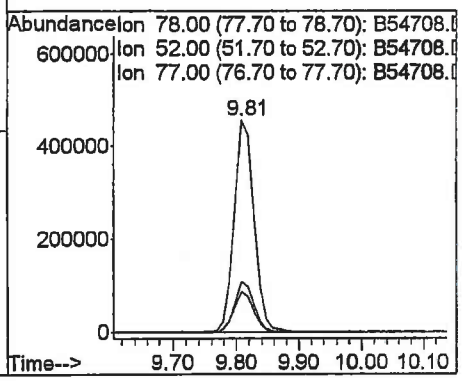


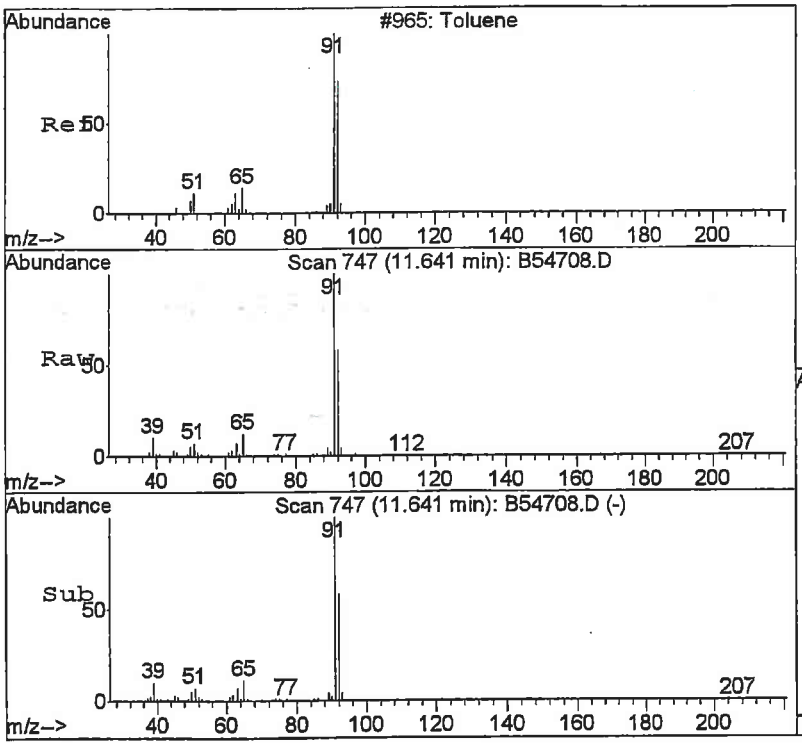


#41
benzene
Concen: 39.48 ppb
RT: 9.81 min Scan# 561
Delta R.T. -0.01 min
Lab File: B54708.D
Acq: 23 Dec 2008 13:46

Tgt Ion: 78 Resp: 1002958

Ion	Ratio	Lower	Upper
78	100		
52	18.9	16.4	30.4
77	23.7	16.4	30.4

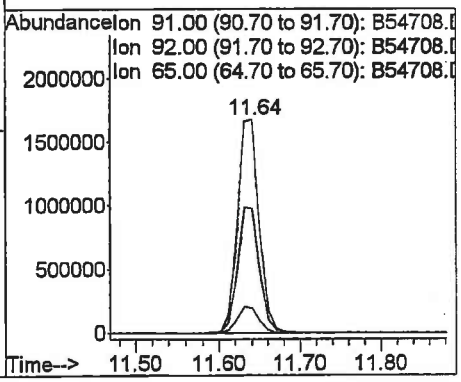


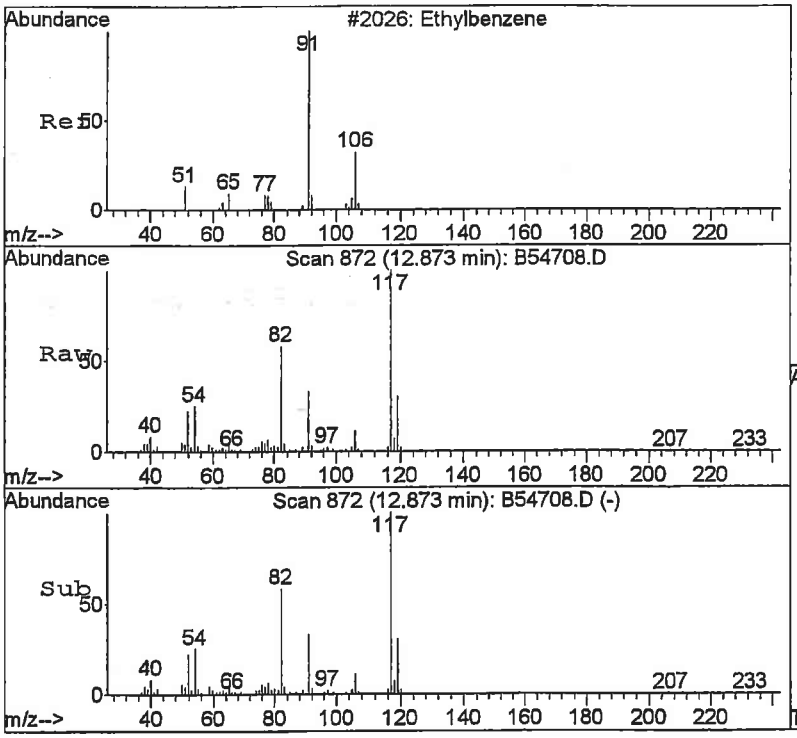


#55
toluene
Concen: 124.28 ppb
RT: 11.64 min Scan# 747
Delta R.T. -0.00 min
Lab File: B54708.D
Acq: 23 Dec 2008 13:46

Tgt Ion: 91 Resp: 3080596

Ion	Ratio	Lower	Upper
91	100		
92	58.4	42.3	78.5
65	11.5	8.1	15.1

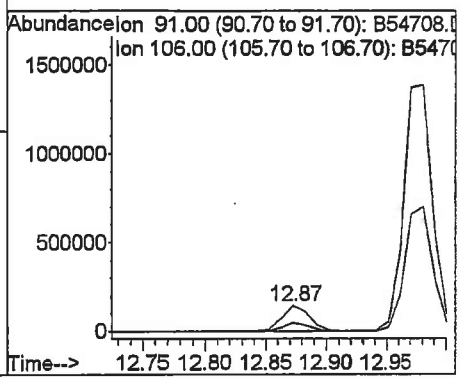


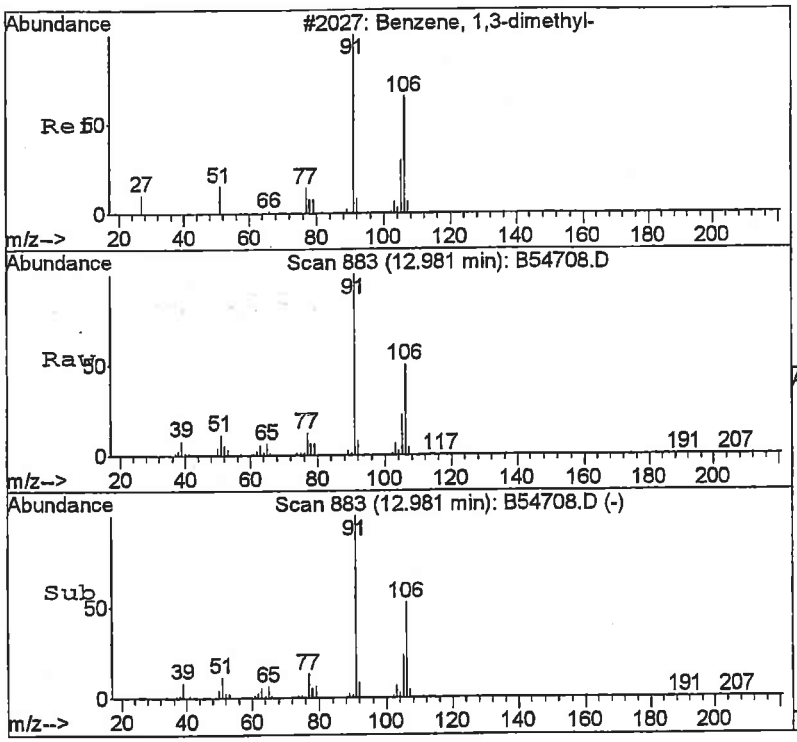


#66
ethylbenzene
Concen: 8.23 ppb
RT: 12.87 min Scan# 872
Delta R.T. -0.00 min
Lab File: B54708.D
Acq: 23 Dec 2008 13:46

Tgt Ion: 91 Resp: 221424

Ion	Ratio	Lower	Upper
91	100		
106	32.2	21.0	39.0

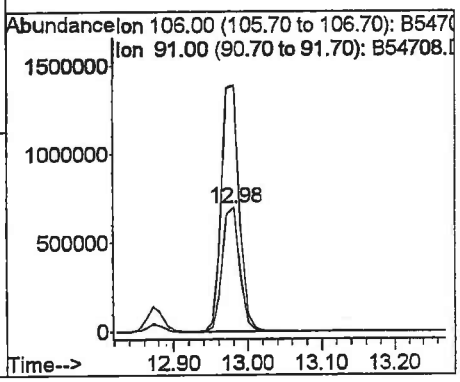


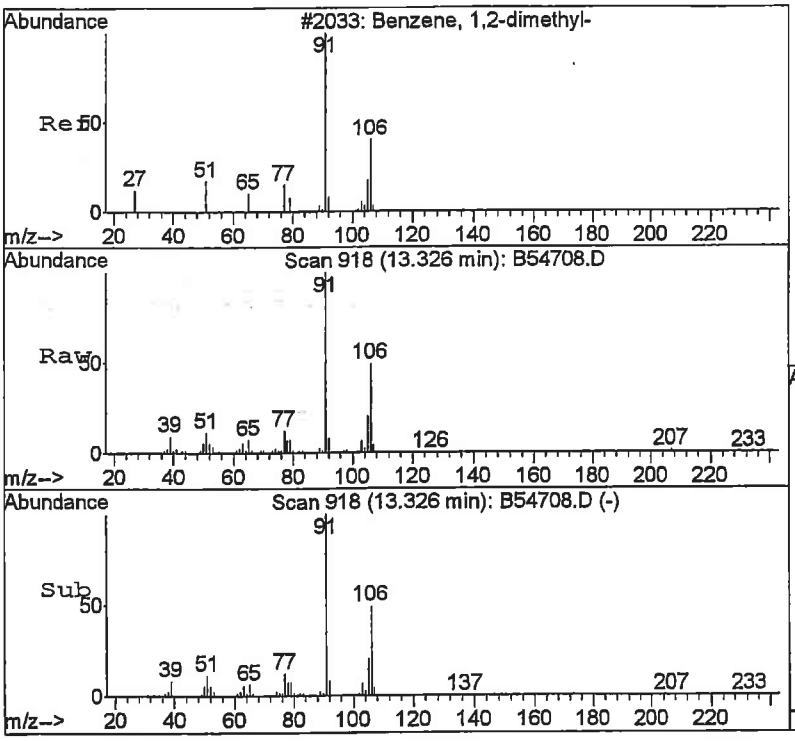


#68
m,p-xylene
Concen: 111.52 ppb
RT: 12.98 min Scan# 883
Delta R.T. -0.00 min
Lab File: B54708.D
Acq: 23 Dec 2008 13:46

Tgt Ion:106 Resp: 1152996

Ion	Ratio	Lower	Upper
106	100		
91	198.2	140.8	261.6

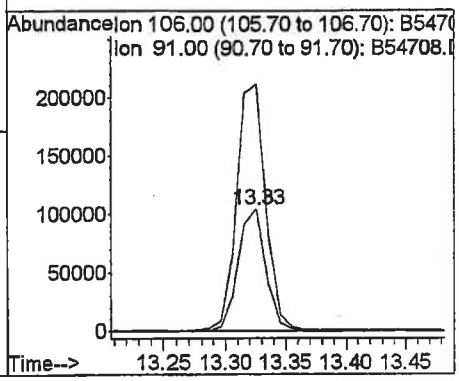




#69
o-xylene
Concen: 15.90 ppb
RT: 13.33 min Scan# 918
Delta R.T. -0.00 min
Lab File: B54708.D
Acq: 23 Dec 2008 13:46

Tgt Ion:106 Resp: 166465

Ion	Ratio	Lower	Upper
106	100		
91	201.8	147.3	273.5



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54714.D Vial: 17
Acq On : 23 Dec 2008 16:08 Operator: TWK-sop525r12
Sample : 0812200-7 500X Inst : CSS Instr
Misc : 5mls htd water - HS>pea Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 23 16:26 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.19	96	1249694	50.00	ppb		0.00
53) chlorobenzene-d5	12.88	117	847654	50.00	ppb		0.00
74) 1,4-dichlorobenzene-d4	14.65	152	323088	50.00	ppb		0.00
System Monitoring Compounds							
34) dibromofluoromethane	9.35	113	371826	48.97	ppb		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 97.94%				
39) 1,2-dichloroethane-d4	9.92	65	287220	47.57	ppb		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 95.14%				
54) toluene-d8	11.59	100	723438	51.66	ppb		0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 103.32%				
73) 4-bromofluorobenzene	13.79	174	280786	54.83	ppb		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 109.66%				
Target Compounds							Qvalue
12) acetone	7.38	58	3766	Below Cal			58
41) benzene	9.81	78	911974	34.47	ppb		94
55) toluene	11.63	91	1936019	76.45	ppb		99
58) 1,1,2-trichloroethane	12.14	83	42142	8.52	ppb	#	5
66) ethylbenzene	12.87	91	98024	3.57	ppb		96
68) m,p-xylene	12.98	106	496303	46.98	ppb		97
69) o-xylene	13.32	106	75254	7.03	ppb		99
77) trans-1,4-dichloro-2-buten	13.96	53	6628	4.10	ppb	#	1
80) 1,3,5-trimethylbenzene	13.97	105	134882	5.95	ppb		98
84) 1,2,4-trimethylbenzene	14.28	105	165078	7.35	ppb		98

m 12/24/08

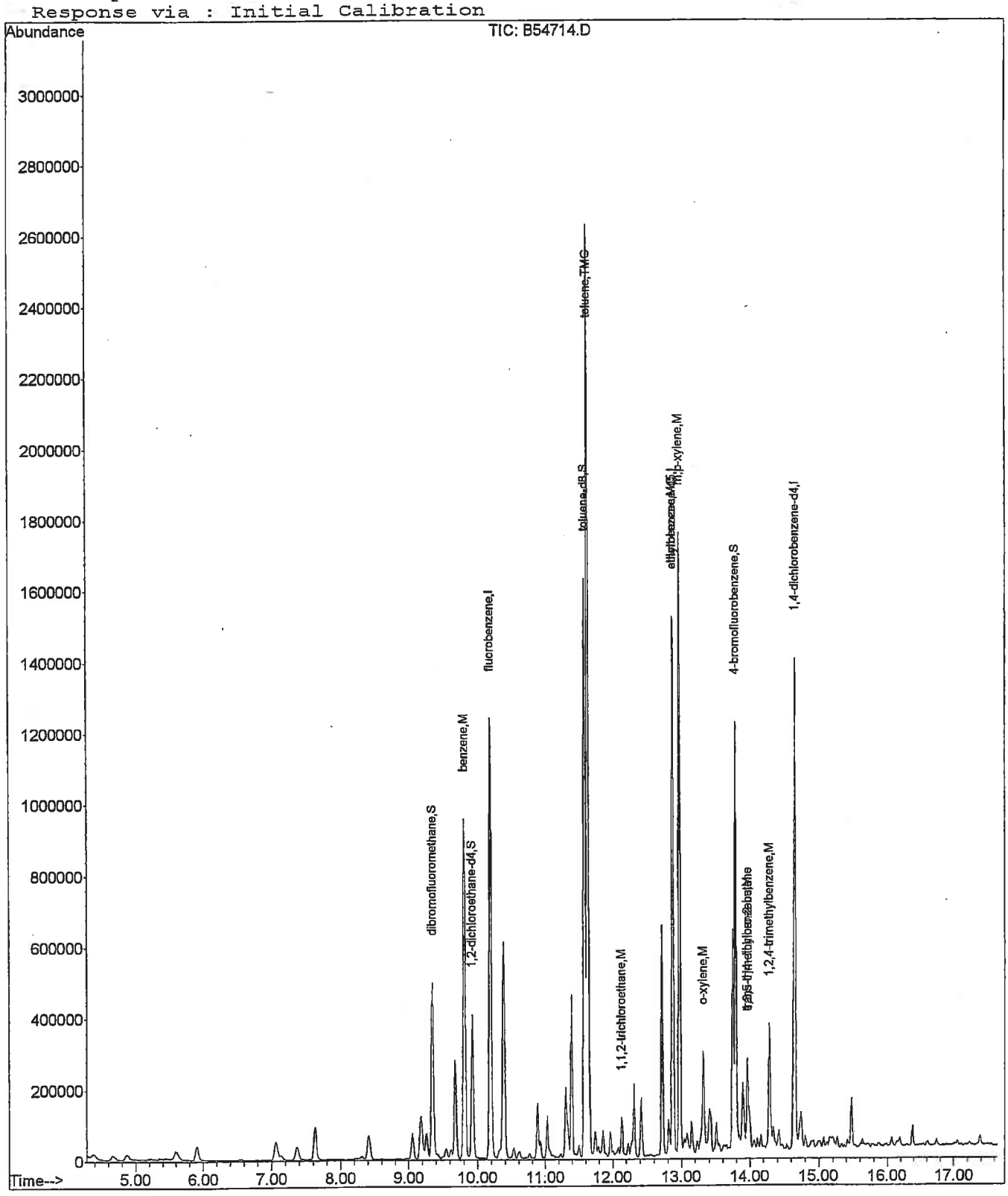
(#) = qualifier out of range (m) = manual integration
B54714.D 111408S.M Tue Dec 23 16:26:15 2008 Page 1

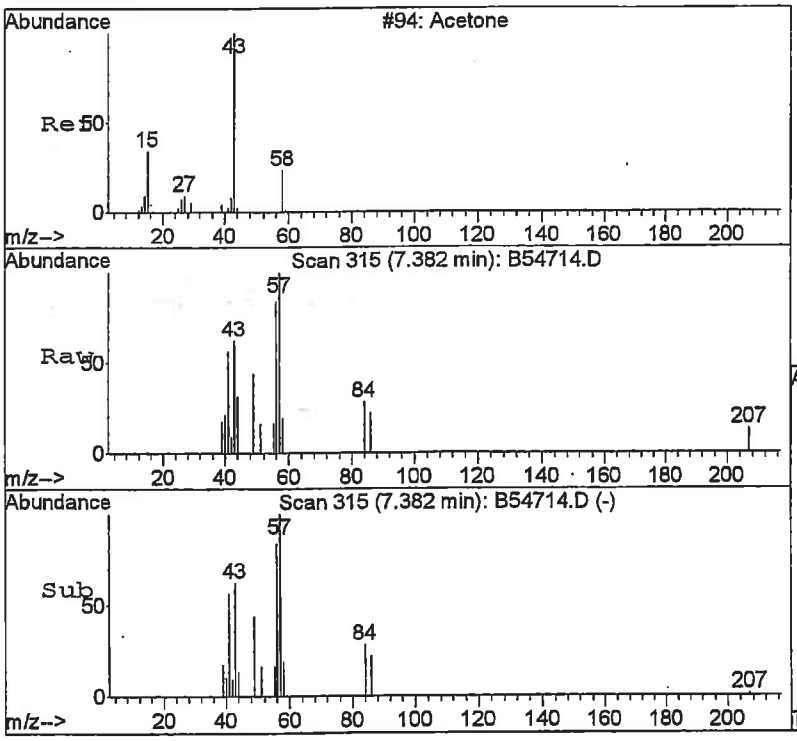
Quantitation Report

Data File : C:\HPCHEM\1\DATA\122308\B54714.D
Acq On : 23 Dec 2008 16:08
Sample : 0812200-7 500X
Misc : 5mls htd water - HS>pea
MS Integration Params: rteint.p
Quant Time: Dec 23 16:26 2008

Vial: 17
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration

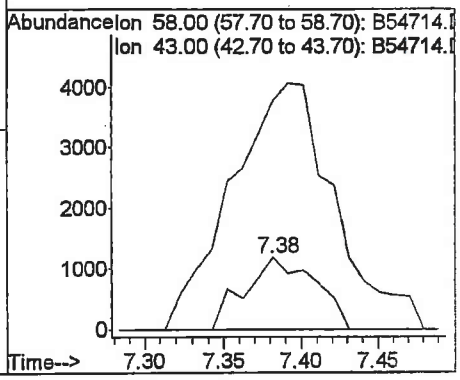


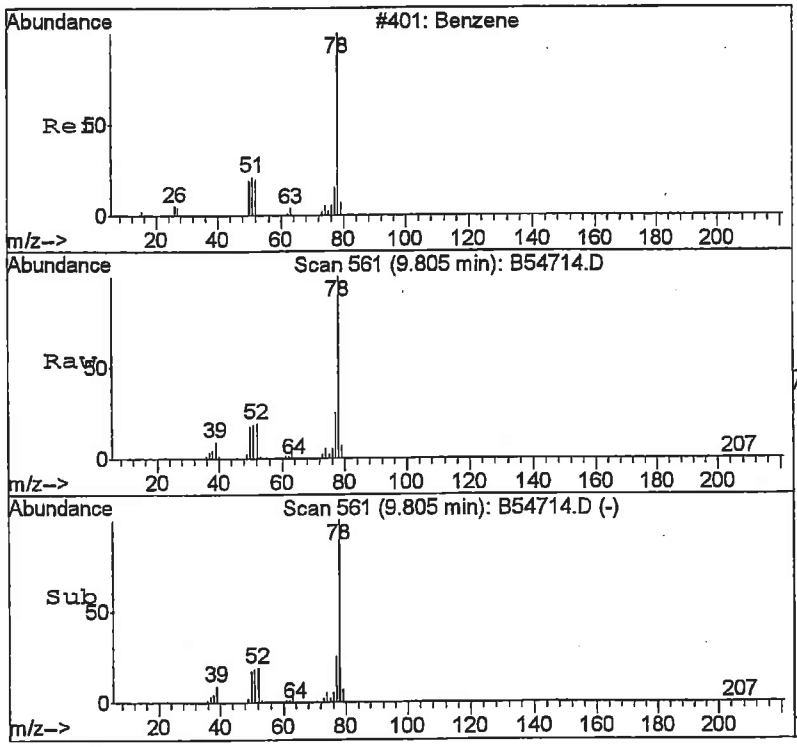


#12
acetone
Concen: Below Cal
RT: 7.38 min Scan# 315
Delta R.T. -0.02 min
Lab File: B54714.D
Acq: 23 Dec 2008 16:08

Tgt Ion: 58 Resp: 3766

Ion	Ratio	Lower	Upper
58	100		
43	250.5	238.1	442.1

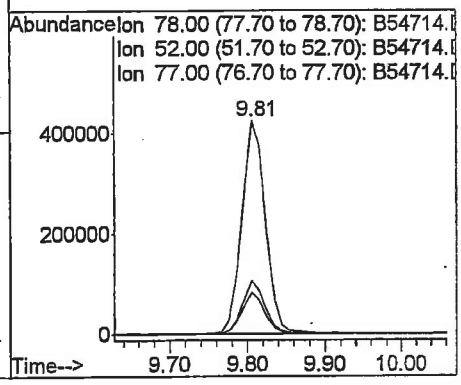


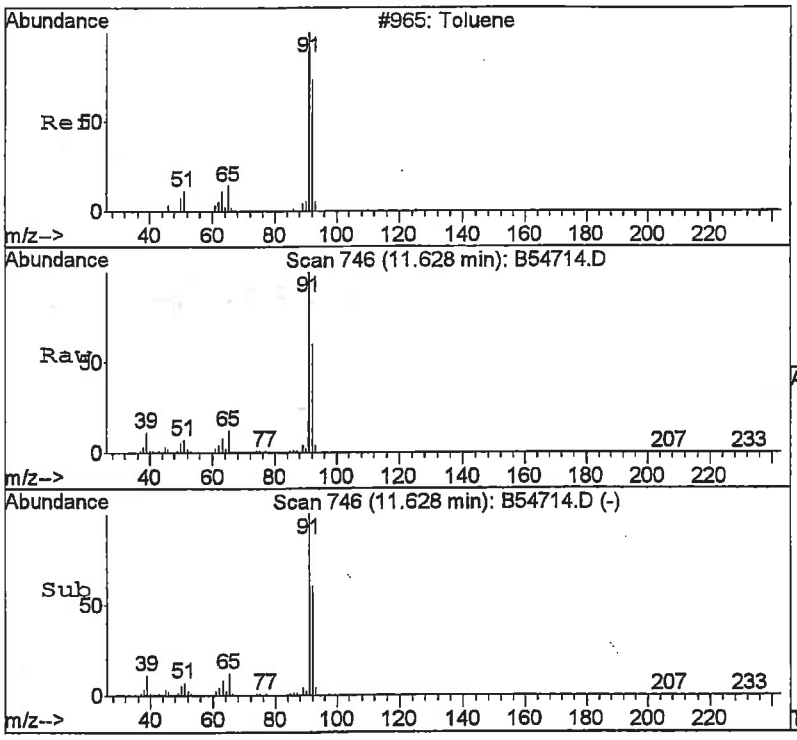


#41
benzene
Concen: 34.47 ppb
RT: 9.81 min Scan# 561
Delta R.T. -0.01 min
Lab File: B54714.D
Acq: 23 Dec 2008 16:08

Tgt Ion: 78 Resp: 911974

Ion	Ratio	Lower	Upper
78	100		
52	19.1	16.4	30.4
77	24.8	16.4	30.4

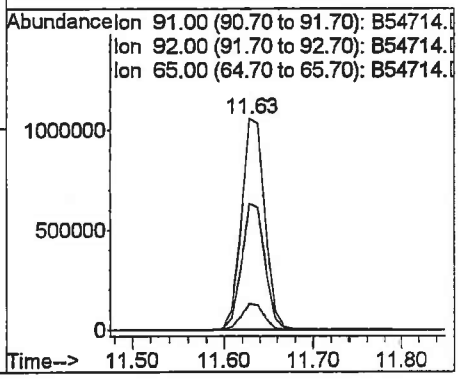


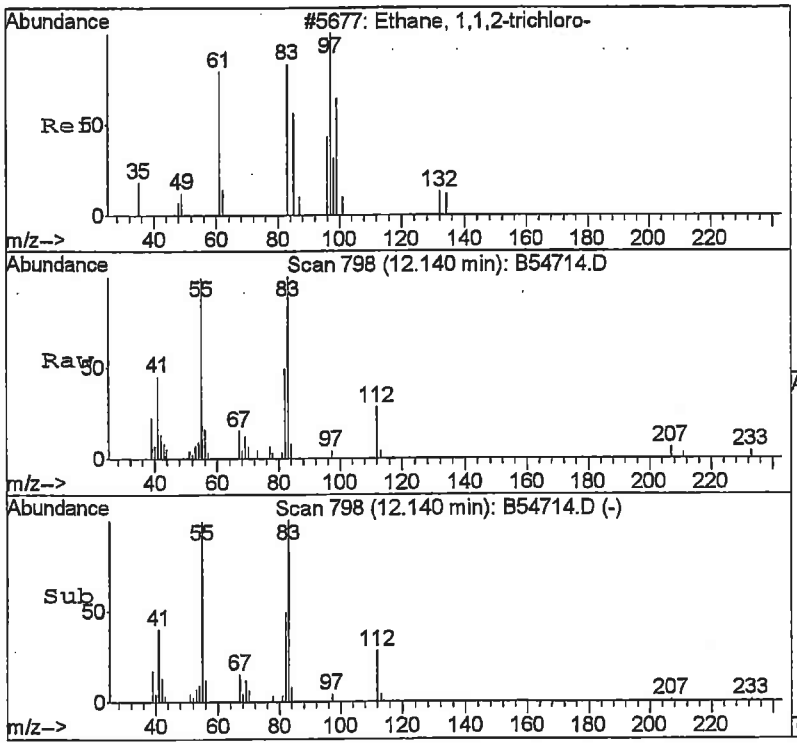


#55
toluene
Concen: 76.45 ppb
RT: 11.63 min Scan# 746
Delta R.T. -0.01 min
Lab File: B54714.D
Acq: 23 Dec 2008 16:08

Tgt Ion: 91 Resp: 1936019

Ion	Ratio	Lower	Upper
91	100		
92	59.8	42.3	78.5
65	12.3	8.1	15.1

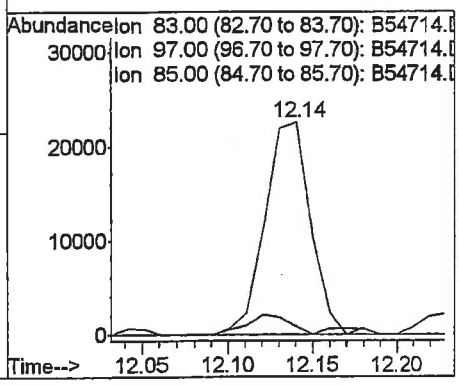


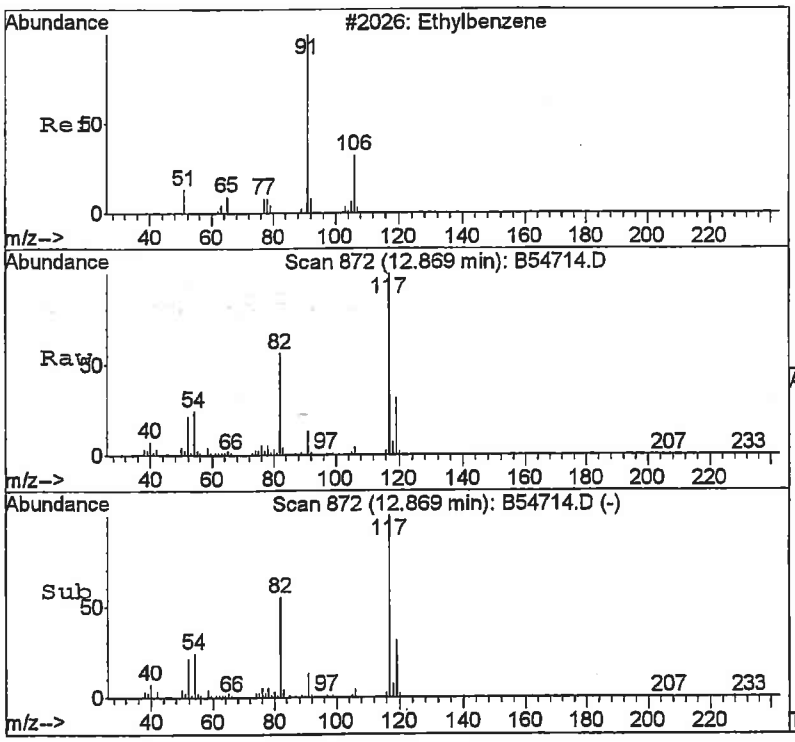


#58
1,1,2-trichloroethane
Concen: 8.52 ppb
RT: 12.14 min Scan# 798
Delta R.T. 0.05 min
Lab File: B54714.D
Acq: 23 Dec 2008 16:08

Tgt Ion: 83 Resp: 42142

Ion	Ratio	Lower	Upper
83	100		
97	3.7	79.0	146.6#
85	0.0	45.4	84.4#

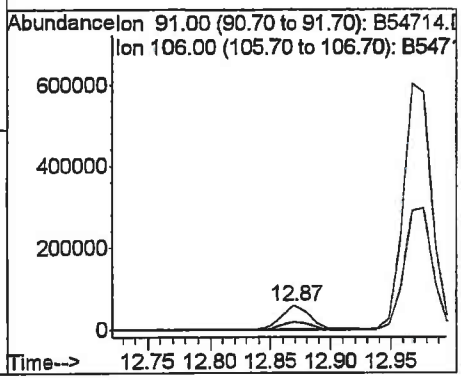


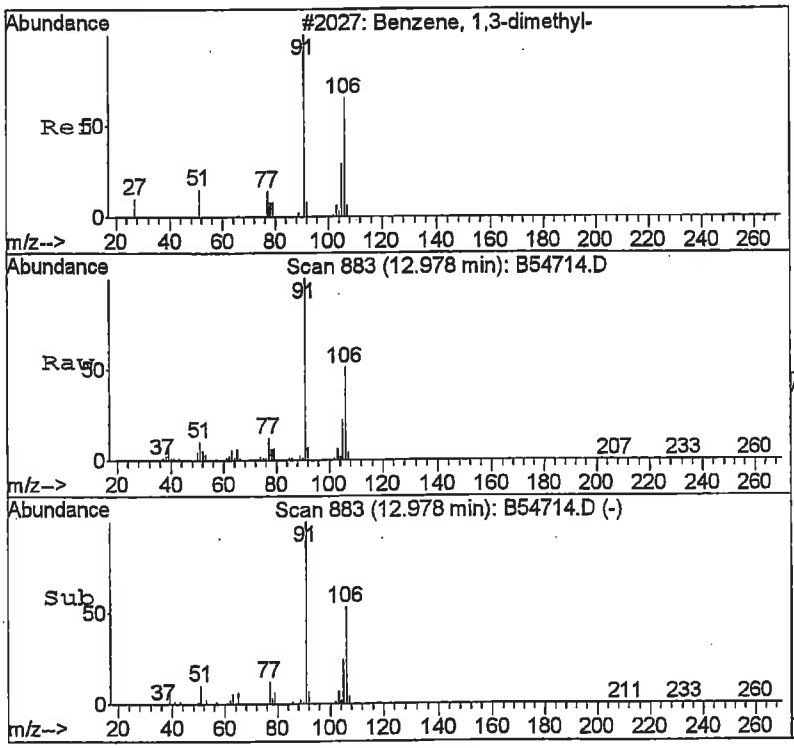


#66
ethylbenzene
Concen: 3.57 ppb
RT: 12.87 min Scan# 872
Delta R.T. -0.00 min
Lab File: B54714.D
Acq: 23 Dec 2008 16:08

Tgt Ion: 91 Resp: 98024

Ion	Ratio	Lower	Upper
91	100		
106	32.1	21.0	39.0

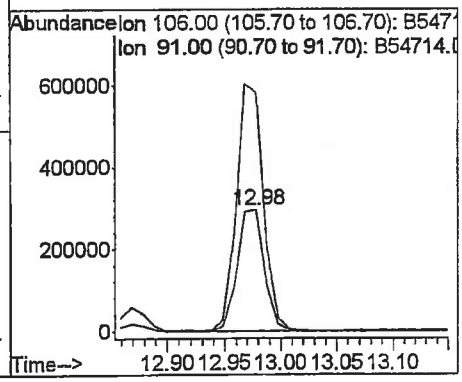


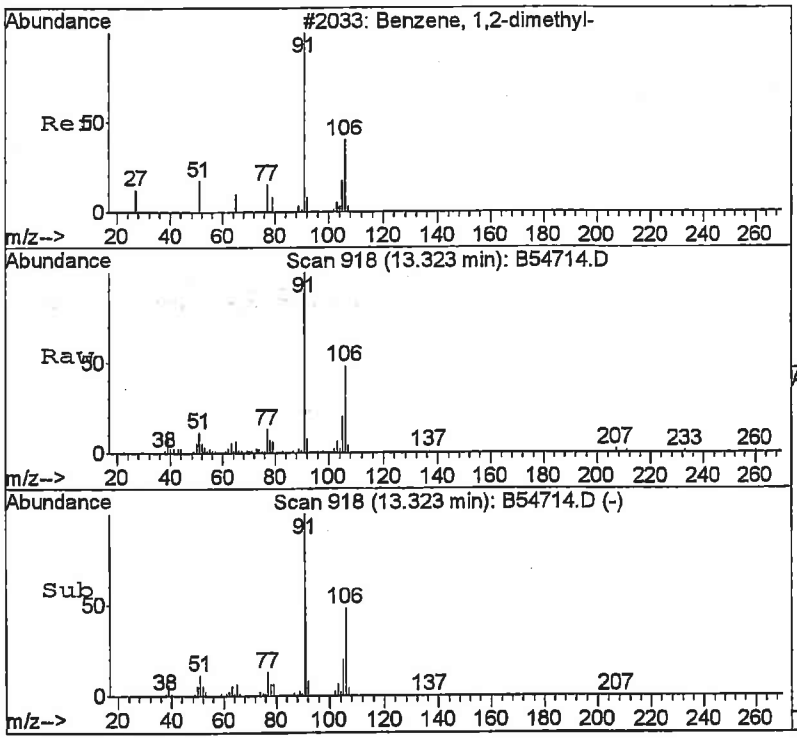


#68
m,p-xylene
Concen: 46.98 ppb
RT: 12.98 min Scan# 883
Delta R.T. -0.00 min
Lab File: B54714.D
Acq: 23 Dec 2008 16:08

Tgt Ion:106 Resp: 496303

Ion	Ratio	Lower	Upper
106	100		
91	196.7	140.8	261.6

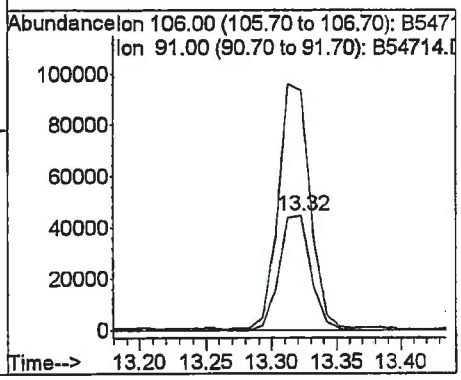


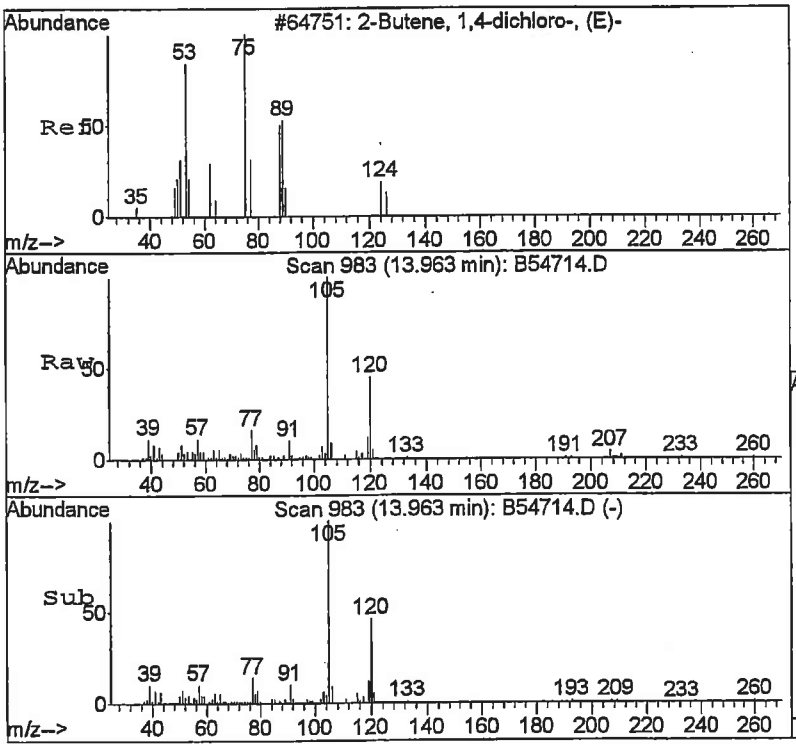


#69
o-xylene
Concen: 7.03 ppb
RT: 13.32 min Scan# 918
Delta R.T. -0.00 min
Lab File: B54714.D
Acq: 23 Dec 2008 16:08

Tgt Ion:106 Resp: 75254

Ion	Ratio	Lower	Upper
106	100		
91	208.9	147.3	273.5

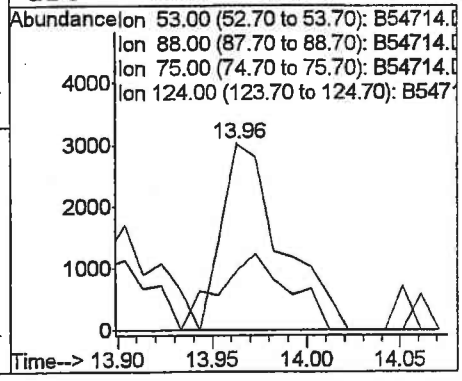


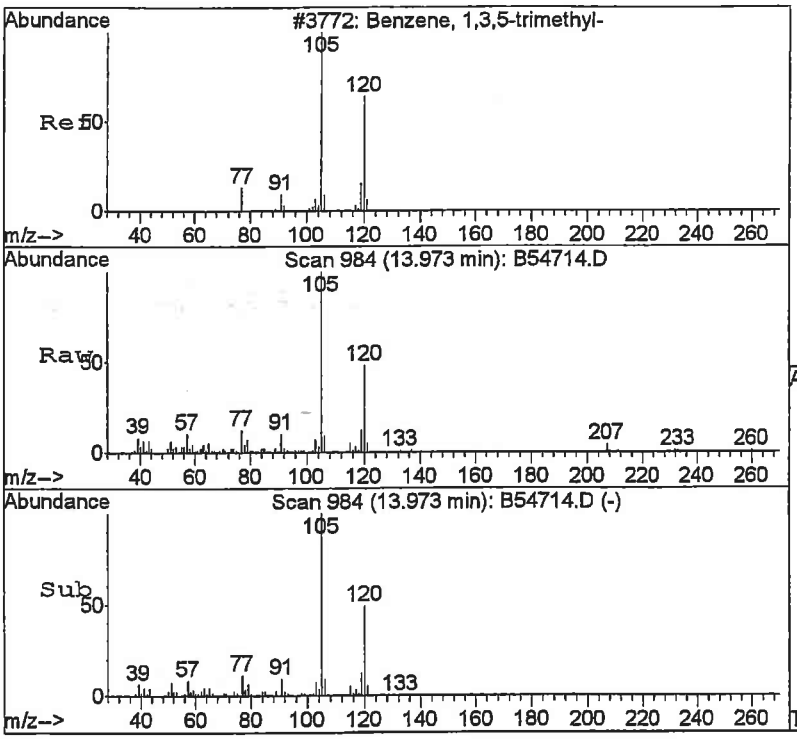


#77
trans-1,4-dichloro-2-butene
Concen: 4.10 ppb
RT: 13.96 min Scan# 983
Delta R.T. -0.06 min
Lab File: B54714.D
Acq: 23 Dec 2008 16:08

Tgt Ion: 53 Resp: 6628

Ion	Ratio	Lower	Upper
53	100		
88	0.0	30.7	57.1#
75	31.3	264.8	491.8#
124	0.0	15.7	29.1#

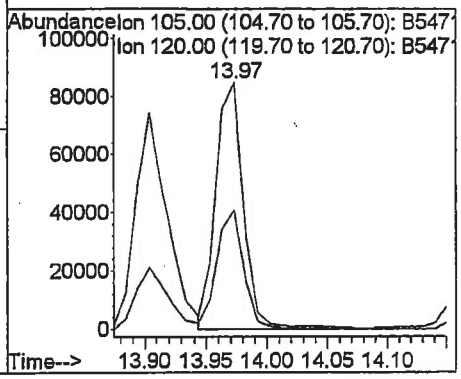


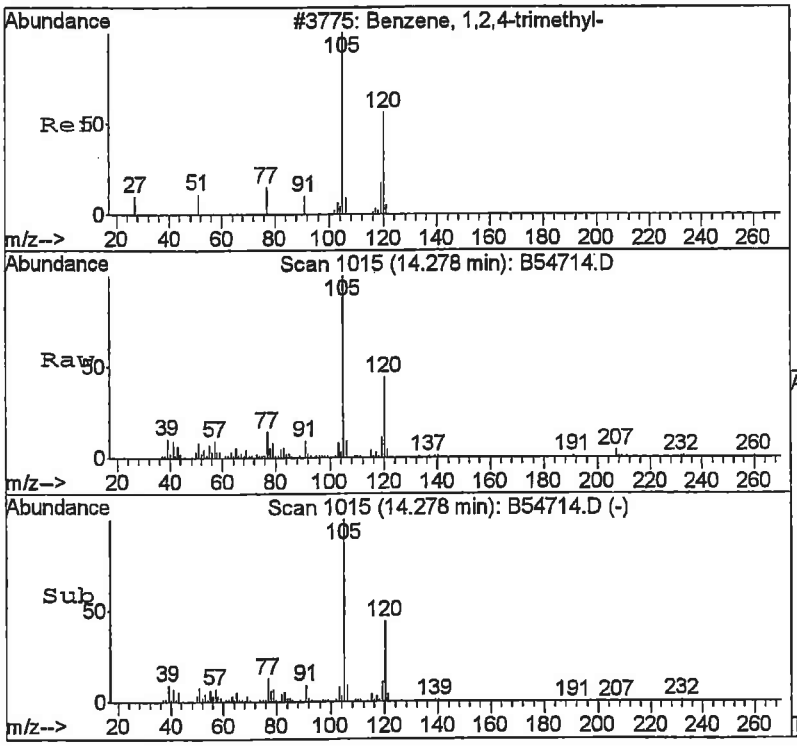


#80
1,3,5-trimethylbenzene
Concen: 5.95 ppb
RT: 13.97 min Scan# 984
Delta R.T. -0.00 min
Lab File: B54714.D
Acq: 23 Dec 2008 16:08

Tgt Ion:105 Resp: 134882

Ion	Ratio	Lower	Upper
105	100		
120	48.2	32.8	61.0

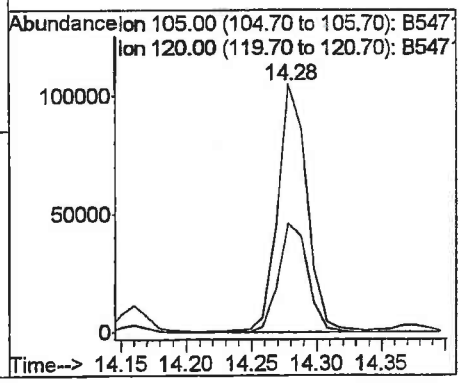




#84
1,2,4-trimethylbenzene
Concen: 7.35 ppb
RT: 14.28 min Scan# 1015
Delta R.T. -0.01 min
Lab File: B54714.D
Acq: 23 Dec 2008 16:08

Tgt Ion:105 Resp: 165078

Ion	Ratio	Lower	Upper
105	100		
120	44.0	31.5	58.5



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54715.D
Acq On : 23 Dec 2008 16:30
Sample : 0812200-8 400X
Misc : 5mls htd water - HS>pea
MS Integration Params: rteint.p
Quant Time: Dec 23 16:48 2008

Vial: 18
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.18	96	1249499	50.00	ppb		-0.01
53) chlorobenzene-d5	12.87	117	843705	50.00	ppb		-0.01
74) 1,4-dichlorobenzene-d4	14.66	152	315561	50.00	ppb		0.00
System Monitoring Compounds							
34) dibromofluoromethane	9.35	113	351378	46.29	ppb		-0.01
Spiked Amount 50.000	Range 79 - 120		Recovery =	92.58%			
39) 1,2-dichloroethane-d4	9.92	65	274132	45.41	ppb		-0.01
Spiked Amount 50.000	Range 62 - 139		Recovery =	90.82%			
54) toluene-d8	11.58	100	705267	50.60	ppb		-0.01
Spiked Amount 50.000	Range 83 - 120		Recovery =	101.20%			
73) 4-bromofluorobenzene	13.79	174	265603	52.11	ppb		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	104.22%			
Target Compounds							Qvalue
12) acetone	7.38	58	6504	Below Cal			85
26) 2-butanone	9.50	43	21293	6.96	ppb	#	63
41) benzene	9.81	78	833218	31.50	ppb		94
45) methyl methacrylate	10.88	69	11339	2.91	ppb	#	1
52) 4-methyl-2-pentanone	11.86	43	221335	34.76	ppb	#	56
55) toluene	11.63	91	2759534	109.48	ppb		98
56) ethyl methacrylate	11.97	69	12218	1.67	ppb	#	1
58) 1,1,2-trichloroethane	12.13	83	299140	60.79	ppb	#	7
64) 1-chlorohexane	12.87	91	323239	35.25	ppb	#	31
66) ethylbenzene	12.87	91	323239	11.81	ppb		100
68) m,p-xylene	12.97	106	1687251	160.47	ppb		96
69) o-xylene	13.32	106	261799	24.59	ppb		99
72) isopropylbenzene	13.54	105	51842	2.01	ppb		99
75) 1,1,2,2-tetrachloroethane	13.89	83	27966	3.63	ppb	#	31
76) n-propylbenzene	13.85	91	102924	3.05	ppb		96
77) trans-1,4-dichloro-2-buten	14.06	53	3188	2.02	ppb	#	1
80) 1,3,5-trimethylbenzene	13.97	105	697492	31.49	ppb		98
84) 1,2,4-trimethylbenzene	14.28	105	826512	37.66	ppb		96
86) p-isopropyltoluene	14.43	119	100703	4.34	ppb		97
95) naphthalene	16.73	128	37779	2.78	ppb		100

m 12/24/08

(#) = qualifier out of range (m) = manual integration
B54715.D 111408S.M Tue Dec 23 16:48:36 2008

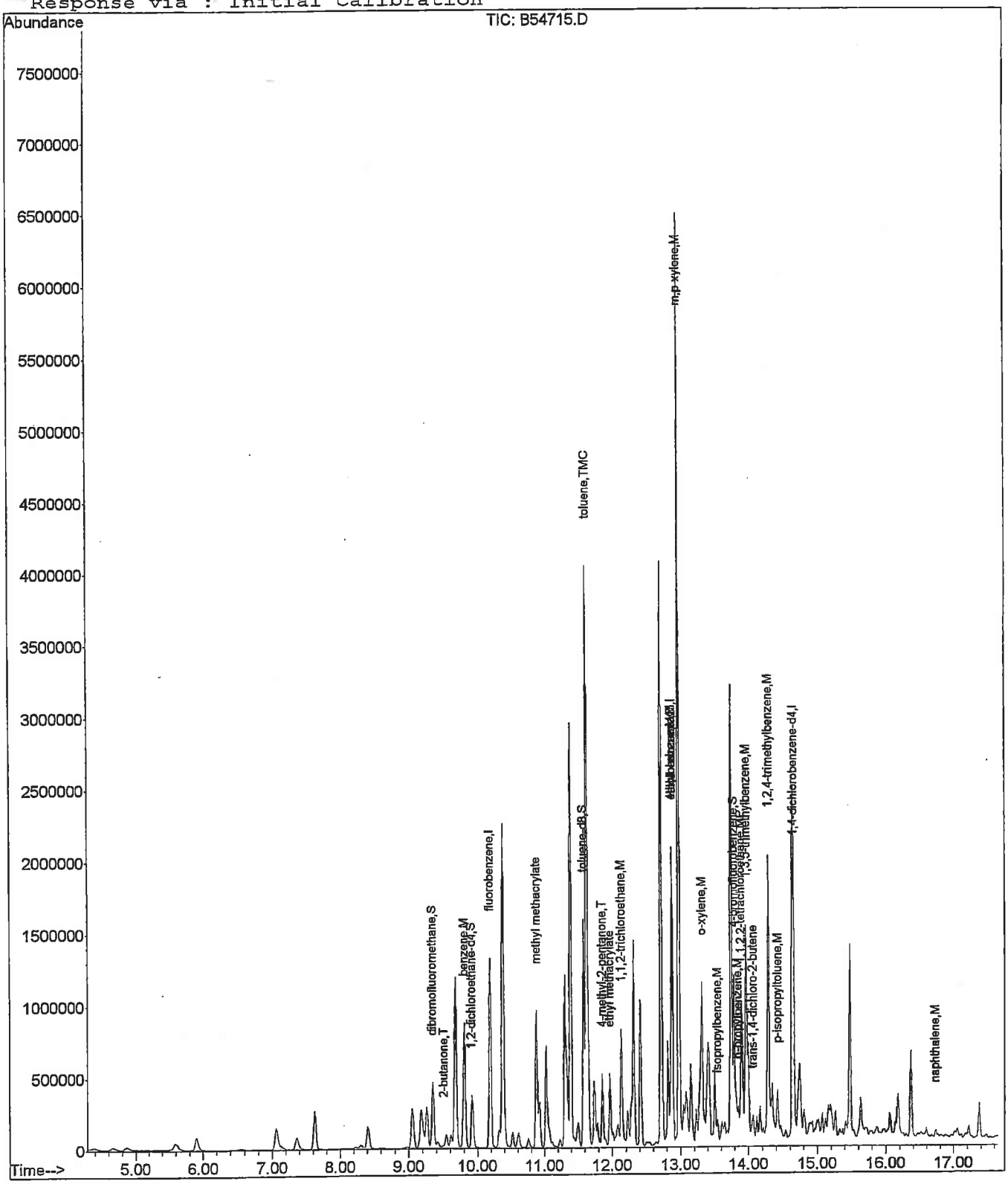
Quantitation Report

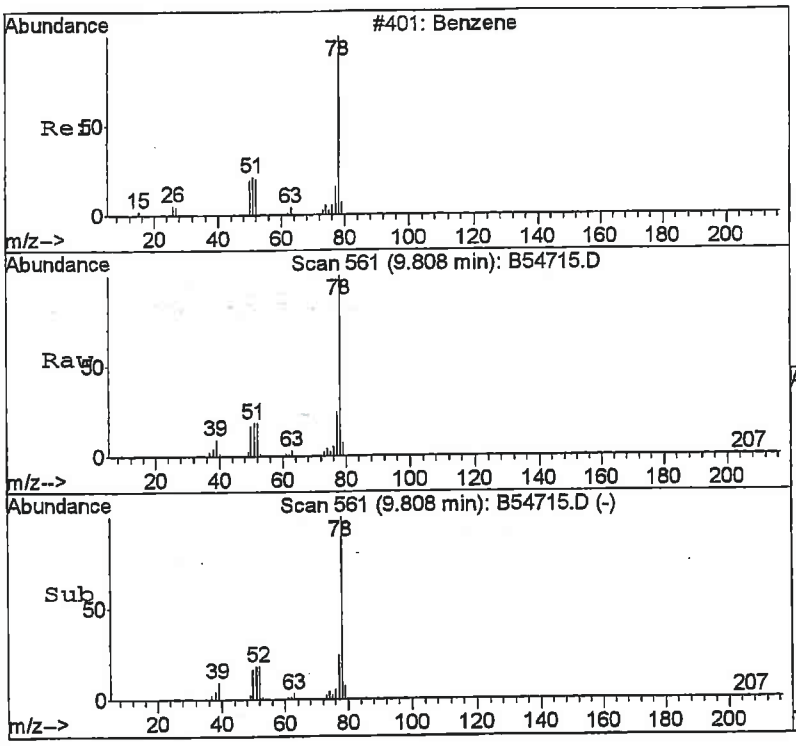
Data File : C:\HPCHEM\1\DATA\122308\B54715.D
Acq On : 23 Dec 2008 16:30
Sample : 0812200-8 400X
Misc : 5mls htd water - HS>pea
MS Integration Params: rteint.p
Quant Time: Dec 23 16:48 2008

Vial: 18
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration

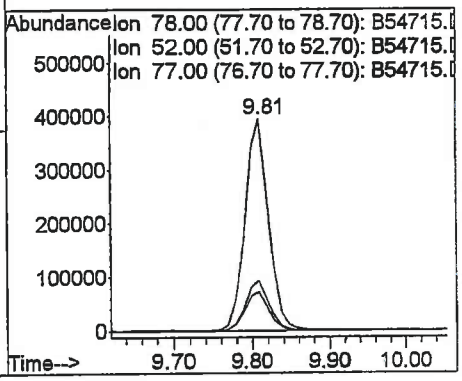


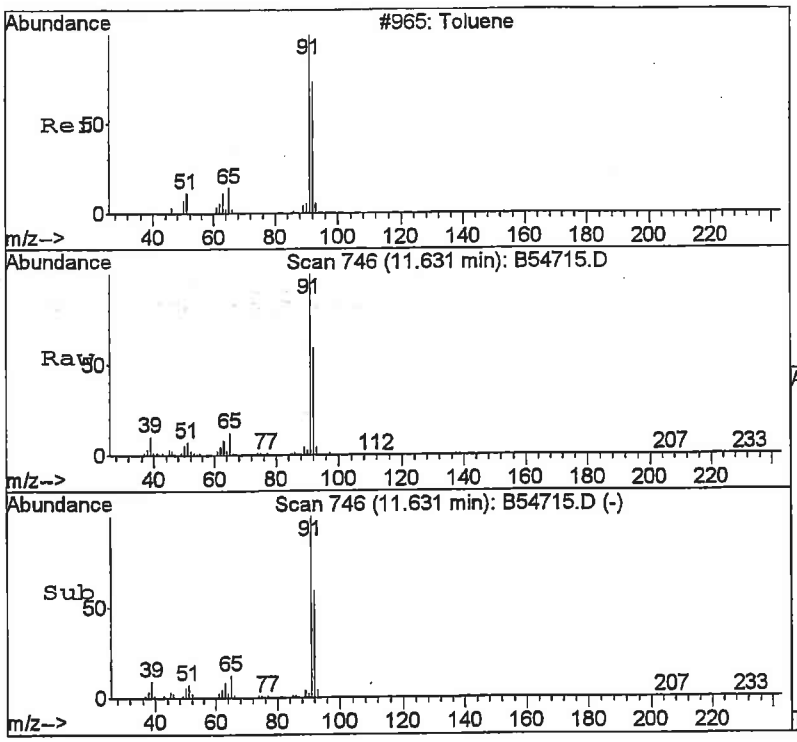


#41
benzene
Concen: 31.50 ppb
RT: 9.81 min Scan# 561
Delta R.T. -0.01 min
Lab File: B54715.D
Acq: 23 Dec 2008 16:30

Tgt Ion: 78 Resp: 833218

Ion	Ratio	Lower	Upper
78	100		
52	18.3	16.4	30.4
77	23.7	16.4	30.4

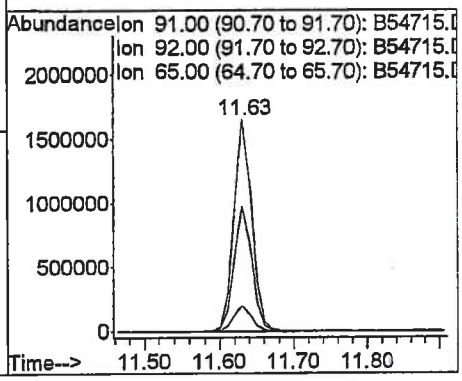


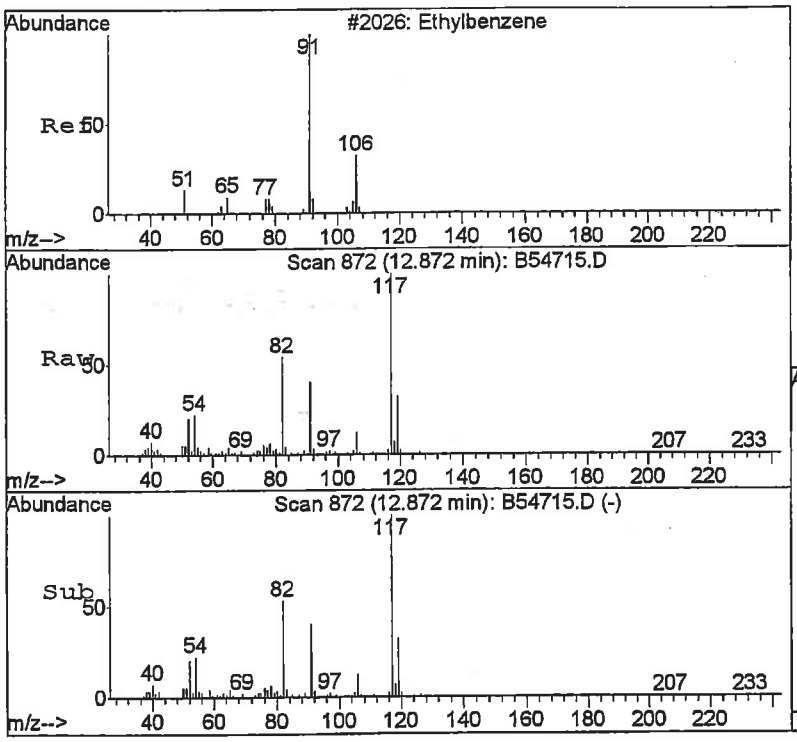


#55
toluene
Concen: 109.48 ppb
RT: 11.63 min Scan# 746
Delta R.T. -0.01 min
Lab File: B54715.D
Acq: 23 Dec 2008 16:30

Tgt Ion: 91 Resp: 2759534

Ion	Ratio	Lower	Upper
91	100		
92	58.7	42.3	78.5
65	11.9	8.1	15.1

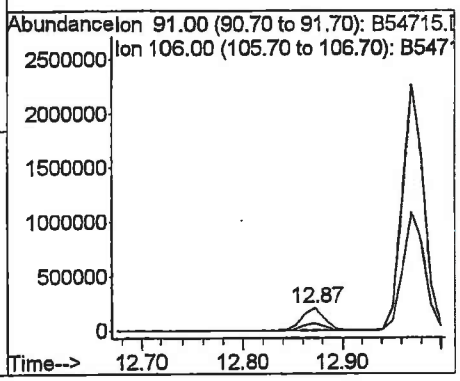


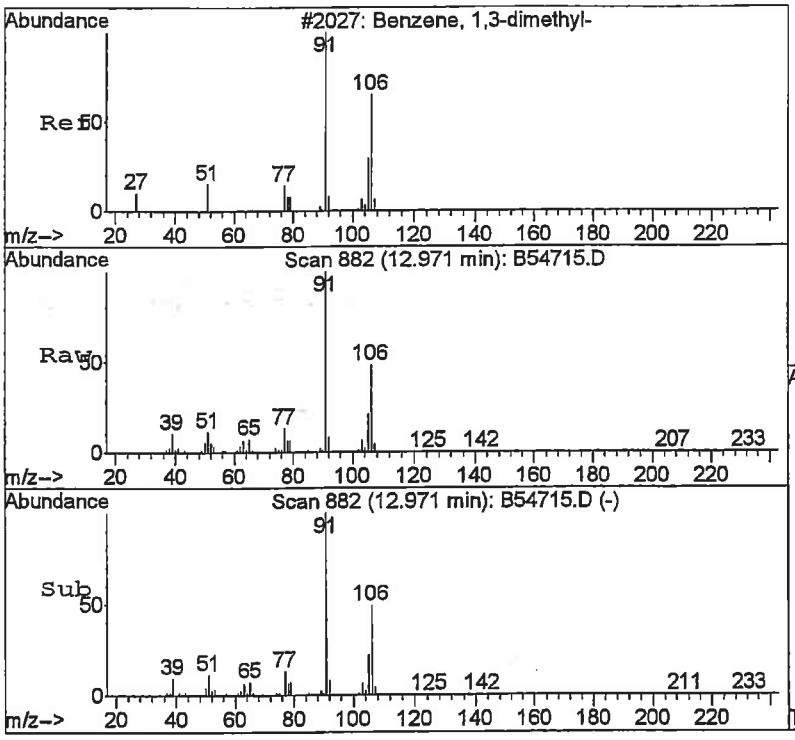


#66
ethylbenzene
Concen: 11.81 ppb
RT: 12.87 min Scan# 872
Delta R.T. -0.00 min
Lab File: B54715.D
Acq: 23 Dec 2008 16:30

Tgt Ion: 91 Resp: 323239

Ion	Ratio	Lower	Upper
91	100		
106	30.2	21.0	39.0

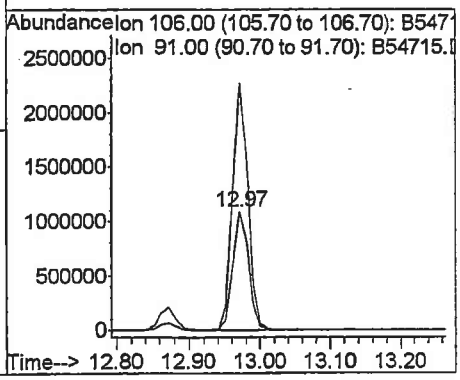


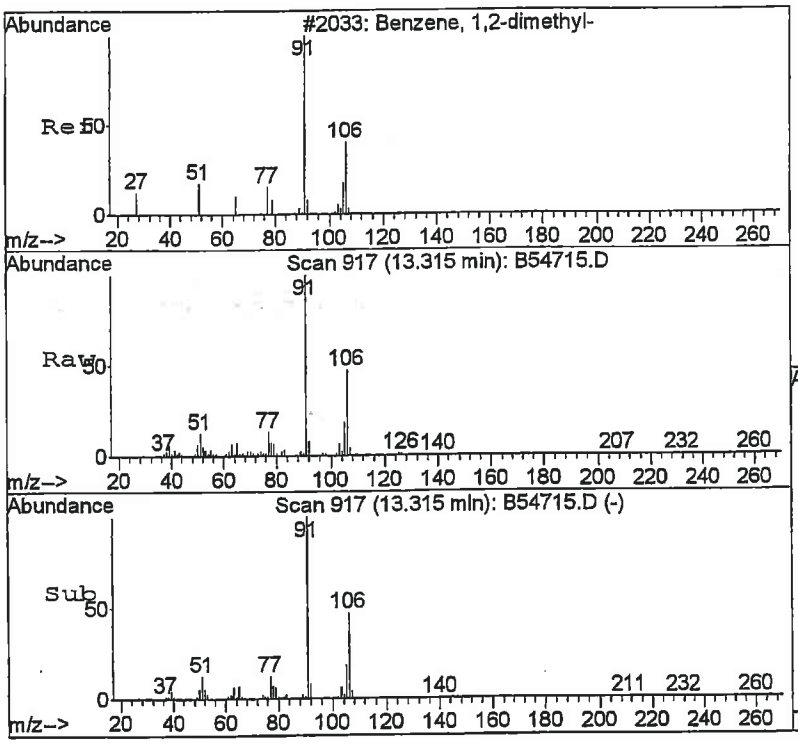


#68
m,p-xylene
Concen: 160.47 ppb
RT: 12.97 min Scan# 882
Delta R.T. -0.01 min
Lab File: B54715.D
Acq: 23 Dec 2008 16:30

Tgt Ion:106 Resp: 1687251

Ion	Ratio	Lower	Upper
106	100		
91	208.0	140.8	261.6

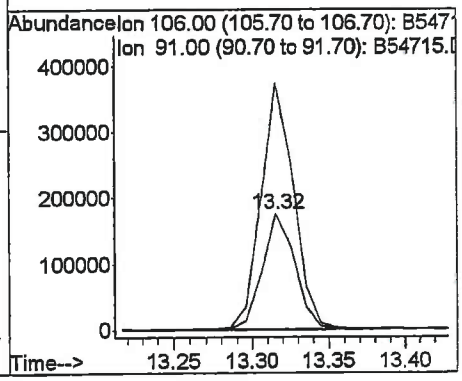




#69
o-xylene
Concen: 24.59 ppb
RT: 13.32 min Scan# 917
Delta R.T. -0.01 min
Lab File: B54715.D
Acq: 23 Dec 2008 16:30

Tgt Ion:106 Resp: 261799

Ion	Ratio	Lower	Upper
106	100		
91	211.4	147.3	273.5



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54718.D
Acq On : 23 Dec 2008 17:37
Sample : 0812200-1 400X
Misc : 5mls htd water - HS>pea
MS Integration Params: rteint.p
Quant Time: Dec 23 18:47 2008

Vial: 21
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.18	96	1183629	50.00	ppb		-0.01
53) chlorobenzene-d5	12.87	117	794570	50.00	ppb		-0.01
74) 1,4-dichlorobenzene-d4	14.65	152	297583	50.00	ppb		0.00
System Monitoring Compounds							
34) dibromofluoromethane	9.35	113	355846	49.48	ppb		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 98.96%				
39) 1,2-dichloroethane-d4	9.92	65	269657	47.16	ppb		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 94.32%				
54) toluene-d8	11.58	100	721119	54.94	ppb		-0.01
Spiked Amount 50.000	Range 83 - 120		Recovery = 109.88%				
73) 4-bromofluorobenzene	13.79	174	272996	56.88	ppb		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 113.76%				
Target Compounds							Qvalue
12) acetone	7.38	58	5195	Below Cal			88
41) benzene	9.81	78	865104	34.53	ppb		94
52) 4-methyl-2-pentanone	11.85	43	113756	18.86	ppb	#	56
55) toluene	11.63	91	2081206	87.67	ppb		98
58) 1,1,2-trichloroethane	12.13	83	133336	28.77	ppb	#	7
64) 1-chlorohexane	12.87	91	151497	17.54	ppb	#	34
66) ethylbenzene	12.87	91	151497	5.88	ppb		97
68) m,p-xylene	12.97	106	806911	81.49	ppb		98
69) o-xylene	13.31	106	122048	12.17	ppb		97
75) 1,1,2,2-tetrachloroethane	13.88	83	15979	2.20	ppb	#	29
80) 1,3,5-trimethylbenzene	13.96	105	333687	15.98	ppb		97
84) 1,2,4-trimethylbenzene	14.28	105	351617	16.99	ppb		99
86) p-isopropyltoluene	14.43	119	46552	2.13	ppb		98

aw 12/24/08

(#) = qualifier out of range (m) = manual integration
B54718.D 111408S.M Wed Dec 24 08:03:29 2008

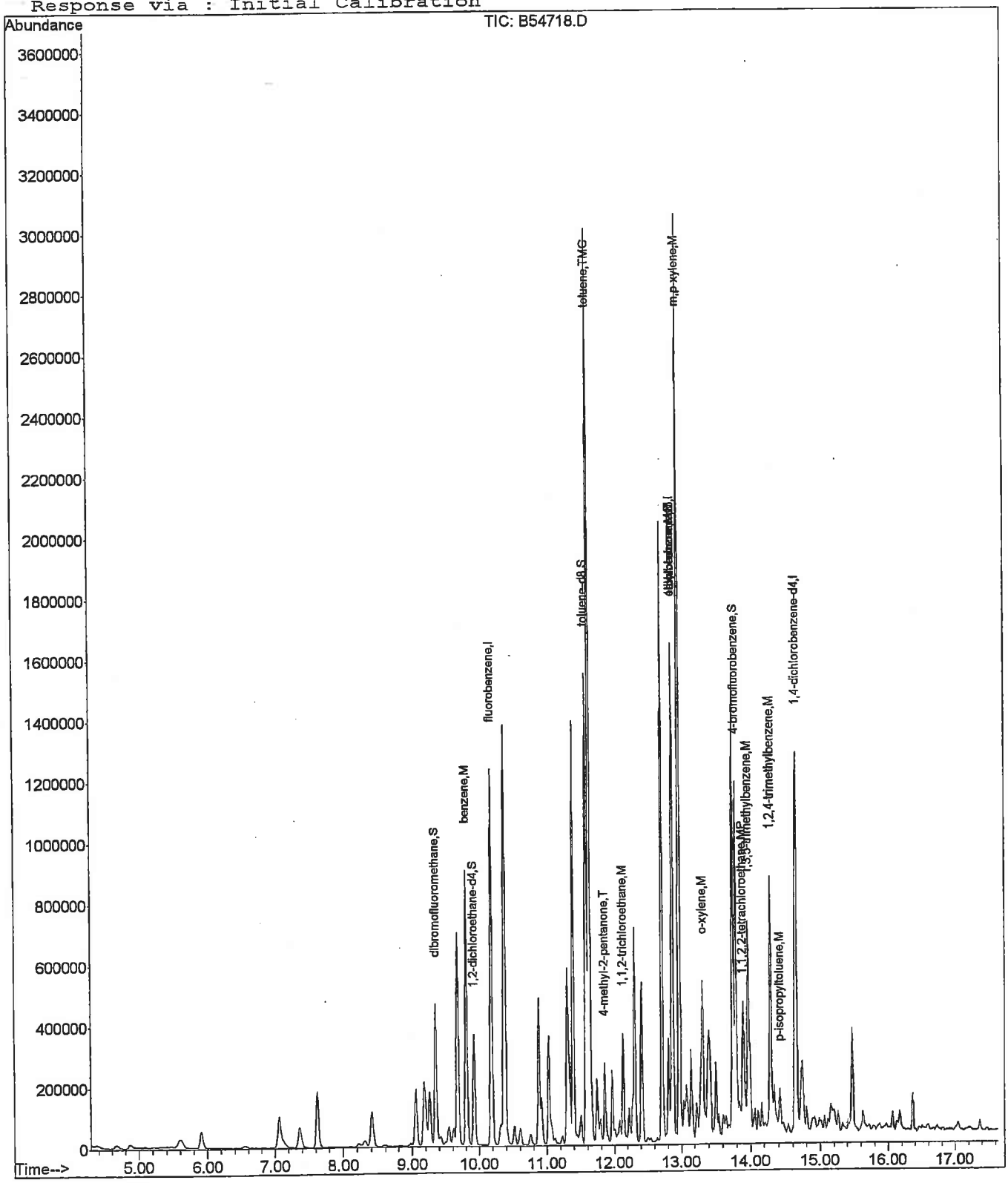
Quantitation Report

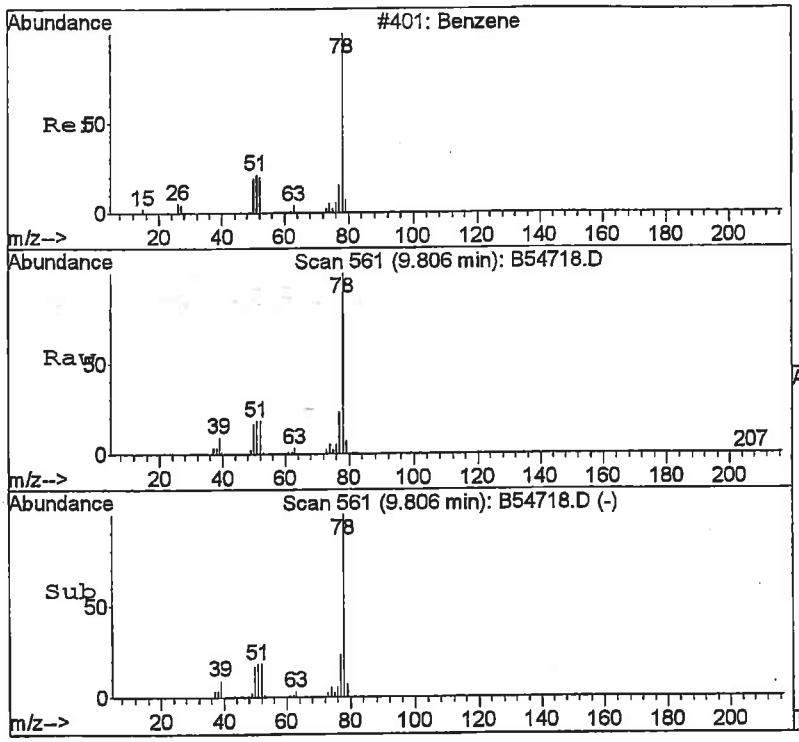
Data File : C:\HPCHEM\1\DATA\122308\B54718.D
Acq On : 23 Dec 2008 17:37
Sample : 0812200-1 400X
Misc : 5mls htd water - HS>pea
MS Integration Params: rteint.p
Quant Time: Dec 23 18:47 2008

Vial: 21
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration

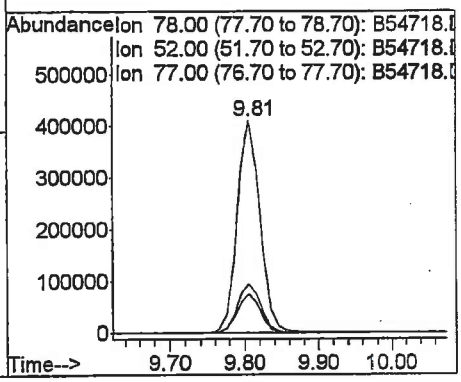


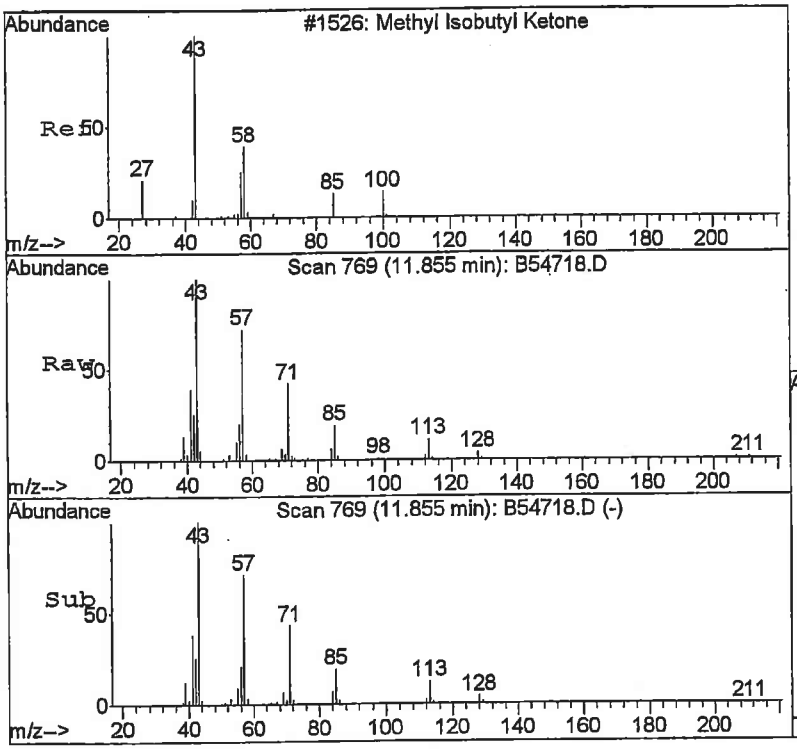


#41
benzene
Concen: 34.53 ppb
RT: 9.81 min Scan# 561
Delta R.T. -0.01 min
Lab File: B54718.D
Acq: 23 Dec 2008 17:37

Tgt Ion: 78 Resp: 865104

Ion	Ratio	Lower	Upper
78	100		
52	18.1	16.4	30.4
77	22.8	16.4	30.4

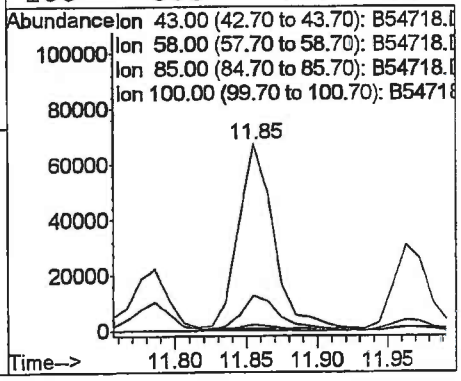


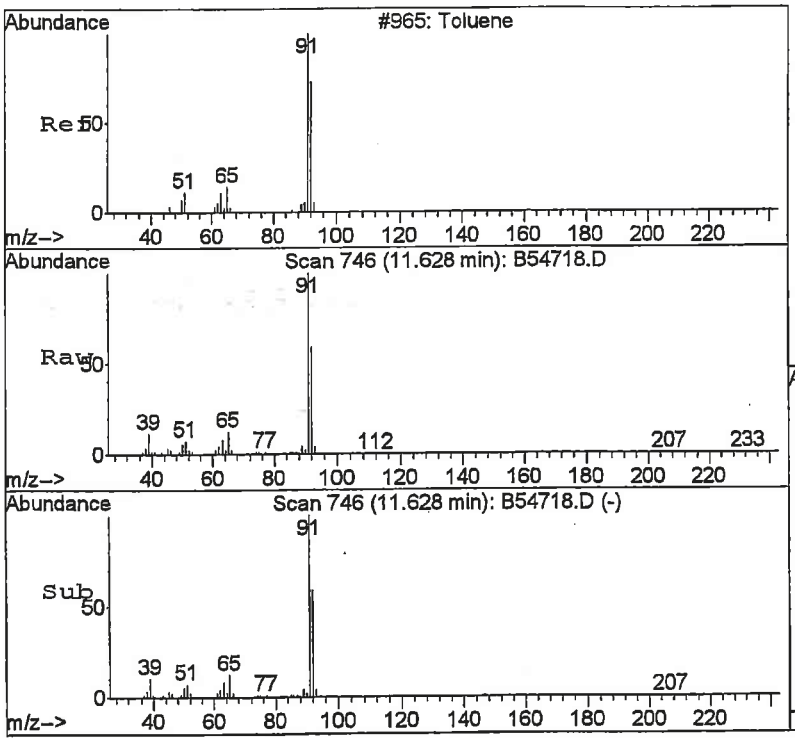


#52
4-methyl-2-pentanone
Concen: 18.86 ppb
RT: 11.85 min Scan# 769
Delta R.T. -0.04 min
Lab File: B54718.D
Acq: 23 Dec 2008 17:37

Tgt Ion: 43 Resp: 113756

Ion	Ratio	Lower	Upper
43	100		
58	3.3	26.3	48.9#
85	19.0	8.7	16.1#
100	0.0	7.7	14.3#

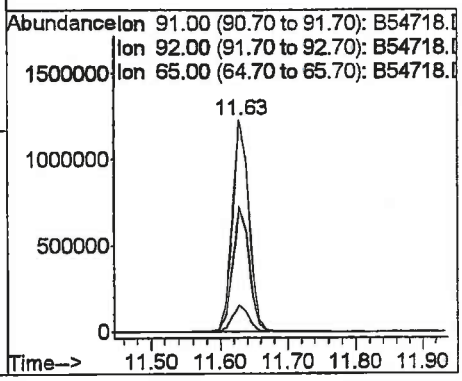


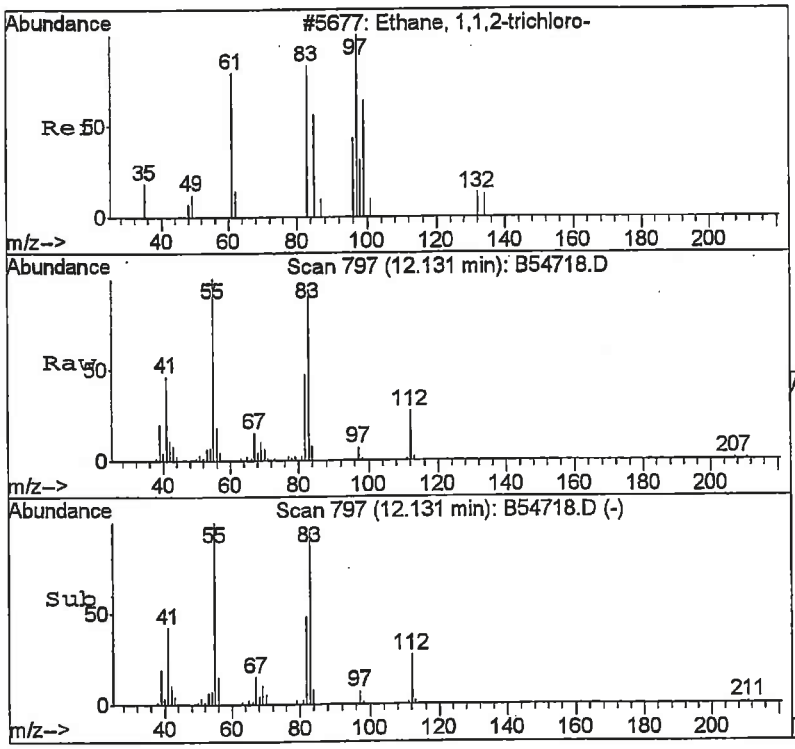


#55
toluene
Concen: 87.67 ppb
RT: 11.63 min Scan# 746
Delta R.T. -0.01 min
Lab File: B54718.D
Acq: 23 Dec 2008 17:37

Tgt Ion: 91 Resp: 2081206

Ion	Ratio	Lower	Upper
91	100		
92	58.6	42.3	78.5
65	12.2	8.1	15.1

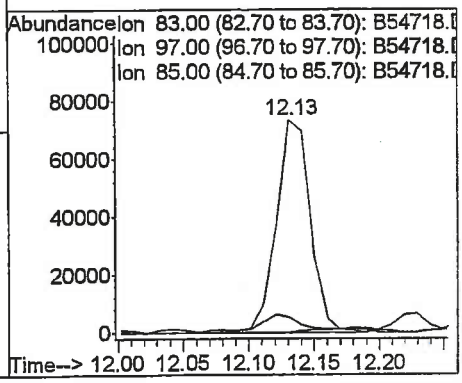


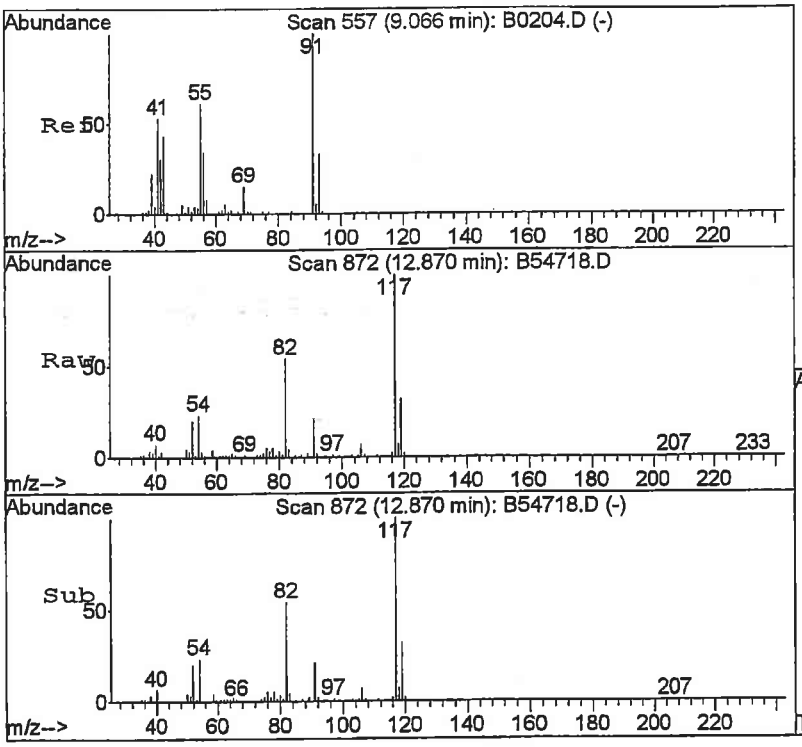


#58
1,1,2-trichloroethane
Concen: 28.77 ppb
RT: 12.13 min Scan# 797
Delta R.T. 0.04 min
Lab File: B54718.D
Acq: 23 Dec 2008 17:37

Tgt Ion: 83 Resp: 133336

Ion	Ratio	Lower	Upper
83	100		
97	7.2	79.0	146.6#
85	0.0	45.4	84.4#

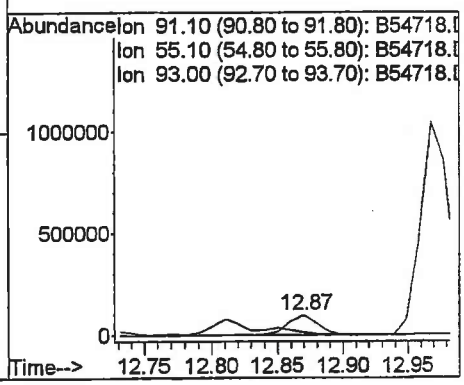


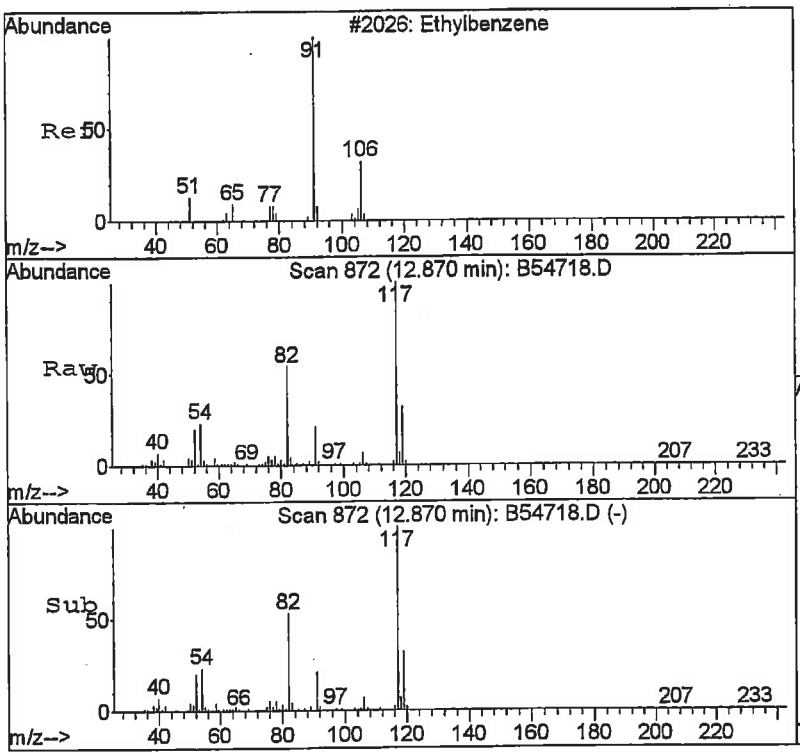


#64
1-chlorohexane
Concen: 17.54 ppb
RT: 12.87 min Scan# 872
Delta R.T. 0.06 min
Lab File: B54718.D
Acq: 23 Dec 2008 17:37

Tgt Ion: 91 Resp: 151497

Ion	Ratio	Lower	Upper
91	100		
55	10.5	47.5	88.1#
93	0.6	22.7	42.1#

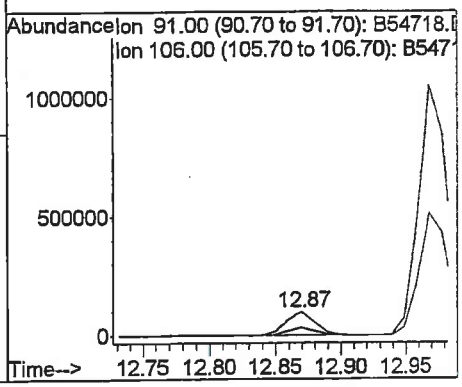


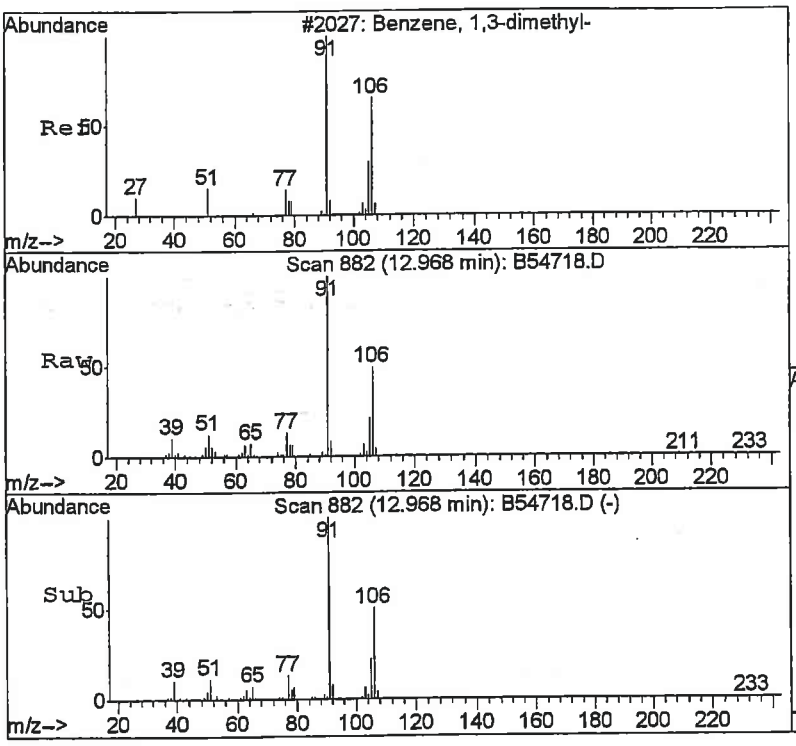


#66
ethylbenzene
Concen: 5.88 ppb
RT: 12.87 min Scan# 872
Delta R.T. -0.00 min
Lab File: B54718.D
Acq: 23 Dec 2008 17:37

Tgt Ion: 91 Resp: 151497

Ion	Ratio	Lower	Upper
91	100		
106	31.4	21.0	39.0

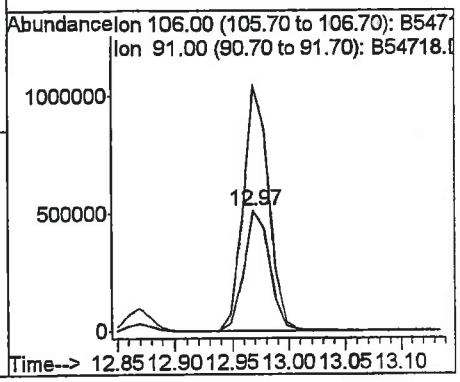


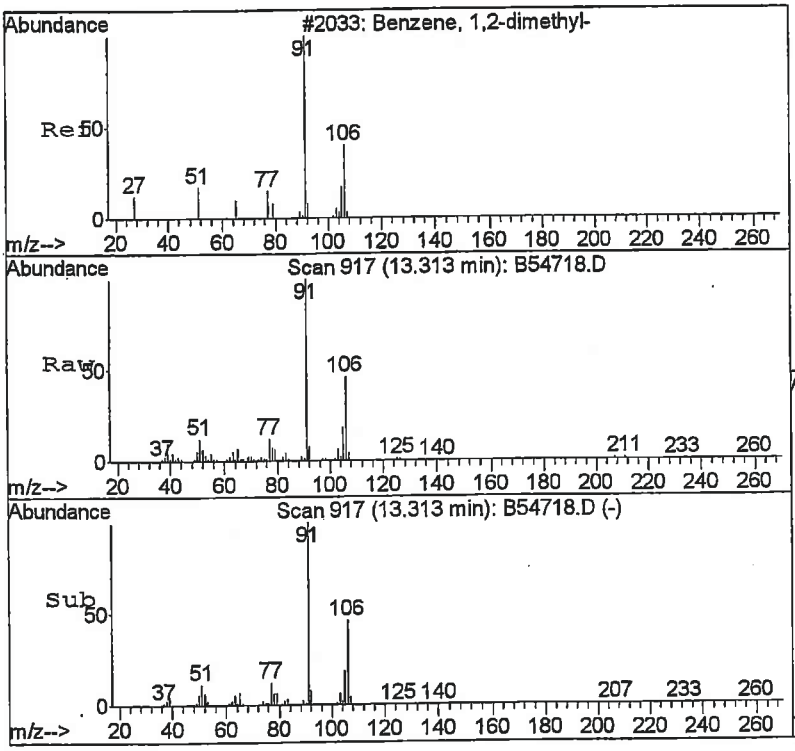


#68
m,p-xylene
Concen: 81.49 ppb
RT: 12.97 min Scan# 882
Delta R.T. -0.01 min
Lab File: B54718.D
Acq: 23 Dec 2008 17:37

Tgt Ion:106 Resp: 806911

Ion	Ratio	Lower	Upper
106	100		
91	204.3	140.8	261.6

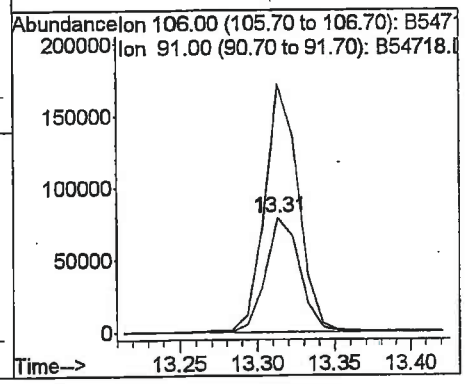


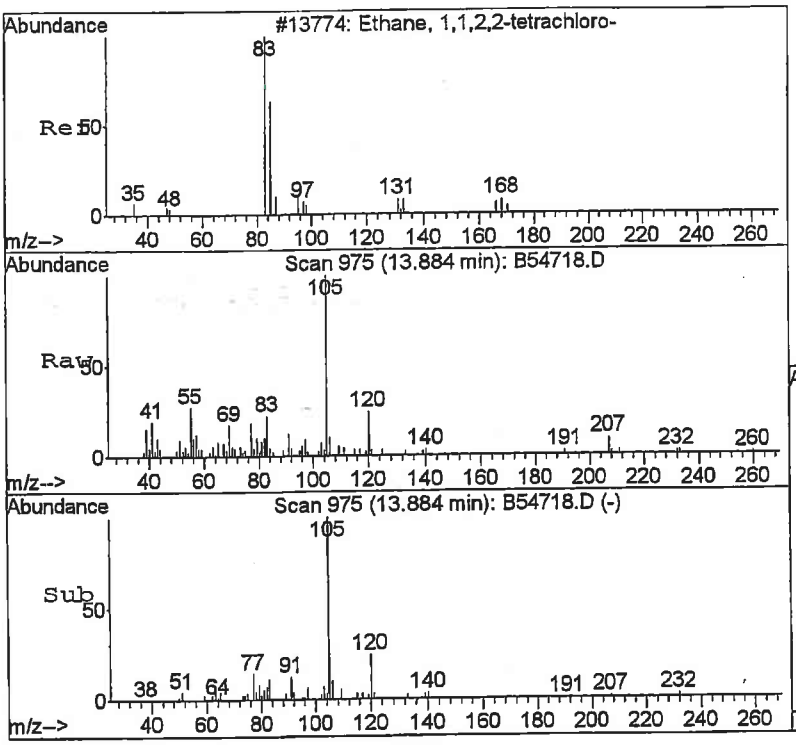


#69
o-xylene
Concen: 12.17 ppb
RT: 13.31 min Scan# 917
Delta R.T. -0.01 min
Lab File: B54718.D
Acq: 23 Dec 2008 17:37

Tgt Ion:106 Resp: 122048

Ion	Ratio	Lower	Upper
106	100		
91	215.2	147.3	273.5

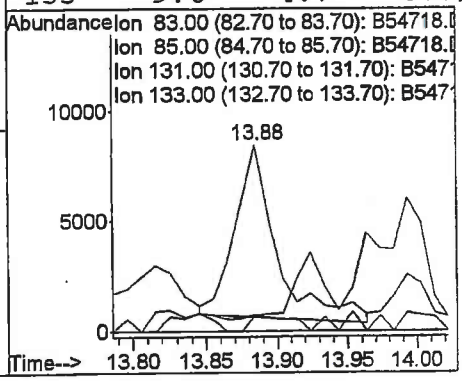


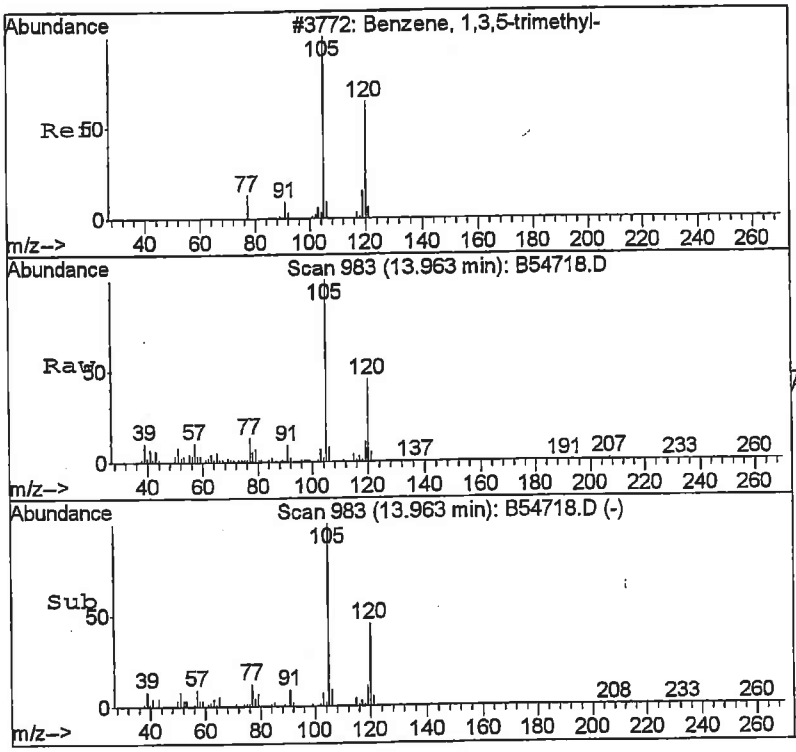


#75
1,1,2,2-tetrachloroethane
Concen: 2.20 ppb
RT: 13.88 min Scan# 975
Delta R.T. -0.00 min
Lab File: B54718.D
Acq: 23 Dec 2008 17:37

Tgt Ion: 83 Resp: 15979

Ion	Ratio	Lower	Upper
83	100		
85	0.0	46.2	85.8#
131	0.0	5.3	9.9#
133	9.6	4.7	8.7#

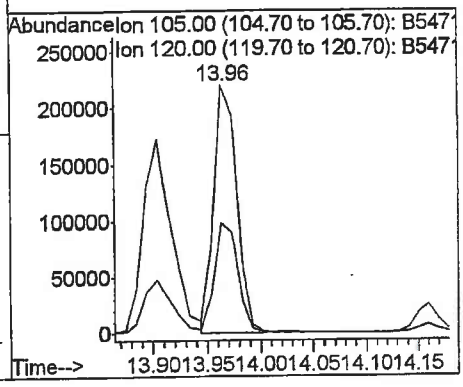


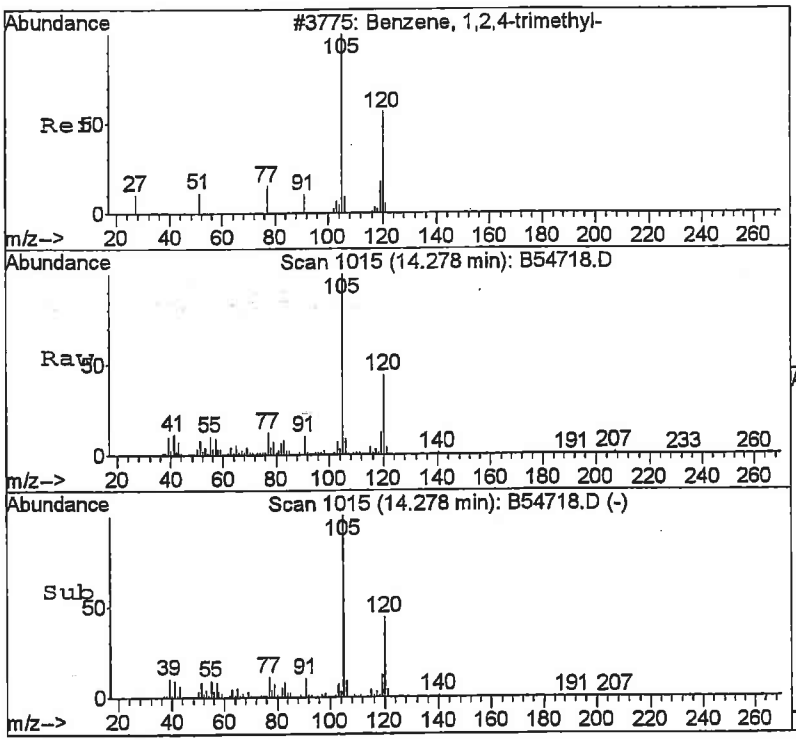


#80
1,3,5-trimethylbenzene
Concen: 15.98 ppb
RT: 13.96 min Scan# 983
Delta R.T. -0.01 min
Lab File: B54718.D
Acq: 23 Dec 2008 17:37

Tgt Ion:105 Resp: 333687

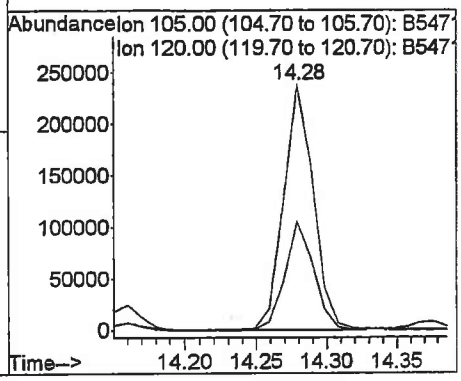
Ion	Ratio	Lower	Upper
105	100		
120	44.7	32.8	61.0

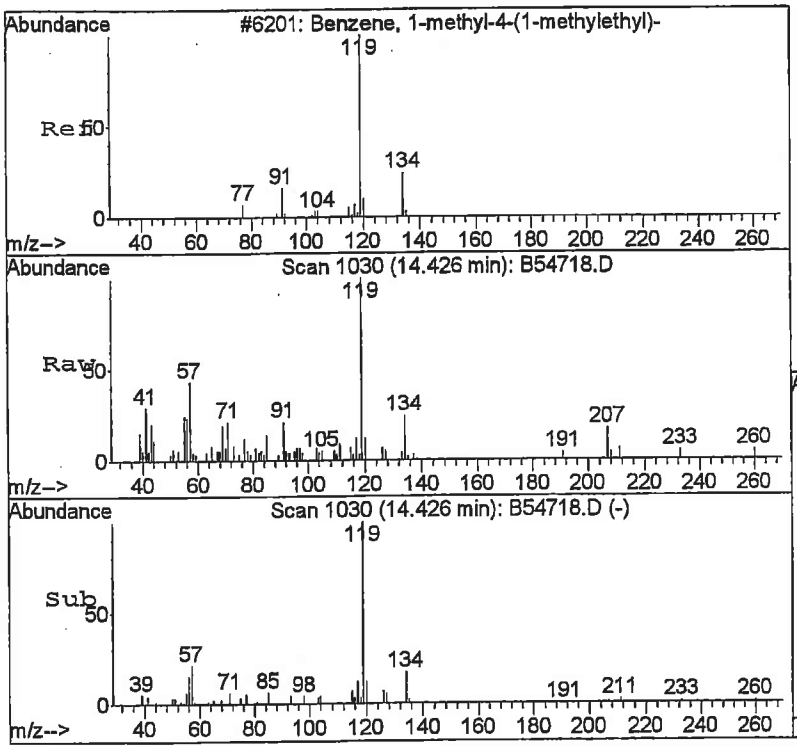




#84
1,2,4-trimethylbenzene
Concen: 16.99 ppb
RT: 14.28 min Scan# 1015
Delta R.T. -0.01 min
Lab File: B54718.D
Acq: 23 Dec 2008 17:37

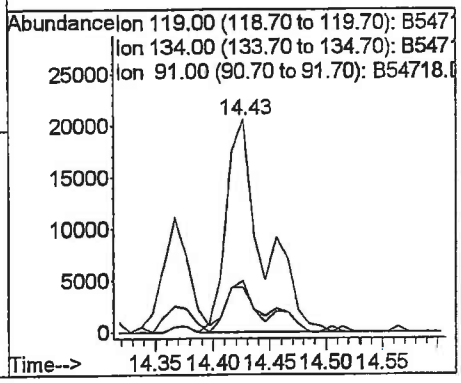
Tgt Ion:105	Resp:	351617	
Ion	Ratio	Lower	Upper
105	100		
120	44.1	31.5	58.5





#86
p-isopropyltoluene
Concen: 2.13 ppb
RT: 14.43 min Scan# 1030
Delta R.T. -0.04 min
Lab File: B54718.D
Acq: 23 Dec 2008 17:37

Tgt Ion:119	Resp:	46552	
Ion	Ratio	Lower	Upper
119	100		
134	23.9	15.9	29.5
91	20.9	15.0	27.8



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54722.D
Acq On : 23 Dec 2008 19:07
Sample : 0812200-4 500X
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Dec 23 19:59 2008

Vial: 25
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.18	96	1218227	50.00	ppb	-0.01
53) chlorobenzene-d5	12.87	117	821262	50.00	ppb	-0.01
74) 1,4-dichlorobenzene-d4	14.65	152	309121	50.00	ppb	0.00
System Monitoring Compounds						
34) dibromofluoromethane	9.34	113	352487	47.62	ppb	-0.01
Spiked Amount 50.000	Range 79 - 120		Recovery = 95.24%			
39) 1,2-dichloroethane-d4	9.92	65	267464	45.45	ppb	-0.01
Spiked Amount 50.000	Range 62 - 139		Recovery = 90.90%			
54) toluene-d8	11.58	100	694258	51.17	ppb	-0.01
Spiked Amount 50.000	Range 83 - 120		Recovery = 102.34%			
73) 4-bromofluorobenzene	13.79	174	270922	54.61	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 109.22%			
Target Compounds						Qvalue
12) acetone	7.40	58	5093	Below Cal	#	12
31) methacrylonitrile	9.67	41	143046	14.38	ppb #	30
37) 1,1-dichloropropene	9.81	75	15904	1.74	ppb #	1
41) benzene	9.80	78	954538	37.01	ppb	95
52) 4-methyl-2-pentanone	11.86	43	79620	12.83	ppb #	55
55) toluene	11.63	91	2001515	81.57	ppb	98
58) 1,1,2-trichloroethane	12.13	83	84416	17.62	ppb #	7
64) 1-chlorohexane	12.87	91	122157	13.69	ppb #	32
66) ethylbenzene	12.87	91	122157	4.59	ppb	99
68) m,p-xylene	12.97	106	593979	58.04	ppb	100
69) o-xylene	13.31	106	82380	7.95	ppb	98
80) 1,3,5-trimethylbenzene	13.96	105	193841	8.94	ppb	98
84) 1,2,4-trimethylbenzene	14.28	105	183872	8.55	ppb	95

m 12/24/08

(#) = qualifier out of range (m) = manual integration
B54722.D 111408S.M Wed Dec 24 08:04:28 2008

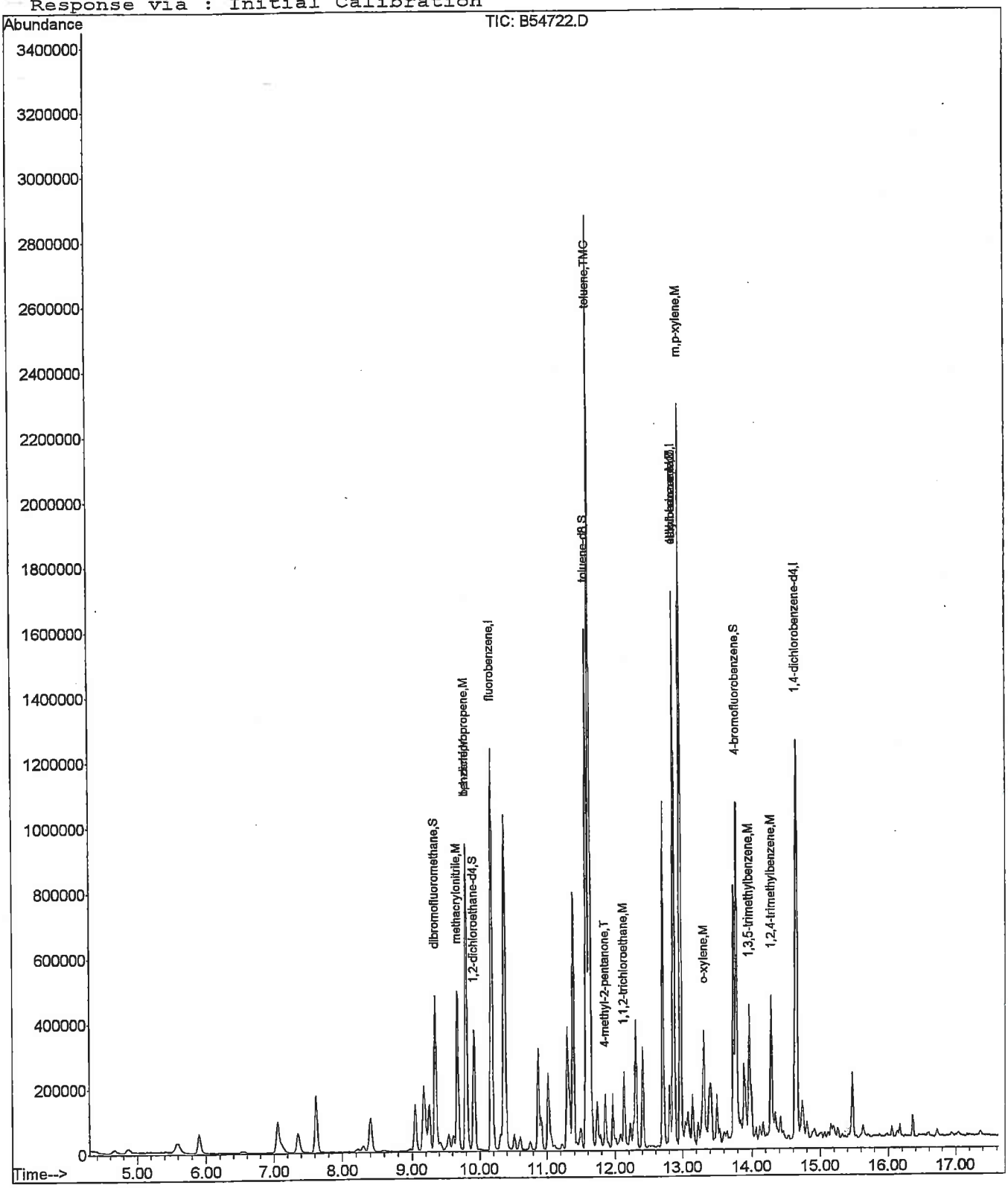
Quantitation Report

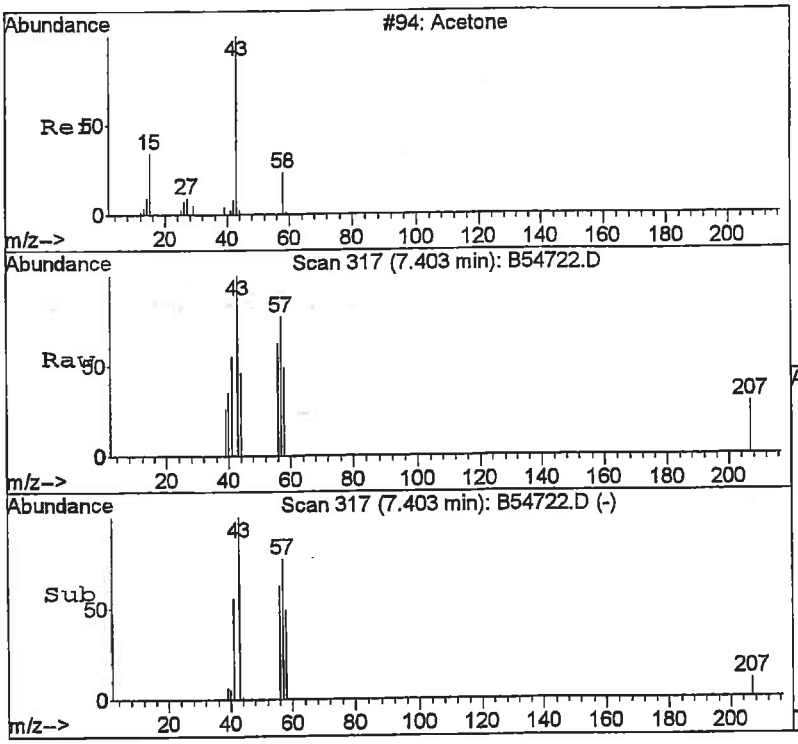
Data File : C:\HPCHEM\1\DATA\122308\B54722.D
Acq On : 23 Dec 2008 19:07
Sample : 0812200-4 500X
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Dec 23 19:59 2008

Vial: 25
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration

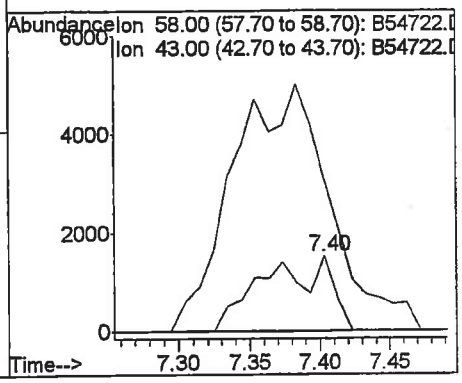


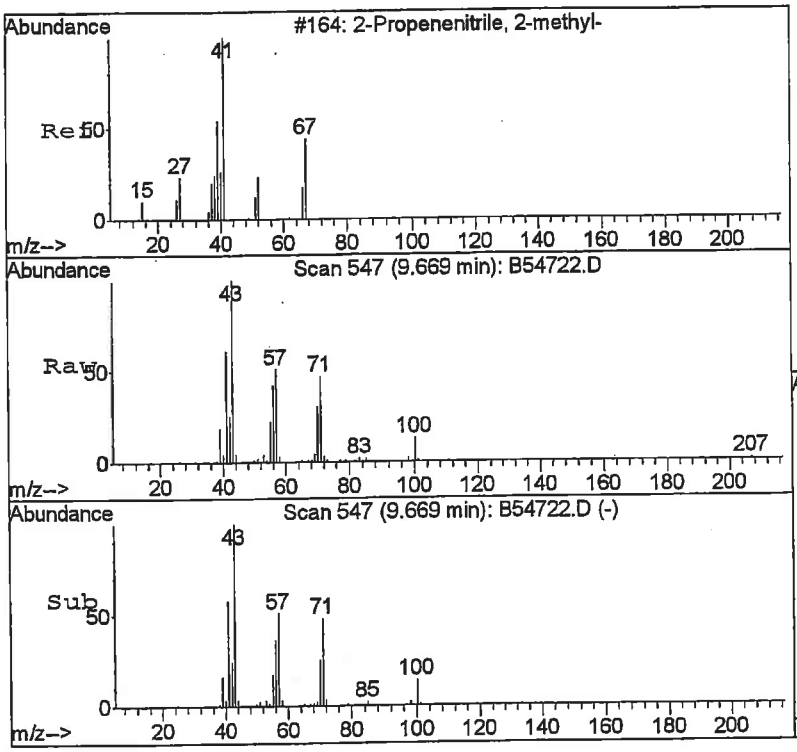


#12
acetone
Concen: Below Cal
RT: 7.40 min Scan# 317
Delta R.T. -0.00 min
Lab File: B54722.D
Acq: 23 Dec 2008 19:07

Tgt Ion: 58 Resp: 5093

Ion	Ratio	Lower	Upper
58	100		
43	153.6	238.1	442.1#

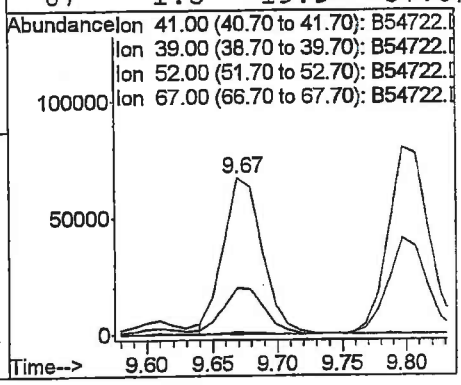


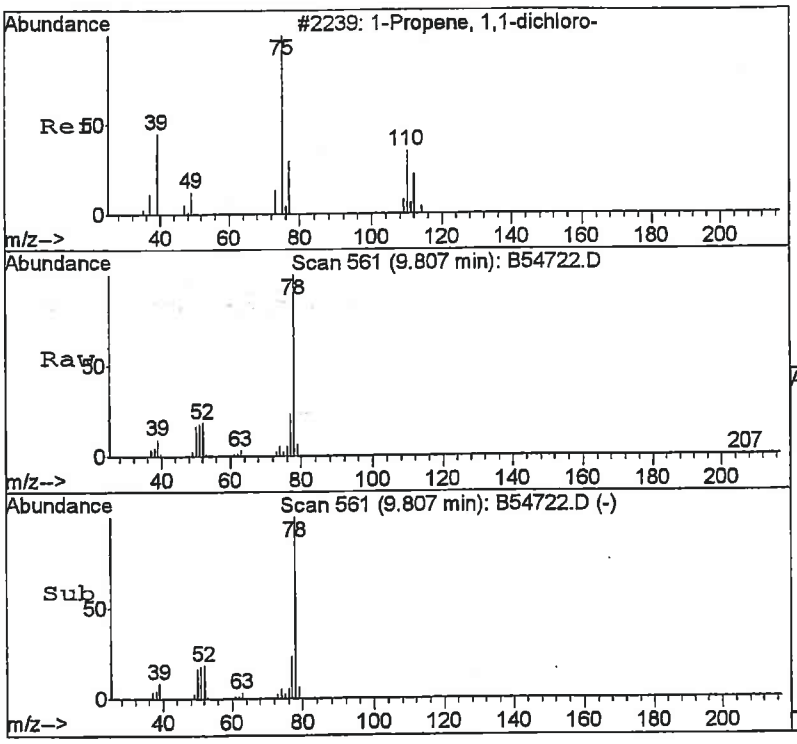


#31
methacrylonitrile
Concen: 14.38 ppb
RT: 9.67 min Scan# 547
Delta R.T. -0.15 min
Lab File: B54722.D
Acq: 23 Dec 2008 19:07

Tgt Ion: 41 Resp: 143046

Ion	Ratio	Lower	Upper
41	100		
39	27.0	49.8	92.6#
52	0.0	56.1	104.1#
67	1.5	19.9	37.0#

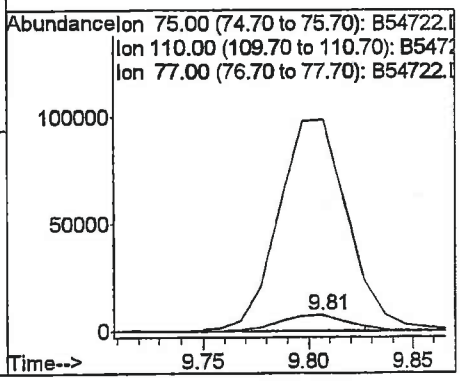


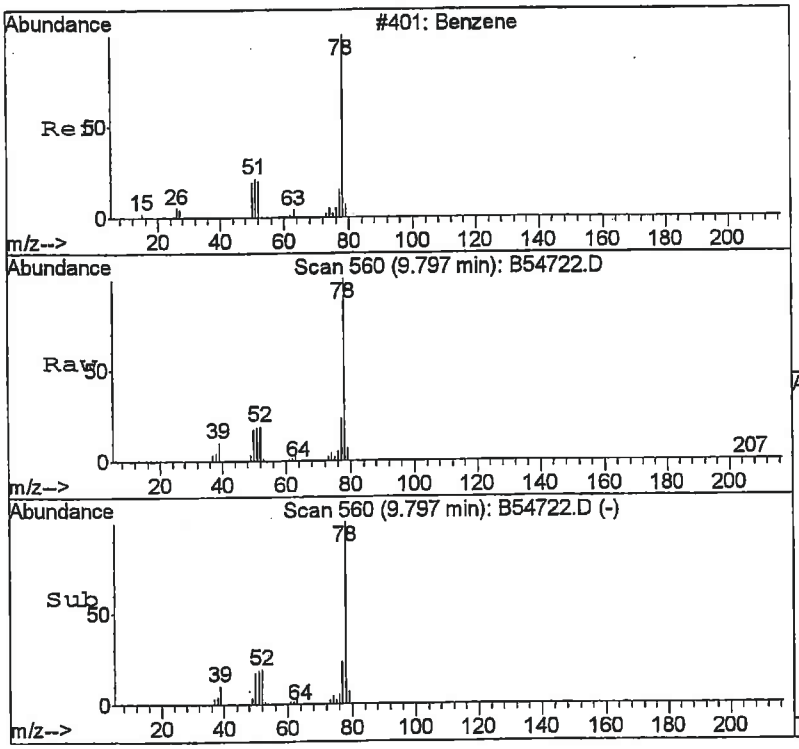


#37
1,1-dichloropropene
Concen: 1.74 ppb
RT: 9.81 min Scan# 561
Delta R.T. 0.24 min
Lab File: B54722.D
Acq: 23 Dec 2008 19:07

Tgt Ion: 75 Resp: 15904

Ion	Ratio	Lower	Upper
75	100		
110	0.0	26.7	49.7#
77	1345.7	21.7	40.3#

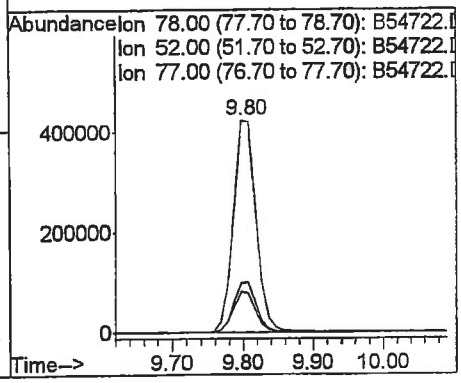


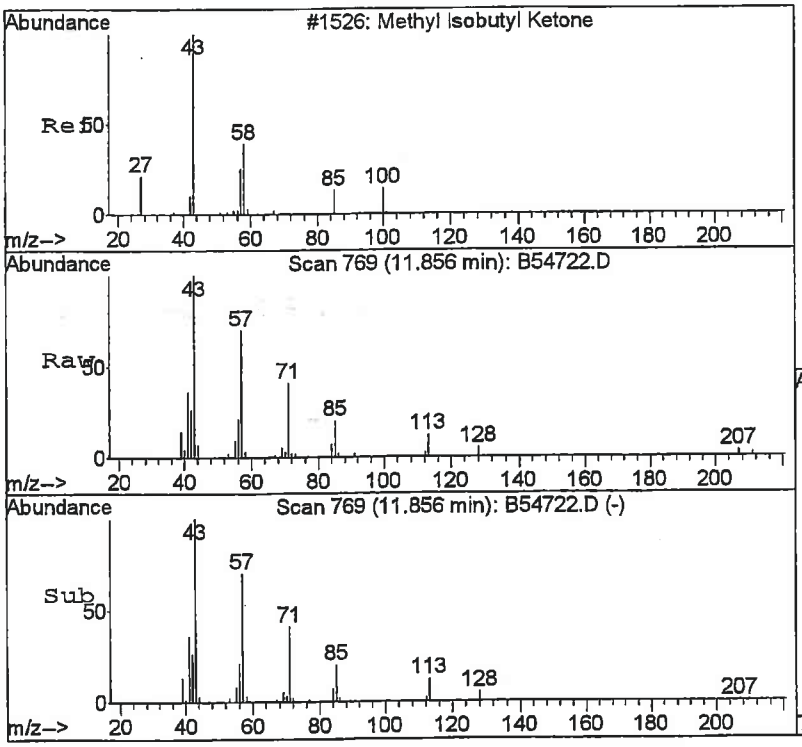


#41
benzene
Concen: 37.01 ppb
RT: 9.80 min Scan# 560
Delta R.T. -0.02 min
Lab File: B54722.D
Acq: 23 Dec 2008 19:07

Tgt Ion: 78 Resp: 954538

Ion	Ratio	Lower	Upper
78	100		
52	18.9	16.4	30.4
77	23.1	16.4	30.4

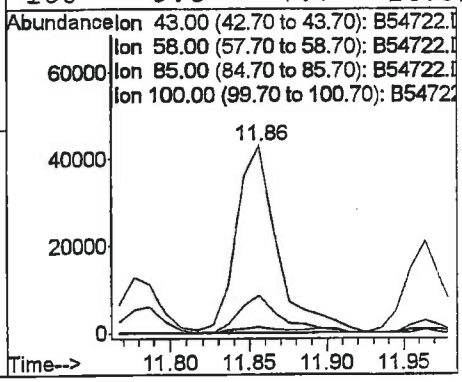


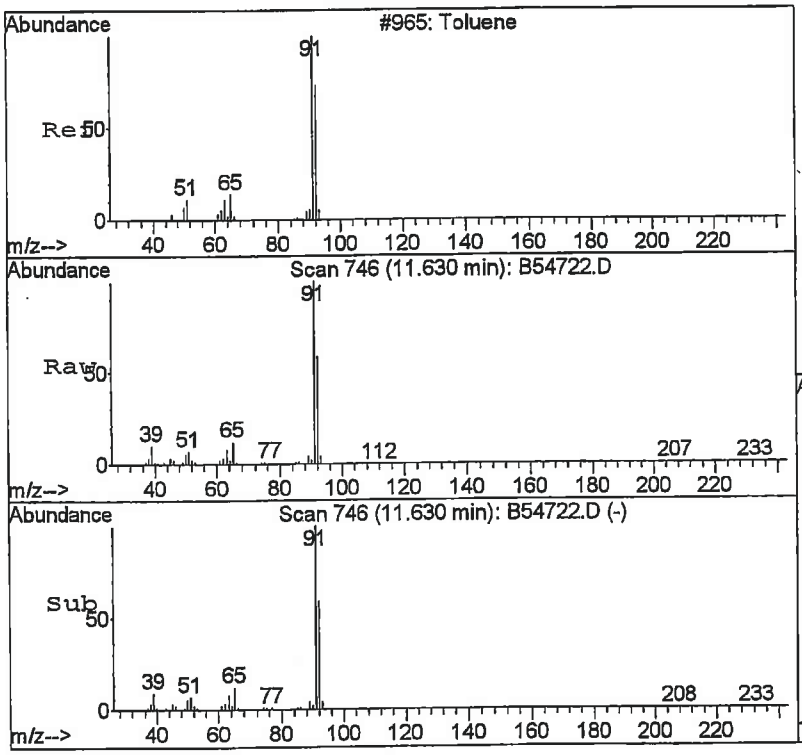


#52
4-methyl-2-pentanone
Concen: 12.83 ppb
RT: 11.86 min Scan# 769
Delta R.T. -0.04 min
Lab File: B54722.D
Acq: 23 Dec 2008 19:07

Tgt Ion: 43 Resp: 79620

Ion	Ratio	Lower	Upper
43	100		
58	3.2	26.3	48.9#
85	20.2	8.7	16.1#
100	0.0	7.7	14.3#

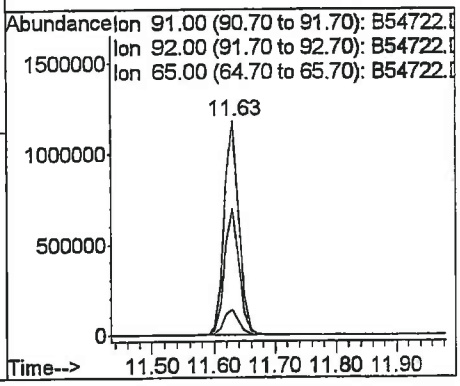


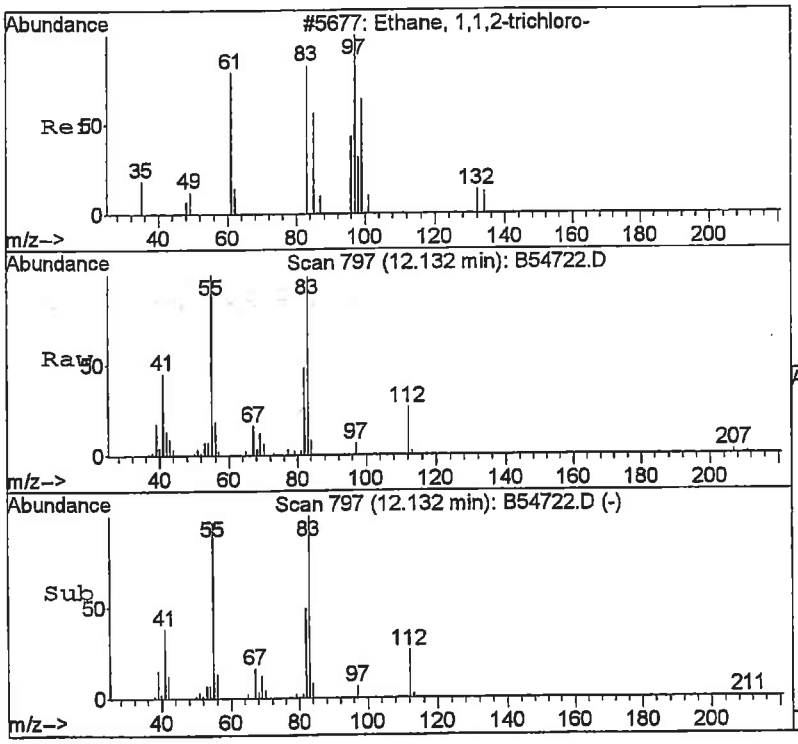


#55
toluene
Concen: 81.57 ppb
RT: 11.63 min Scan# 746
Delta R.T. -0.01 min
Lab File: B54722.D
Acq: 23 Dec 2008 19:07

Tgt Ion: 91 Resp: 2001515

Ion	Ratio	Lower	Upper
91	100		
92	58.9	42.3	78.5
65	11.7	8.1	15.1

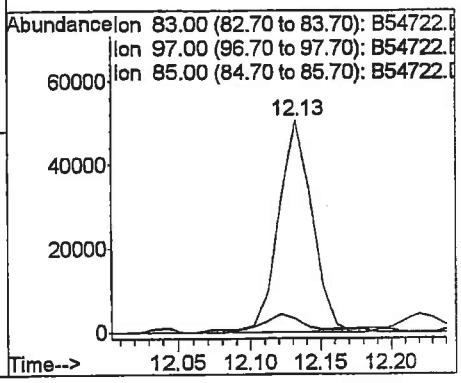


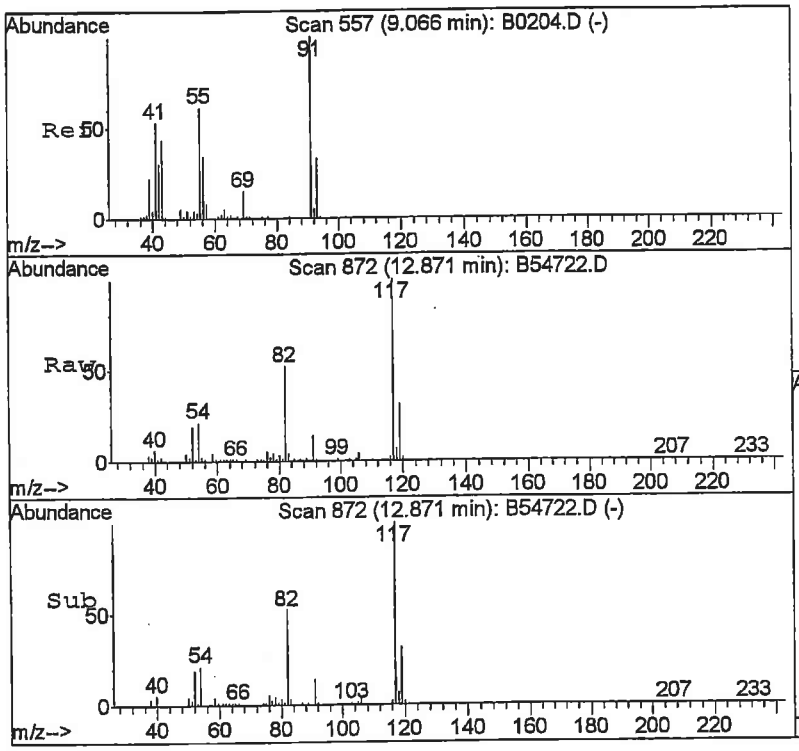


#58
1,1,2-trichloroethane
Concen: 17.62 ppb
RT: 12.13 min Scan# 797
Delta R.T. 0.04 min
Lab File: B54722.D
Acq: 23 Dec 2008 19:07

Tgt Ion: 83 Resp: 84416

Ion	Ratio	Lower	Upper
83	100		
97	6.1	79.0	146.6#
85	0.0	45.4	84.4#

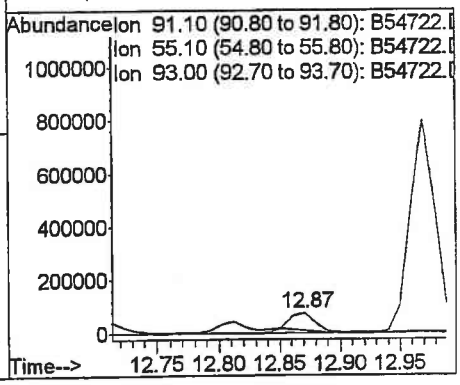


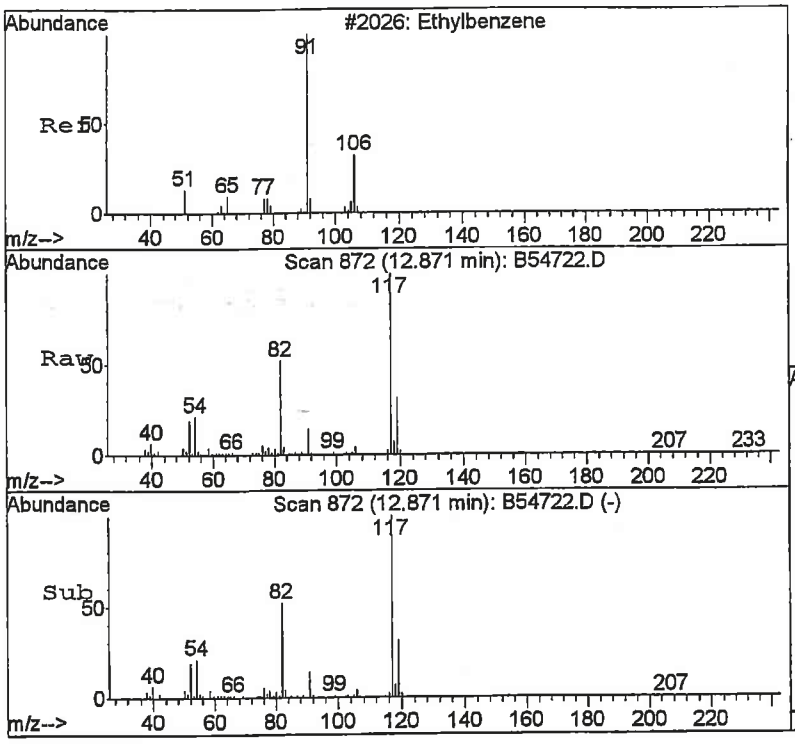


#64
1-chlorohexane
Concen: 13.69 ppb
RT: 12.87 min Scan# 872
Delta R.T. 0.06 min
Lab File: B54722.D
Acq: 23 Dec 2008 19:07

Tgt Ion: 91 Resp: 122157

Ion	Ratio	Lower	Upper
91	100		
55	9.3	47.5	88.1#
93	0.0	22.7	42.1#

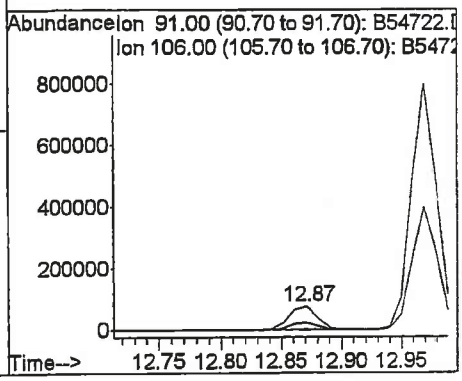


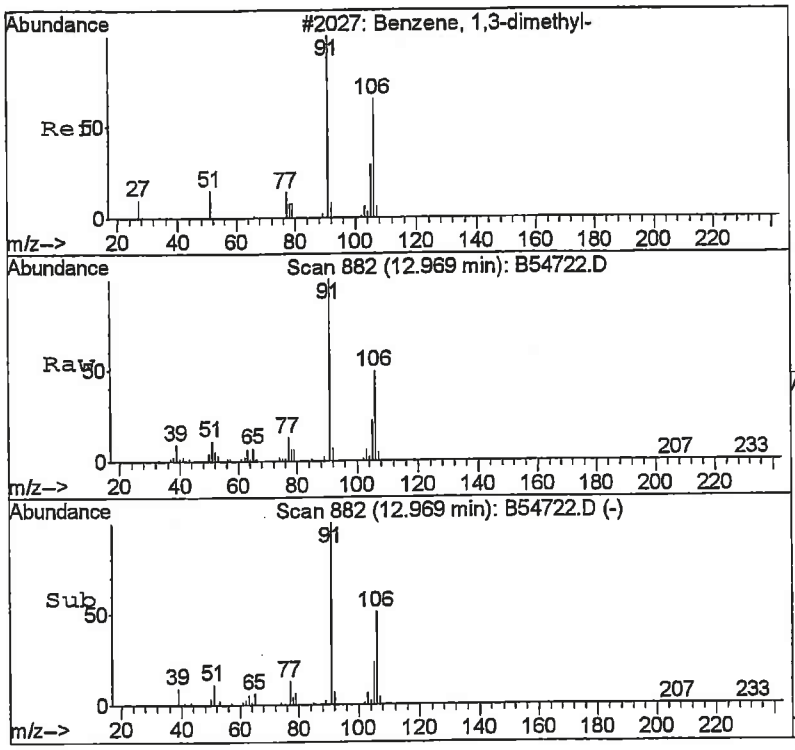


#66
ethylbenzene
Concen: 4.59 ppb
RT: 12.87 min Scan# 872
Delta R.T. -0.00 min
Lab File: B54722.D
Acq: 23 Dec 2008 19:07

Tgt Ion: 91 Resp: 122157

Ion	Ratio	Lower	Upper
91	100		
106	30.6	21.0	39.0

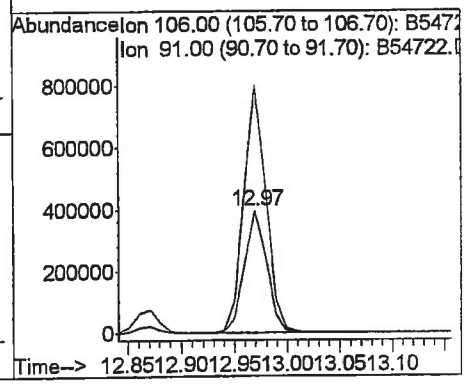


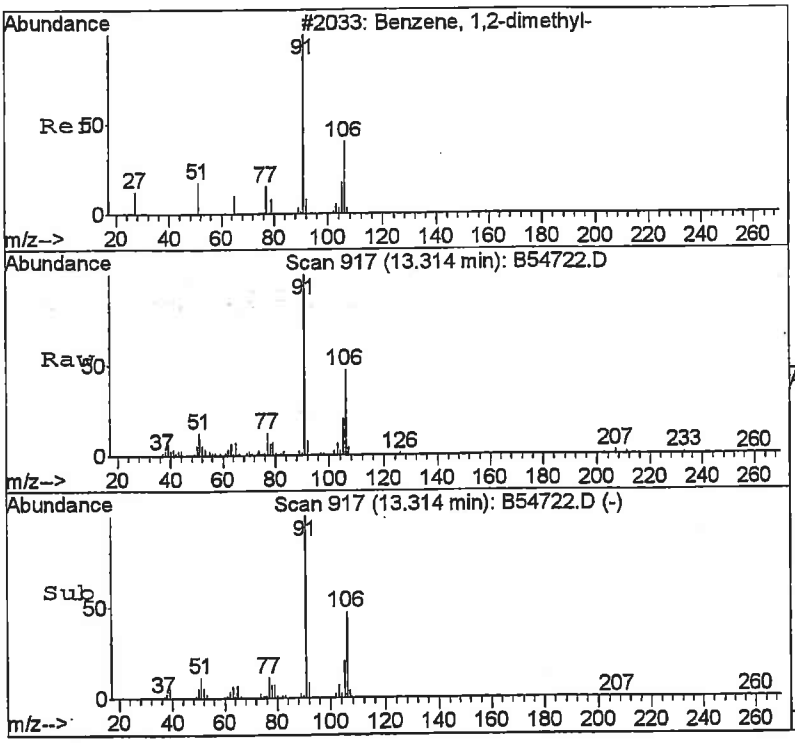


#68
m,p-xylene
Concen: 58.04 ppb
RT: 12.97 min Scan# 882
Delta R.T. -0.01 min
Lab File: B54722.D
Acq: 23 Dec 2008 19:07

Tgt Ion:106 Resp: 593979

Ion	Ratio	Lower	Upper
106	100		
91	201.9	140.8	261.6

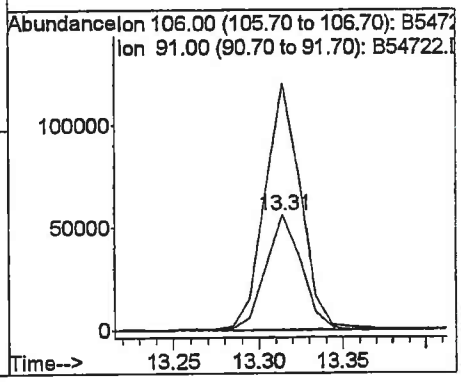


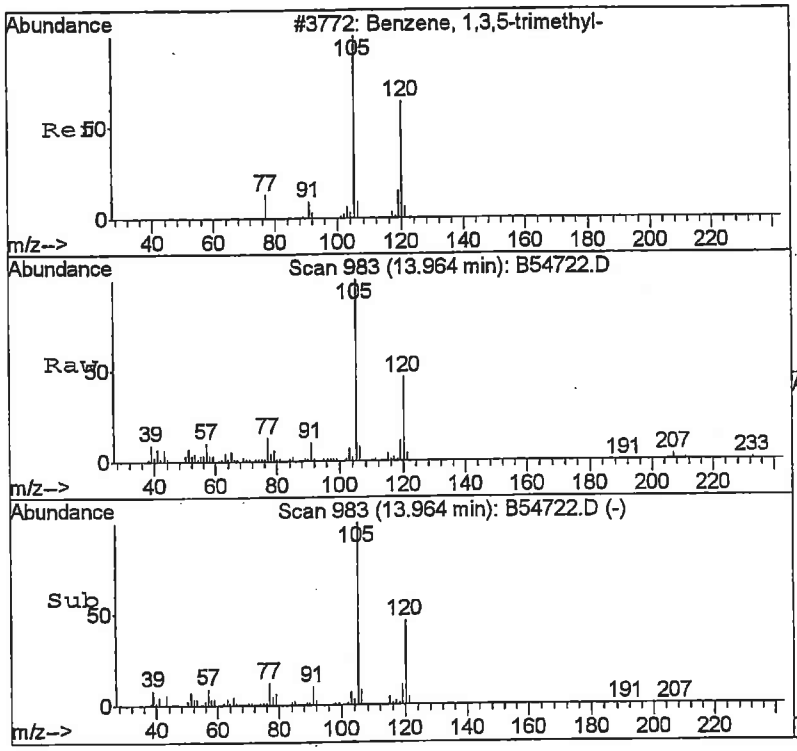


#69
o-xylene
Concen: 7.95 ppb
RT: 13.31 min Scan# 917
Delta R.T. -0.01 min
Lab File: B54722.D
Acq: 23 Dec 2008 19:07

Tgt Ion:106 Resp: 82380

Ion	Ratio	Lower	Upper
106	100		
91	213.3	147.3	273.5

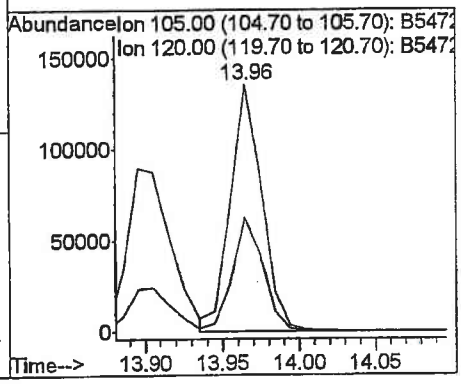


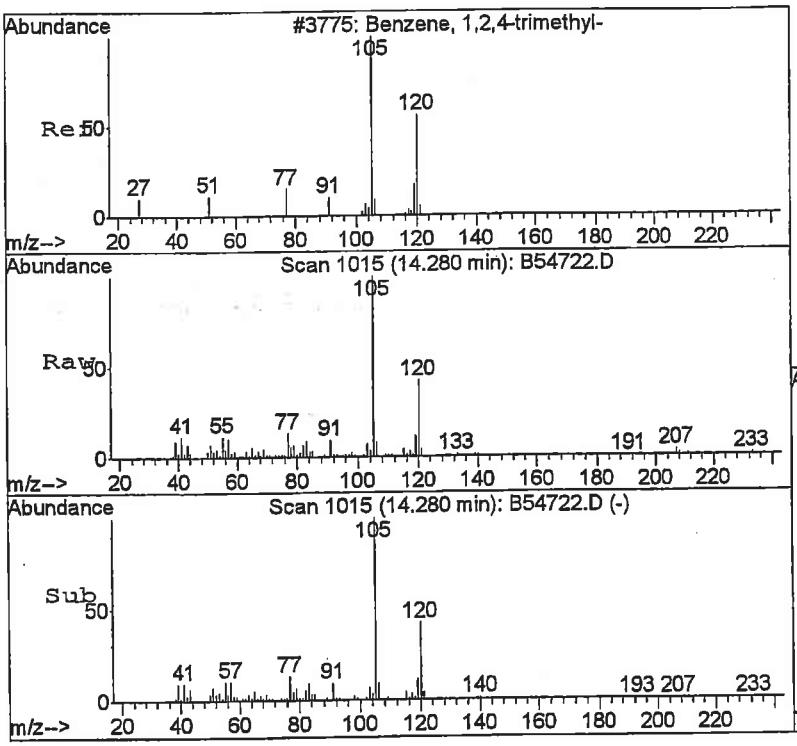


#80
1,3,5-trimethylbenzene
Concen: 8.94 ppb
RT: 13.96 min Scan# 983
Delta R.T. -0.01 min
Lab File: B54722.D
Acq: 23 Dec 2008 19:07

Tgt Ion:105 Resp: 193841

Ion	Ratio	Lower	Upper
105	100		
120	45.9	32.8	61.0

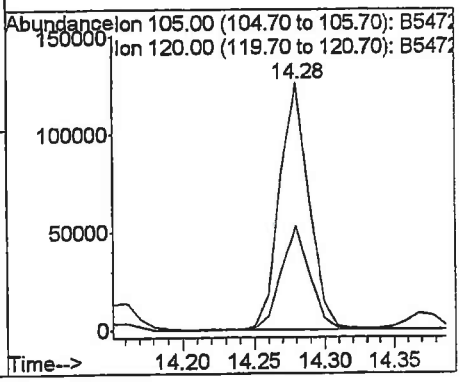




#84
1,2,4-trimethylbenzene
Concen: 8.55 ppb
RT: 14.28 min Scan# 1015
Delta R.T. -0.01 min
Lab File: B54722.D
Acq: 23 Dec 2008 19:07

Tgt Ion:105 Resp: 183872

Ion	Ratio	Lower	Upper
105	100		
120	41.9	31.5	58.5



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54724.D
Acq On : 23 Dec 2008 19:52
Sample : 0812200-9 1000X
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Dec 24 8:01 2008

Vial: 27
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.18	96	1232136	50.00	ppb	-0.02
53) chlorobenzene-d5	12.88	117	847369	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.65	152	310016	50.00	ppb	0.00
System Monitoring Compounds						
34) dibromofluoromethane	9.35	113	358049	47.83	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 95.66%			
39) 1,2-dichloroethane-d4	9.92	65	274113	46.05	ppb	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 92.10%			
54) toluene-d8	11.58	100	708208	50.59	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 101.18%			
73) 4-bromofluorobenzene	13.78	174	276243	53.97	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 107.94%			
Target Compounds						Qvalue
12) acetone	7.36	58	7697	Below Cal		56
26) 2-butanone	9.50	43	22899	7.59	ppb #	63
41) benzene	9.80	78	658377	25.24	ppb	95
52) 4-methyl-2-pentanone	11.85	43	124862	19.89	ppb #	55
55) toluene	11.62	91	1953841	77.18	ppb	99
58) 1,1,2-trichloroethane	12.13	83	137402	27.80	ppb #	9
64) 1-chlorohexane	12.87	91	146382	15.89	ppb #	33
66) ethylbenzene	12.87	91	146382	5.33	ppb	99
68) m,p-xylene	12.97	106	743177	70.38	ppb	96
69) o-xylene	13.32	106	102115	9.55	ppb	95
77) trans-1,4-dichloro-2-buten	14.05	53	3642	2.35	ppb #	1
80) 1,3,5-trimethylbenzene	13.97	105	251942	11.58	ppb	99
84) 1,2,4-trimethylbenzene	14.27	105	261310	12.12	ppb	93

m 12/24/08

(#) = qualifier out of range (m) = manual integration
B54724.D 111408S.M Wed Dec 24 08:04:54 2008

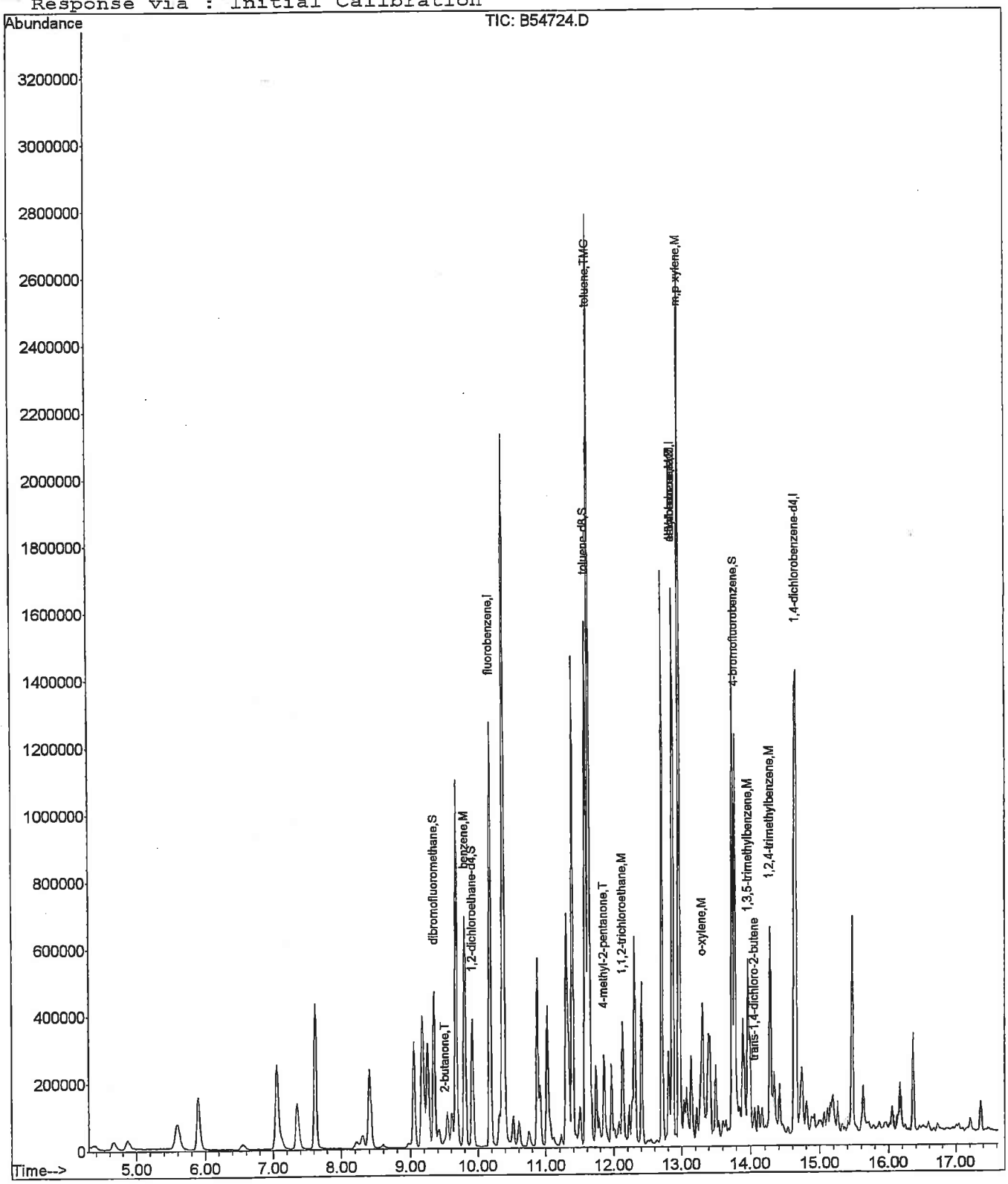
Quantitation Report

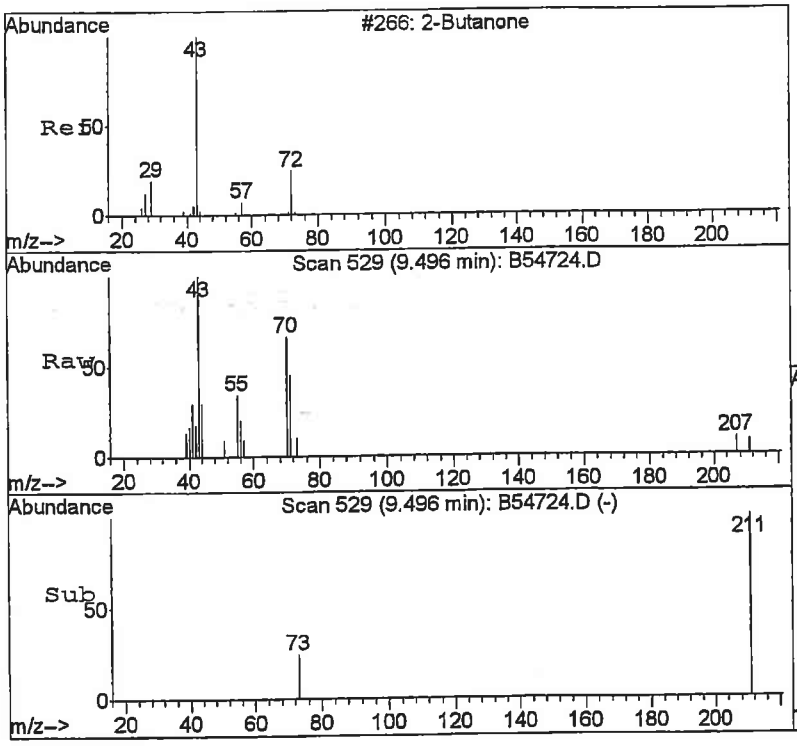
Data File : C:\HPCHEM\1\DATA\122308\B54724.D
Acq On : 23 Dec 2008 19:52
Sample : 0812200-9 1000X
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Dec 24 8:01 2008

Vial: 27
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration

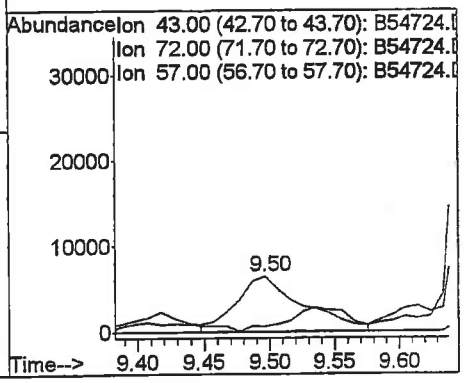


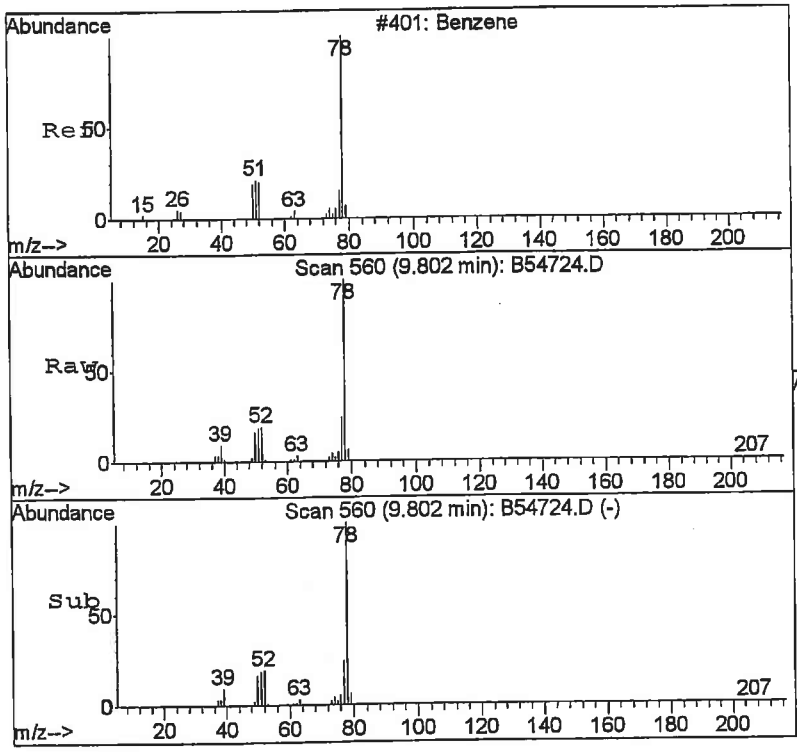


#26
2-butanone
Concen: 7.59 ppb
RT: 9.50 min Scan# 529
Delta R.T. 0.03 min
Lab File: B54724.D
Acq: 23 Dec 2008 19:52

Tgt Ion: 43 Resp: 22899

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.0	26.0#
57	0.0	5.0	9.4#

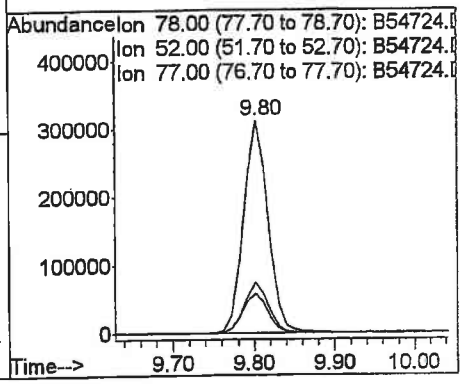


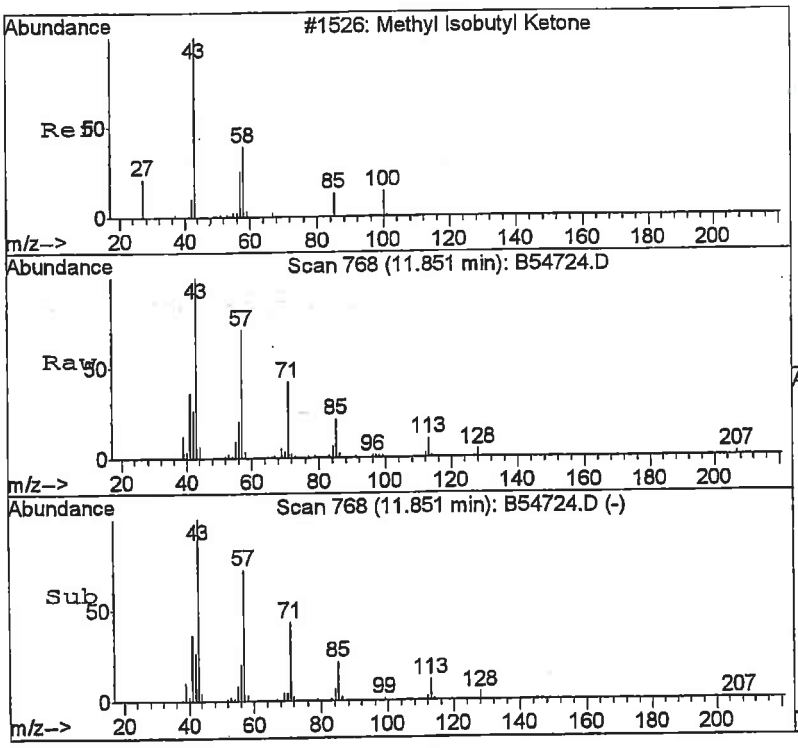


#41
benzene
Concen: 25.24 ppb
RT: 9.80 min Scan# 560
Delta R.T. -0.02 min
Lab File: B54724.D
Acq: 23 Dec 2008 19:52

Tgt Ion: 78 Resp: 658377

Ion	Ratio	Lower	Upper
78	100		
52	18.5	16.4	30.4
77	23.8	16.4	30.4

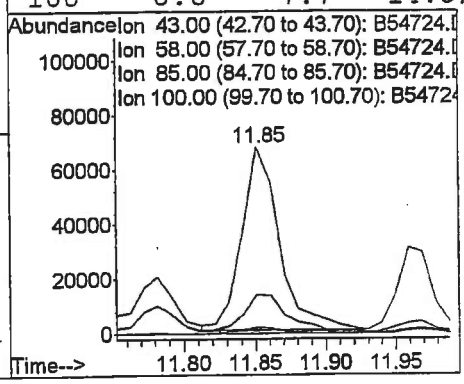


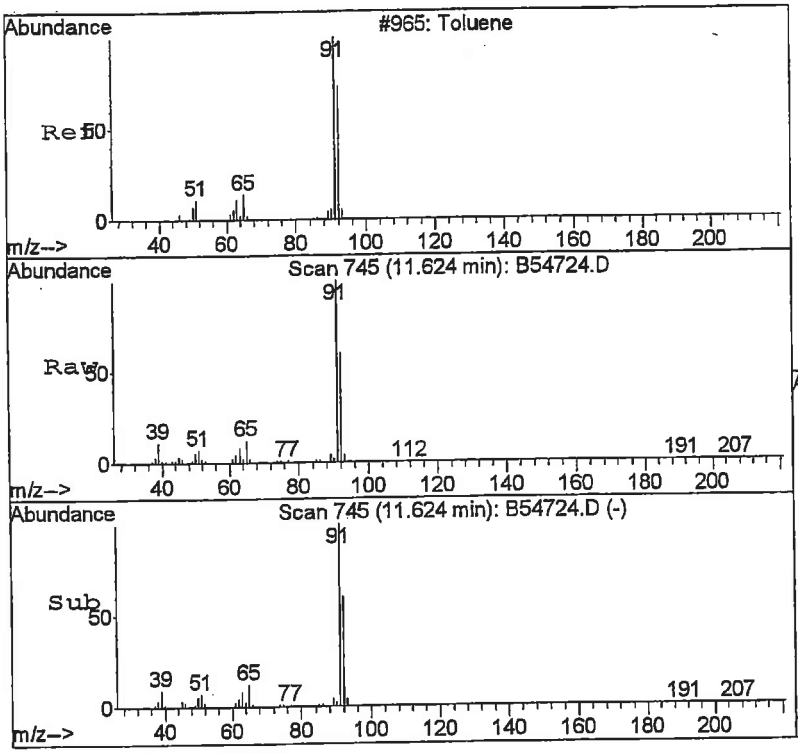


#52
4-methyl-2-pentanone
Concen: 19.89 ppb
RT: 11.85 min Scan# 768
Delta R.T. -0.05 min
Lab File: B54724.D
Acq: 23 Dec 2008 19:52

Tgt Ion: 43 Resp: 124862

Ion	Ratio	Lower	Upper
43	100		
58	3.1	26.3	48.9#
85	20.1	8.7	16.1#
100	0.0	7.7	14.3#

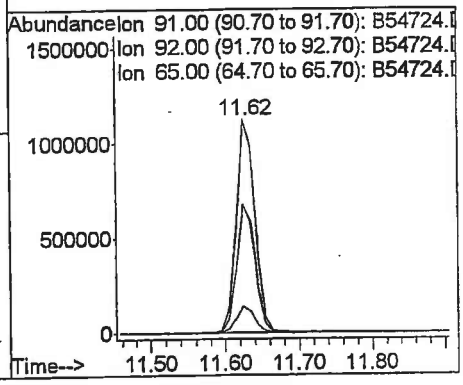


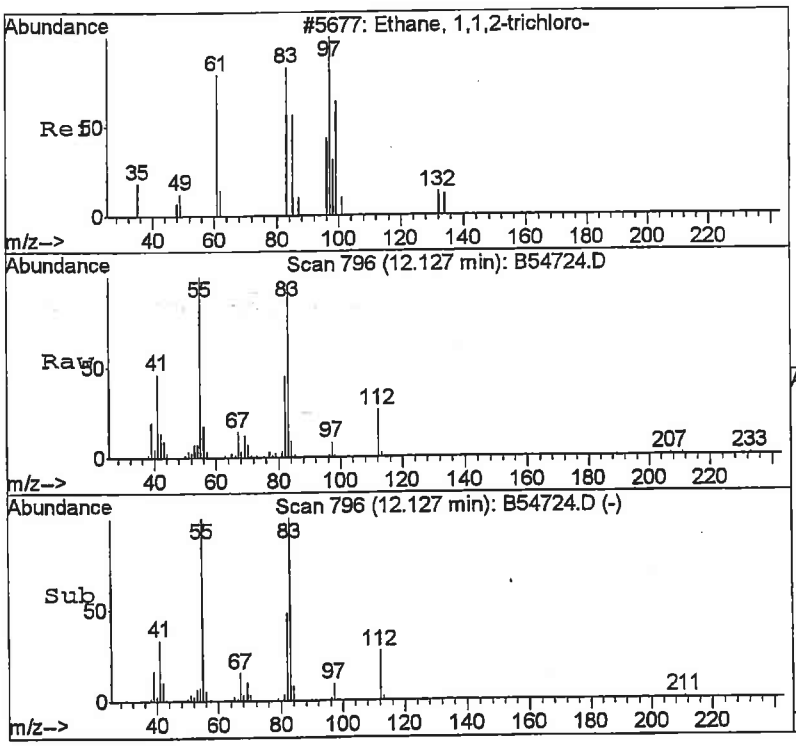


#55
toluene
Concen: 77.18 ppb
RT: 11.62 min Scan# 745
Delta R.T. -0.02 min
Lab File: B54724.D
Acq: 23 Dec 2008 19:52

Tgt Ion: 91 Resp: 1953841

Ion	Ratio	Lower	Upper
91	100		
92	60.0	42.3	78.5
65	12.3	8.1	15.1

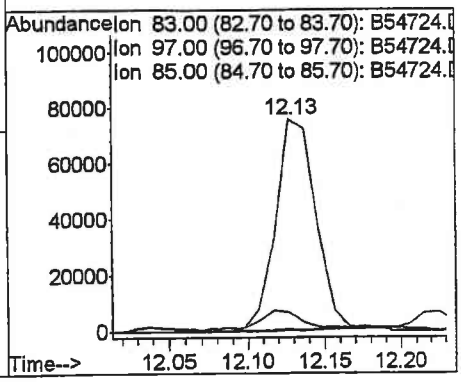


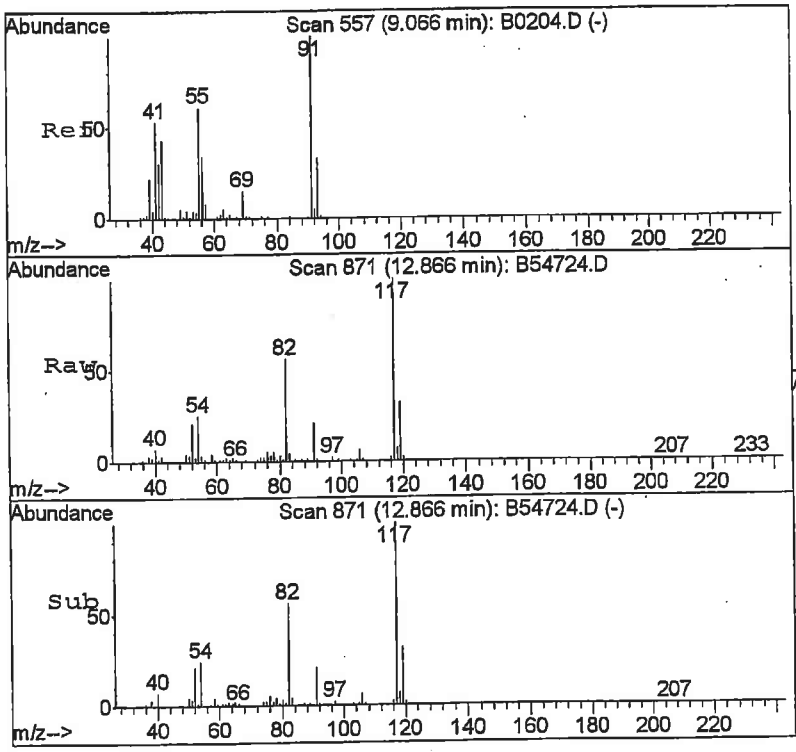


#58
1,1,2-trichloroethane
Concen: 27.80 ppb
RT: 12.13 min Scan# 796
Delta R.T. 0.03 min
Lab File: B54724.D
Acq: 23 Dec 2008 19:52

Tgt Ion: 83 Resp: 137402

Ion	Ratio	Lower	Upper
83	100		
97	8.8	79.0	146.6#
85	1.0	45.4	84.4#

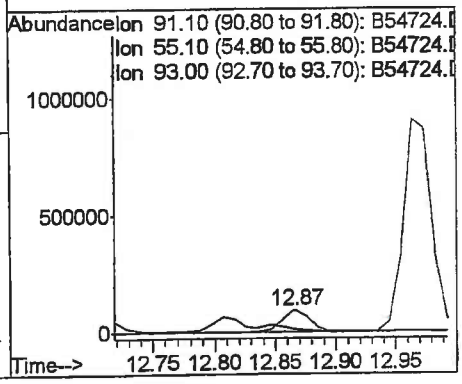


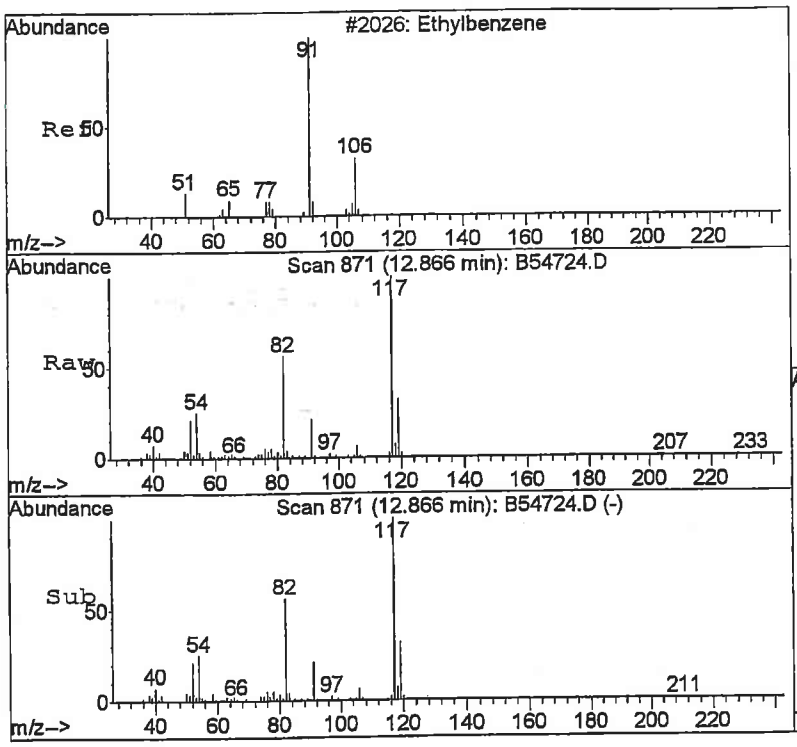


#64
1-chlorohexane
Concen: 15.89 ppb
RT: 12.87 min Scan# 871
Delta R.T. 0.05 min
Lab File: B54724.D
Acq: 23 Dec 2008 19:52

Tgt Ion: 91 Resp: 146382

Ion	Ratio	Lower	Upper
91	100		
55	10.4	47.5	88.1#
93	0.0	22.7	42.1#

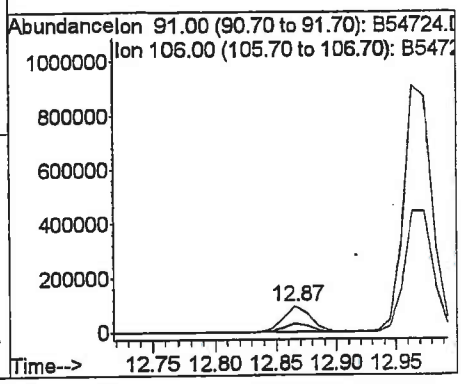


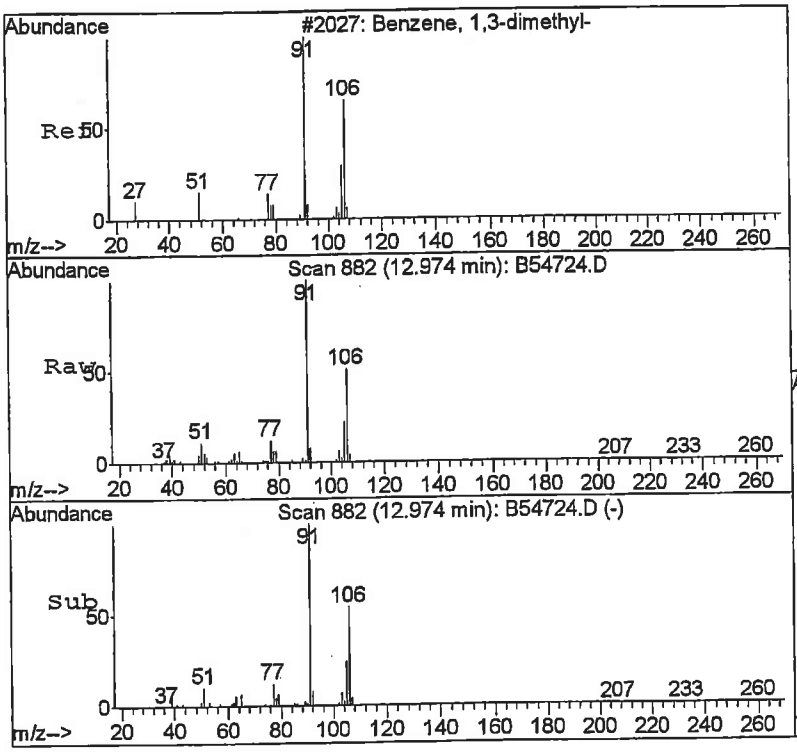


#66
ethylbenzene
Concen: 5.33 ppb
RT: 12.87 min Scan# 871
Delta R.T. -0.01 min
Lab File: B54724.D
Acq: 23 Dec 2008 19:52

Tgt Ion: 91 Resp: 146382

Ion	Ratio	Lower	Upper
91	100		
106	30.5	21.0	39.0

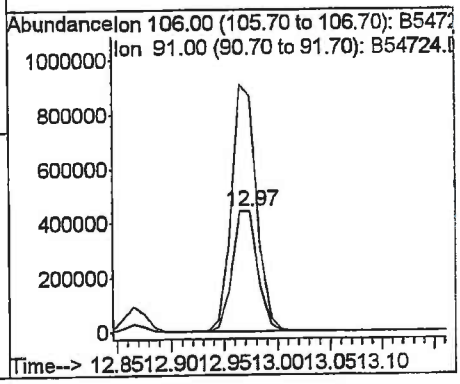


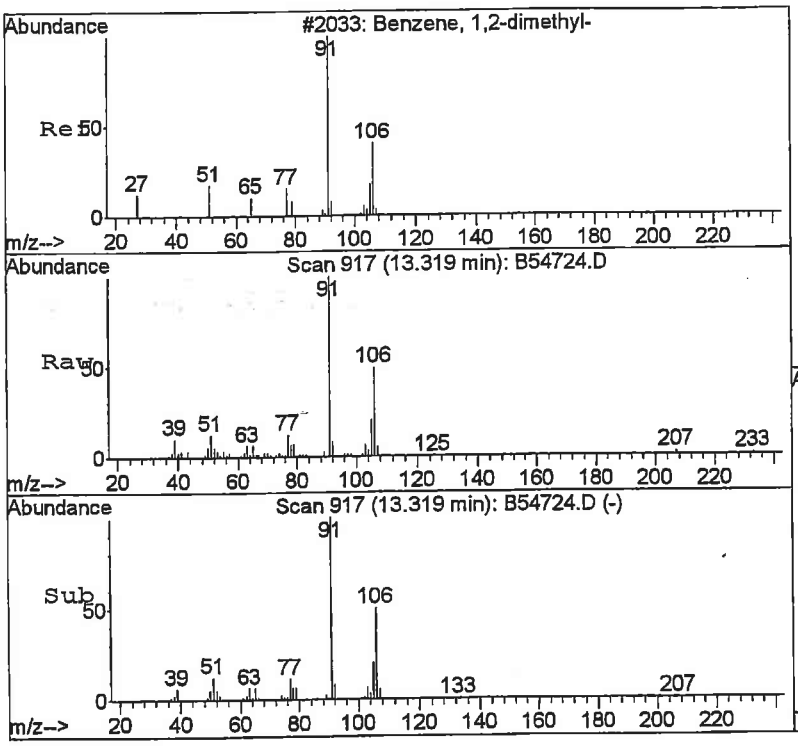


#68
m,p-xylene
Concen: 70.38 ppb
RT: 12.97 min Scan# 882
Delta R.T. -0.01 min
Lab File: B54724.D
Acq: 23 Dec 2008 19:52

Tgt Ion:106 Resp: 743177

Ion	Ratio	Lower	Upper
106	100		
91	195.8	140.8	261.6

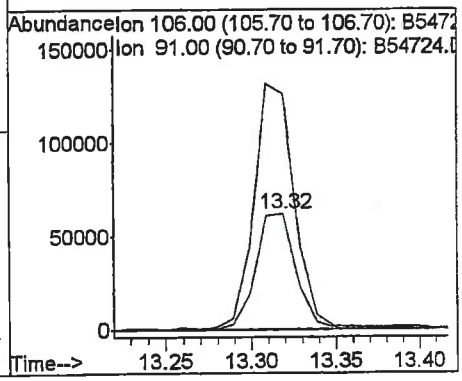


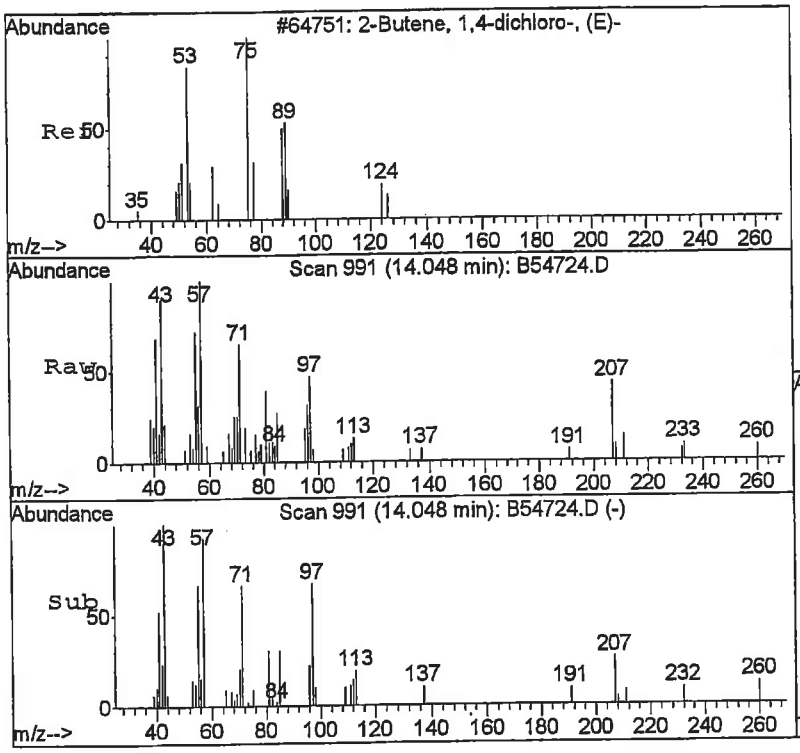


#69
o-xylene
Concen: 9.55 ppb
RT: 13.32 min Scan# 917
Delta R.T. -0.01 min
Lab File: B54724.D
Acq: 23 Dec 2008 19:52

Tgt Ion:106 Resp: 102115

Ion	Ratio	Lower	Upper
106	100		
91	202.7	147.3	273.5

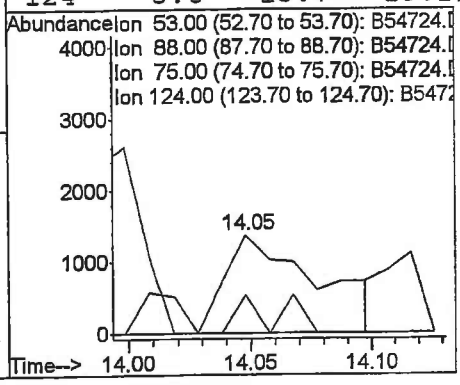


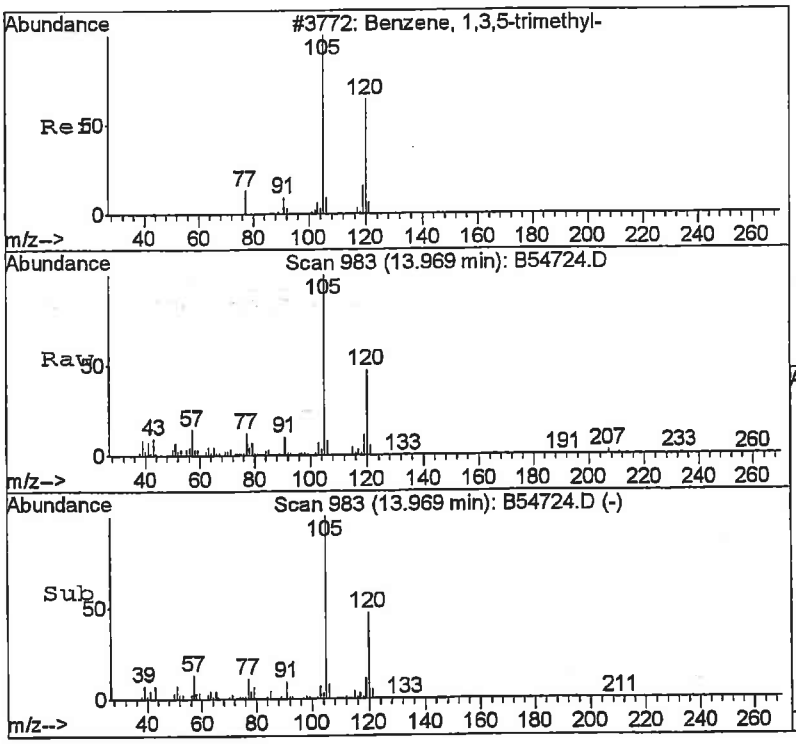


#77
trans-1,4-dichloro-2-butene
Concen: 2.35 ppb
RT: 14.05 min Scan# 991
Delta R.T. 0.02 min
Lab File: B54724.D
Acq: 23 Dec 2008 19:52

Tgt Ion: 53 Resp: 3642

Ion	Ratio	Lower	Upper
53	100		
88	0.0	30.7	57.1#
75	38.7	264.8	491.8#
124	0.0	15.7	29.1#

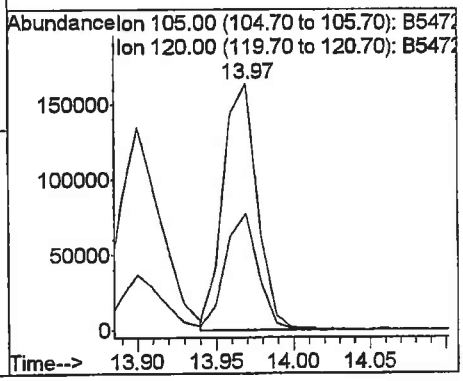


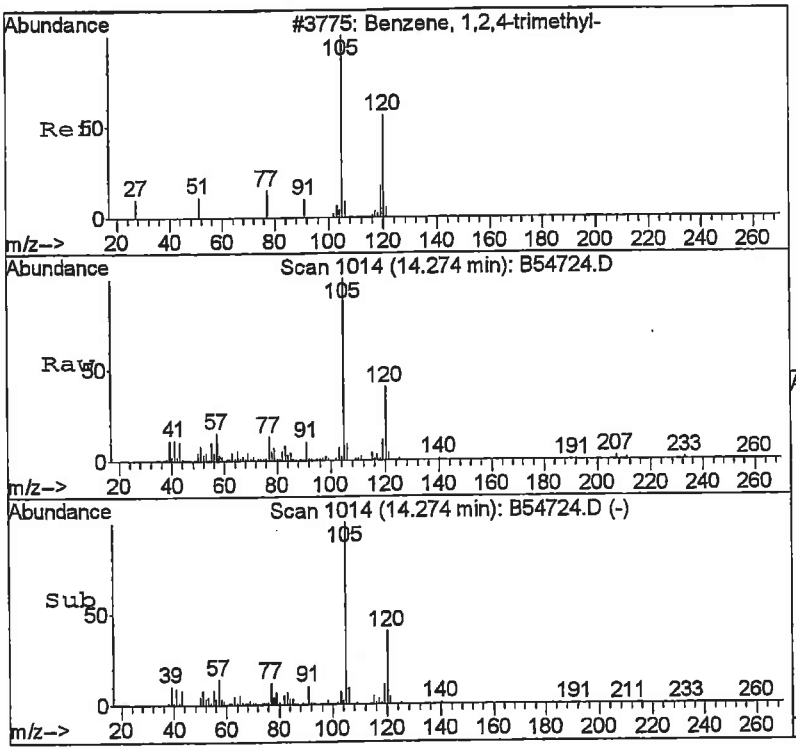


#80
1,3,5-trimethylbenzene
Concen: 11.58 ppb
RT: 13.97 min Scan# 983
Delta R.T. -0.01 min
Lab File: B54724.D
Acq: 23 Dec 2008 19:52

Tgt Ion:105 Resp: 251942

Ion	Ratio	Lower	Upper
105	100		
120	47.2	32.8	61.0

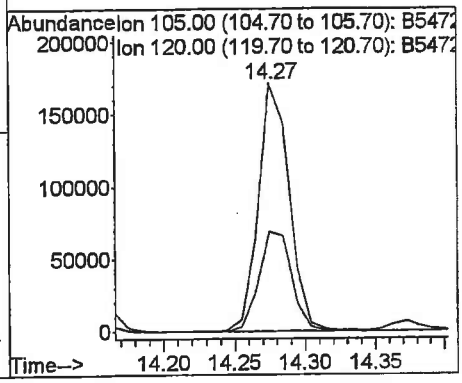




#84
1,2,4-trimethylbenzene
Concen: 12.12 ppb
RT: 14.27 min Scan# 1014
Delta R.T. -0.02 min
Lab File: B54724.D
Acq: 23 Dec 2008 19:52

Tgt Ion:105 Resp: 261310

Ion	Ratio	Lower	Upper
105	100		
120	40.4	31.5	58.5



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122908\B54768.D
Acq On : 29 Dec 2008 14:42
Sample : VL081229-2MB
Misc : 5mL heated water
MS Integration Params: rteint.p
Quant Time: Dec 29 15:01 2008

Vial: 5
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.15	96	1226674	50.00	ppb	0.00
53) chlorobenzene-d5	12.85	117	883918	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.64	152	336016	50.00	ppb	0.00
System Monitoring Compounds						
34) dibromofluoromethane	9.33	113	373793	50.15	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 100.30%			
39) 1,2-dichloroethane-d4	9.90	65	296288	50.00	ppb	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 100.00%			
54) toluene-d8	11.56	100	730396	50.02	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 100.04%			
73) 4-bromofluorobenzene	13.77	174	253477	47.47	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 94.94%			
Target Compounds						Qvalue
12) acetone	7.37	58	2589	Below Cal		54

ac 12/30/08

(#) = qualifier out of range (m) = manual integration
B54768.D 111408S.M Mon Dec 29 15:01:38 2008

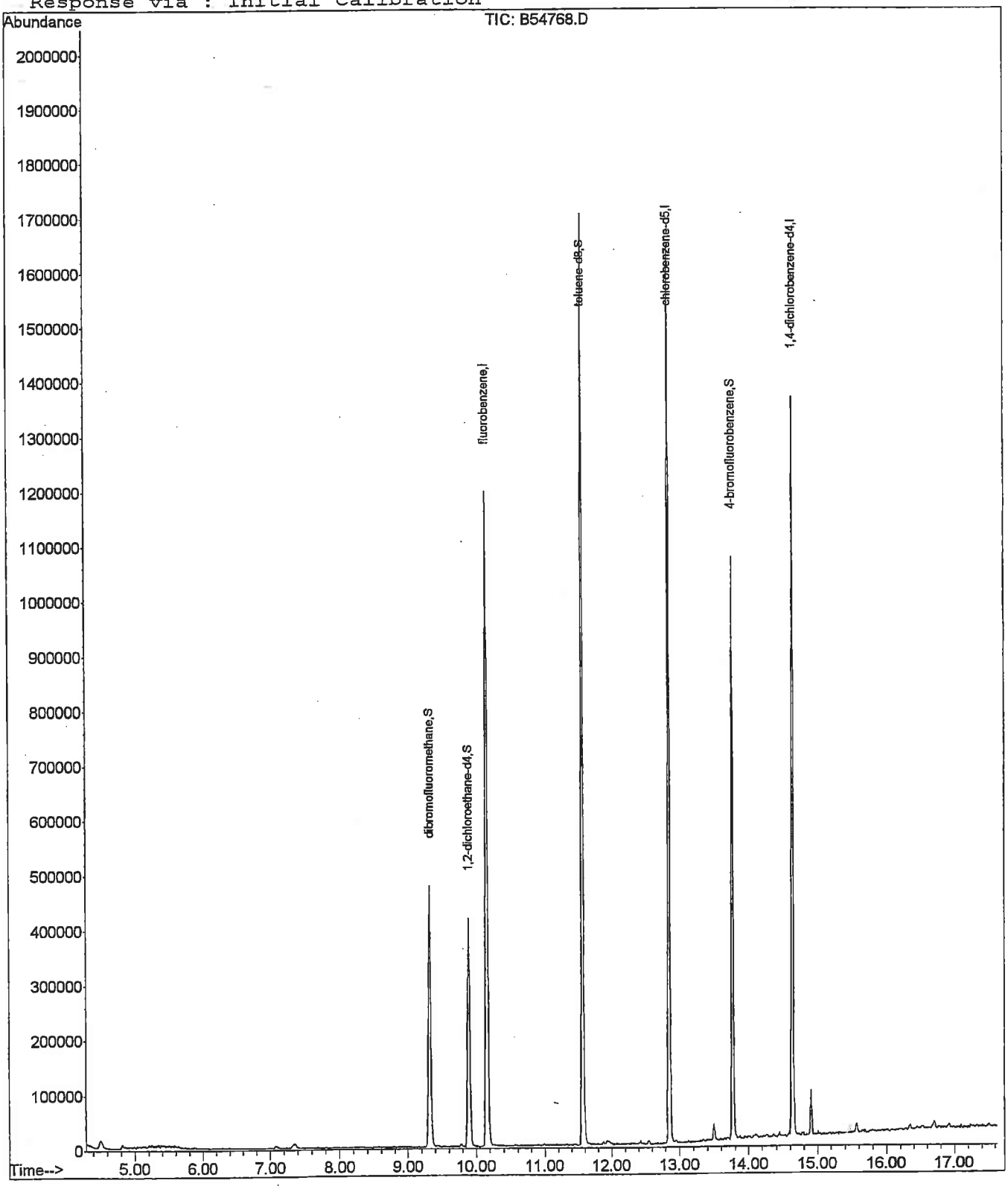
Quantitation Report

Data File : C:\HPCHEM\1\DATA\122908\B54768.D
Acq On : 29 Dec 2008 14:42
Sample : VL081229-2MB
Misc : 5mL heated water
MS Integration Params: rteint.p
Quant Time: Dec 29 15:01 2008

Vial: 5
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122908\B54769.D
Acq On : 29 Dec 2008 15:05
Sample : 0812200-12 400X
Misc : 5mL heated water - HS>pea
MS Integration Params: rteint.p
Quant Time: Dec 29 15:26 2008

Vial: 6
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.15	96	1229509	50.00	ppb		0.00
53) chlorobenzene-d5	12.85	117	900937	50.00	ppb		0.00
74) 1,4-dichlorobenzene-d4	14.64	152	340134	50.00	ppb		0.00
System Monitoring Compounds							
34) dibromofluoromethane	9.32	113	385211	51.57	ppb		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 103.14%				
39) 1,2-dichloroethane-d4	9.90	65	297554	50.10	ppb		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 100.20%				
54) toluene-d8	11.56	100	761200	51.15	ppb		0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 102.30%				
73) 4-bromofluorobenzene	13.77	174	263458	48.41	ppb		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 96.82%				
Target Compounds							Qvalue
8) ethanol	6.39	45	16040	183.60	ppb	#	85
12) acetone	7.36	58	6843	Below Cal			95
41) benzene	9.78	78	1276207	49.03	ppb		94
52) 4-methyl-2-pentanone	11.84	43	71315	11.38	ppb	#	56
55) toluene	11.61	91	2938075	109.16	ppb		99
66) ethylbenzene	12.85	91	160599	5.50	ppb		100
68) m,p-xylene	12.95	106	801002	71.34	ppb		95
69) o-xylene	13.30	106	121384	10.68	ppb		97
80) 1,3,5-trimethylbenzene	13.95	105	204666	8.57	ppb		99
84) 1,2,4-trimethylbenzene	14.26	105	235807	9.97	ppb		99

mm 12/30/08

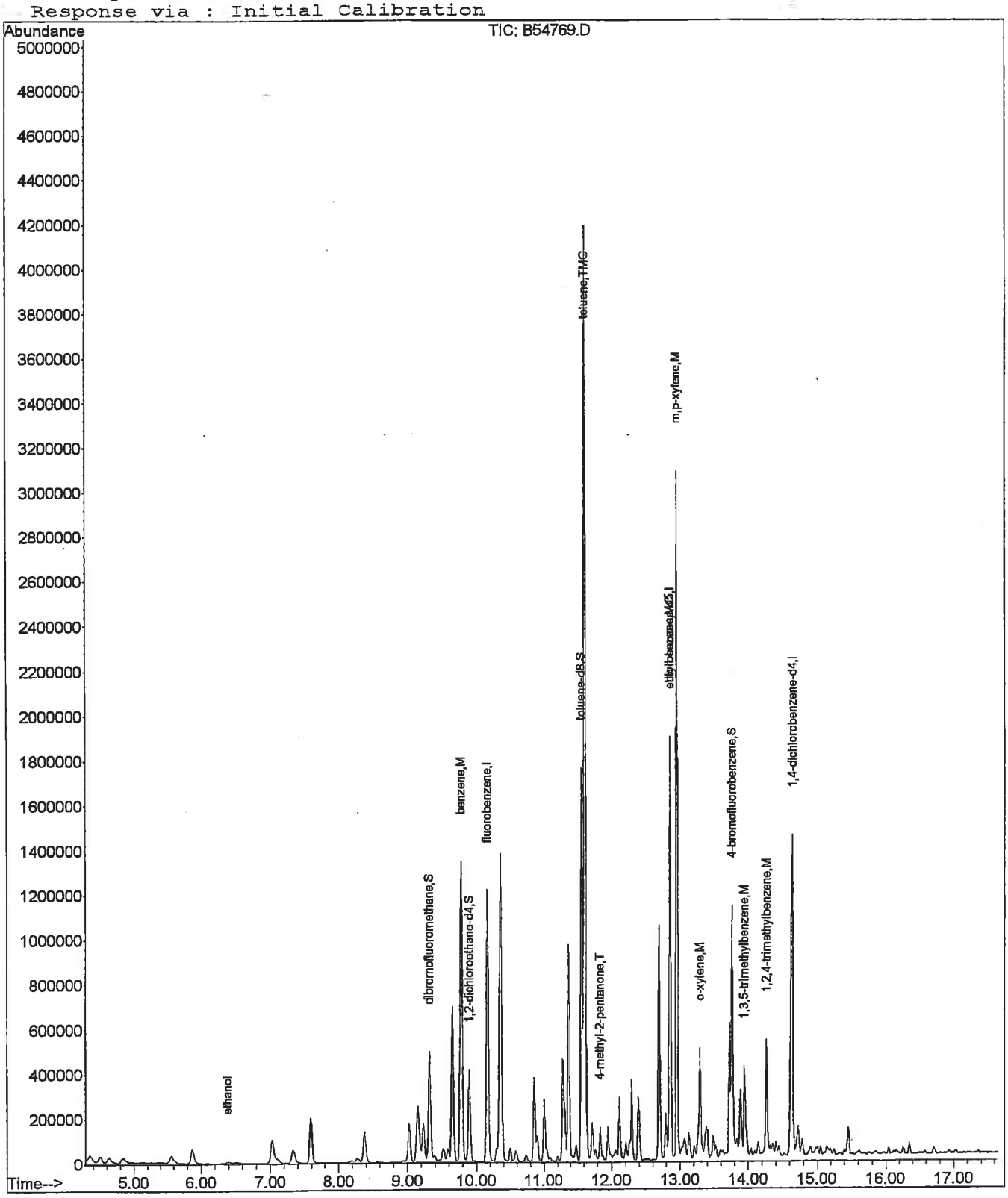
(#) = qualifier out of range (m) = manual integration
B54769.D 111408S.M Mon Dec 29 15:27:09 2008

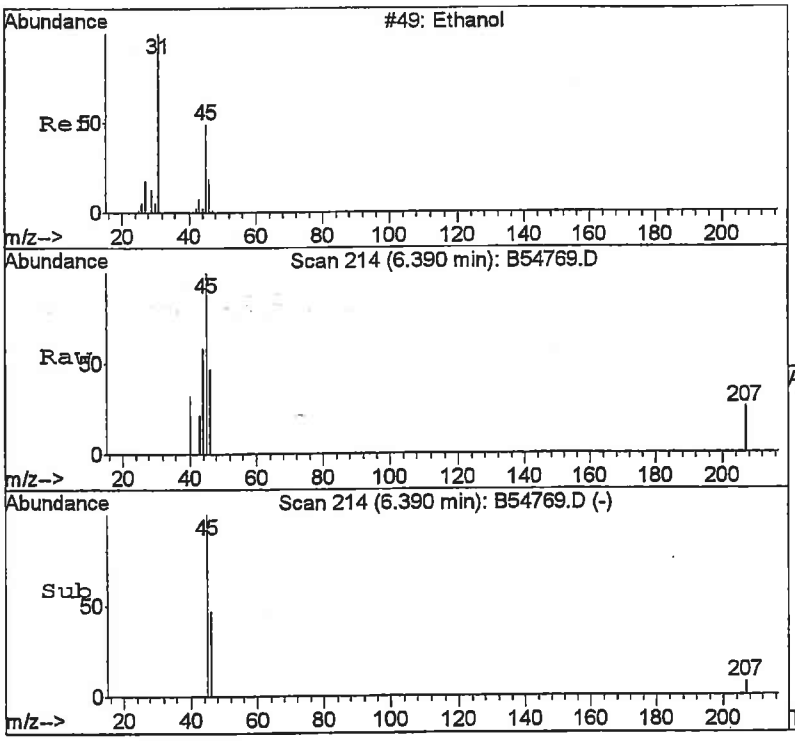
Quantitation Report

Data File : C:\HPCHEM\1\DATA\122908\B54769.D
Acq On : 29 Dec 2008 15:05
Sample : 0812200-12 400X
Misc : 5mL heated water - HS>pea
MS Integration Params: rteint.p
Quant Time: Dec 29 15:26 2008

Vial: 6
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration

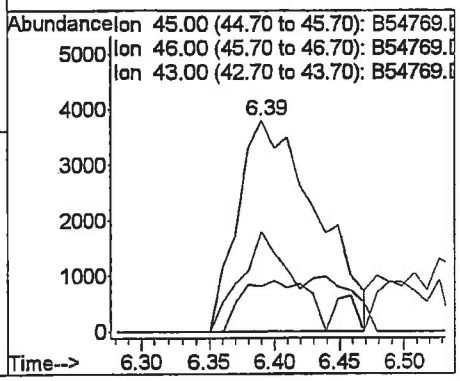


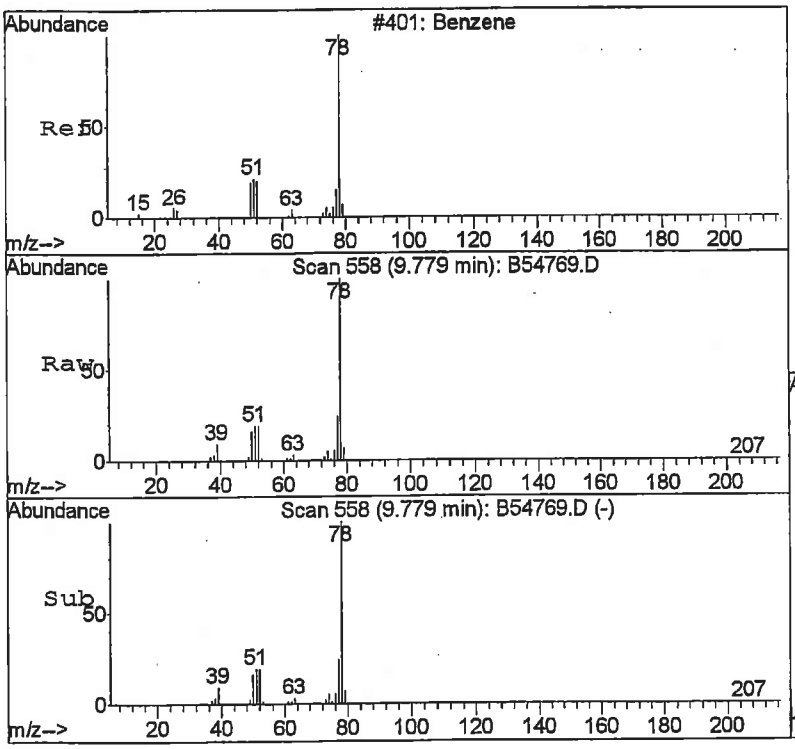


#8
ethanol
Concen: 183.60 ppb
RT: 6.39 min Scan# 214
Delta R.T. -0.01 min
Lab File: B54769.D
Acq: 29 Dec 2008 15:05

Tgt Ion: 45 Resp: 16040

Ion	Ratio	Lower	Upper
45	100		
46	28.0	28.1	52.3#
43	19.9	12.9	23.9

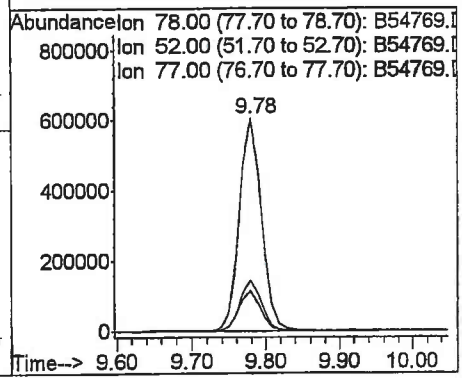


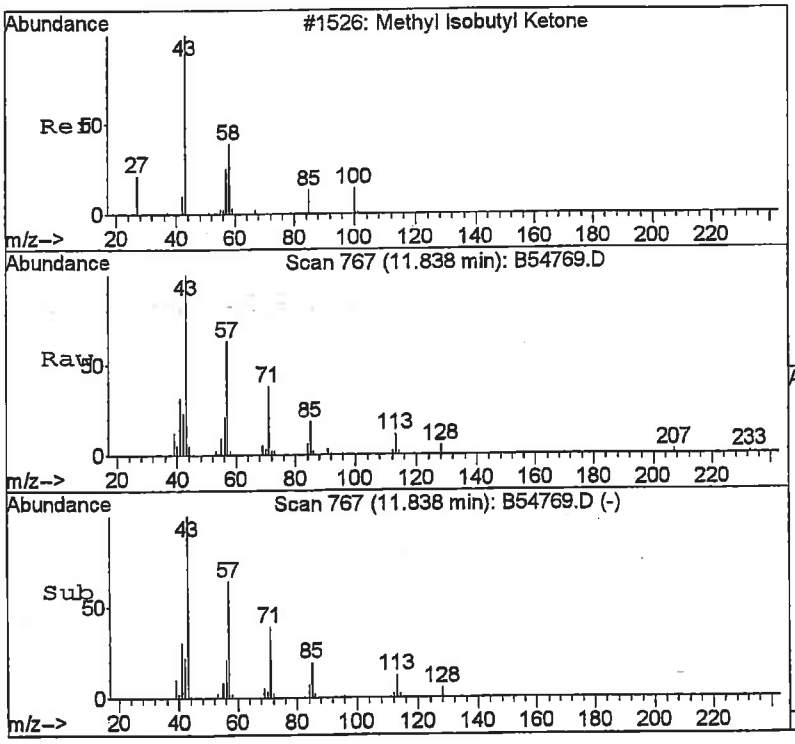


#41
benzene
Concen: 49.03 ppb
RT: 9.78 min Scan# 558
Delta R.T. 0.00 min
Lab File: B54769.D
Acq: 29 Dec 2008 15:05

Tgt Ion: 78 Resp: 1276207

Ion	Ratio	Lower	Upper
78	100		
52	18.6	16.7	30.9
77	23.6	16.2	30.2

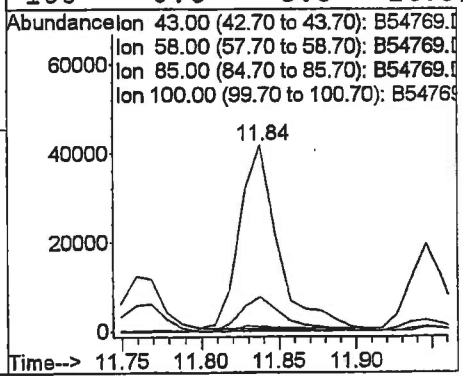


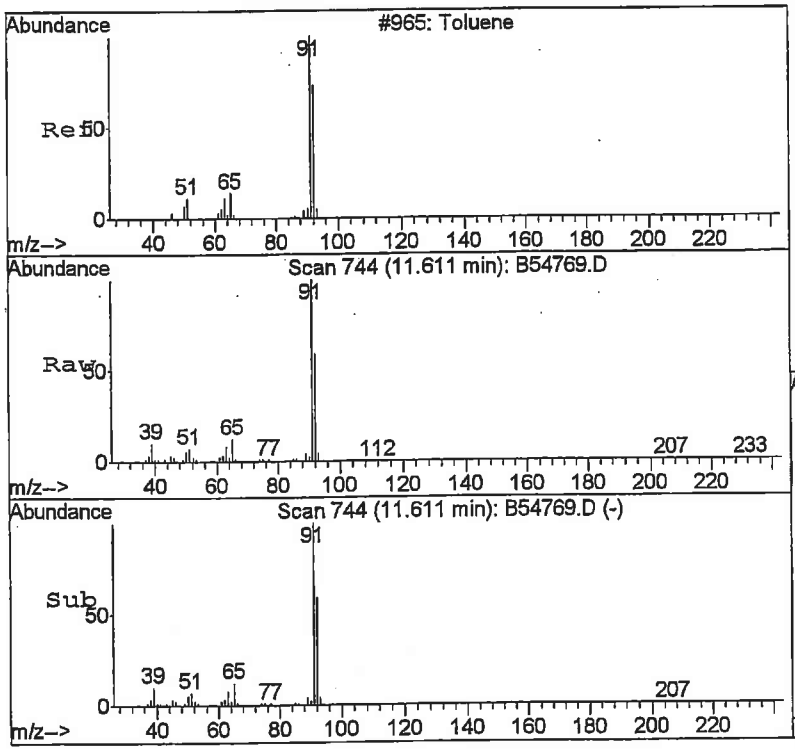


#52
4-methyl-2-pentanone
Concen: 11.38 ppb
RT: 11.84 min Scan# 767
Delta R.T. -0.04 min
Lab File: B54769.D
Acq: 29 Dec 2008 15:05

Tgt Ion: 43 Resp: 71315

Ion	Ratio	Lower	Upper
43	100		
58	2.5	27.1	50.3#
85	18.6	9.6	17.8#
100	0.0	8.8	16.3#

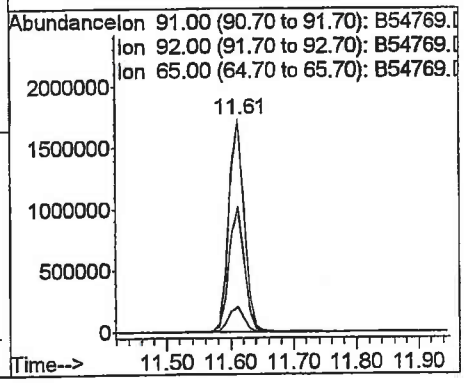


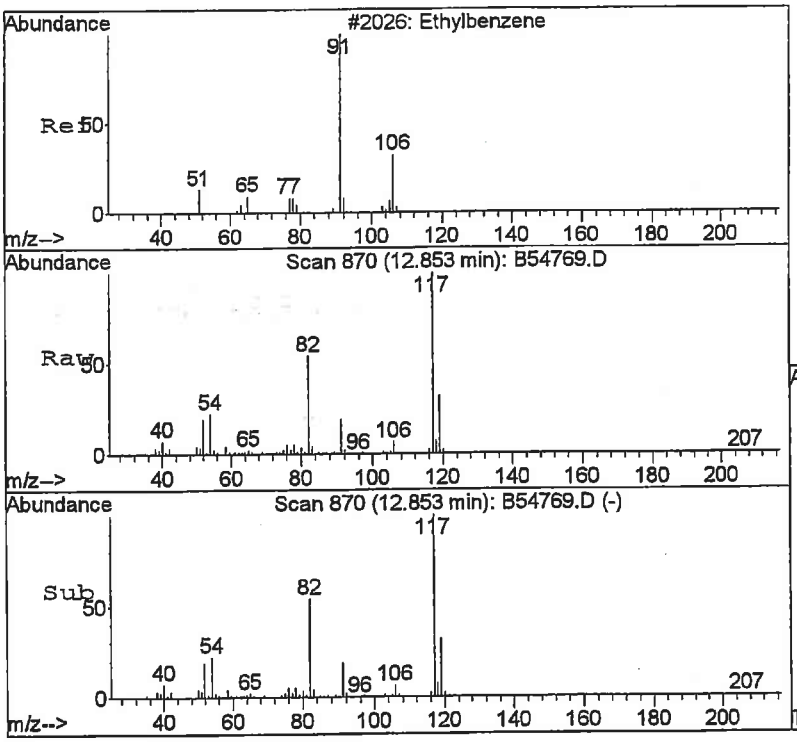


#55
toluene
Concen: 109.16 ppb
RT: 11.61 min Scan# 744
Delta R.T. 0.00 min
Lab File: B54769.D
Acq: 29 Dec 2008 15:05

Tgt Ion: 91 Resp: 2938075

Ion	Ratio	Lower	Upper
91	100		
92	58.7	41.6	77.2
65	11.6	8.2	15.2

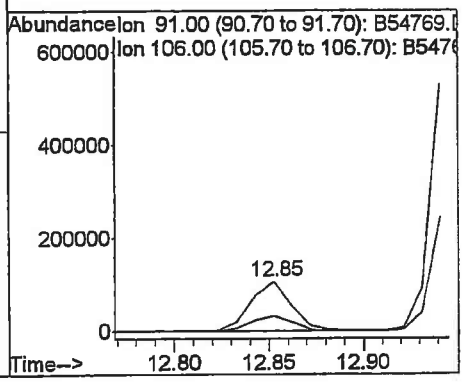


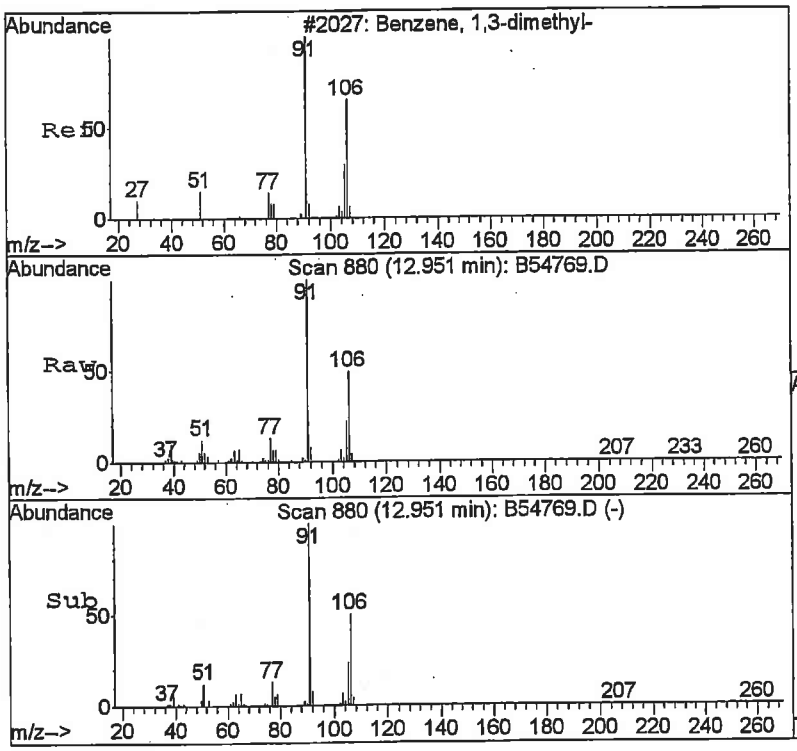


#66
ethylbenzene
Concen: 5.50 ppb
RT: 12.85 min Scan# 870
Delta R.T. 0.00 min
Lab File: B54769.D
Acq: 29 Dec 2008 15:05

Tgt Ion: 91 Resp: 160599

Ion	Ratio	Lower	Upper
91	100		
106	29.9	21.0	39.0

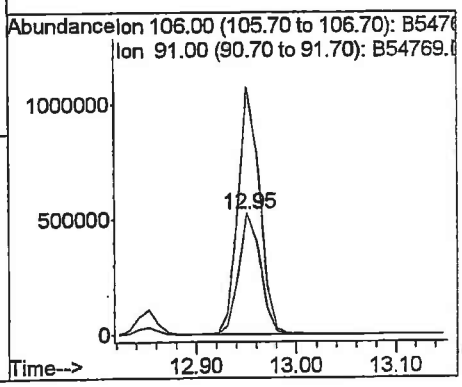


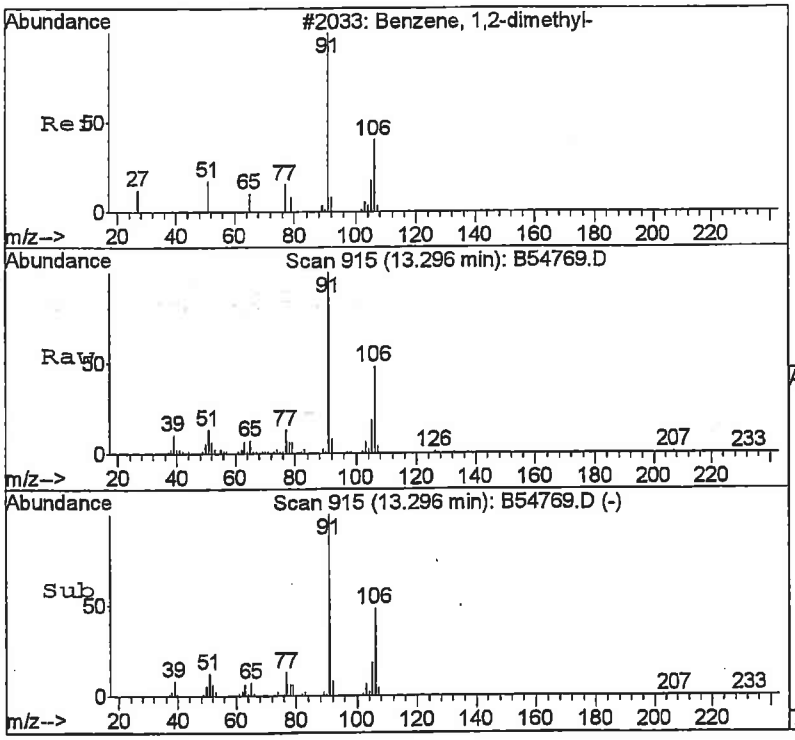


#68
m,p-xylene
Concen: 71.34 ppb
RT: 12.95 min Scan# 880
Delta R.T. -0.01 min
Lab File: B54769.D
Acq: 29 Dec 2008 15:05

Tgt Ion:106 Resp: 801002

Ion	Ratio	Lower	Upper
106	100		
91	204.4	138.0	256.2

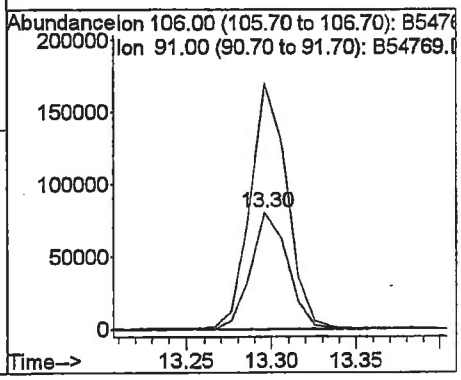


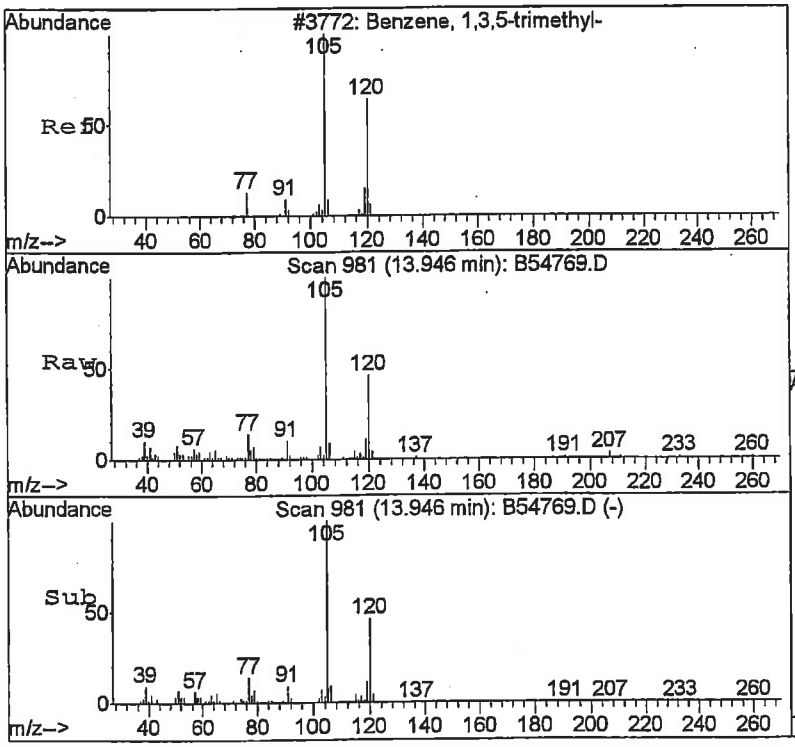


#69
o-xylene
Concen: 10.68 ppb
RT: 13.30 min Scan# 915
Delta R.T. -0.01 min
Lab File: B54769.D
Acq: 29 Dec 2008 15:05

Tgt Ion:106 Resp: 121384

Ion	Ratio	Lower	Upper
106	100		
91	209.4	143.7	266.9

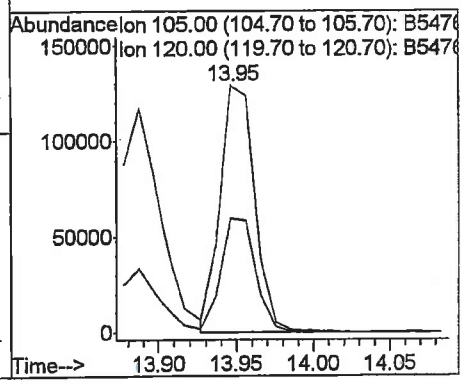


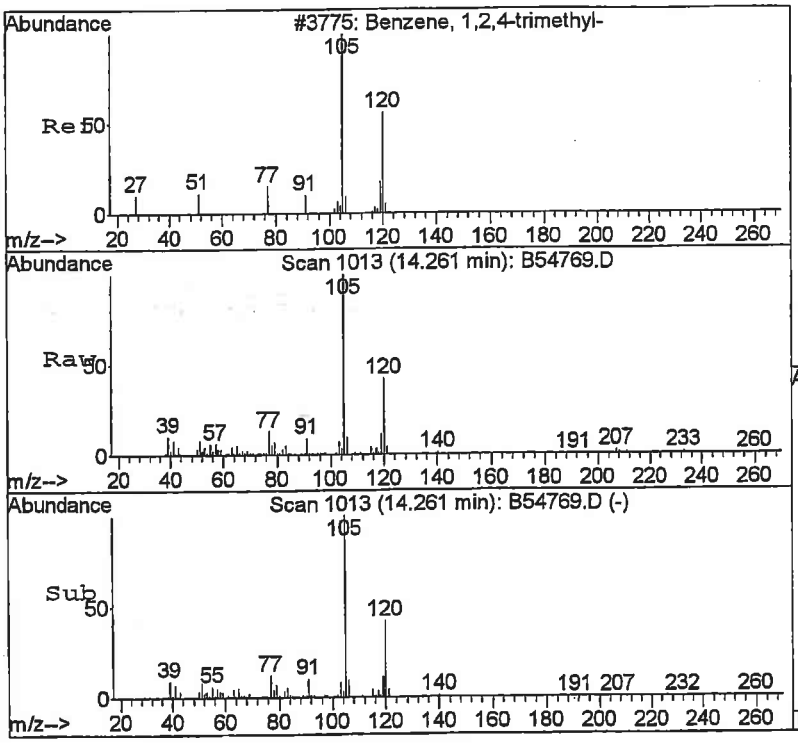


#80
1,3,5-trimethylbenzene
Concen: 8.57 ppb
RT: 13.95 min Scan# 981
Delta R.T. -0.01 min
Lab File: B54769.D
Acq: 29 Dec 2008 15:05

Tgt Ion:105 Resp: 204666

Ion	Ratio	Lower	Upper
105	100		
120	46.1	32.9	61.1

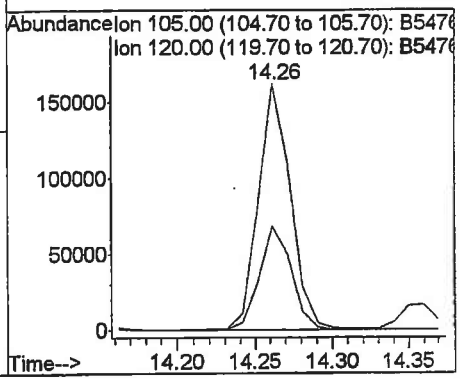




#84
1,2,4-trimethylbenzene
Concen: 9.97 ppb
RT: 14.26 min Scan# 1013
Delta R.T. 0.00 min
Lab File: B54769.D
Acq: 29 Dec 2008 15:05

Tgt Ion:105 Resp: 235807

Ion	Ratio	Lower	Upper
105	100		
120	42.1	28.9	53.7



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122908\B54773.D
Acq On : 29 Dec 2008 16:36
Sample : 0812200-5 200X
Misc : 5mL heated water
MS Integration Params: rteint.p
Quant Time: Dec 30 10:11 2008

Vial: 10
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.16	96	1249404	50.00	ppb		0.00
53) chlorobenzene-d5	12.86	117	917678	50.00	ppb		0.00
74) 1,4-dichlorobenzene-d4	14.64	152	347483	50.00	ppb		0.00
System Monitoring Compounds							
34) dibromofluoromethane	9.32	113	392511	51.71	ppb		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 103.42%				
39) 1,2-dichloroethane-d4	9.90	65	309890	51.34	ppb		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 102.68%				
54) toluene-d8	11.56	100	766270	50.55	ppb		0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 101.10%				
73) 4-bromofluorobenzene	13.77	174	263288	47.49	ppb		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 94.98%				
Target Compounds							Qvalue
12) acetone	7.37	58	5385	Below Cal			55
40) tert-amyl methyl ether	9.78	73	37329	2.10	ppb	#	56
41) benzene	9.78	78	2015082	76.19	ppb	/	95
55) toluene	11.61	91	3535814	128.97	ppb	/	100
58) 1,1,2-trichloroethane	12.12	83	21384	4.00	ppb	#	6
64) 1-chlorohexane	12.86	91	145594	14.60	ppb	#	31
66) ethylbenzene	12.86	91	145594	4.89	ppb	/	99
68) m,p-xylene	12.95	106	702725	61.45	ppb	/	98
69) o-xylene	13.30	106	103622	8.95	ppb	/	100
77) trans-1,4-dichloro-2-buten	13.95	53	3813	2.19	ppb	#	1
80) 1,3,5-trimethylbenzene	13.95	105	115236	4.73	ppb		99
84) 1,2,4-trimethylbenzene	14.26	105	118029	4.88	ppb		98

aa 12/30/08

(#) = qualifier out of range (m) = manual integration
B54773.D 111408S.M Tue Dec 30 10:11:09 2008

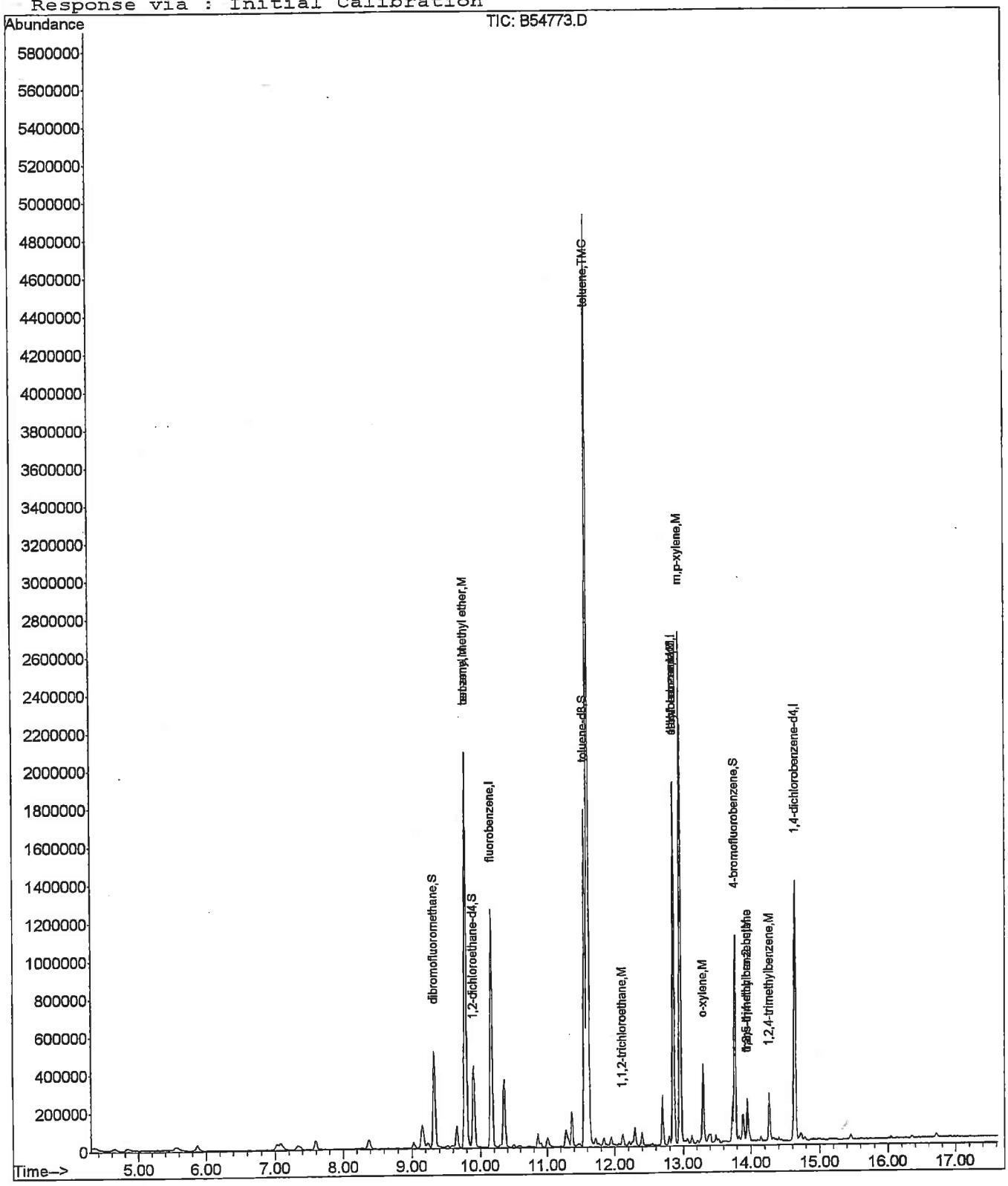
Quantitation Report

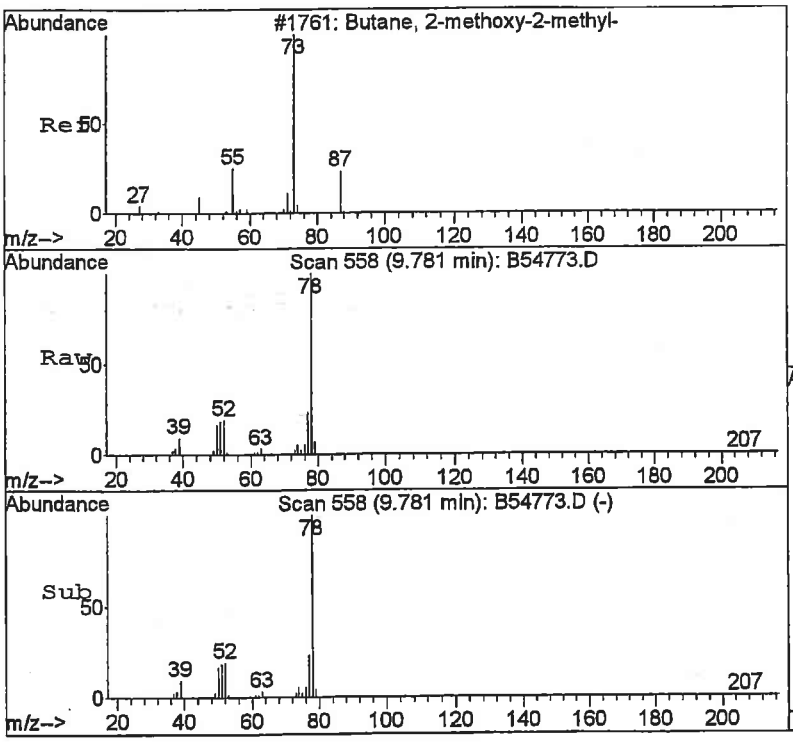
Data File : C:\HPCHEM\1\DATA\122908\B54773.D
Acq On : 29 Dec 2008 16:36
Sample : 0812200-5 200X
Misc : 5mL heated water
MS Integration Params: rteint.p
Quant Time: Dec 30 10:11 2008

Vial: 10
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration

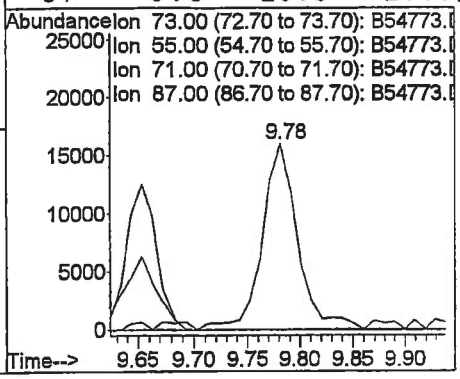


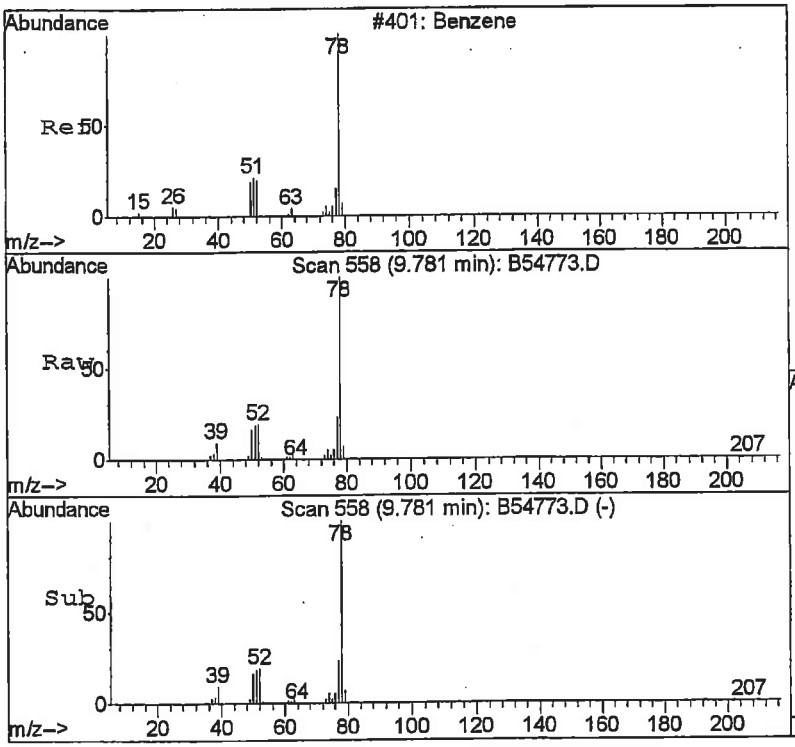


#40
tert-amyl methyl ether
Concen: 2.10 ppb
RT: 9.78 min Scan# 558
Delta R.T. -0.03 min
Lab File: B54773.D
Acq: 29 Dec 2008 16:36

Tgt Ion: 73 Resp: 37329

Ion	Ratio	Lower	Upper
73	100		
55	0.0	17.6	32.8#
71	0.0	6.9	12.9#
87	0.0	15.3	28.3#

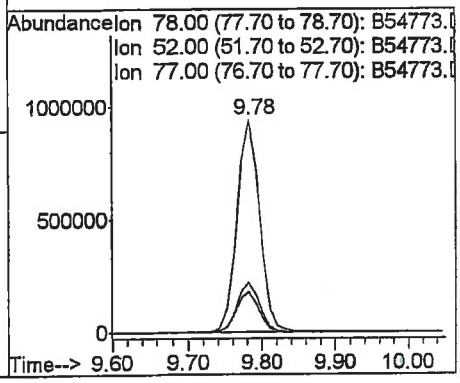


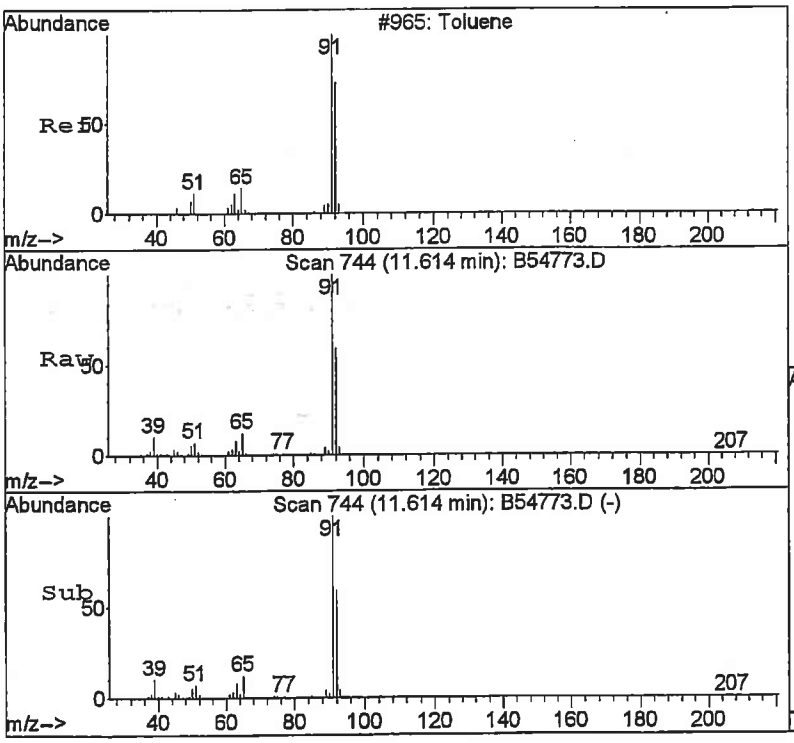


#41
benzene
Concen: 76.19 ppb
RT: 9.78 min Scan# 558
Delta R.T. 0.00 min
Lab File: B54773.D
Acq: 29 Dec 2008 16:36

Tgt Ion: 78 Resp: 2015082

Ion	Ratio	Lower	Upper
78	100		
52	18.9	16.7	30.9
77	23.3	16.2	30.2

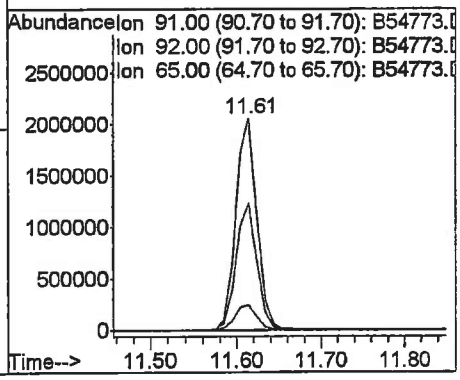


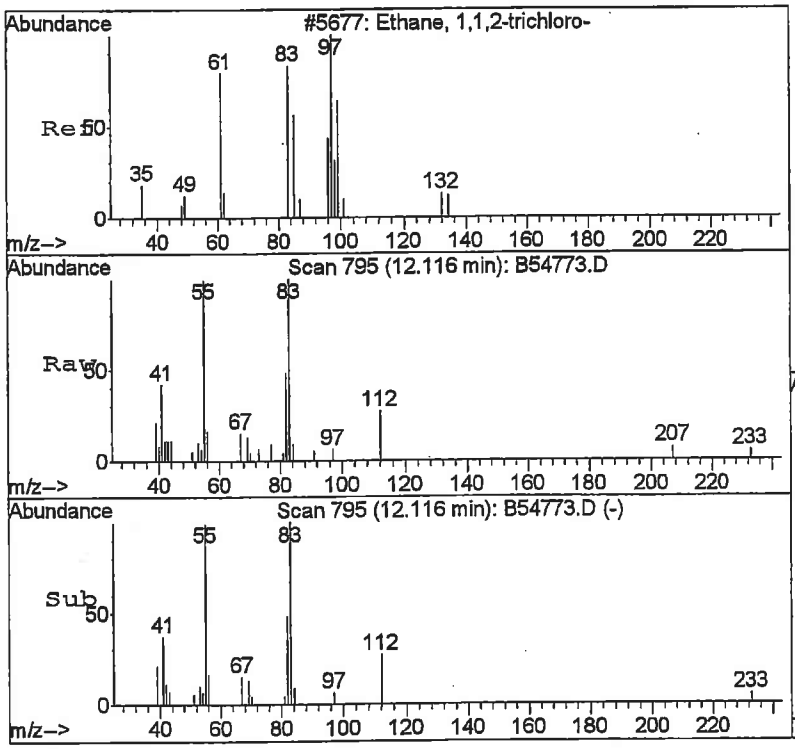


#55
toluene
Concen: 128.97 ppb
RT: 11.61 min Scan# 744
Delta R.T. 0.00 min
Lab File: B54773.D
Acq: 29 Dec 2008 16:36

Tgt Ion: 91 Resp: 3535814

Ion	Ratio	Lower	Upper
91	100		
92	59.3	41.6	77.2
65	11.5	8.2	15.2

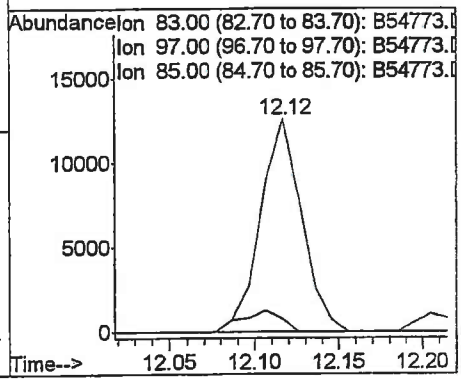


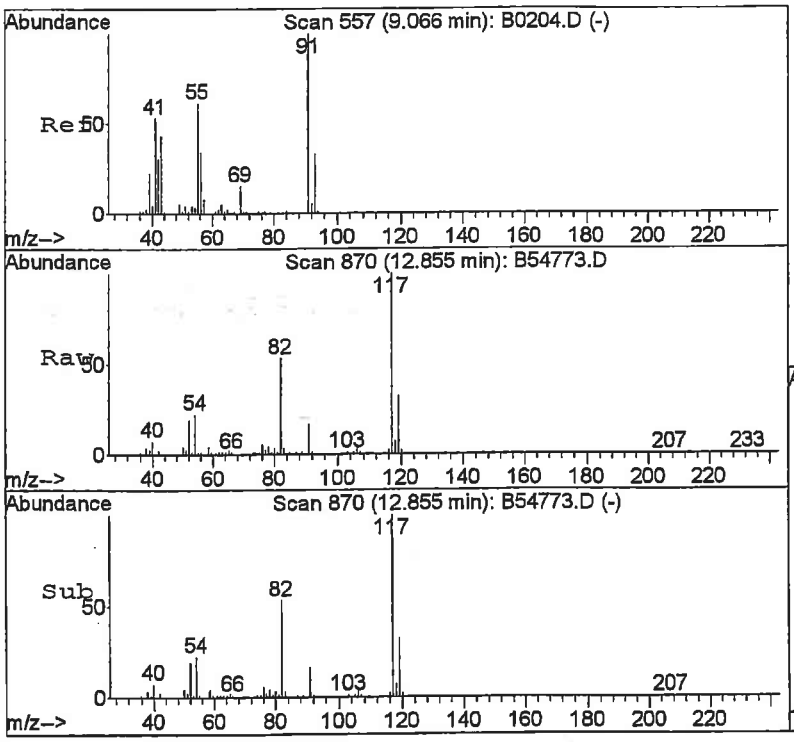


#58
1,1,2-trichloroethane
Concen: 4.00 ppb
RT: 12.12 min Scan# 795
Delta R.T. 0.04 min
Lab File: B54773.D
Acq: 29 Dec 2008 16:36

Tgt Ion: 83 Resp: 21384

Ion	Ratio	Lower	Upper
83	100		
97	6.1	81.8	152.0#
85	0.0	45.4	84.4#

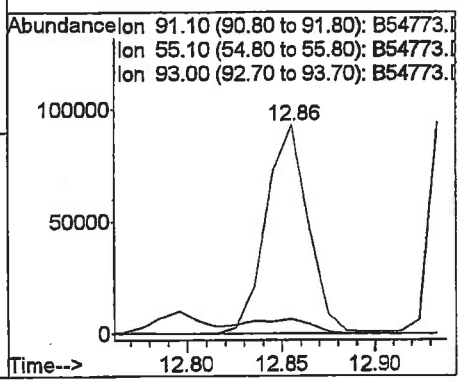


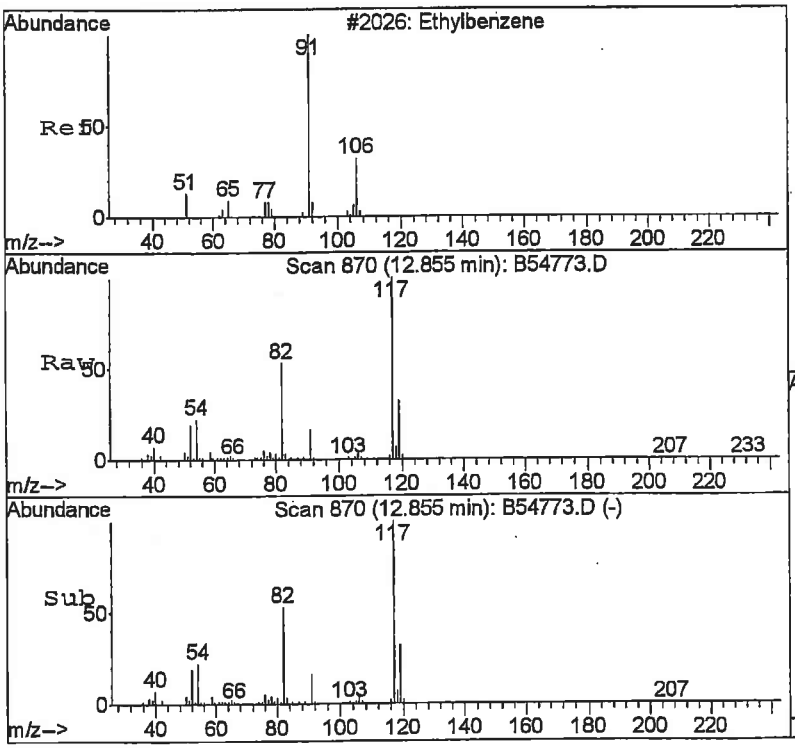


#64
1-chlorohexane
Concen: 14.60 ppb
RT: 12.86 min Scan# 870
Delta R.T. 0.06 min
Lab File: B54773.D
Acq: 29 Dec 2008 16:36

Tgt Ion: 91 Resp: 145594

Ion	Ratio	Lower	Upper
91	100		
55	6.7	46.1	85.7#
93	0.0	22.3	41.3#

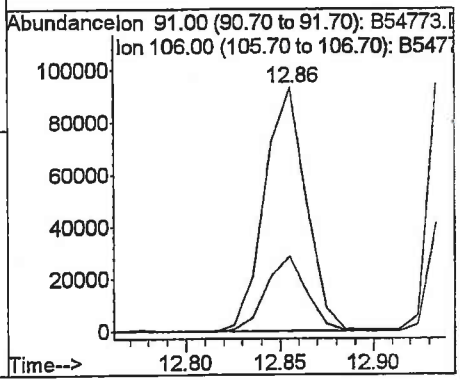


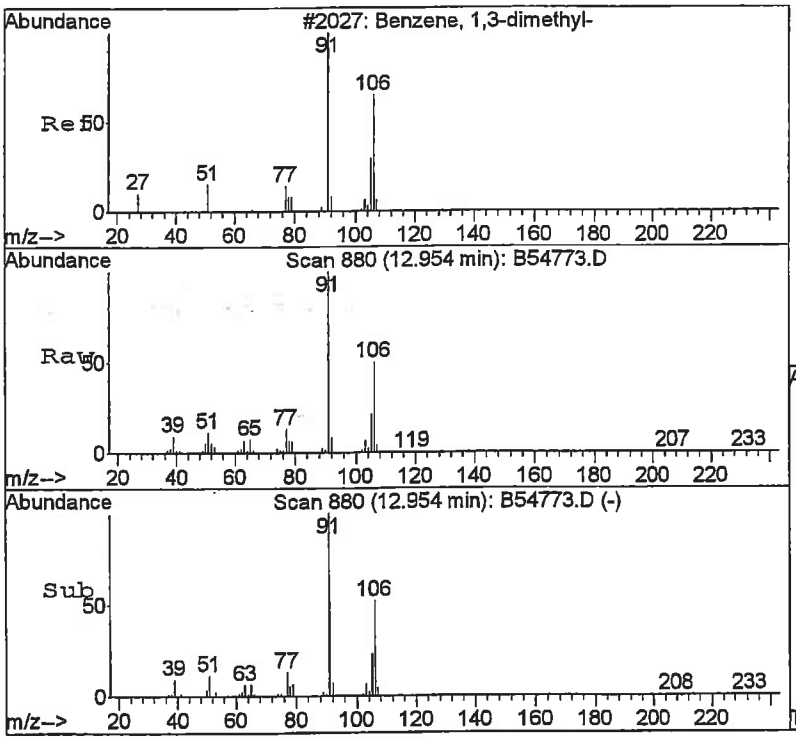


#66
ethylbenzene
Concen: 4.89 ppb
RT: 12.86 min Scan# 870
Delta R.T. 0.00 min
Lab File: B54773.D
Acq: 29 Dec 2008 16:36

Tgt Ion: 91 Resp: 145594

Ion	Ratio	Lower	Upper
91	100		
106	30.7	21.0	39.0

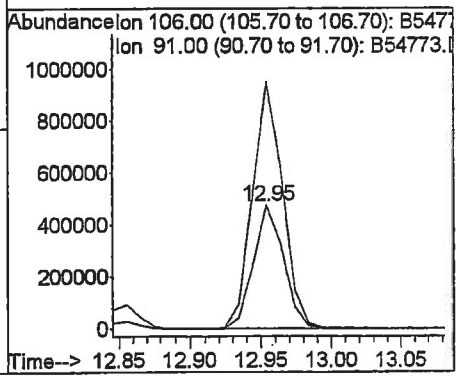


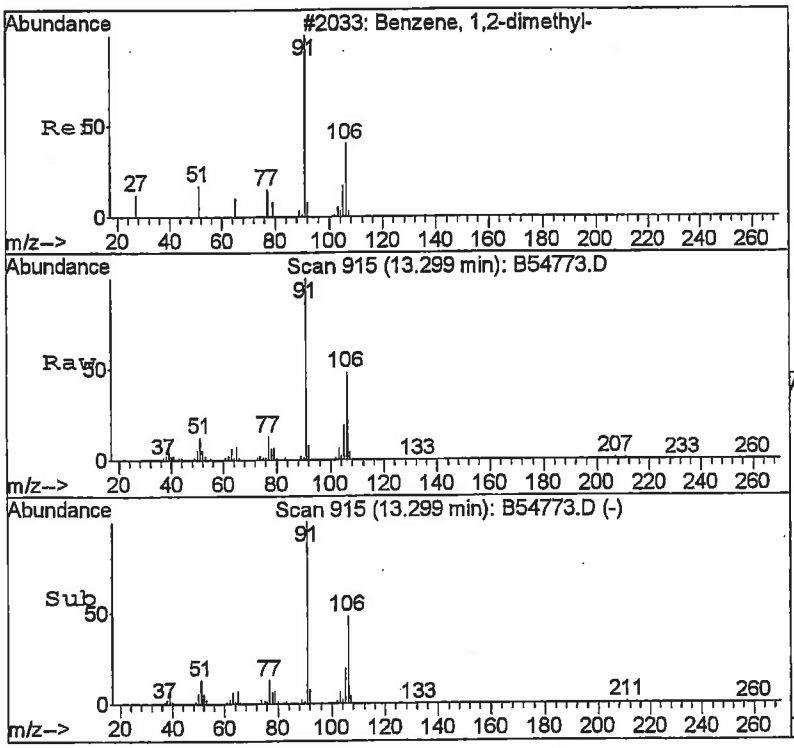


#68
m,p-xylene
Concen: 61.45 ppb
RT: 12.95 min Scan# 880
Delta R.T. -0.01 min
Lab File: B54773.D
Acq: 29 Dec 2008 16:36

Tgt Ion:106 Resp: 702725

Ion	Ratio	Lower	Upper
106	100		
91	200.4	138.0	256.2

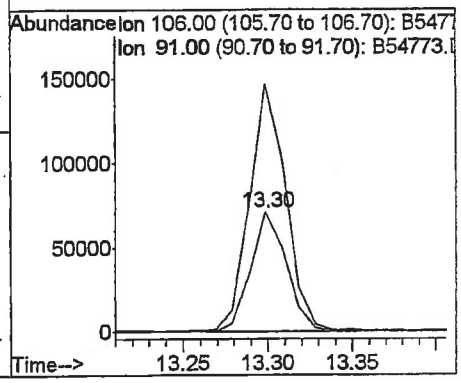


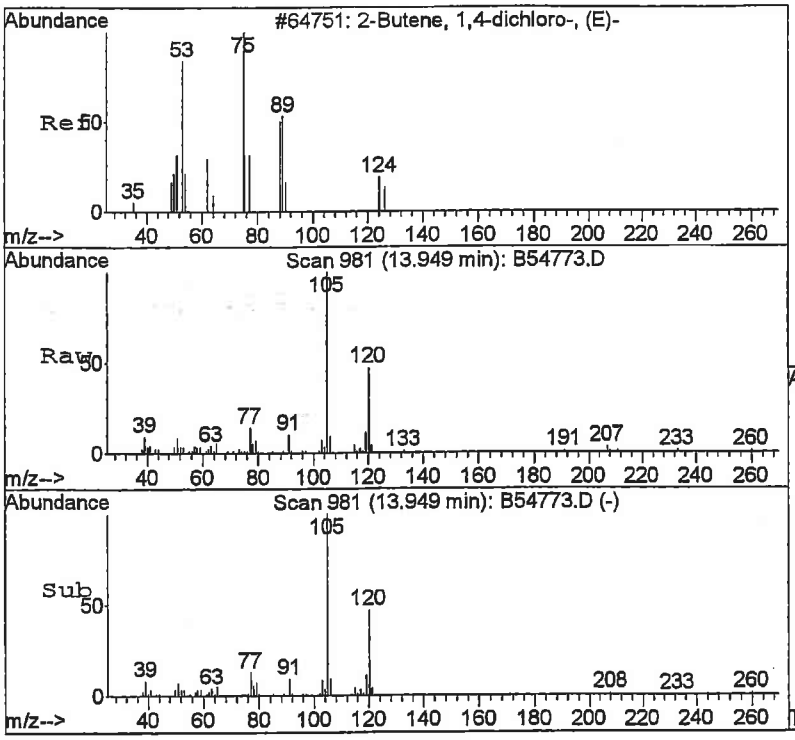


#69
o-xylene
Concen: 8.95 ppb
RT: 13.30 min Scan# 915
Delta R.T. -0.01 min
Lab File: B54773.D
Acq: 29 Dec 2008 16:36

Tgt Ion:106 Resp: 103622

Ion	Ratio	Lower	Upper
106	100		
91	206.0	143.7	266.9

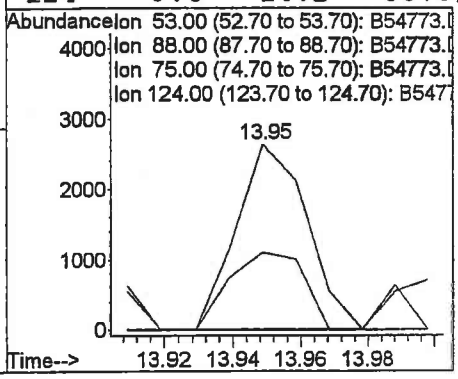


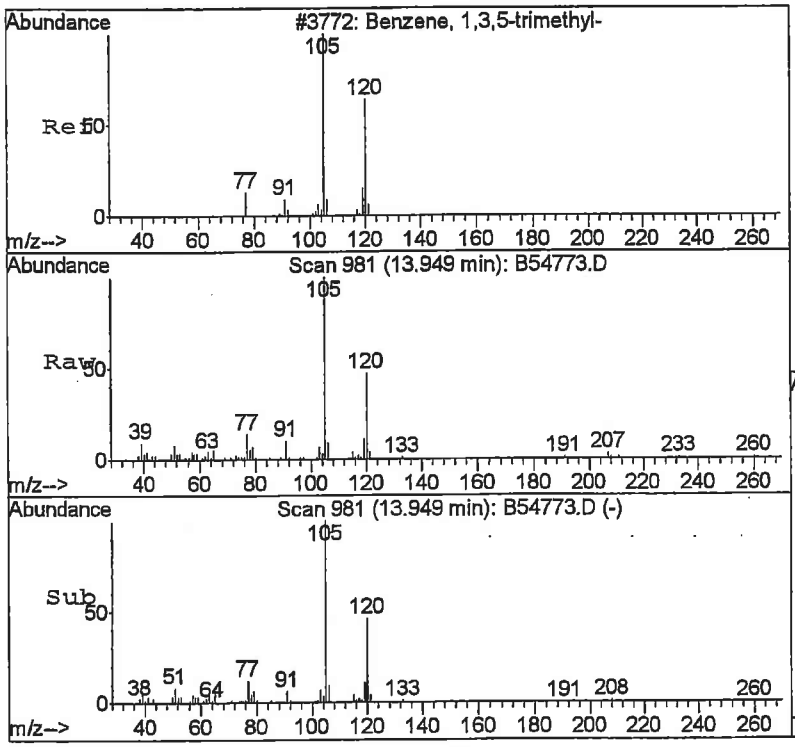


#77
trans-1,4-dichloro-2-butene
Concen: 2.19 ppb
RT: 13.95 min Scan# 981
Delta R.T. -0.05 min
Lab File: B54773.D
Acq: 29 Dec 2008 16:36

Tgt Ion: 53 Resp: 3813

Ion	Ratio	Lower	Upper
53	100		
88	0.0	33.2	61.7#
75	41.6	278.7	517.7#
124	0.0	16.2	30.0#

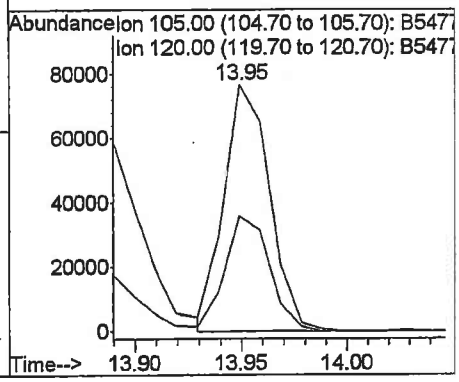


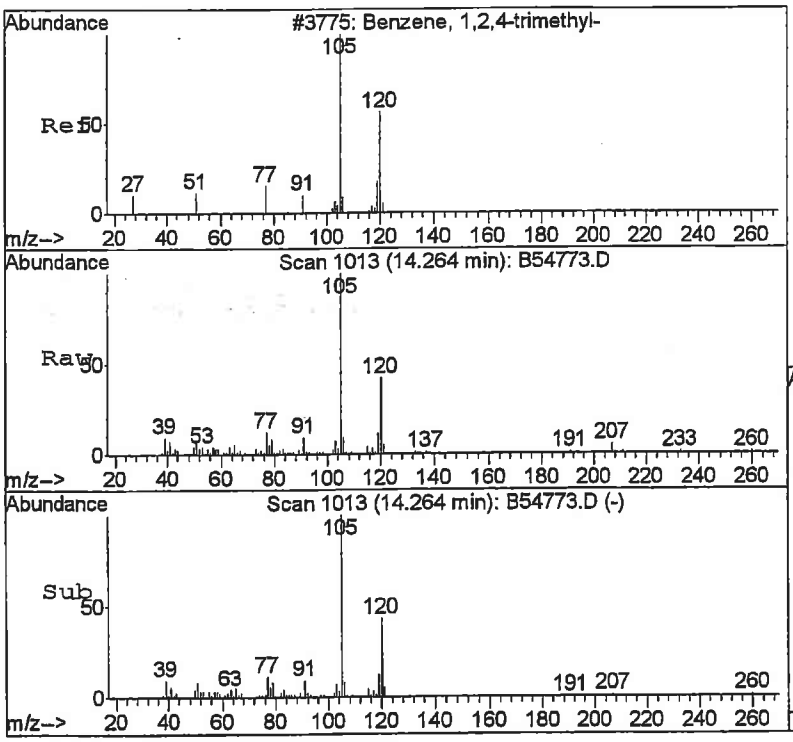


#80
1,3,5-trimethylbenzene
Concen: 4.73 ppb
RT: 13.95 min Scan# 981
Delta R.T. -0.01 min
Lab File: B54773.D
Acq: 29 Dec 2008 16:36

Tgt Ion:105 Resp: 115236

Ion	Ratio	Lower	Upper
105	100		
120	46.6	32.9	61.1

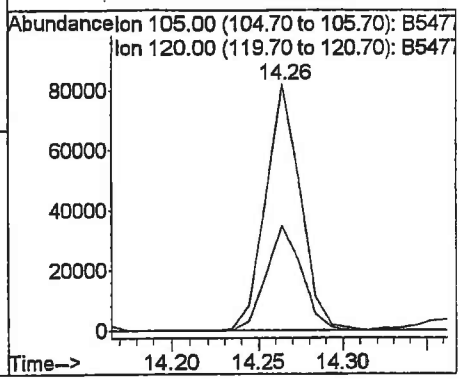




#84
1,2,4-trimethylbenzene
Concen: 4.88 ppb
RT: 14.26 min Scan# 1013
Delta R.T. 0.00 min
Lab File: B54773.D
Acq: 29 Dec 2008 16:36

Tgt Ion:105 Resp: 118029

Ion	Ratio	Lower	Upper
105	100		
120	42.4	28.9	53.7



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122908\B54774.D
Acq On : 29 Dec 2008 16:58
Sample : 0812200-6 200X
Misc : 5mL heated water
MS Integration Params: rteint.p
Quant Time: Dec 30 10:11 2008

Vial: 11
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.16	96	1254544	50.00	ppb	0.00
53) chlorobenzene-d5	12.86	117	909292	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.63	152	351955	50.00	ppb	0.00
System Monitoring Compounds						
34) dibromofluoromethane	9.32	113	390871	51.28	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 102.56%			
39) 1,2-dichloroethane-d4	9.90	65	302934	49.98	ppb	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 99.96%			
54) toluene-d8	11.56	100	765209	50.94	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 101.88%			
73) 4-bromofluorobenzene	13.77	174	264641	48.18	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 96.36%			
Target Compounds						Qvalue
12) acetone	7.37	58	6964	Below Cal	#	38
40) tert-amyl methyl ether	9.78	73	36219	2.03	ppb #	56
41) benzene	9.78	78	1983207	74.67	ppb	94
52) 4-methyl-2-pentanone	11.84	43	49953	7.81	ppb #	57
55) toluene	11.61	91	3579225	131.75	ppb	99
58) 1,1,2-trichloroethane	12.11	83	62380	11.76	ppb #	6
64) 1-chlorohexane	12.85	91	187620	18.98	ppb #	31
66) ethylbenzene	12.85	91	187620	6.36	ppb	99
68) m,p-xylene	12.96	106	948549	83.71	ppb	96
69) o-xylene	13.30	106	151502	13.20	ppb	99
77) trans-1,4-dichloro-2-buten	13.95	53	10361	5.89	ppb #	1
80) 1,3,5-trimethylbenzene	13.95	105	219213	8.87	ppb	98
84) 1,2,4-trimethylbenzene	14.27	105	275936	11.27	ppb	97

ac 12/30/04

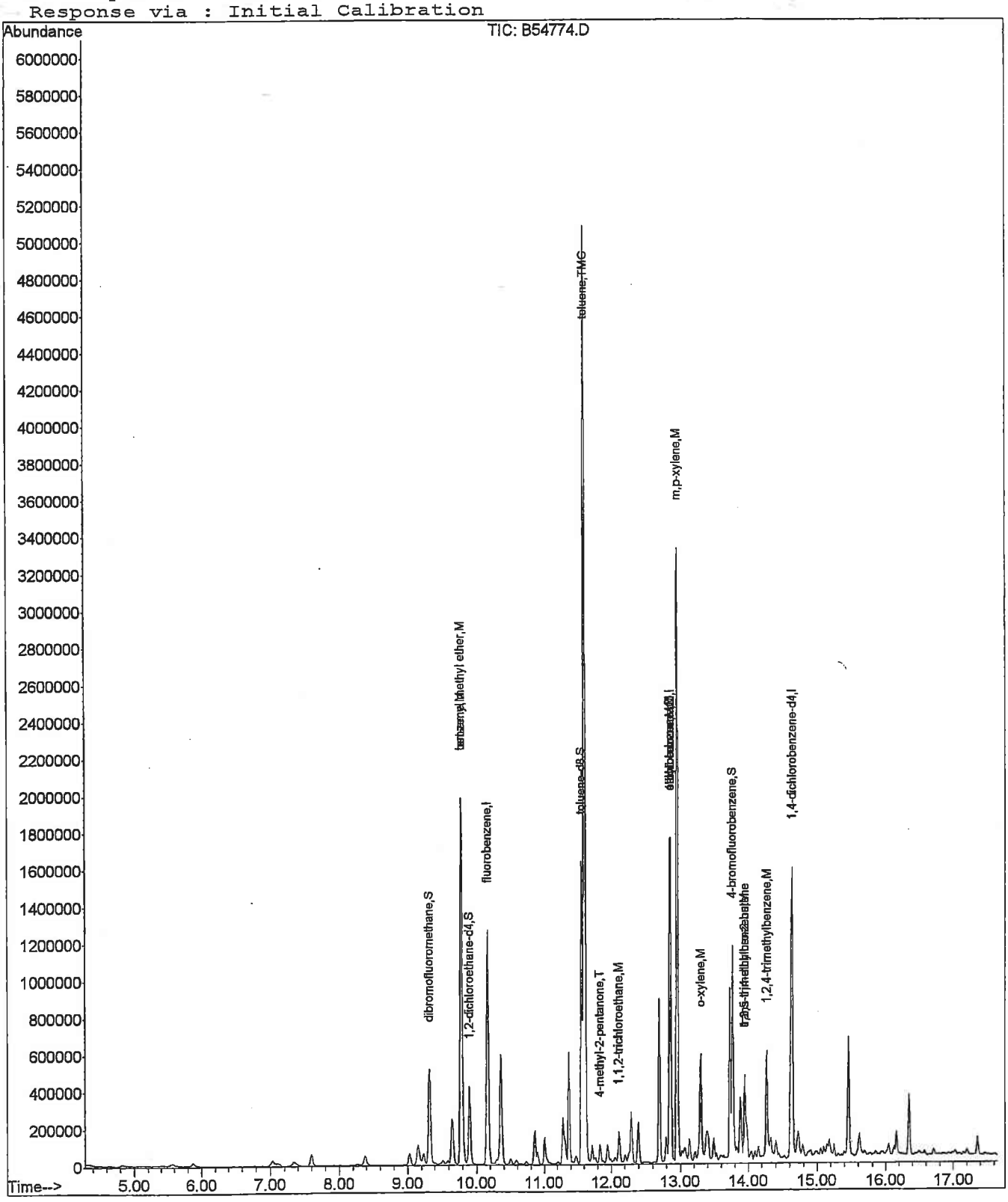
(#) = qualifier out of range (m) = manual integration

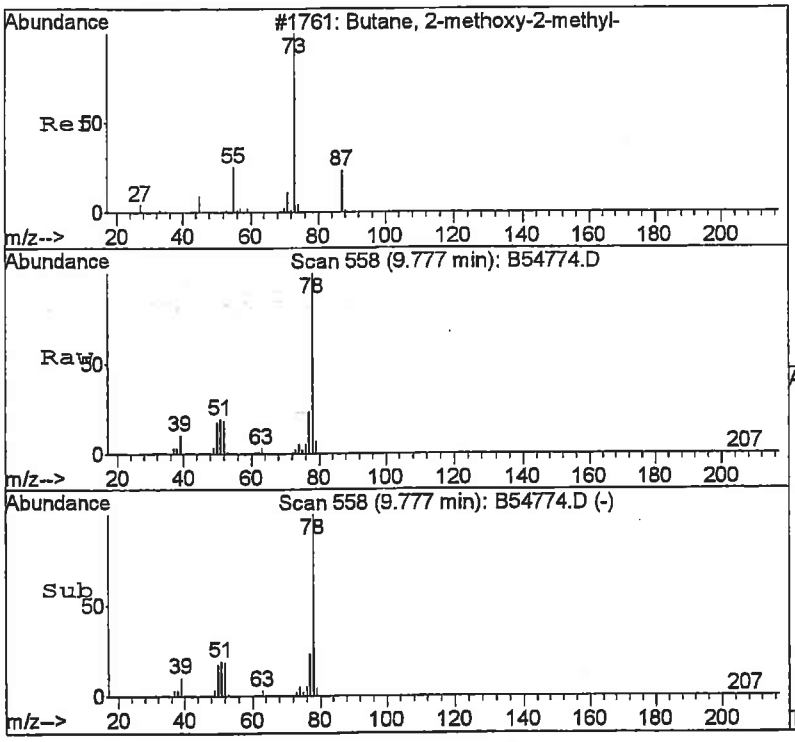
Quantitation Report

Data File : C:\HPCHEM\1\DATA\122908\B54774.D
Acq On : 29 Dec 2008 16:58
Sample : 0812200-6 200X
Misc : 5mL heated water
MS Integration Params: rteint.p
Quant Time: Dec 30 10:11 2008

Vial: 11
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration

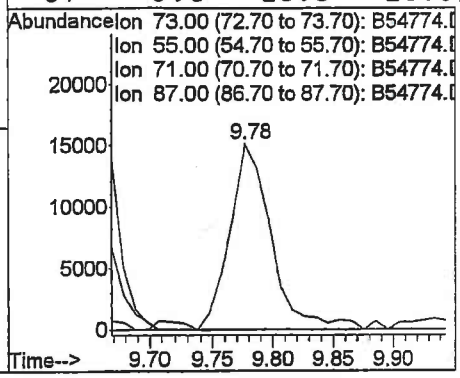


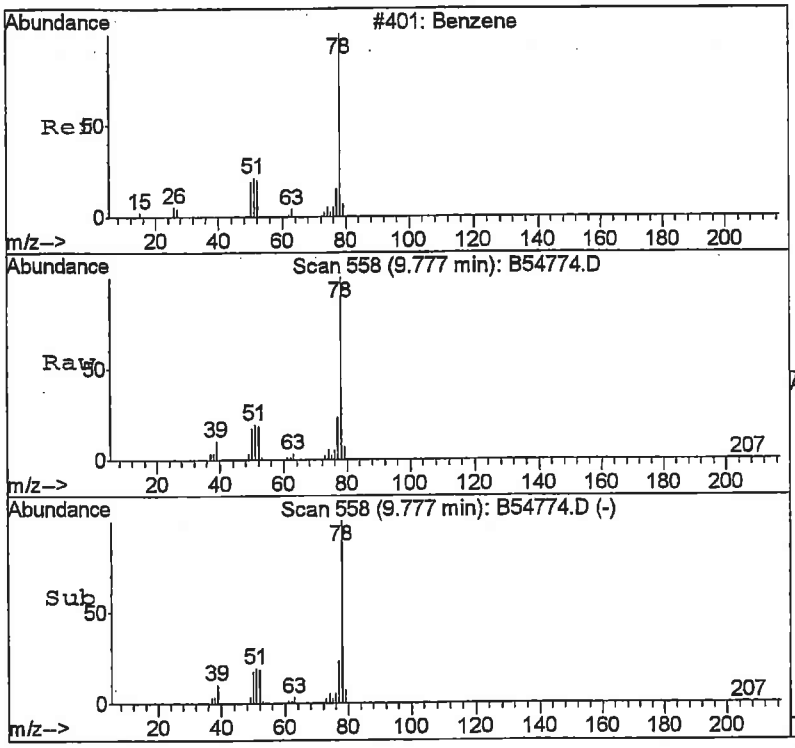


#40
tert-amyl methyl ether
Concen: 2.03 ppb
RT: 9.78 min Scan# 558
Delta R.T. -0.04 min
Lab File: B54774.D
Acq: 29 Dec 2008 16:58

Tgt Ion: 73 Resp: 36219

Ion	Ratio	Lower	Upper
73	100		
55	0.0	17.6	32.8#
71	0.0	6.9	12.9#
87	0.0	15.3	28.3#

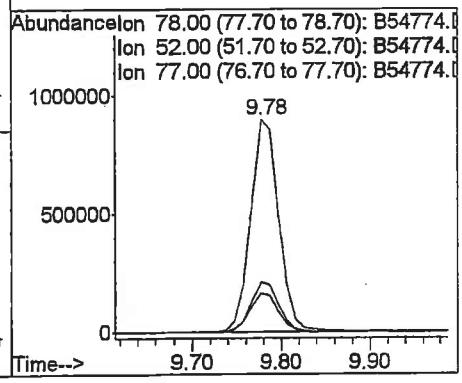


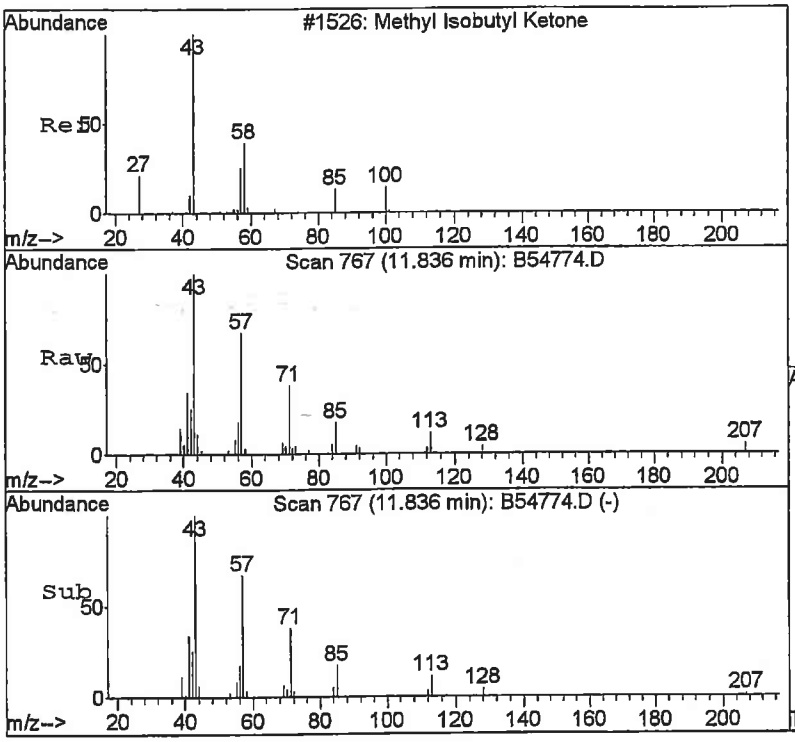


#41
benzene
Concen: 74.67 ppb
RT: 9.78 min Scan# 558
Delta R.T. 0.00 min
Lab File: B54774.D
Acq: 29 Dec 2008 16:58

Tgt Ion: 78 Resp: 1983207

Ion	Ratio	Lower	Upper
78	100		
52	18.2	16.7	30.9
77	23.2	16.2	30.2

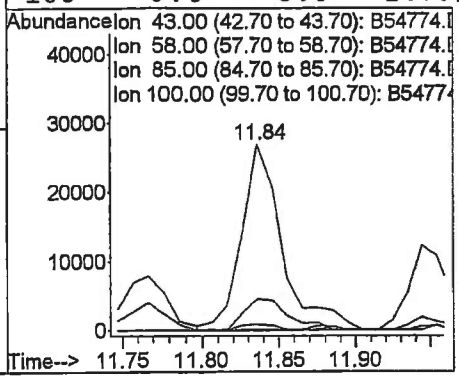


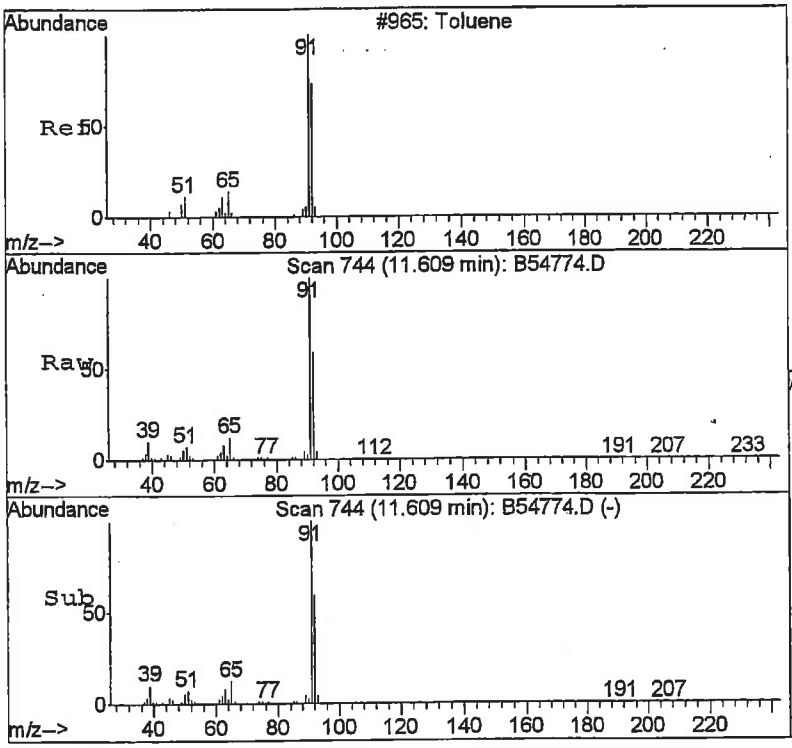


#52
4-methyl-2-pentanone
Concen: 7.81 ppb
RT: 11.84 min Scan# 767
Delta R.T. -0.04 min
Lab File: B54774.D
Acq: 29 Dec 2008 16:58

Tgt Ion: 43 Resp: 49953

Ion	Ratio	Lower	Upper
43	100		
58	2.9	27.1	50.3#
85	16.8	9.6	17.8
100	0.0	8.8	16.3#

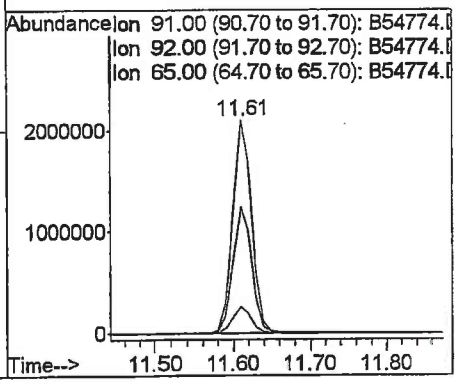


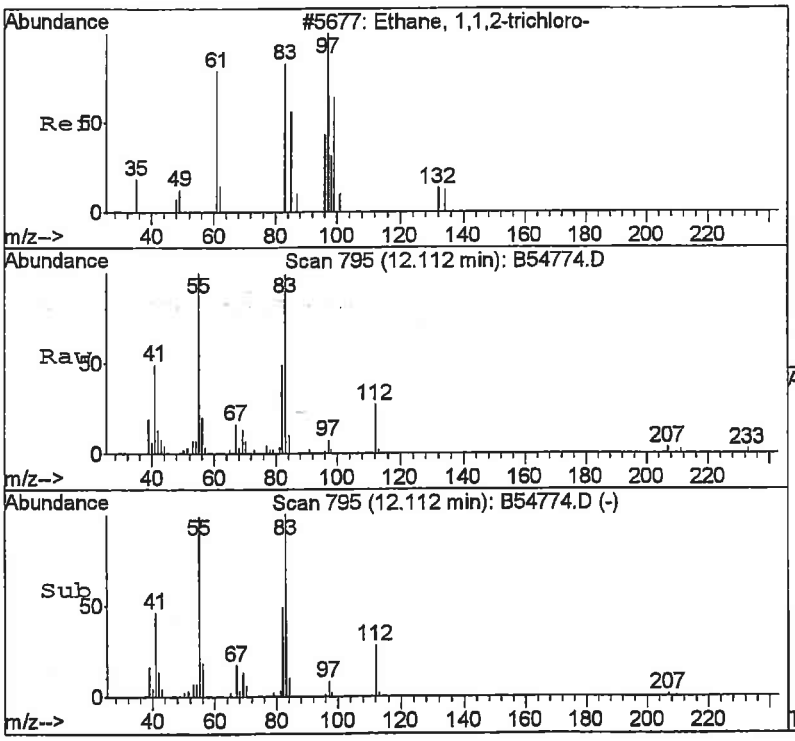


#55
toluene
Concen: 131.75 ppb
RT: 11.61 min Scan# 744
Delta R.T. 0.00 min
Lab File: B54774.D
Acq: 29 Dec 2008 16:58

Tgt Ion: 91 Resp: 3579225

Ion	Ratio	Lower	Upper
91	100		
92	58.8	41.6	77.2
65	12.1	8.2	15.2

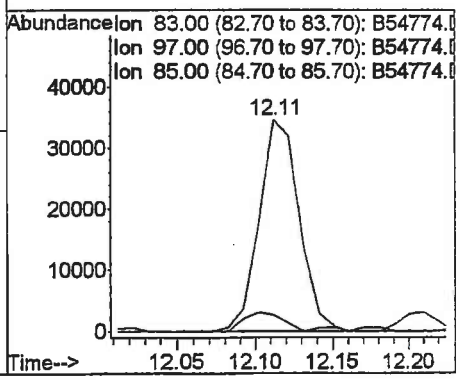


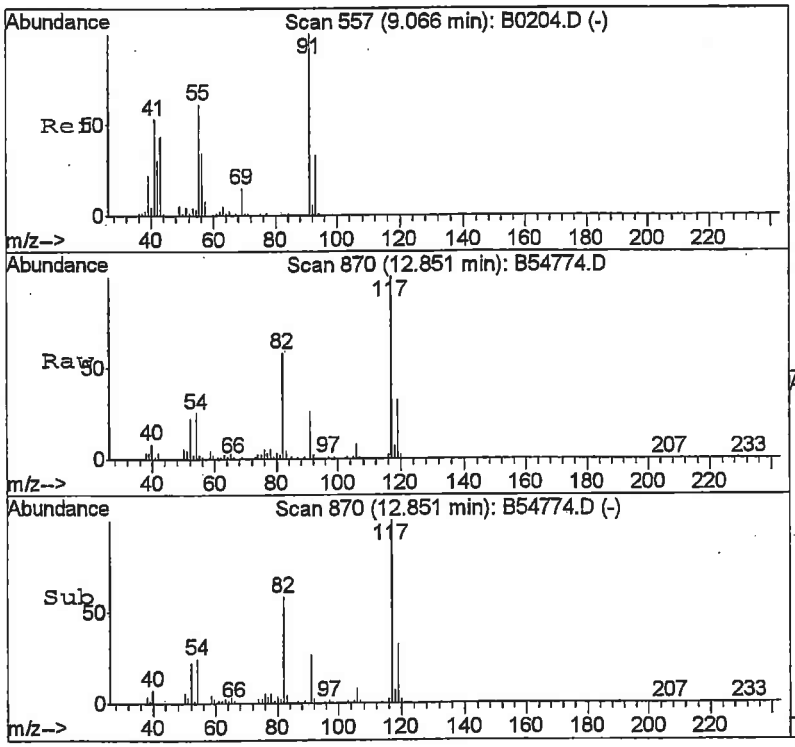


#58
1,1,2-trichloroethane
Concen: 11.76 ppb
RT: 12.11 min Scan# 795
Delta R.T. 0.04 min
Lab File: B54774.D
Acq: 29 Dec 2008 16:58

Tgt Ion: 83 Resp: 62380

Ion	Ratio	Lower	Upper
83	100		
97	7.6	81.8	152.0#
85	0.0	45.4	84.4#

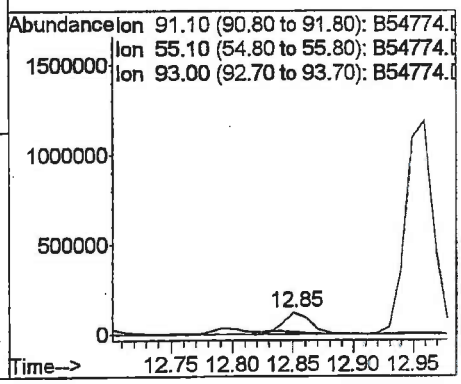


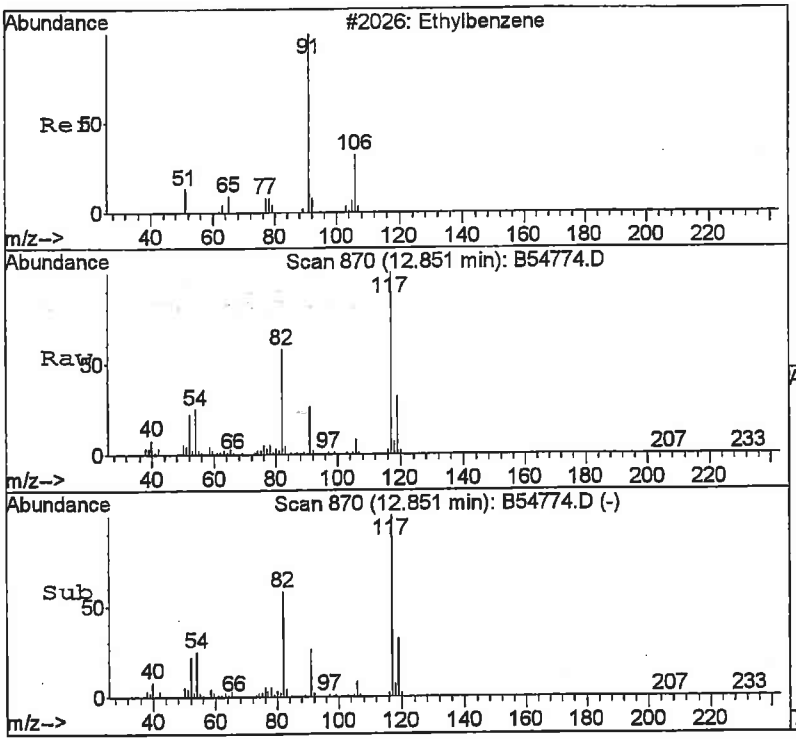


#64
1-chlorohexane
Concen: 18.98 ppb
RT: 12.85 min Scan# 870
Delta R.T. 0.06 min
Lab File: B54774.D
Acq: 29 Dec 2008 16:58

Tgt Ion: 91 Resp: 187620

Ion	Ratio	Lower	Upper
91	100		
55	6.6	46.1	85.7#
93	0.0	22.3	41.3#

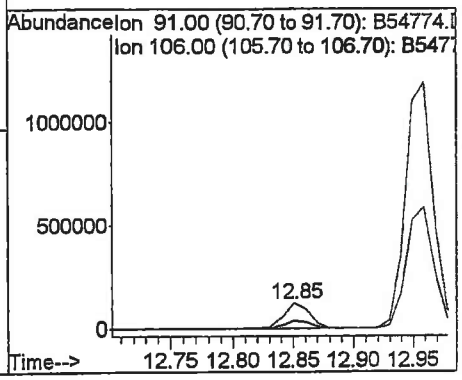


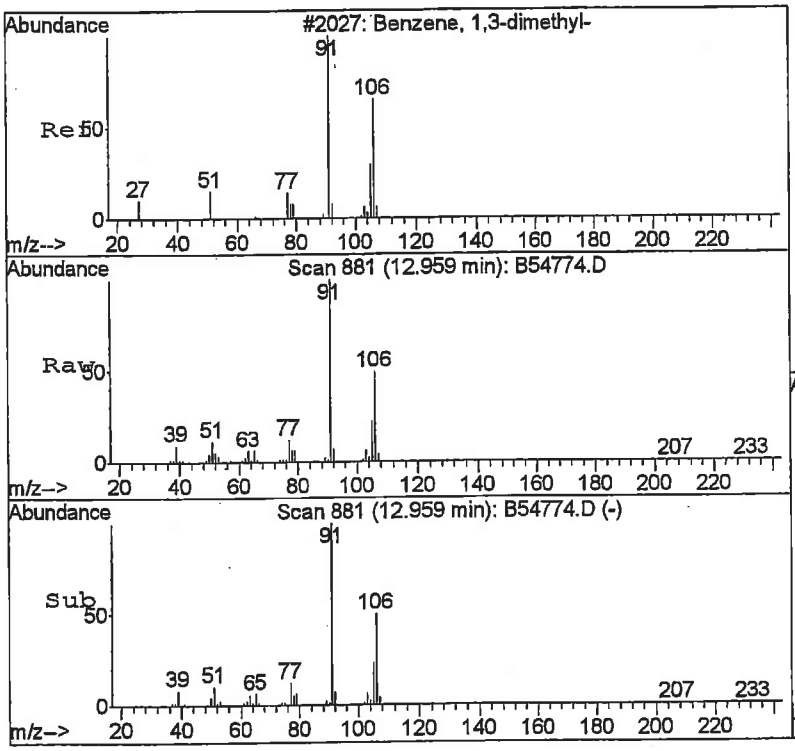


#66
ethylbenzene
Concen: 6.36 ppb
RT: 12.85 min Scan# 870
Delta R.T. 0.00 min
Lab File: B54774.D
Acq: 29 Dec 2008 16:58

Tgt Ion: 91 Resp: 187620

Ion	Ratio	Lower	Upper
91	100		
106	30.5	21.0	39.0

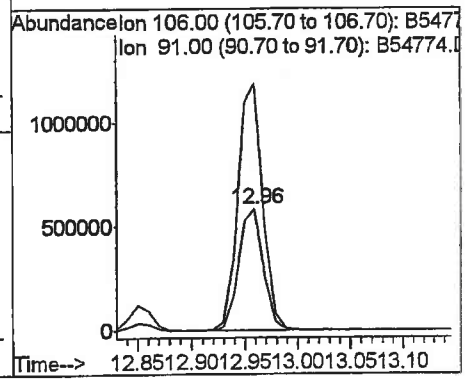


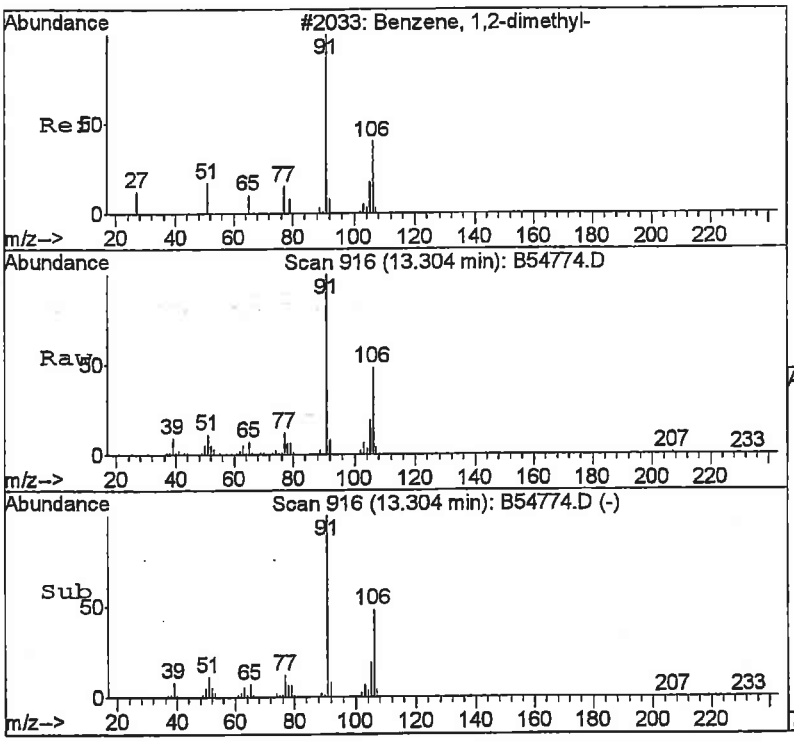


#68
m,p-xylene
Concen: 83.71 ppb
RT: 12.96 min Scan# 881
Delta R.T. 0.00 min
Lab File: B54774.D
Acq: 29 Dec 2008 16:58

Tgt Ion:106 Resp: 948549

Ion	Ratio	Lower	Upper
106	100		
91	203.1	138.0	256.2

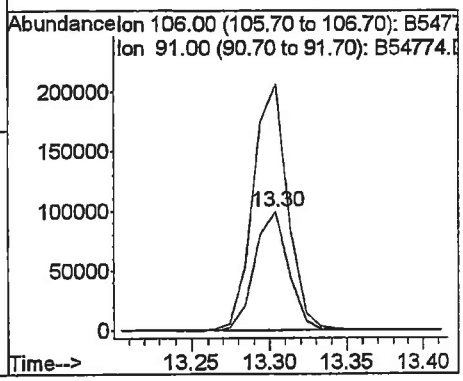


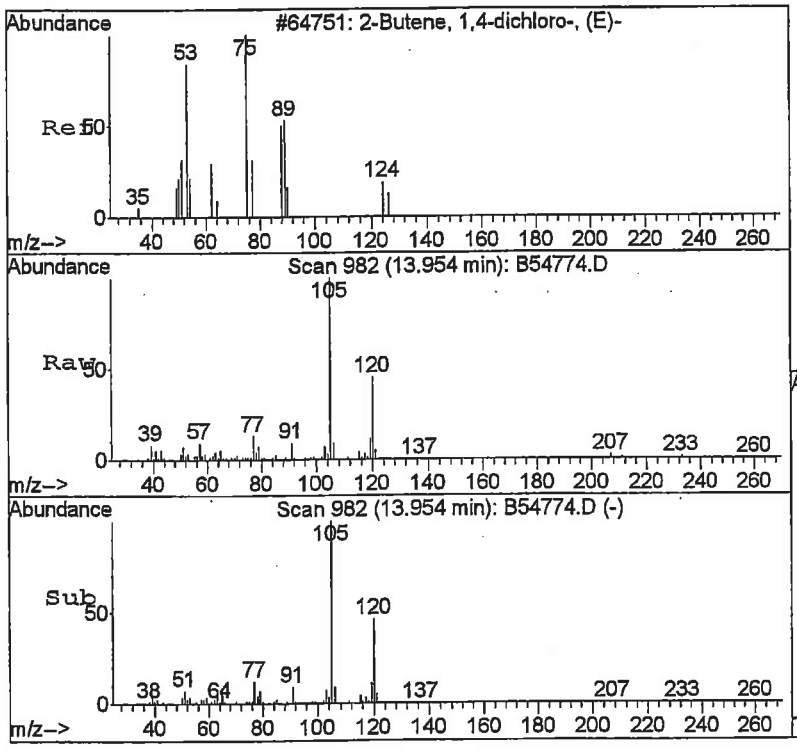


#69
o-xylene
Concen: 13.20 ppb
RT: 13.30 min Scan# 916
Delta R.T. 0.00 min
Lab File: B54774.D
Acq: 29 Dec 2008 16:58

Tgt Ion:106 Resp: 151502

Ion	Ratio	Lower	Upper
106	100		
91	206.5	143.7	266.9

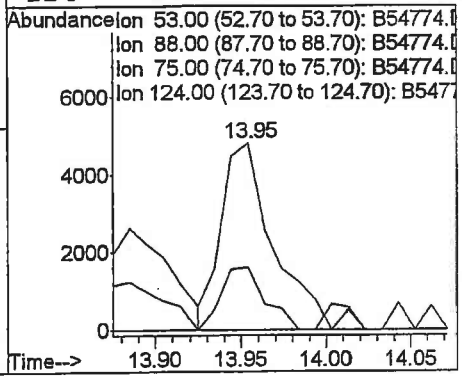


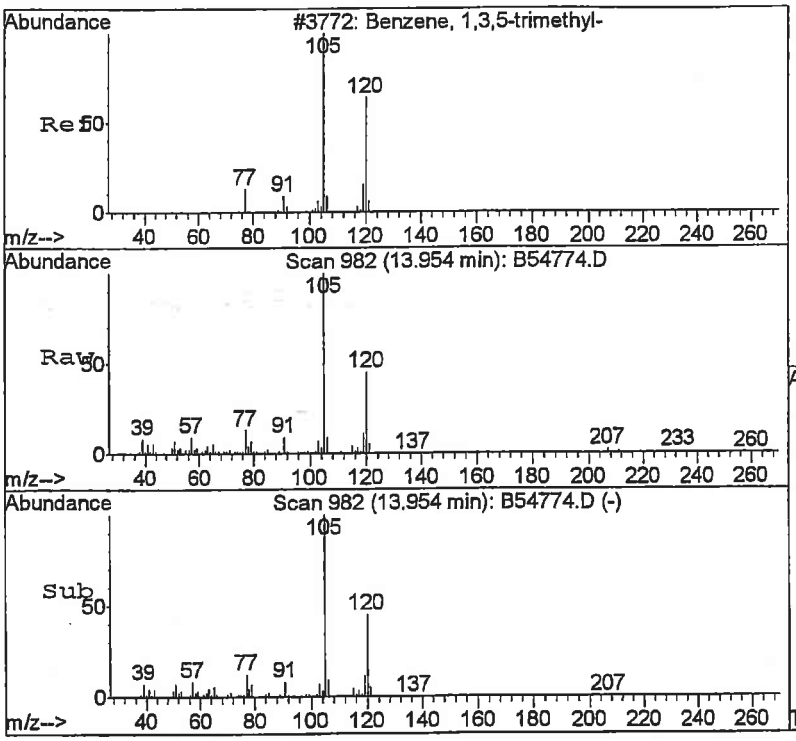


#77
trans-1,4-dichloro-2-butene
Concen: 5.89 ppb
RT: 13.95 min Scan# 982
Delta R.T. -0.05 min
Lab File: B54774.D
Acq: 29 Dec 2008 16:58

Tgt Ion: 53 Resp: 10361

Ion	Ratio	Lower	Upper
53	100		
88	0.0	33.2	61.7#
75	33.4	278.7	517.7#
124	0.0	16.2	30.0#

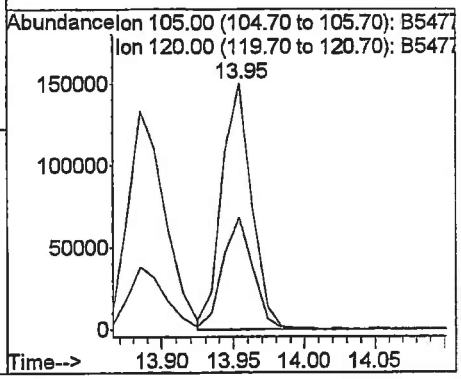


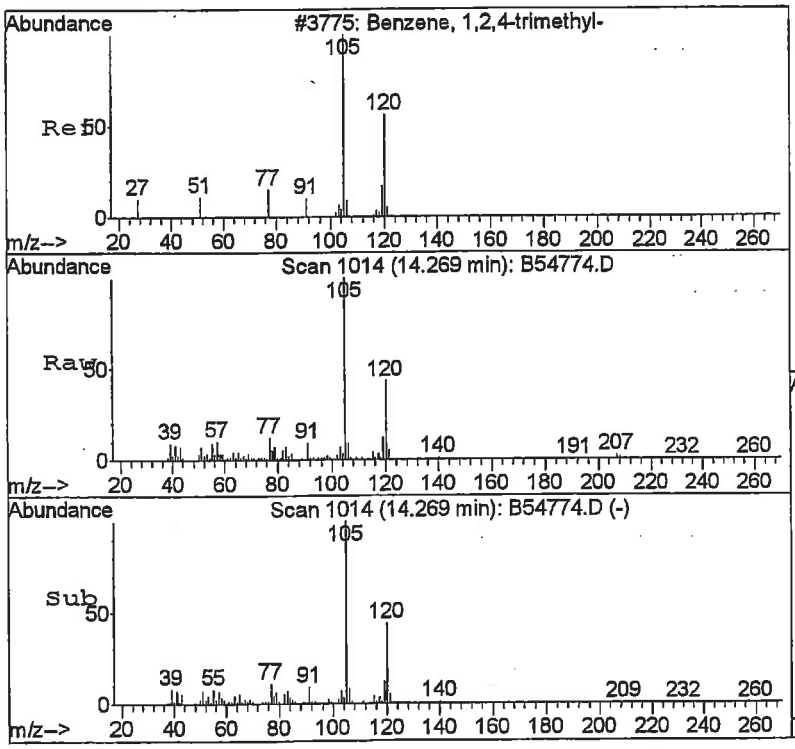


#80
1,3,5-trimethylbenzene
Concen: 8.87 ppb
RT: 13.95 min Scan# 982
Delta R.T. 0.00 min
Lab File: B54774.D
Acq: 29 Dec 2008 16:58

Tgt Ion:105 Resp: 219213

Ion	Ratio	Lower	Upper
105	100		
120	45.3	32.9	61.1

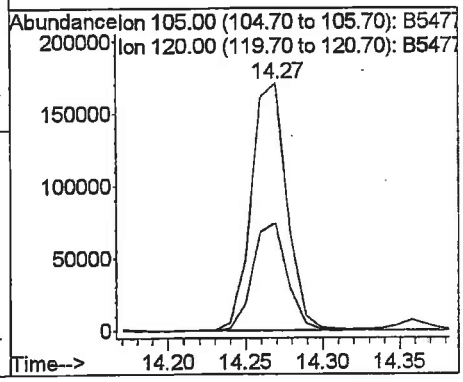




#84
1,2,4-trimethylbenzene
Concen: 11.27 ppb
RT: 14.27 min Scan# 1014
Delta R.T. 0.01 min
Lab File: B54774.D
Acq: 29 Dec 2008 16:58

Tgt Ion:105 Resp: 275936

Ion	Ratio	Lower	Upper
105	100		
120	43.4	28.9	53.7



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122908\B54775.D Vial: 12
Acq On : 29 Dec 2008 17:21 Operator: TWK-sop525r12
Sample : 0812200-10 250X Inst : CSS Instr
Misc : 5mL heated water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 10:11 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.16	96	1250963	50.00	ppb		0.00
53) chlorobenzene-d5	12.86	117	915736	50.00	ppb		0.01
74) 1,4-dichlorobenzene-d4	14.64	152	349809	50.00	ppb		0.00
System Monitoring Compounds							
34) dibromofluoromethane	9.33	113	389501	51.25	ppb		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 102.50%				
39) 1,2-dichloroethane-d4	9.90	65	307556	50.89	ppb		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 101.78%				
54) toluene-d8	11.56	100	759202	50.19	ppb		0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 100.38%				
73) 4-bromofluorobenzene	13.77	174	267323	48.32	ppb		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 96.64%				
Target Compounds							Qvalue
8) ethanol	6.40	45	28702	322.89	ppb		97
12) acetone	7.37	58	6058	Below Cal		#	41
40) tert-amyl methyl ether	9.78	73	39264	2.20	ppb	#	56
41) benzene	9.78	78	2115243	79.87	ppb		95
55) toluene	11.61	91	3823564	139.76	ppb		99
58) 1,1,2-trichloroethane	12.11	83	39926	7.48	ppb	#	6
66) ethylbenzene	12.85	91	142546	4.80	ppb		99
68) m,p-xylene	12.95	106	717955	62.91	ppb		95
69) o-xylene	13.31	106	107864	9.33	ppb		96
77) trans-1,4-dichloro-2-buten	13.96	53	5978	3.42	ppb	#	1
80) 1,3,5-trimethylbenzene	13.96	105	125254	5.10	ppb		98
84) 1,2,4-trimethylbenzene	14.26	105	145982	6.00	ppb		96

ar 12/10/08

(#) = qualifier out of range (m) = manual integration
B54775.D 111408S.M Tue Dec 30 10:11:33 2008 Page 1

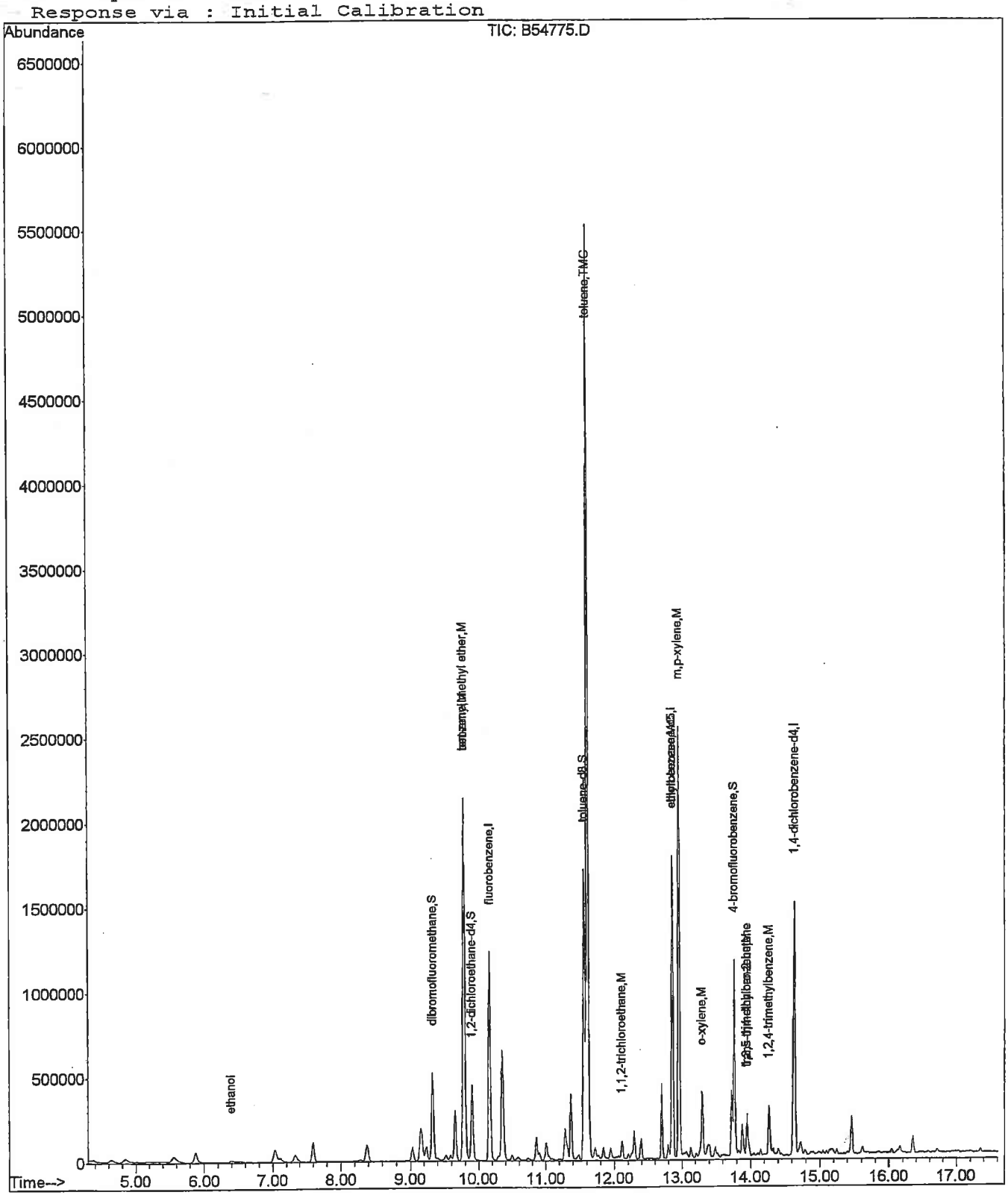
Quantitation Report

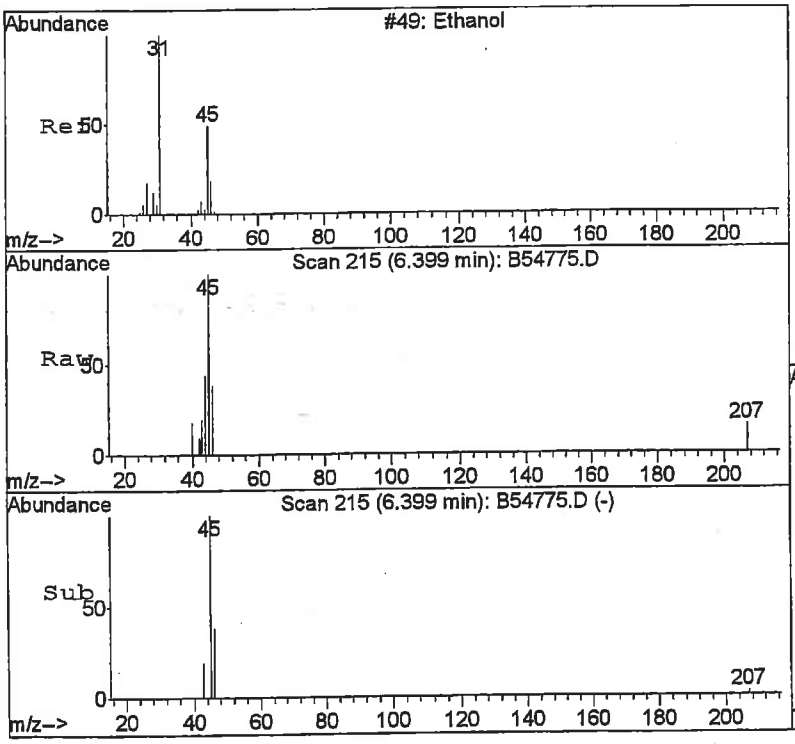
Data File : C:\HPCHEM\1\DATA\122908\B54775.D
Acq On : 29 Dec 2008 17:21
Sample : 0812200-10 250X
Misc : 5mL heated water
MS Integration Params: rteint.p
Quant Time: Dec 30 10:11 2008

Vial: 12
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration

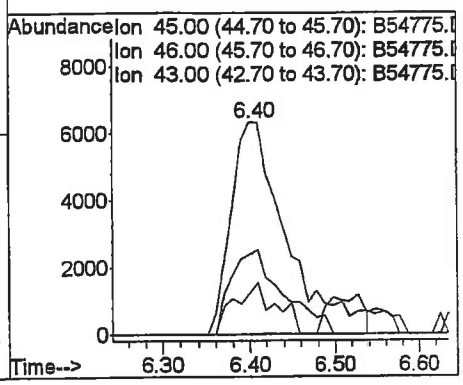


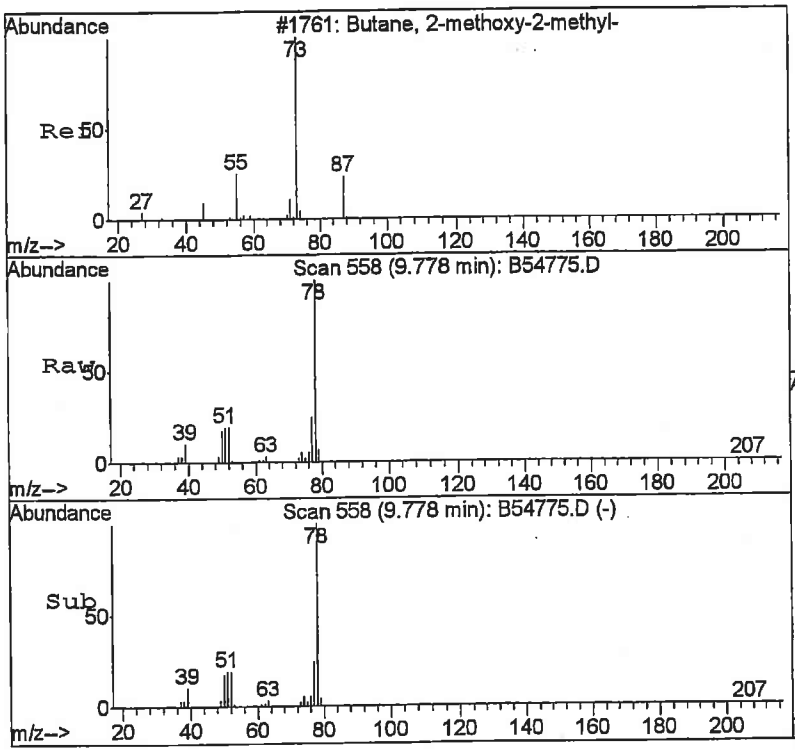


#8
ethanol
Concen: 322.89 ppb
RT: 6.40 min Scan# 215
Delta R.T. 0.00 min
Lab File: B54775.D
Acq: 29 Dec 2008 17:21

Tgt Ion: 45 Resp: 28702

Ion	Ratio	Lower	Upper
45	100		
46	37.4	28.1	52.3
43	18.0	12.9	23.9

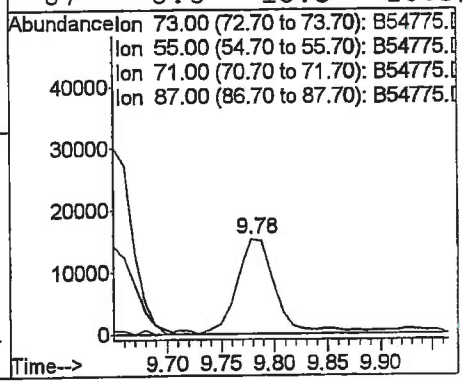


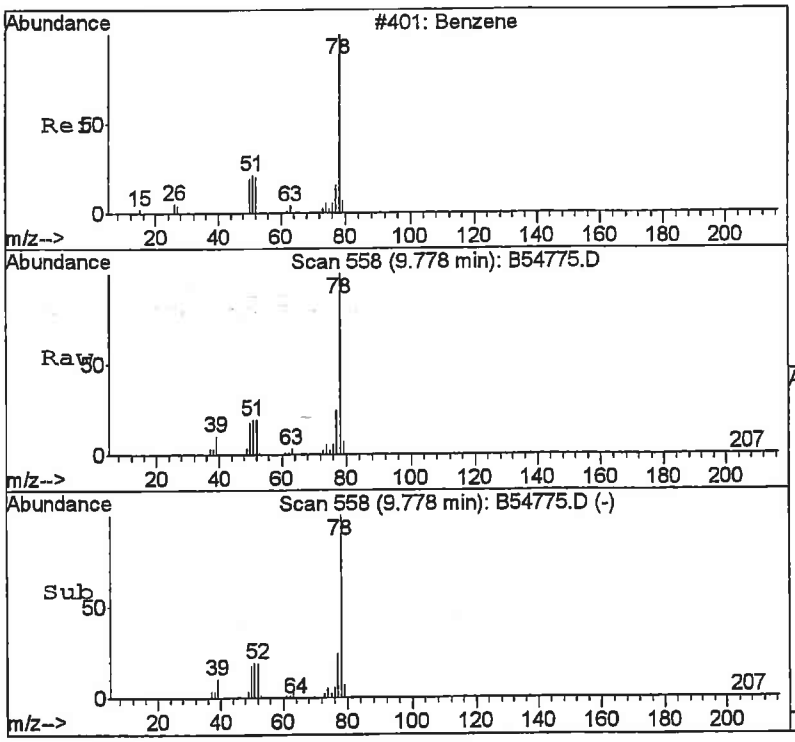


#40
tert-amyl methyl ether
Concen: 2.20 ppb
RT: 9.78 min Scan# 558
Delta R.T. -0.04 min
Lab File: B54775.D
Acq: 29 Dec 2008 17:21

Tgt Ion: 73 Resp: 39264

Ion	Ratio	Lower	Upper
73	100		
55	0.0	17.6	32.8#
71	0.0	6.9	12.9#
87	0.0	15.3	28.3#

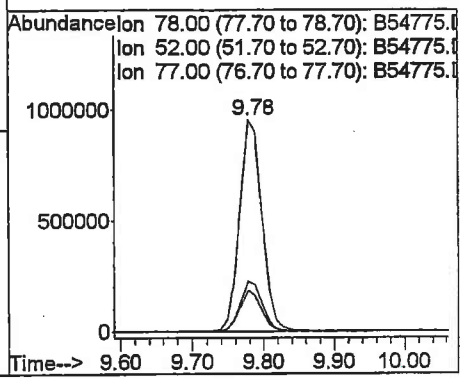


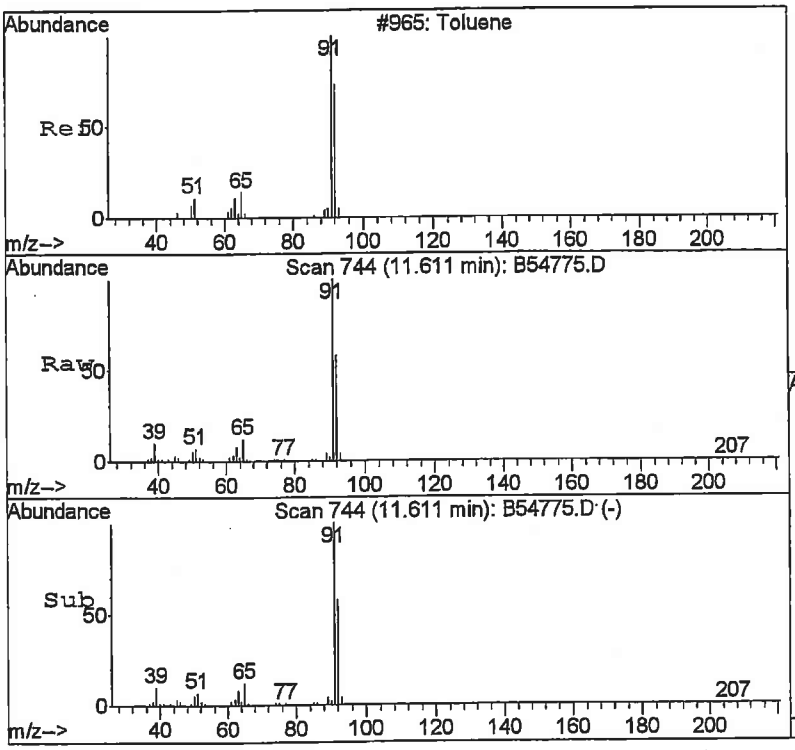


#41
benzene
Concen: 79.87 ppb
RT: 9.78 min Scan# 558
Delta R.T. 0.00 min
Lab File: B54775.D
Acq: 29 Dec 2008 17:21

Tgt Ion: 78 Resp: 2115243

Ion	Ratio	Lower	Upper
78	100		
52	19.2	16.7	30.9
77	23.8	16.2	30.2

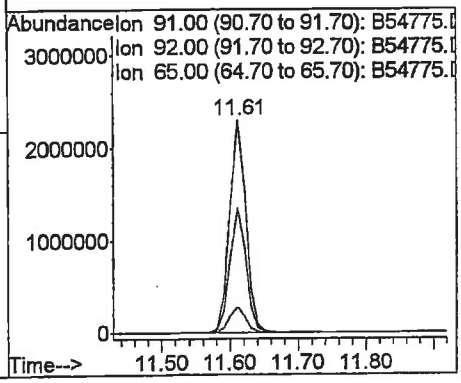


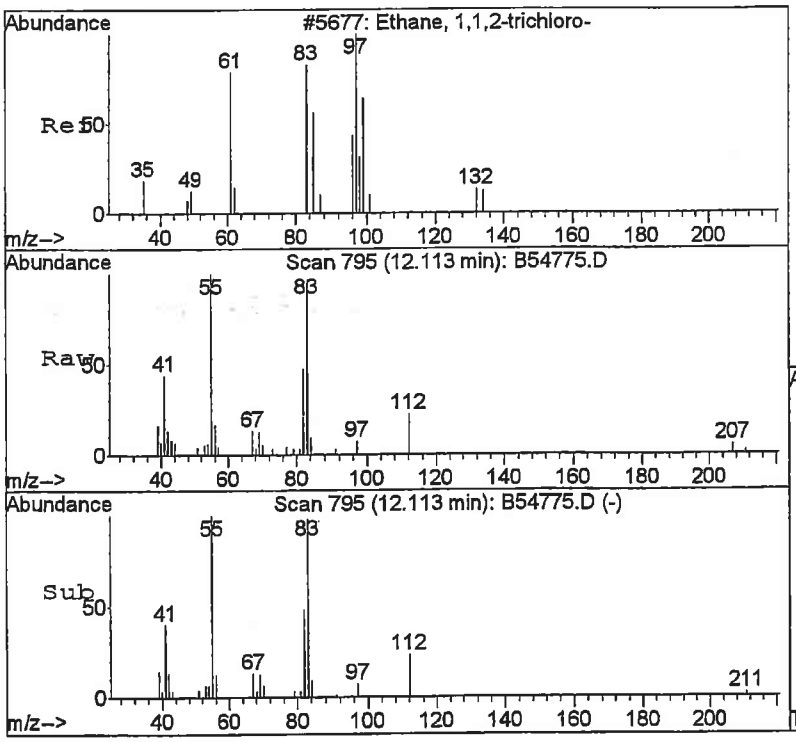


#55
toluene
Concen: 139.76 ppb
RT: 11.61 min Scan# 744
Delta R.T. 0.00 min
Lab File: B54775.D
Acq: 29 Dec 2008 17:21

Tgt Ion: 91 Resp: 3823564

Ion	Ratio	Lower	Upper
91	100		
92	58.5	41.6	77.2
65	11.8	8.2	15.2

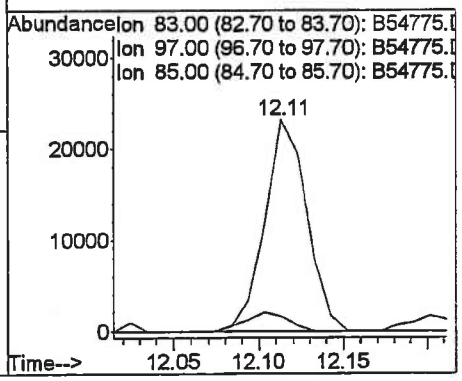


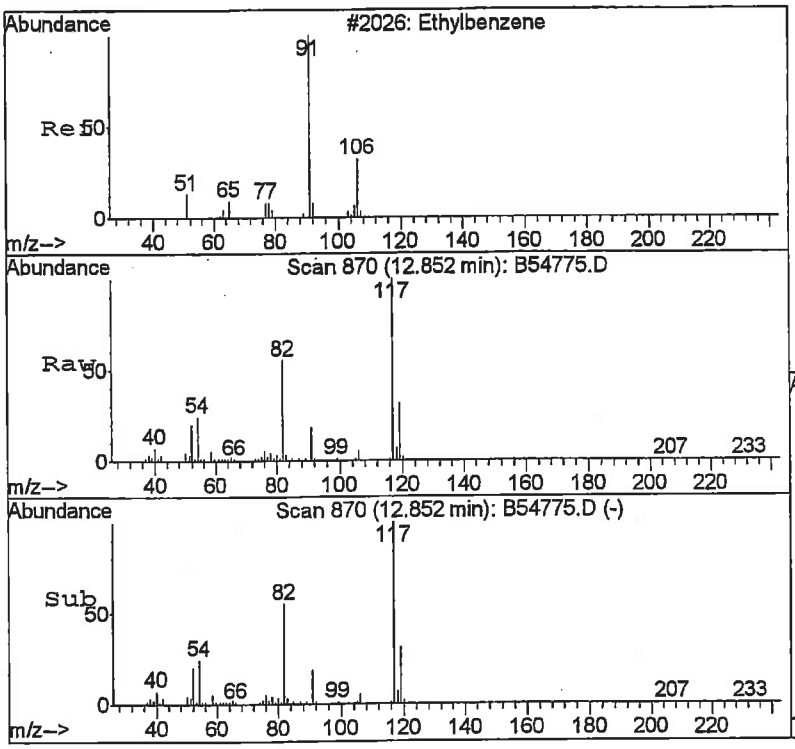


#58
1,1,2-trichloroethane
Concen: 7.48 ppb
RT: 12.11 min Scan# 795
Delta R.T. 0.04 min
Lab File: B54775.D
Acq: 29 Dec 2008 17:21

Tgt Ion: 83 Resp: 39926

Ion	Ratio	Lower	Upper
83	100		
97	7.0	81.8	152.0#
85	0.0	45.4	84.4#

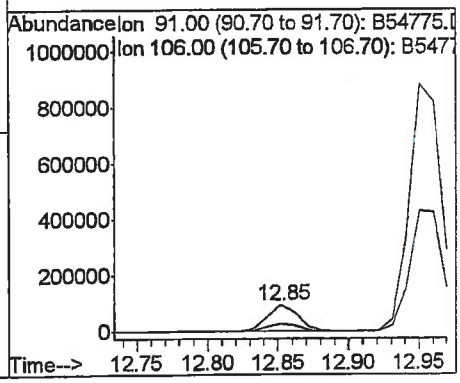


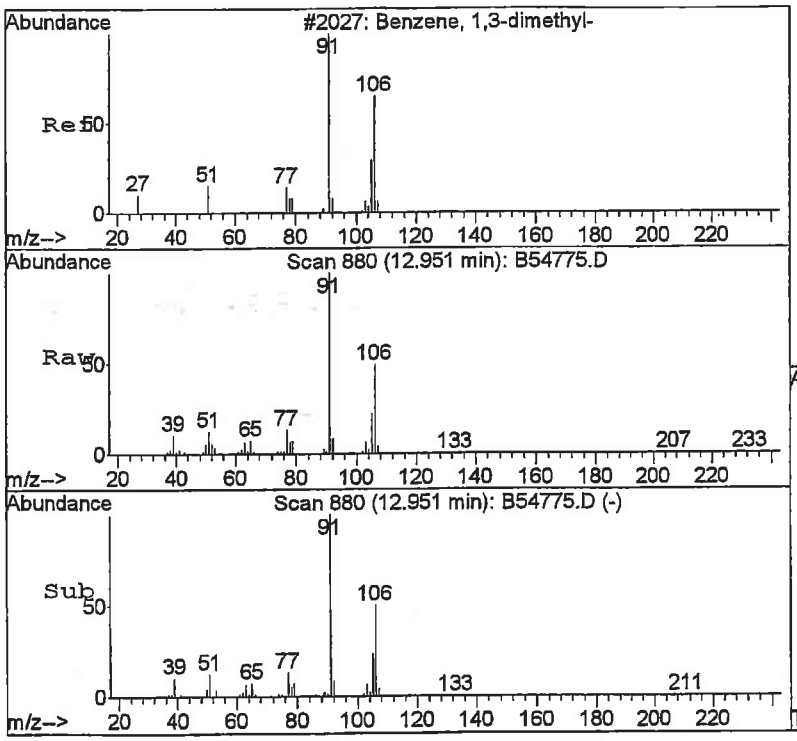


#66
ethylbenzene
Concen: 4.80 ppb
RT: 12.85 min Scan# 870
Delta R.T. 0.00 min
Lab File: B54775.D
Acq: 29 Dec 2008 17:21

Tgt Ion: 91 Resp: 142546

Ion	Ratio	Lower	Upper
91	100		
106	29.6	21.0	39.0

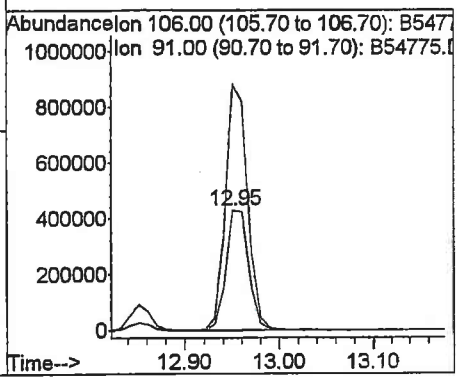


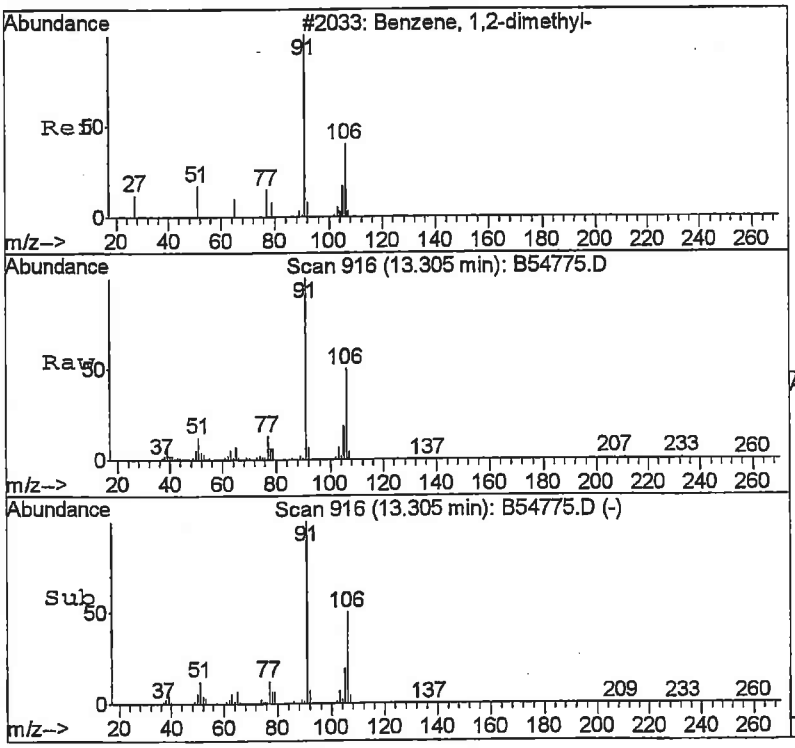


#68
m,p-xylene
Concen: 62.91 ppb
RT: 12.95 min Scan# 880
Delta R.T. -0.01 min
Lab File: B54775.D
Acq: 29 Dec 2008 17:21

Tgt Ion:106 Resp: 717955

Ion	Ratio	Lower	Upper
106	100		
91	205.0	138.0	256.2

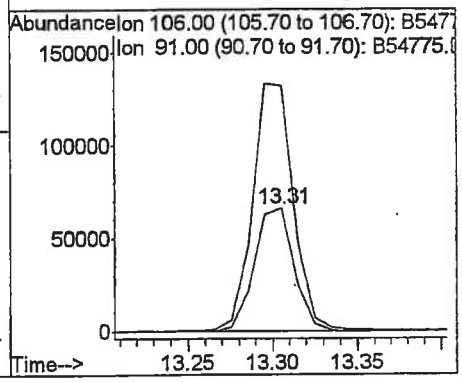


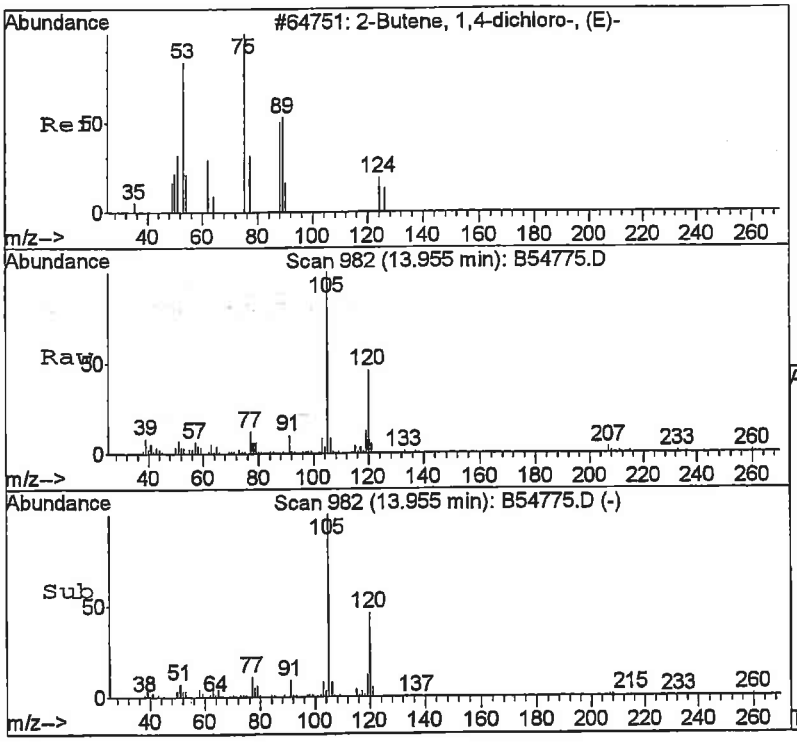


#69
o-xylene
Concen: 9.33 ppb
RT: 13.31 min Scan# 916
Delta R.T. 0.00 min
Lab File: B54775.D
Acq: 29 Dec 2008 17:21

Tgt Ion:106 Resp: 107864

Ion	Ratio	Lower	Upper
106	100		
91	199.1	143.7	266.9

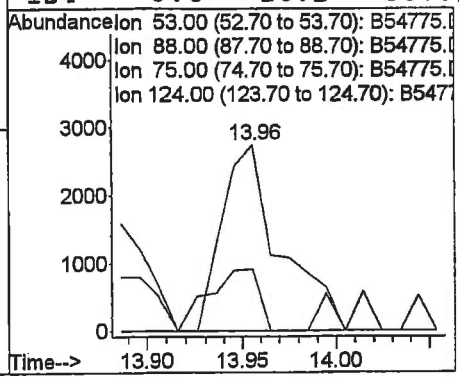


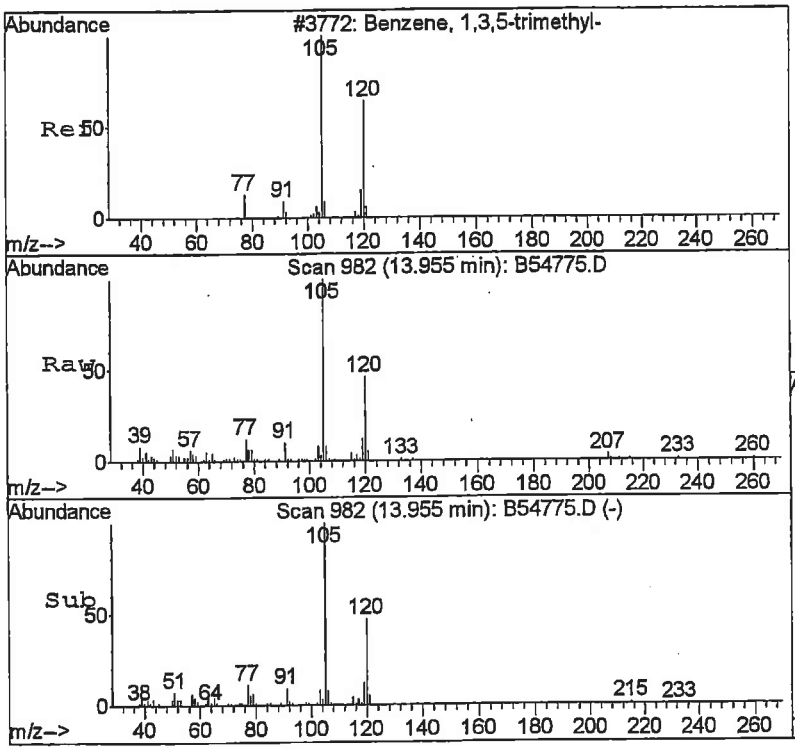


#77
trans-1,4-dichloro-2-butene
Concen: 3.42 ppb
RT: 13.96 min Scan# 982
Delta R.T. -0.05 min
Lab File: B54775.D
Acq: 29 Dec 2008 17:21

Tgt Ion: 53 Resp: 5978

Ion	Ratio	Lower	Upper
53	100		
88	0.0	33.2	61.7#
75	14.5	278.7	517.7#
124	0.0	16.2	30.0#

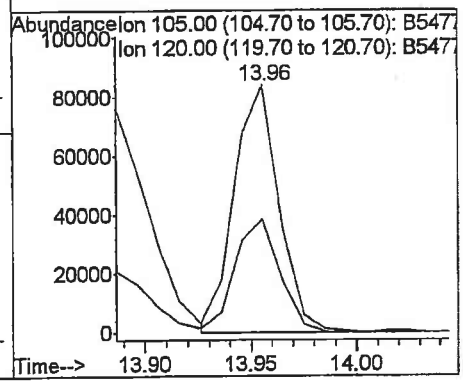


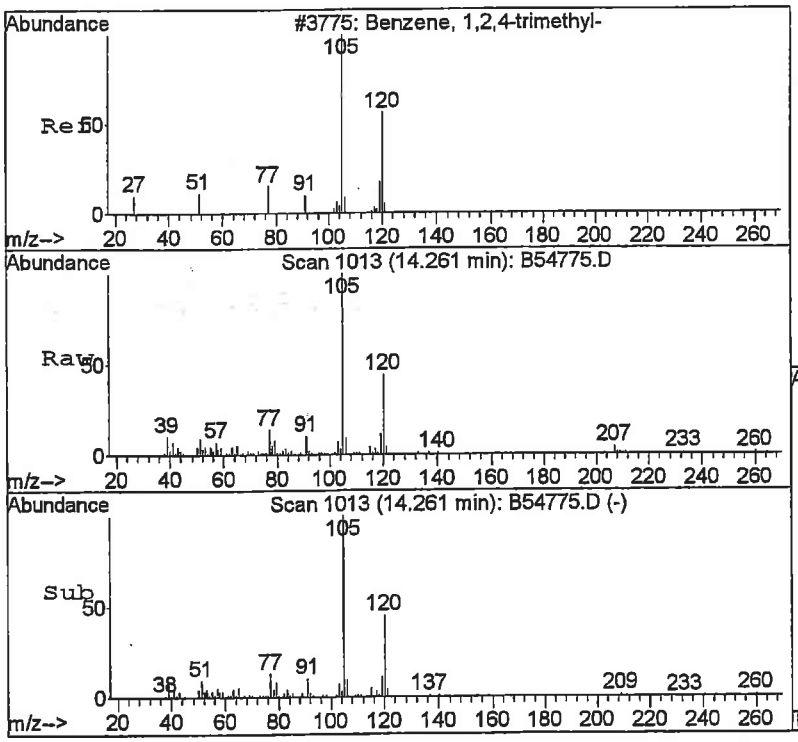


#80
1,3,5-trimethylbenzene
Concen: 5.10 ppb
RT: 13.96 min Scan# 982
Delta R.T. 0.00 min
Lab File: B54775.D
Acq: 29 Dec 2008 17:21

Tgt Ion:105 Resp: 125254

Ion	Ratio	Lower	Upper
105	100		
120	46.0	32.9	61.1

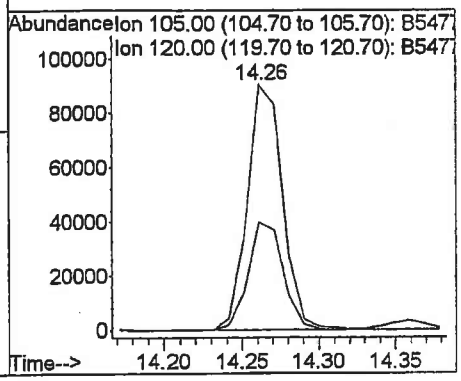




#84
1,2,4-trimethylbenzene
Concen: 6.00 ppb
RT: 14.26 min Scan# 1013
Delta R.T. 0.00 min
Lab File: B54775.D
Acq: 29 Dec 2008 17:21

Tgt Ion:105 Resp: 145982

Ion	Ratio	Lower	Upper
105	100		
120	43.9	28.9	53.7



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122908\B54776.D
Acq On : 29 Dec 2008 17:43
Sample : 0812200-11 200X
Misc : 5mL heated water
MS Integration Params: rteint.p
Quant Time: Dec 30 10:11 2008

Vial: 13
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.16	96	1203092	50.00	ppb		0.00
53) chlorobenzene-d5	12.86	117	883325	50.00	ppb		0.00
74) 1,4-dichlorobenzene-d4	14.63	152	336949	50.00	ppb		0.00
System Monitoring Compounds							
34) dibromofluoromethane	9.32	113	377680	51.67	ppb		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 103.34%				
39) 1,2-dichloroethane-d4	9.90	65	295767	50.89	ppb		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 101.78%				
54) toluene-d8	11.57	100	749454	51.36	ppb		0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 102.72%				
73) 4-bromofluorobenzene	13.77	174	256509	48.07	ppb		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 96.14%				
Target Compounds							Qvalue
8) ethanol	6.40	45	22211	259.81	ppb		94
12) acetone	7.36	58	5191	Below Cal			78
41) benzene	9.79	78	1525150	59.88	ppb		94
55) toluene	11.61	91	2832738	107.34	ppb		99
58) 1,1,2-trichloroethane	12.12	83	24778	4.81	ppb	#	2
64) 1-chlorohexane	12.85	91	113684	11.84	ppb	#	33
66) ethylbenzene	12.85	91	113684	3.97	ppb		99
68) m,p-xylene	12.96	106	551825	50.13	ppb		99
69) o-xylene	13.30	106	90643	8.13	ppb		98
77) trans-1,4-dichloro-2-buten	13.94	53	5449	3.23	ppb	#	1
80) 1,3,5-trimethylbenzene	13.95	105	96328	4.07	ppb		98
84) 1,2,4-trimethylbenzene	14.27	105	126374	5.39	ppb		94

12/30/08

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

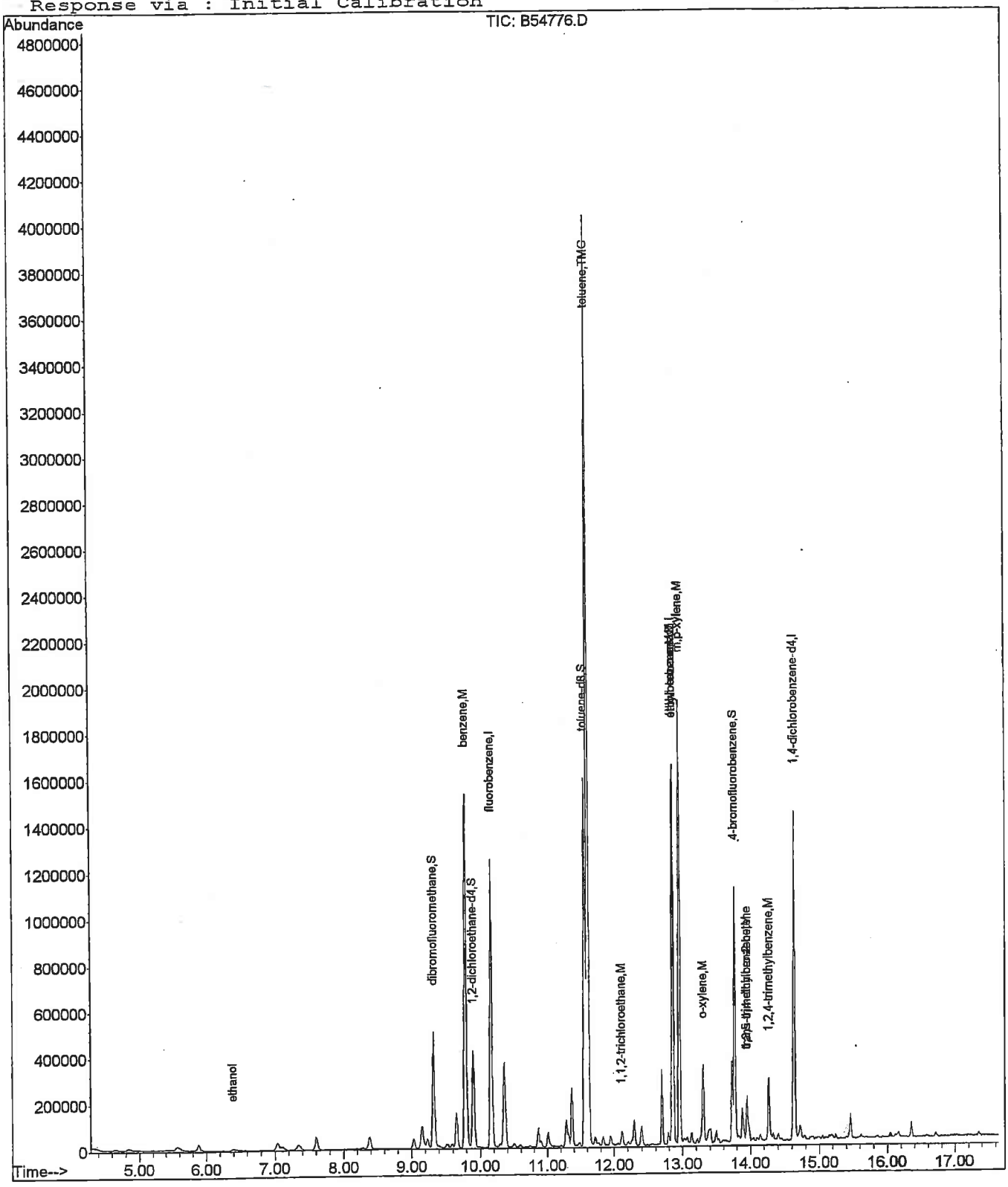
Quantitation Report

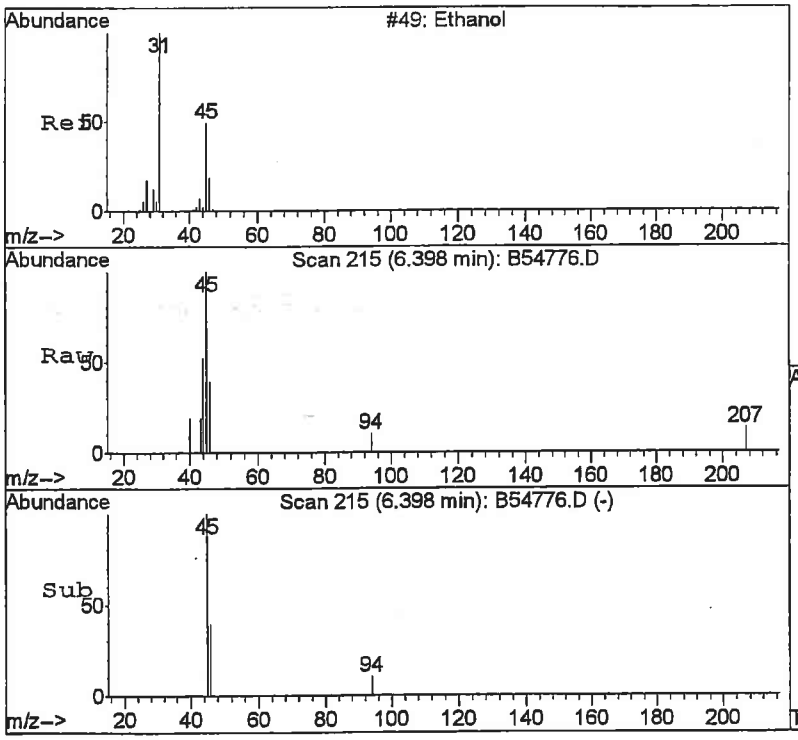
Data File : C:\HPCHEM\1\DATA\122908\B54776.D
Acq On : 29 Dec 2008 17:43
Sample : 0812200-11 200X
Misc : 5mL heated water
MS Integration Params: rteint.p
Quant Time: Dec 30 10:11 2008

Vial: 13
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration

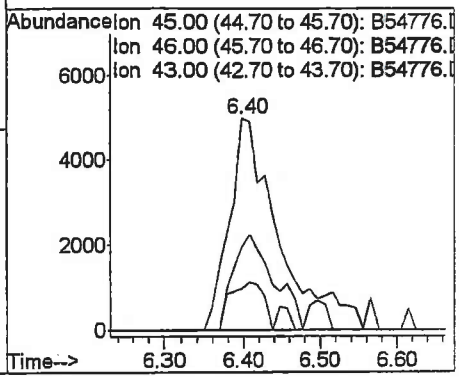


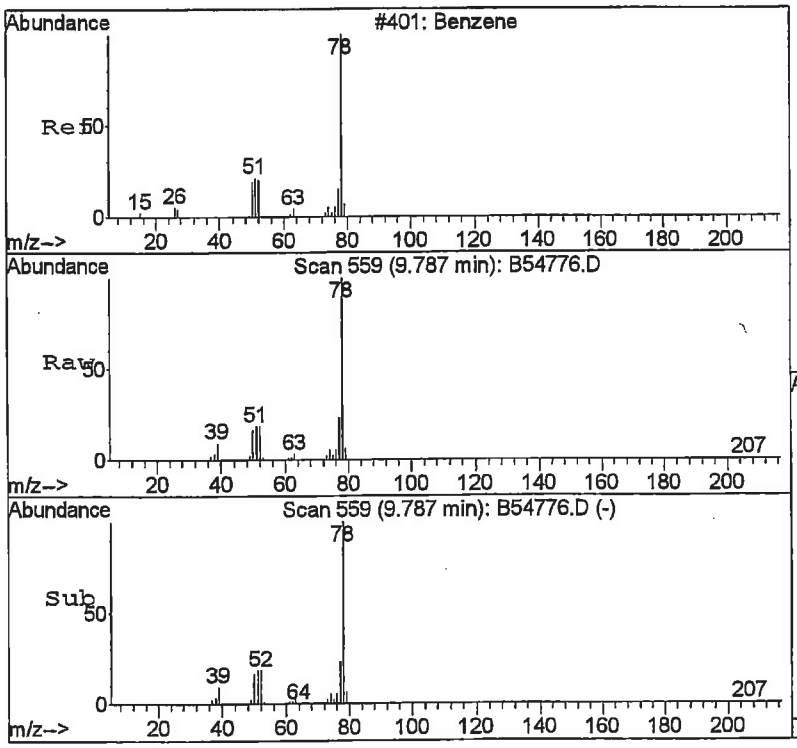


#8
ethanol
Concen: 259.81 ppb
RT: 6.40 min Scan# 215
Delta R.T. 0.00 min
Lab File: B54776.D
Acq: 29 Dec 2008 17:43

Tgt Ion: 45 Resp: 22211

Ion	Ratio	Lower	Upper
45	100		
46	37.1	28.1	52.3
43	15.2	12.9	23.9

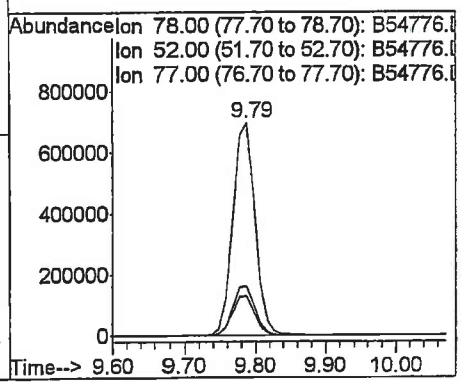


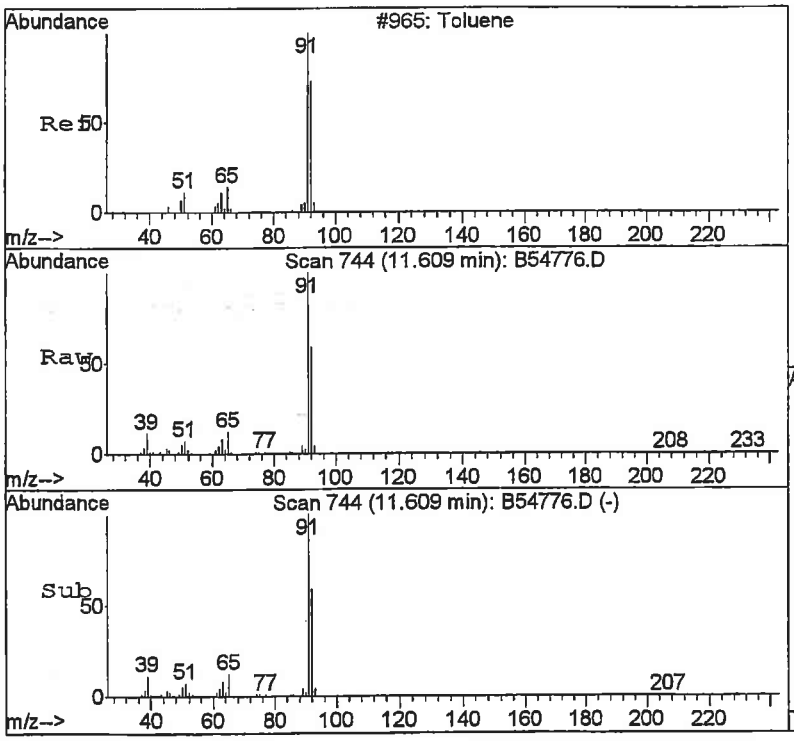


#41
benzene
Concen: 59.88 ppb
RT: 9.79 min Scan# 559
Delta R.T. 0.01 min
Lab File: B54776.D
Acq: 29 Dec 2008 17:43

Tgt Ion: 78 Resp: 1525150

Ion	Ratio	Lower	Upper
78	100		
52	18.4	16.7	30.9
77	23.1	16.2	30.2

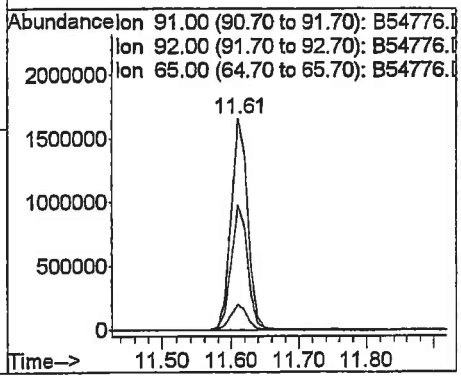


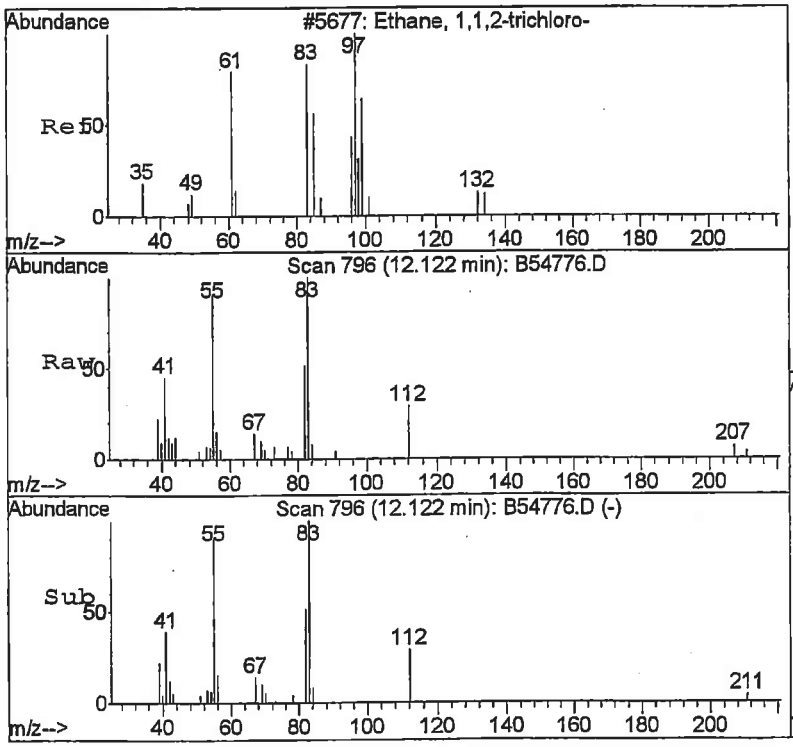


#55
toluene
Concen: 107.34 ppb
RT: 11.61 min Scan# 744
Delta R.T. 0.00 min
Lab File: B54776.D
Acq: 29 Dec 2008 17:43

Tgt Ion: 91 Resp: 2832738

Ion	Ratio	Lower	Upper
91	100		
92	58.9	41.6	77.2
65	11.9	8.2	15.2

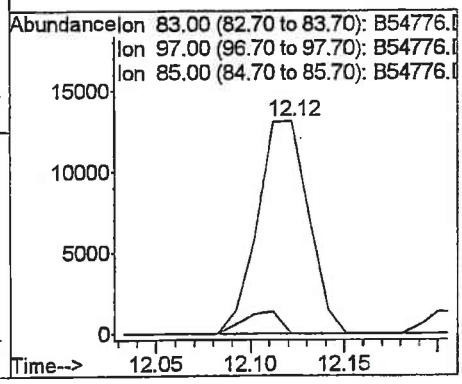


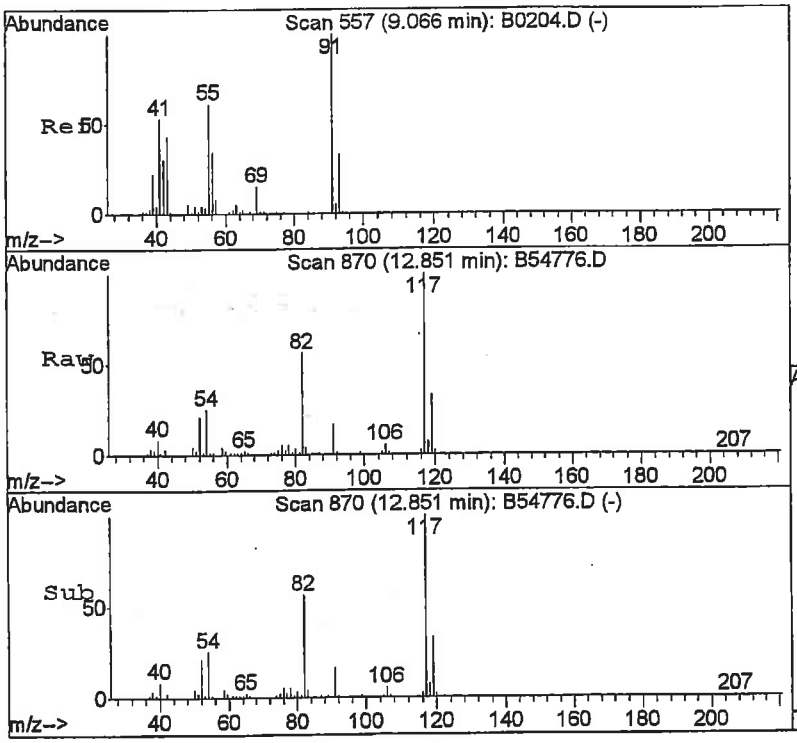


#58
1,1,2-trichloroethane
Concen: 4.81 ppb
RT: 12.12 min Scan# 796
Delta R.T. 0.05 min
Lab File: B54776.D
Acq: 29 Dec 2008 17:43

Tgt Ion: 83 Resp: 24778

Ion	Ratio	Lower	Upper
83	100		
97	0.0	81.8	152.0#
85	0.0	45.4	84.4#

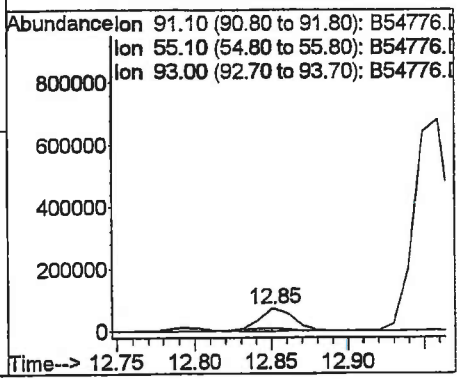


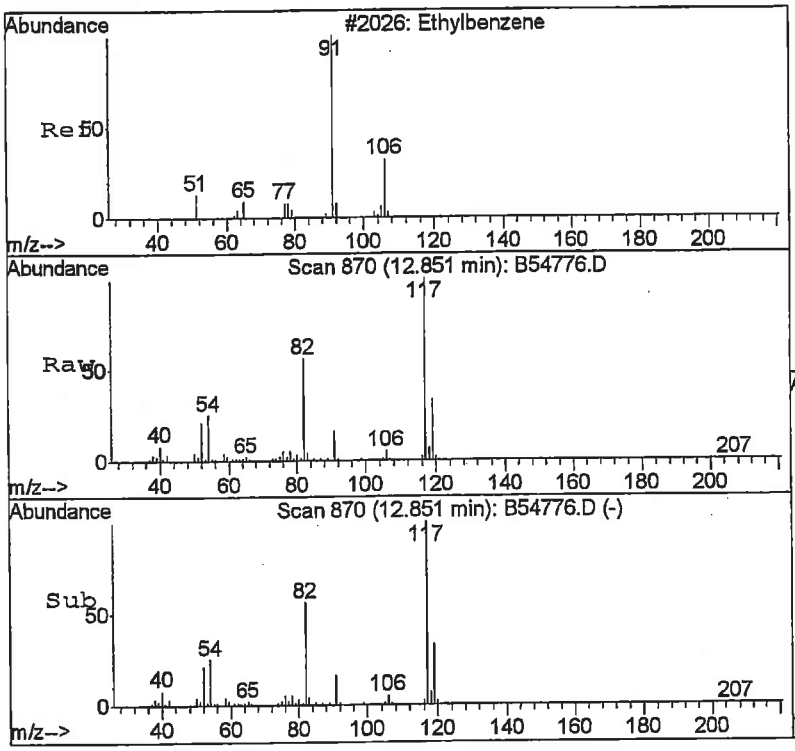


#64
1-chlorohexane
Concen: 11.84 ppb
RT: 12.85 min Scan# 870
Delta R.T. 0.06 min
Lab File: B54776.D
Acq: 29 Dec 2008 17:43

Tgt Ion: 91 Resp: 113684

Ion	Ratio	Lower	Upper
91	100		
55	9.1	46.1	85.7#
93	0.0	22.3	41.3#

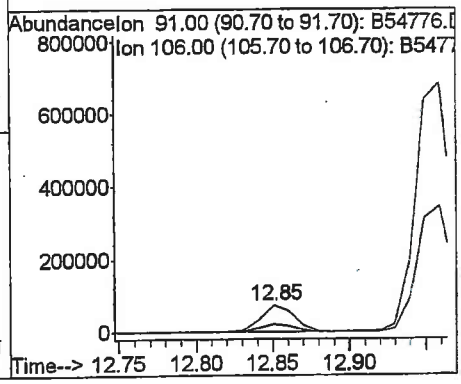


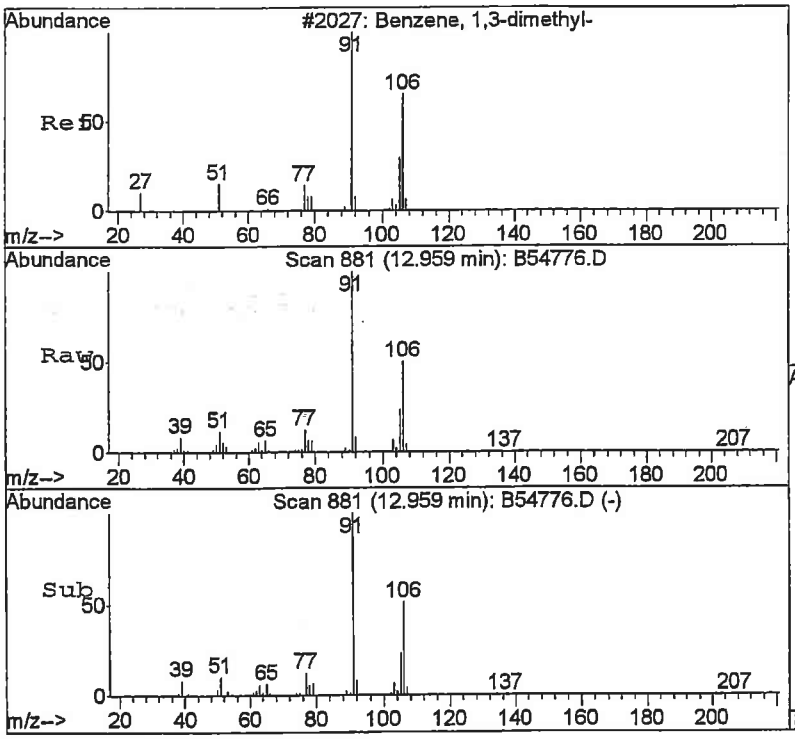


#66
ethylbenzene
Concen: 3.97 ppb
RT: 12.85 min Scan# 870
Delta R.T. 0.00 min
Lab File: B54776.D
Acq: 29 Dec 2008 17:43

Tgt Ion: 91 Resp: 113684

Ion	Ratio	Lower	Upper
91	100		
106	29.5	21.0	39.0

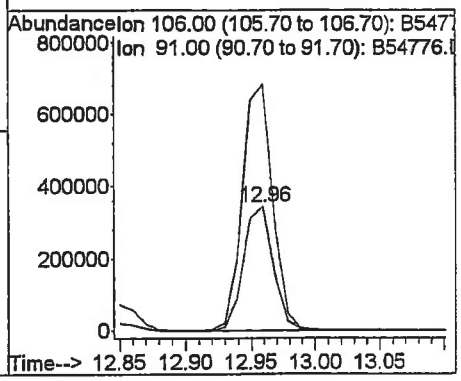


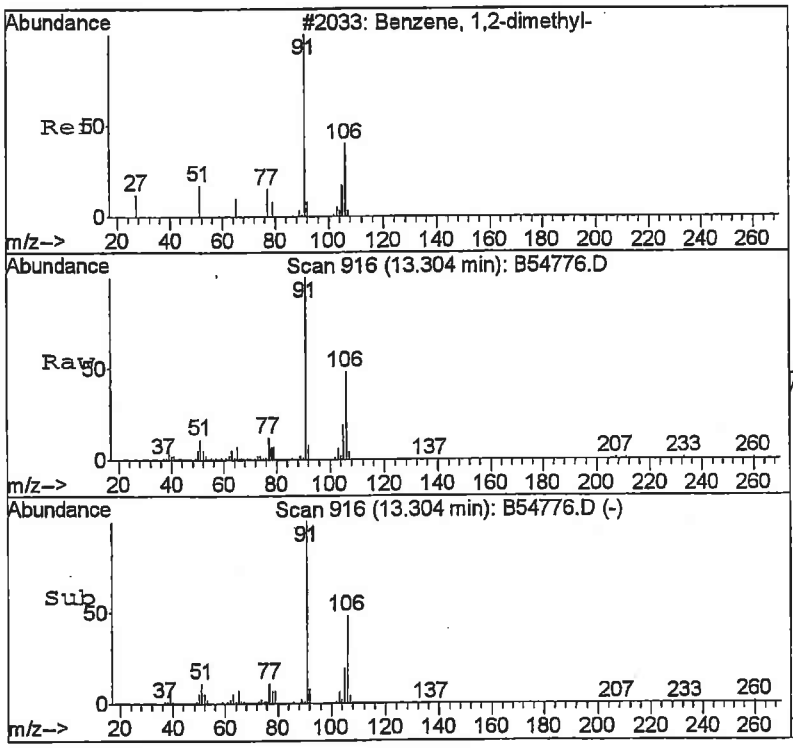


#68
m,p-xylene
Concen: 50.13 ppb
RT: 12.96 min Scan# 881
Delta R.T. 0.00 min
Lab File: B54776.D
Acq: 29 Dec 2008 17:43

Tgt Ion:106 Resp: 551825

Ion	Ratio	Lower	Upper
106	100		
91	198.3	138.0	256.2

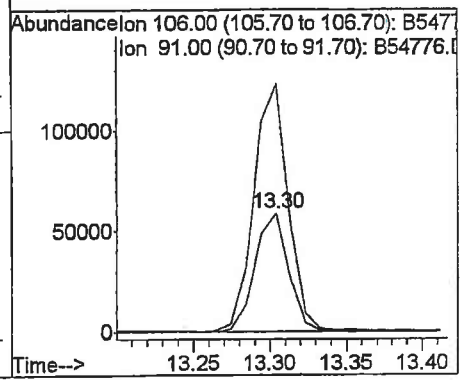


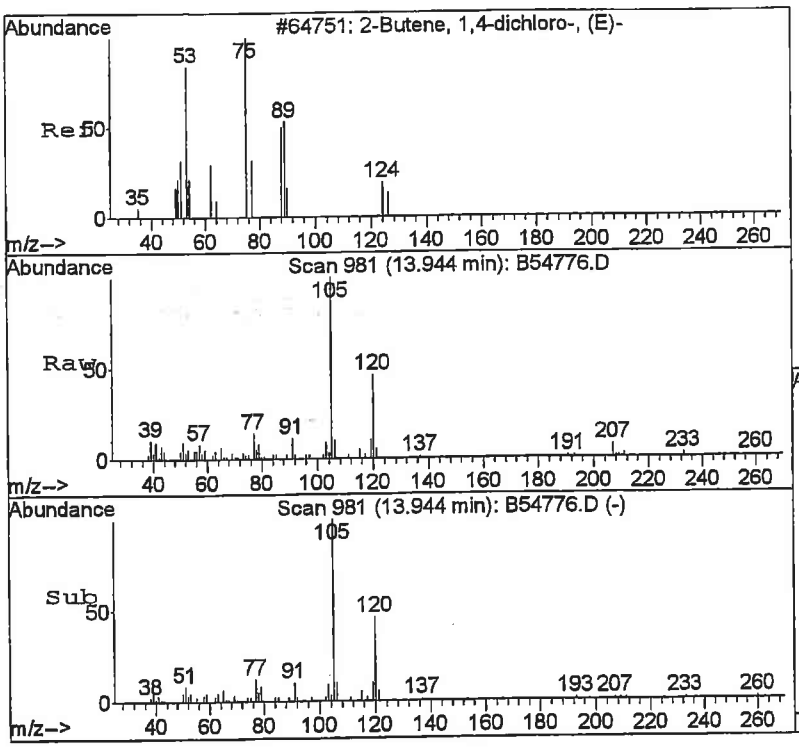


#69
o-xylene
Concen: 8.13 ppb
RT: 13.30 min Scan# 916
Delta R.T. 0.00 min
Lab File: B54776.D
Acq: 29 Dec 2008 17:43

Tgt Ion:106 Resp: 90643

Ion	Ratio	Lower	Upper
106	100		
91	208.6	143.7	266.9

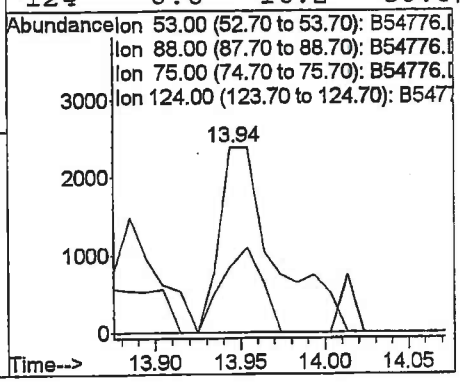


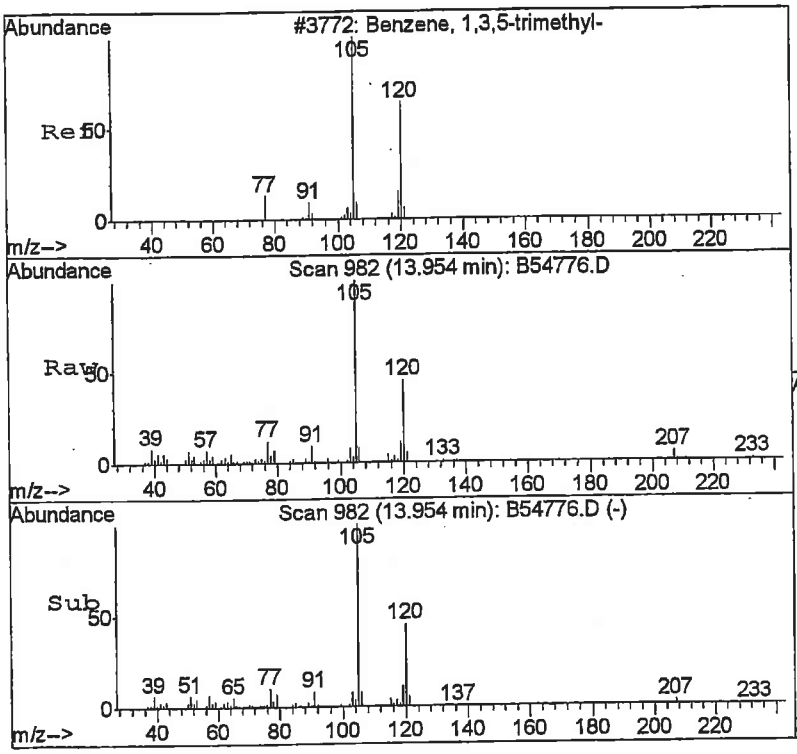


#77
trans-1,4-dichloro-2-butene
Concen: 3.23 ppb
RT: 13.94 min Scan# 981
Delta R.T. -0.06 min
Lab File: B54776.D
Acq: 29 Dec 2008 17:43

Tgt Ion: 53 Resp: 5449

Ion	Ratio	Lower	Upper
53	100		
88	0.0	33.2	61.7#
75	36.2	278.7	517.7#
124	0.0	16.2	30.0#

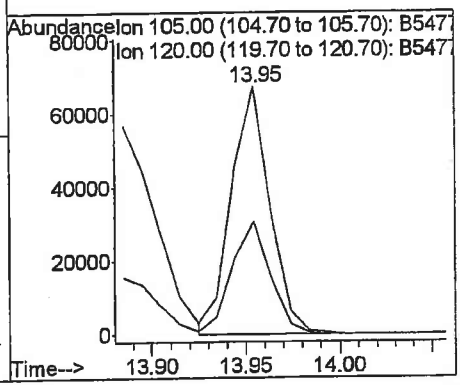


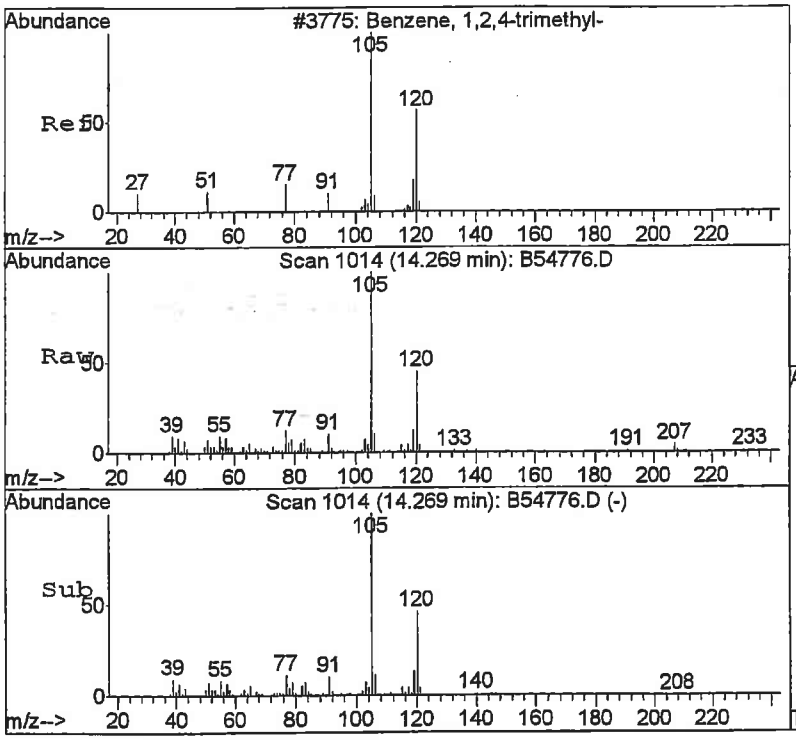


#80
1,3,5-trimethylbenzene
Concen: 4.07 ppb
RT: 13.95 min Scan# 982
Delta R.T. 0.00 min
Lab File: B54776.D
Acq: 29 Dec 2008 17:43

Tgt Ion:105 Resp: 96328

Ion	Ratio	Lower	Upper
105	100		
120	45.5	32.9	61.1

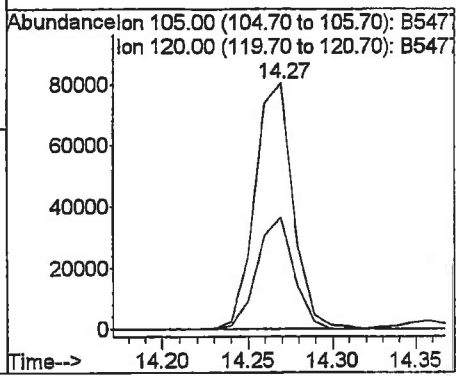




#84
1,2,4-trimethylbenzene
Concen: 5.39 ppb
RT: 14.27 min Scan# 1014
Delta R.T. 0.01 min
Lab File: B54776.D
Acq: 29 Dec 2008 17:43

Tgt Ion:105 Resp: 126374

Ion	Ratio	Lower	Upper
105	100		
120	45.3	28.9	53.7



Raw Data Quality Control Samples

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54702.D
Acq On : 23 Dec 2008 11:25
Sample : VL081223-2CCS
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Dec 23 12:01 2008

Vial: 6
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:44:45 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.19	96	1258617	50.00	ppb		0.05
53) chlorobenzene-d5	12.88	117	909718	50.00	ppb		0.04
74) 1,4-dichlorobenzene-d4	14.66	152	334671	50.00	ppb		0.03
System Monitoring Compounds							
34) dibromofluoromethane	9.36	113	361576	47.28	ppb		0.05
Spiked Amount 50.000	Range 79 - 120		Recovery = 94.56%				
39) 1,2-dichloroethane-d4	9.93	65	273436	44.97	ppb		0.05
Spiked Amount 50.000	Range 62 - 139		Recovery = 89.94%				
54) toluene-d8	11.59	100	735134	48.92	ppb		0.04
Spiked Amount 50.000	Range 83 - 120		Recovery = 97.84%				
73) 4-bromofluorobenzene	13.79	174	273882	49.84	ppb		0.03
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.68%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	4.47	85	520819	52.98	ppb		99
3) chloromethane	4.82	50	667623	49.93	ppb		100
4) vinyl chloride	4.99	62	377417	50.29	ppb		99
5) bromomethane	5.55	96	232939	50.89	ppb		99
6) chloroethane	5.74	64	301792	52.60	ppb		99
7) trichlorofluoromethane	5.97	101	515255	50.66	ppb		100
8) ethanol	6.44	45	94320	1054.63	ppb		99
10) 1,1,2-trichloro-1,2,2-trif	6.70	101	387360	51.16	ppb		99
11) 1,1-dichloroethene	6.68	96	370303	53.18	ppb		98
12) acetone	7.41	58	103911	188.44	ppb		100
13) iodomethane	6.90	142	617087	51.54	ppb		99
14) carbon disulfide	6.79	76	1254269	53.71	ppb		99
15) allyl chloride	7.25	76	225028	55.53	ppb		97
16) acetonitrile	7.99	41	392095	535.66	ppb		96
17) methylene chloride	7.38	84	420840	53.82	ppb		97
18) tert-butanol	7.66	59	187165	239.69	ppb		86
19) methyl-t-butyl-ether	7.66	73	1619399	100.18	ppb		99
20) trans-1,2-dichloroethene	7.57	96	414758	54.19	ppb		98
21) acrylonitrile	8.27	53	609864	258.43	ppb	#	48
22) isopropyl ether	8.06	45	1422054	51.73	ppb		100
23) vinyl acetate	8.50	43	476135	39.70	ppb		100
24) 1,1-dichloroethane	8.30	63	738828	53.29	ppb		97
25) chloroprene	8.27	53	609864	55.24	ppb		97
26) 2-butanone	9.46	43	567139	184.06	ppb		99
27) ethyl tert-butyl ether	8.48	59	1148662	51.75	ppb		100
28) 2,2-dichloropropane	9.06	77	496363	55.36	ppb		100
29) cis-1,2-dichloroethene	8.90	96	451911	53.11	ppb		97
30) propionitrile	9.80	54	447791	528.80	ppb		94
31) methacrylonitrile	9.82	41	526955	51.28	ppb		94
32) bromochloromethane	9.13	128	209147	52.48	ppb		91
33) chloroform	9.16	83	700411	55.04	ppb		98
35) 1,1,1-trichloroethane	9.45	97	530912	52.31	ppb		99
36) carbon tetrachloride	9.39	117	463272	52.05	ppb		98
37) 1,1-dichloropropene	9.56	75	498411	52.82	ppb		98
38) isobutyl alcohol	9.82	43	624822	1003.44	ppb		99
40) tert-amyl methyl ether	9.85	73	881454	49.16	ppb		99
41) benzene	9.82	78	1454949	54.61	ppb		99
42) 1,2-dichloroethane	10.00	62	422449	50.61	ppb		98
43) trichloroethene	10.35	95	396861	52.69	ppb		97
44) 1,2-dichloropropane	10.85	63	409075	53.72	ppb		100

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

dc 12/23/08

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54702.D Vial: 6
Acq On : 23 Dec 2008 11:25 Operator: TWK-sop525r12
Sample : VL081223-2CCS Inst : CSS Instr
Misc : 5mls htd water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 23 12:01 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:44:45 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	methyl methacrylate	10.93	69	214580	54.60	ppb		93
46)	1,4-dioxane	11.03	88	67408	1119.12	ppb		93
47)	dibromomethane	10.76	93	247524	48.31	ppb		95
48)	bromodichloromethane	10.86	83	505141	54.67	ppb		100
49)	2-chloroethyl vinyl ether	11.31	63	165052	46.07	ppb		99
51)	cis-1,3-dichloropropene	11.42	75	586309	52.66	ppb		97
52)	4-methyl-2-pentanone	11.90	43	1173909	183.04	ppb		99
55)	toluene	11.64	91	1368167	50.34	ppb		98
56)	ethyl methacrylate	12.02	69	424883	53.86	ppb	#	95
57)	trans-1,3-dichloropropene	11.95	75	482936	50.22	ppb		97
58)	1,1,2-trichloroethane	12.09	83	259347	48.88	ppb		97
59)	tetrachloroethene	11.99	164	236171	53.07	ppb		96
60)	2-hexanone	12.57	43	818386	176.25	ppb		97
61)	1,3-dichloropropane	12.34	76	473604	49.41	ppb		100
62)	dibromochloromethane	12.27	129	342903	44.77	ppb		98
63)	1,2-dibromoethane	12.51	107	337462	48.26	ppb		99
64)	1-chlorohexane	12.81	91	542230	54.84	ppb		96
65)	chlorobenzene	12.89	112	910646	51.77	ppb		98
66)	ethylbenzene	12.87	91	1462629	49.58	ppb		98
67)	1,1,1,2-tetrachloroethane	12.93	131	309073	50.53	ppb		97
68)	m,p-xylene	12.98	106	1137260	100.31	ppb		99
69)	o-xylene	13.33	106	575829	50.16	ppb		97
70)	styrene	13.36	104	1003288	54.18	ppb		97
71)	bromoform	13.42	173	206060	49.92	ppb		98
72)	isopropylbenzene	13.54	105	1376602	49.50	ppb		100
75)	1,1,2,2-tetrachloroethane	13.89	83	376563	46.08	ppb		96
76)	n-propylbenzene	13.86	91	1787956	49.93	ppb		96
77)	trans-1,4-dichloro-2-buten	14.03	53	90915	54.32	ppb		79
78)	1,2,3-trichloropropane	14.04	110	101245	47.64	ppb		84
79)	bromobenzene	13.91	156	320242	51.72	ppb		96
80)	1,3,5-trimethylbenzene	13.98	105	1177103	50.12	ppb		95
81)	2-chlorotoluene	14.02	126	339754	50.38	ppb		91
82)	4-chlorotoluene	14.13	126	339548	51.51	ppb		85
84)	1,2,4-trimethylbenzene	14.29	105	1108569	47.62	ppb		96
85)	sec-butylbenzene	14.38	105	1552922	48.80	ppb		98
86)	p-isopropyltoluene	14.47	119	1219469	49.61	ppb		97
87)	1,3-dichlorobenzene	14.61	146	503853	44.32	ppb		96
88)	1,4-dichlorobenzene	14.61	146	571340	52.73	ppb		99
89)	n-butylbenzene	14.80	91	1171509	47.79	ppb		99
90)	1,2-dichlorobenzene	15.03	146	509850	48.07	ppb		98
91)	hexachloroethane	15.03	201	174530	54.05	ppb		98
92)	1,2-dibromo-3-chloropropan	15.72	157	53551	48.00	ppb		99
93)	1,2,4-trichlorobenzene	16.37	180	311442	48.40	ppb		97
94)	hexachlorobutadiene	16.28	225	173136	46.08	ppb		100
95)	naphthalene	16.73	128	710144	49.29	ppb		100
96)	1,2,3-trichlorobenzene	16.95	180	266287	49.97	ppb		99

non-target compounds for 0812200

(#) = qualifier out of range (m) = manual integration
B54702.D 111408S.M Tue Dec 23 12:02:10 2008 Page 2

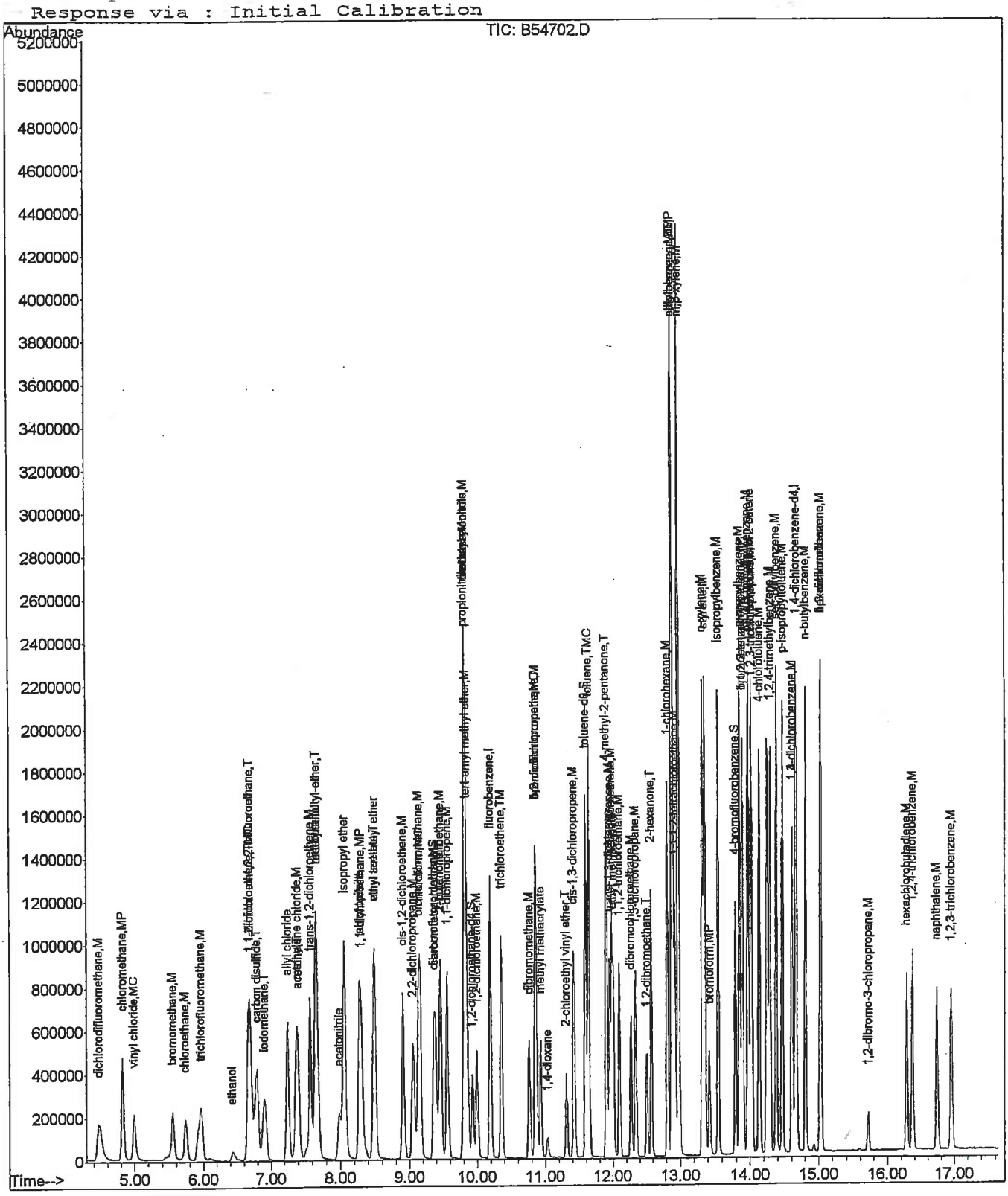
Quantitation Report

Data File : C:\HPCHEM\1\DATA\122308\B54702.D
Acq On : 23 Dec 2008 11:25
Sample : VL081223-2CCS
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Dec 23 12:01 2008

Vial: 6
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Nov 17 11:44:45 2008
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54703.D Vial: 7
Acq On : 23 Dec 2008 11:47 Operator: TWK-sop525r12
Sample : VL081223-2LCSD Inst : CSS Instr
Misc : 5mls htd water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 23 12:02 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.19	96	1304261	50.00	ppb	0.00
53) chlorobenzene-d5	12.88	117	893945	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.67	152	342398	50.00	ppb	0.01
System Monitoring Compounds						
34) dibromofluoromethane	9.36	113	381042	48.09	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 96.18%			
39) 1,2-dichloroethane-d4	9.94	65	285736	45.35	ppb	0.01
Spiked Amount 50.000	Range 62 - 139		Recovery = 90.70%			
54) toluene-d8	11.60	100	766755	51.92	ppb	0.01
Spiked Amount 50.000	Range 83 - 120		Recovery = 103.84%			
73) 4-bromofluorobenzene	13.80	174	289523	53.61	ppb	0.01
Spiked Amount 50.000	Range 74 - 123		Recovery = 107.22%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	4.47	85	447005	43.88	ppb	100
3) chloromethane	4.82	50	586946	42.36	ppb	99
4) vinyl chloride	4.99	62	340987	43.84	ppb	100
5) bromomethane	5.55	96	207679	42.31	ppb	98
6) chloroethane	5.73	64	267648	45.02	ppb	97
7) trichlorofluoromethane	5.97	101	462236	43.86	ppb	99
8) ethanol	6.44	45	101711	1097.47	ppb	96
10) 1,1,2-trichloro-1,2,2-trif	6.69	101	347031	44.23	ppb	97
11) 1,1-dichloroethene	6.67	96	357016	49.48	ppb	94
12) acetone	7.41	58	102661	178.85	ppb	85
13) iodomethane	6.90	142	599291	48.30	ppb	98
14) carbon disulfide	6.79	76	1196726	49.45	ppb	99
15) allyl chloride	7.25	76	213633	50.87	ppb	97
16) acetonitrile	7.99	41	395709	521.68	ppb	99
17) methylene chloride	7.38	84	411055	50.73	ppb	99
18) tert-butanol	7.66	59	208912	258.17	ppb	88
19) methyl-t-butyl-ether	7.66	73	1626616	97.10	ppb	99
20) trans-1,2-dichloroethene	7.57	96	398022	50.19	ppb	99
21) acrylonitrile	8.27	53	578669	236.63	ppb	99
22) isopropyl ether	8.06	45	1382085	48.52	ppb	100
23) vinyl acetate	8.49	43	474985	38.22	ppb	97
24) 1,1-dichloroethane	8.30	63	715789	49.82	ppb	98
25) chloroprene	8.27	53	578669	50.58	ppb	100
26) 2-butanone	9.46	43	582739	182.51	ppb	99
27) ethyl tert-butyl ether	8.48	59	1115655	48.50	ppb	99
28) 2,2-dichloropropane	9.05	77	473272	50.94	ppb	100
29) cis-1,2-dichloroethene	8.90	96	440282	49.93	ppb	98
30) propionitrile	9.80	54	480301	547.34	ppb	92
31) methacrylonitrile	9.82	41	561415	52.73	ppb	96
32) bromochloromethane	9.13	128	208160	50.41	ppb	93
33) chloroform	9.16	83	681475	51.67	ppb	99
35) 1,1,1-trichloroethane	9.45	97	519928	49.44	ppb	99
36) carbon tetrachloride	9.39	117	453157	49.13	ppb	98
37) 1,1-dichloropropene	9.56	75	492186	50.33	ppb	98
38) isobutyl alcohol	9.82	43	676303	1048.11	ppb	98
40) tert-amyl methyl ether	9.85	73	881398	47.44	ppb	99
41) benzene	9.82	78	1434543	51.96	ppb	99
42) 1,2-dichloroethane	10.00	62	414374	47.91	ppb	99
43) trichloroethene	10.36	95	395320	50.65	ppb	97
44) 1,2-dichloropropane	10.85	63	392861	49.78	ppb	96

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

cw 12/23/08

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54703.D Vial: 7
Acq On : 23 Dec 2008 11:47 Operator: TWK-sop525r12
Sample : VL081223-2LCSD Inst : CSS Instr
Misc : 5mls htd water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 23 12:02 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

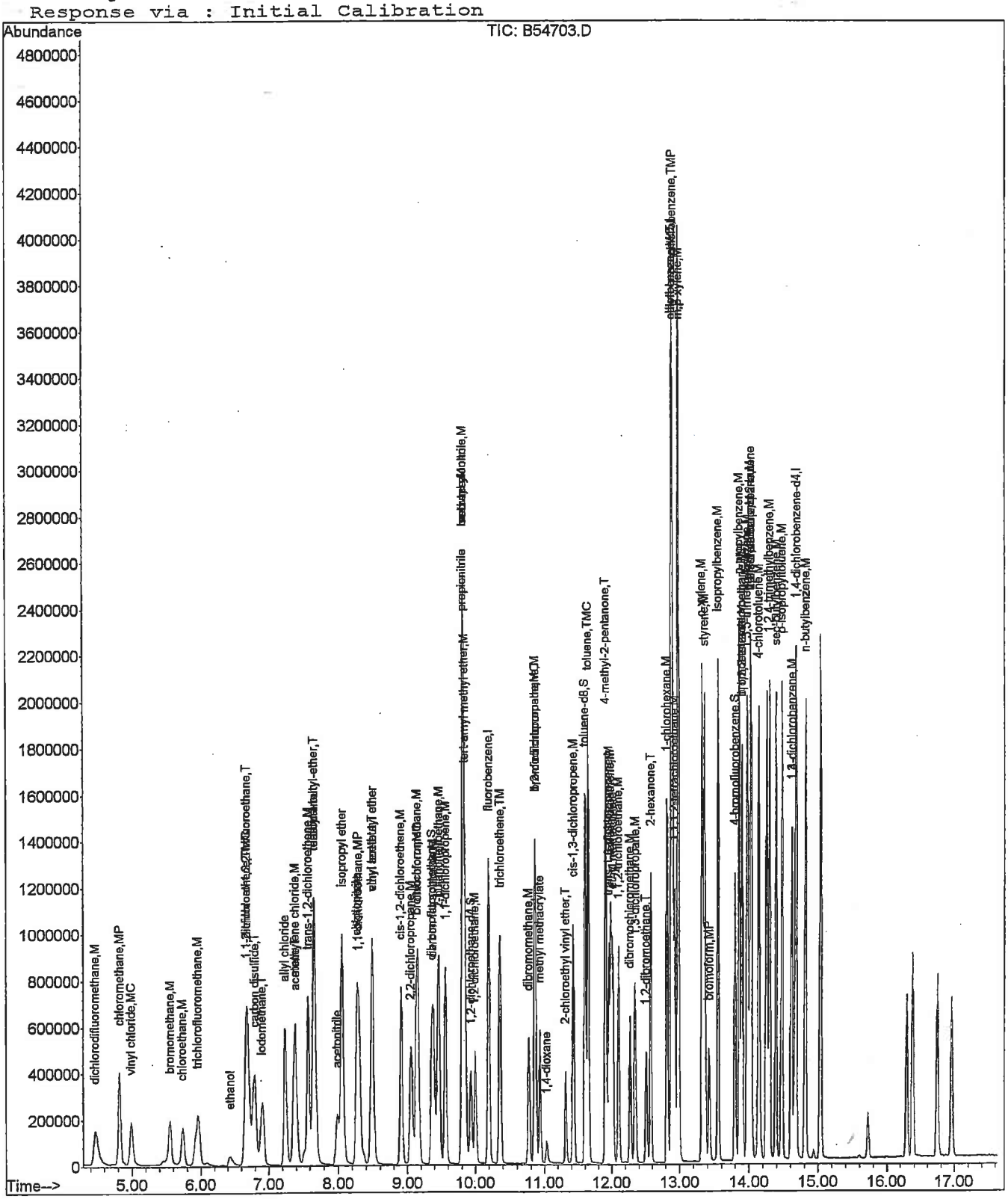
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
45)	methyl methacrylate	10.93	69	218054	53.54	ppb	97
46)	1,4-dioxane	11.03	88	75763	1213.81	ppb	95
47)	dibromomethane	10.77	93	252467	47.55	ppb	94
48)	bromodichloromethane	10.86	83	495174	51.72	ppb	99
49)	2-chloroethyl vinyl ether	11.32	63	173309	46.68	ppb	98
51)	cis-1,3-dichloropropene	11.43	75	581620	50.41	ppb	98
52)	4-methyl-2-pentanone	11.91	43	1218781	183.38	ppb	97
55)	toluene	11.64	91	1346062	50.40	ppb	99
56)	ethyl methacrylate	12.02	69	443197	57.17	ppb	96
57)	trans-1,3-dichloropropene	11.96	75	477838	50.56	ppb	97
58)	1,1,2-trichloroethane	12.10	83	253358	48.59	ppb	99
59)	tetrachloroethene	11.99	164	227895	52.12	ppb	95
60)	2-hexanone	12.58	43	844341	185.04	ppb	100
61)	1,3-dichloropropane	12.35	76	470467	49.95	ppb	100
62)	dibromochloromethane	12.27	129	333602	44.32	ppb	100
63)	1,2-dibromoethane	12.51	107	336152	48.92	ppb	99
64)	1-chlorohexane	12.82	91	543117	55.90	ppb	97
65)	chlorobenzene	12.90	112	876671	50.72	ppb	95
66)	ethylbenzene	12.88	91	1416051	48.85	ppb	99
67)	1,1,1,2-tetrachloroethane	12.93	131	292665	48.69	ppb	99
68)	m,p-xylene	12.98	106	1108896	99.54	ppb	96
69)	o-xylene	13.33	106	570673	50.59	ppb	98
70)	styrene	13.37	104	995021	54.69	ppb	99
71)	bromoform	13.43	173	206212	50.84	ppb	99
72)	isopropylbenzene	13.55	105	1357023	49.65	ppb	99
75)	1,1,2,2-tetrachloroethane	13.90	83	383614	45.89	ppb	98
76)	n-propylbenzene	13.86	91	1737195	47.41	ppb	97
77)	trans-1,4-dichloro-2-buten	14.04	53	92590	54.07	ppb	85
78)	1,2,3-trichloropropane	14.04	110	102237	47.02	ppb	70
79)	bromobenzene	13.91	156	316350	49.93	ppb	86
80)	1,3,5-trimethylbenzene	13.98	105	1135559	47.26	ppb	96
81)	2-chlorotoluene	14.03	126	336626	48.79	ppb	95
82)	4-chlorotoluene	14.14	126	325171	48.22	ppb	91
84)	1,2,4-trimethylbenzene	14.29	105	1091178	45.82	ppb	95
85)	sec-butylbenzene	14.39	105	1500498	46.09	ppb	97
86)	p-isopropyltoluene	14.47	119	1163371	46.26	ppb	98
87)	1,3-dichlorobenzene	14.62	146	553612	47.60	ppb	98
88)	1,4-dichlorobenzene	14.62	146	553612	49.95	ppb	98
89)	n-butylbenzene	14.81	91	1138481	45.39	ppb	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\122308\B54703.D Vial: 7
Acq On : 23 Dec 2008 11:47 Operator: TWK-sop525r12
Sample : VL081223-2LCSD Inst : CSS Instr
Misc : 5mls htd water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 23 12:02 2008 Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54719.D Vial: 22
Acq On : 23 Dec 2008 18:00 Operator: TWK-sop525r12
Sample : 0812200-1MS 400X Inst : CSS Instr
Misc : 5mls htd water - HS>pea Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 23 18:48 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.18	96	1262836	50.00	ppb		-0.02
53) chlorobenzene-d5	12.87	117	888890	50.00	ppb		0.00
74) 1,4-dichlorobenzene-d4	14.65	152	329960	50.00	ppb		0.00
System Monitoring Compounds							
34) dibromofluoromethane	9.35	113	376110	49.02	ppb		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	98.04%			
39) 1,2-dichloroethane-d4	9.92	65	282808	46.36	ppb		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery =	92.72%			
54) toluene-d8	11.58	100	722937	49.23	ppb		0.00
Spiked Amount 50.000	Range 83 - 120		Recovery =	98.46%			
73) 4-bromofluorobenzene	13.78	174	284129	52.91	ppb		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	105.82%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	4.47	85	448707	45.49	ppb		100
3) chloromethane	4.82	50	611332	45.57	ppb		99
4) vinyl chloride	4.98	62	346447	46.00	ppb		100
5) bromomethane	5.55	96	244504	53.90	ppb		100
6) chloroethane	5.72	64	276505	48.03	ppb		98
7) trichlorofluoromethane	5.96	101	454490	44.53	ppb		100
10) 1,1,2-trichloro-1,2,2-trif	6.69	101	350892	46.18	ppb		98
11) 1,1-dichloroethene	6.67	96	329996	47.23	ppb		97
12) acetone	7.39	58	104047	188.02	ppb		98
13) iodomethane	6.89	142	588628	49.00	ppb		97
14) carbon disulfide	6.79	76	1095363	46.75	ppb		99
17) methylene chloride	7.37	84	413049	52.64	ppb		98
19) methyl-t-butyl-ether	7.64	73	812024	50.06	ppb	#	83
20) trans-1,2-dichloroethene	7.56	96	374324	48.75	ppb		98
23) vinyl acetate	8.48	43	380651	31.63	ppb		97
24) 1,1-dichloroethane	8.29	63	675053	48.52	ppb		99
26) 2-butanone	9.46	43	583000	188.58	ppb		98
27) ethyl tert-butyl ether	8.35	59	57231	2.57	ppb	#	77
28) 2,2-dichloropropane	9.04	77	417719	46.43	ppb		100
29) cis-1,2-dichloroethene	8.89	96	423780	49.63	ppb		99
32) bromochloromethane	9.12	128	214369	53.62	ppb		89
33) chloroform	9.15	83	664515	52.04	ppb		98
35) 1,1,1-trichloroethane	9.44	97	479988	47.14	ppb		99
36) carbon tetrachloride	9.38	117	429990	48.15	ppb		97
37) 1,1-dichloropropene	9.54	75	448513	47.37	ppb		99
40) tert-amyl methyl ether	9.80	73	43007	2.39	ppb	#	56
41) benzene	9.80	78	2179735	81.53	ppb		95
42) 1,2-dichloroethane	9.99	62	430302	51.38	ppb		99
43) trichloroethene	10.34	95	369162	48.85	ppb		96
44) 1,2-dichloropropane	10.84	63	384996	50.39	ppb		99
47) dibromomethane	10.75	93	249076	48.45	ppb		95
48) bromodichloromethane	10.86	83	488681	52.72	ppb		99
49) 2-chloroethyl vinyl ether	11.30	63	169756	47.22	ppb		98
51) cis-1,3-dichloropropene	11.41	75	557296	49.89	ppb		93
52) 4-methyl-2-pentanone	11.89	43	1268066	197.06	ppb		99
55) toluene	11.63	91	3107879	117.03	ppb	low	98
57) trans-1,3-dichloropropene	11.94	75	468060	49.81	ppb		98
58) 1,1,2-trichloroethane	12.09	83	268379	51.77	ppb		99
59) tetrachloroethene	11.98	164	212156	48.79	ppb		95
60) 2-hexanone	12.56	43	830107	182.96	ppb		100

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

m 12/24/08

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54719.D
Acq On : 23 Dec 2008 18:00
Sample : 0812200-1MS 400X
Misc : 5mls htd water - HS>pea
MS Integration Params: rteint.p
Quant Time: Dec 23 18:48 2008

Vial: 22
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
61)	1,3-dichloropropane	12.33	76	460893	49.21 ppb		100
62)	dibromochloromethane	12.26	129	342608	45.77 ppb		99
63)	1,2-dibromoethane	12.50	107	338978	49.61 ppb		99
64)	1-chlorohexane	12.86	91	1482271	153.43 ppb	#	26
65)	chlorobenzene	12.88	112	860290	50.05 ppb		100
66)	ethylbenzene	12.86	91	1482271	51.42 ppb		100
67)	1,1,1,2-tetrachloroethane	12.91	131	298180	49.89 ppb		98
68)	m,p-xylene	12.97	106	1681178	151.77 ppb	low	99
69)	o-xylene	13.32	106	644683	57.47 ppb		99
70)	styrene	13.35	104	971285	53.68 ppb		99
71)	bromoform	13.42	173	207553	51.46 ppb		96
72)	isopropylbenzene	13.53	105	1297653	47.75 ppb		98
75)	1,1,2,2-tetrachloroethane	13.88	83	388875	48.27 ppb		95
76)	n-propylbenzene	13.85	91	1662405	47.08 ppb		100
77)	trans-1,4-dichloro-2-buten	14.02	53	95099	57.63 ppb		100
78)	1,2,3-trichloropropane	14.03	110	105268	50.24 ppb		99
79)	bromobenzene	13.90	156	312588	51.20 ppb		96
80)	1,3,5-trimethylbenzene	13.97	105	1332526	57.54 ppb		99
81)	2-chlorotoluene	14.01	126	328158	49.35 ppb		100
82)	4-chlorotoluene	14.13	126	328252	50.51 ppb		92
84)	1,2,4-trimethylbenzene	14.28	105	1327312	57.84 ppb		98
85)	sec-butylbenzene	14.37	105	1419364	45.24 ppb		98
86)	p-isopropyltoluene	14.46	119	1149558	47.43 ppb		99
87)	1,3-dichlorobenzene	14.60	146	541512	48.32 ppb		98
88)	1,4-dichlorobenzene	14.60	146	541512	50.70 ppb		98
89)	n-butylbenzene	14.80	91	1068846	44.22 ppb		100
90)	1,2-dichlorobenzene	15.02	146	498299	47.65 ppb		98
92)	1,2-dibromo-3-chloropropan	15.71	157	57071	51.88 ppb		99
93)	1,2,4-trichlorobenzene	16.36	180	293154	46.21 ppb		97
94)	hexachlorobutadiene	16.27	225	175791	47.46 ppb		98
95)	naphthalene	16.73	128	713919	50.26 ppb		100
96)	1,2,3-trichlorobenzene	16.94	180	257413	48.99 ppb		97

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

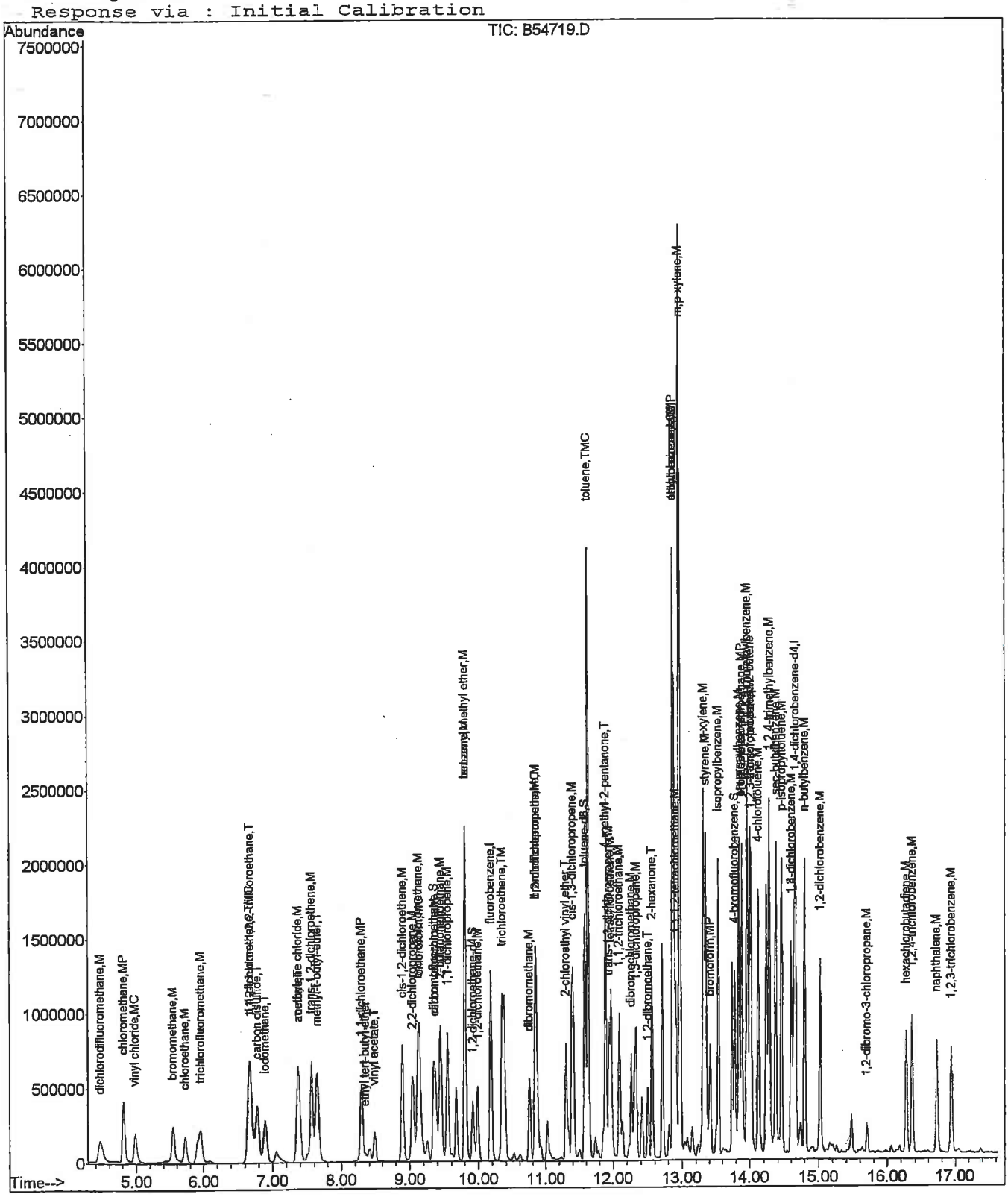
Quantitation Report

Data File : C:\HPCHEM\1\DATA\122308\B54719.D
Acq On : 23 Dec 2008 18:00
Sample : 0812200-1MS 400X
Misc : 5mls htd water - HS>pea
MS Integration Params: rteint.p
Quant Time: Dec 23 18:48 2008

Vial: 22
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54720.D Vial: 23
Acq On : 23 Dec 2008 18:22 Operator: TWK-sop525r12
Sample : 0812200-1MSD 400X Inst : CSS Instr
Misc : 5mls htd water - HS>pea Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 23 18:49 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.18	96	1226603	50.00	ppb		-0.01
53) chlorobenzene-d5	12.87	117	845066	50.00	ppb		-0.01
74) 1,4-dichlorobenzene-d4	14.65	152	322545	50.00	ppb		0.00
System Monitoring Compounds							
34) dibromofluoromethane	9.34	113	359182	48.20	ppb		-0.01
Spiked Amount 50.000	Range 79 - 120		Recovery = 96.40%				
39) 1,2-dichloroethane-d4	9.92	65	274542	46.33	ppb		-0.01
Spiked Amount 50.000	Range 62 - 139		Recovery = 92.66%				
54) toluene-d8	11.58	100	699465	50.11	ppb		-0.01
Spiked Amount 50.000	Range 83 - 120		Recovery = 100.22%				
73) 4-bromofluorobenzene	13.79	174	266991	52.30	ppb		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 104.60%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	4.47	85	442502	46.19	ppb		98
3) chloromethane	4.82	50	590547	45.32	ppb		98
4) vinyl chloride	4.99	62	338155	46.23	ppb		97
5) bromomethane	5.54	96	240822	54.88	ppb		100
6) chloroethane	5.73	64	276904	49.52	ppb		96
7) trichlorofluoromethane	5.95	101	449099	45.31	ppb		98
10) 1,1,2-trichloro-1,2,2-trif	6.68	101	347347	47.07	ppb		97
11) 1,1-dichloroethene	6.67	96	326867	48.17	ppb		99
12) acetone	7.39	58	102000	189.93	ppb		99
13) iodomethane	6.90	142	589794	50.54	ppb		99
14) carbon disulfide	6.78	76	1069027	46.97	ppb		99
17) methylene chloride	7.37	84	406736	53.37	ppb		94
19) methyl-t-butyl-ether	7.65	73	824137	52.31	ppb	#	79
20) trans-1,2-dichloroethene	7.56	96	381272	51.12	ppb		98
23) vinyl acetate	8.49	43	362244	30.99	ppb		98
24) 1,1-dichloroethane	8.29	63	686235	50.79	ppb		99
26) 2-butanone	9.45	43	584638	194.69	ppb		99
27) ethyl tert-butyl ether	8.35	59	56207	2.60	ppb	#	32
28) 2,2-dichloropropane	9.04	77	418589	47.91	ppb		99
29) cis-1,2-dichloroethene	8.89	96	429845	51.83	ppb		97
32) bromochloromethane	9.12	128	218204	56.19	ppb		90
33) chloroform	9.15	83	677074	54.59	ppb		98
35) 1,1,1-trichloroethane	9.44	97	486277	49.17	ppb		97
36) carbon tetrachloride	9.37	117	429105	49.47	ppb		99
37) 1,1-dichloropropene	9.55	75	451366	49.08	ppb		100
40) tert-amyl methyl ether	9.81	73	40495	2.32	ppb	#	56
41) benzene	9.81	78	2207093	85.00	ppb		94
42) 1,2-dichloroethane	9.98	62	437676	53.80	ppb		99
43) trichloroethene	10.34	95	367005	50.00	ppb		99
44) 1,2-dichloropropane	10.84	63	385223	51.90	ppb		99
47) dibromomethane	10.75	93	259892	52.05	ppb		96
48) bromodichloromethane	10.85	83	508550	56.48	ppb		99
49) 2-chloroethyl vinyl ether	11.30	63	169983	48.68	ppb		95
51) cis-1,3-dichloropropene	11.41	75	562599	51.85	ppb		95
52) 4-methyl-2-pentanone	11.90	43	1288545	206.15	ppb		96
55) toluene	11.63	91	3212444	127.24	ppb		98
57) trans-1,3-dichloropropene	11.94	75	480350	53.77	ppb		95
58) 1,1,2-trichloroethane	12.09	83	267625	54.30	ppb		95
59) tetrachloroethene	11.97	164	216563	52.39	ppb		97
60) 2-hexanone	12.57	43	836087	193.83	ppb		95

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122308\B54720.D
Acq On : 23 Dec 2008 18:22
Sample : 0812200-1MSD 400X
Misc : 5mls htd water - HS>pea
MS Integration Params: rteint.p
Quant Time: Dec 23 18:49 2008

Vial: 23
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
61)	1,3-dichloropropane	12.33	76	485551	54.54 ppb	99
62)	dibromochloromethane	12.26	129	353857	49.73 ppb	97
63)	1,2-dibromoethane	12.50	107	340082	52.35 ppb	97
65)	chlorobenzene	12.89	112	877631	53.71 ppb	93
66)	ethylbenzene	12.87	91	1513362	55.22 ppb	98
67)	1,1,1,2-tetrachloroethane	12.92	131	303131	53.35 ppb	99
68)	m,p-xylene	12.97	106	1830391	173.81 ppb	96
69)	o-xylene	13.31	106	668166	62.65 ppb	97
70)	styrene	13.34	104	992479	57.70 ppb	98
71)	bromoform	13.41	173	212559	55.44 ppb	99
72)	isopropylbenzene	13.54	105	1328194	51.41 ppb	99
75)	1,1,2,2-tetrachloroethane	13.89	83	395061	50.16 ppb	96
76)	n-propylbenzene	13.85	91	1705721	49.42 ppb	98
77)	trans-1,4-dichloro-2-buten	14.02	53	98844	61.28 ppb	81
78)	1,2,3-trichloropropane	14.02	110	106063	51.78 ppb	88
79)	bromobenzene	13.90	156	317872	53.26 ppb	87
80)	1,3,5-trimethylbenzene	13.96	105	1437620	63.51 ppb	97
81)	2-chlorotoluene	14.00	126	335928	51.68 ppb	89
82)	4-chlorotoluene	14.13	126	330473	52.02 ppb	86
83)	tert-butylbenzene	14.24	134	185353	47.21 ppb	96
84)	1,2,4-trimethylbenzene	14.28	105	1390844	62.00 ppb	97
85)	sec-butylbenzene	14.37	105	1473362	48.04 ppb	99
86)	p-isopropyltoluene	14.46	119	1174987	49.59 ppb	99
87)	1,3-dichlorobenzene	14.60	146	547565	49.98 ppb	96
88)	1,4-dichlorobenzene	14.60	146	547565	52.44 ppb	96
89)	n-butylbenzene	14.79	91	1088673	46.08 ppb	98
90)	1,2-dichlorobenzene	15.02	146	519027	50.77 ppb	99
92)	1,2-dibromo-3-chloropropan	15.71	157	56288	52.35 ppb	93
93)	1,2,4-trichlorobenzene	16.36	180	303118	48.88 ppb	97
94)	hexachlorobutadiene	16.27	225	170037	46.96 ppb	95
95)	naphthalene	16.73	128	750989	54.08 ppb	100
96)	1,2,3-trichlorobenzene	16.94	180	267464	52.08 ppb	99

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

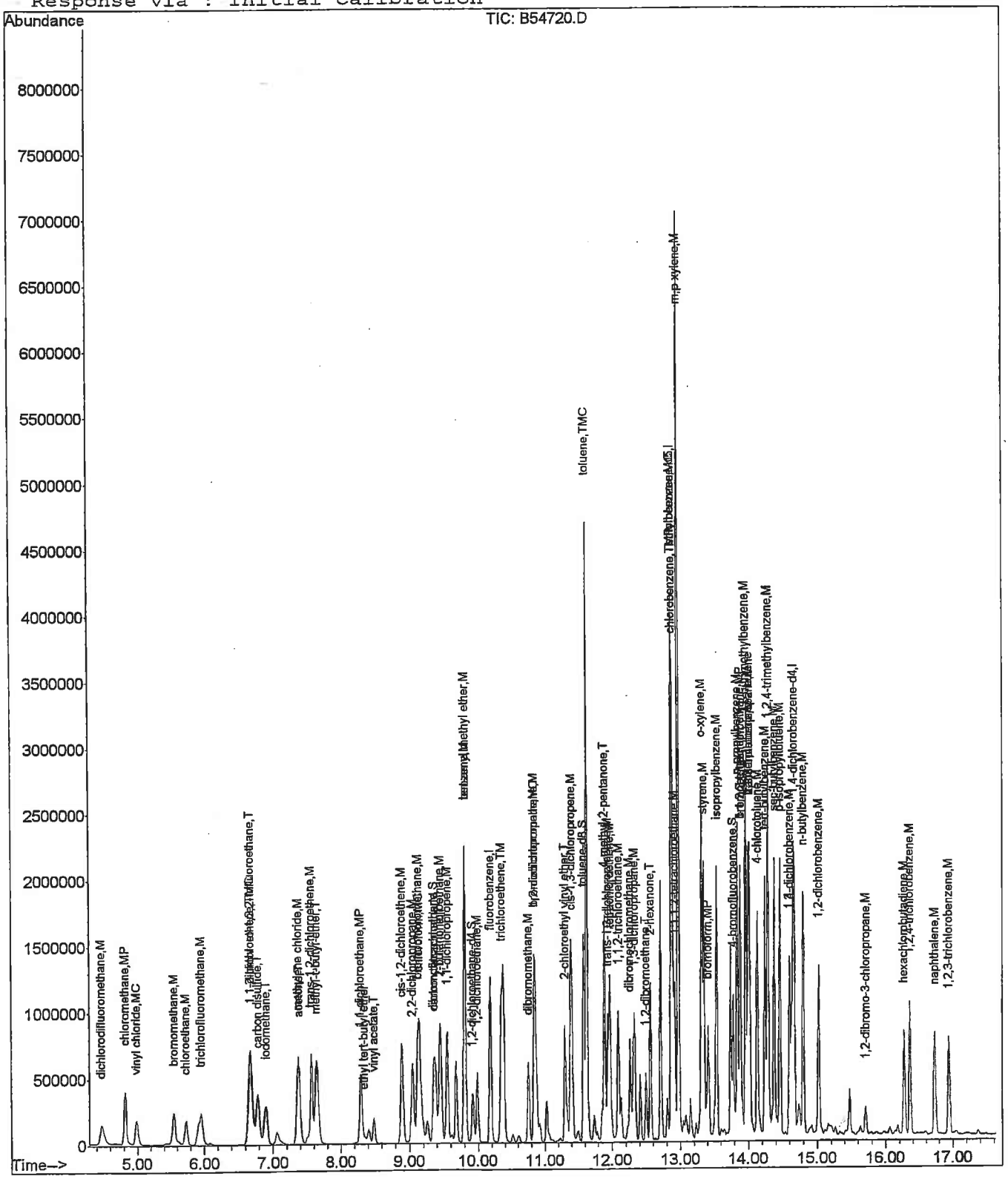
Quantitation Report

Data File : C:\HPCHEM\1\DATA\122308\B54720.D
Acq On : 23 Dec 2008 18:22
Sample : 0812200-1MSD 400X
Misc : 5mls htd water - HS>pea
MS Integration Params: rteint.p
Quant Time: Dec 23 18:49 2008

Vial: 23
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Tue Dec 23 12:02:25 2008
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122908\B54765.D Vial: 2
Acq On : 29 Dec 2008 13:35 Operator: TWK-sop525r12
Sample : VL081229-2LCS Inst : CSS Instr
Misc : 5mL heated water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 29 13:58 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.15	96	1190213	50.00	ppb	0.00
53) chlorobenzene-d5	12.85	117	868788	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.63	152	335138	50.00	ppb	0.00
System Monitoring Compounds						
34) dibromofluoromethane	9.32	113	376106	52.01	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 104.02%			
39) 1,2-dichloroethane-d4	9.90	65	288310	50.14	ppb	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 100.28%			
54) toluene-d8	11.56	100	721176	50.25	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 100.50%			
73) 4-bromofluorobenzene	13.77	174	252449	48.10	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 96.20%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	4.44	85	521942	56.14	ppb	98
3) chloromethane	4.79	50	643691	50.91	ppb	99
4) vinyl chloride	4.96	62	372709	52.51	ppb	99
5) bromomethane	5.51	96	223300	51.77	ppb	98
6) chloroethane	5.70	64	296919	54.72	ppb	98
7) trichlorofluoromethane	5.93	101	523272	54.40	ppb	99
8) ethanol	6.40	45	85746	1013.86	ppb	97
9) acrolein	7.02	56	608753	538.03	ppb	99
10) 1,1,2-trichloro-1,2,2-trif	6.65	101	398235	55.61	ppb	98
11) 1,1-dichloroethene	6.64	96	354331	53.81	ppb	98
12) acetone	7.36	58	99067	190.12	ppb	92
13) iodomethane	6.86	142	598767	52.88	ppb	99
14) carbon disulfide	6.74	76	1198112	54.25	ppb	99
15) allyl chloride	7.21	76	210657	54.97	ppb	98
16) acetonitrile	7.95	41	371931	537.31	ppb	99
17) methylene chloride	7.33	84	397994	53.82	ppb	97
18) tert-butanol	7.62	59	171014	231.59	ppb	92
19) methyl-t-butyl-ether	7.62	73	1498451	98.02	ppb	99
20) trans-1,2-dichloroethene	7.53	96	397872	54.97	ppb	96
21) acrylonitrile	8.23	53	571327	256.01	ppb	97
22) isopropyl ether	8.01	45	1207918	46.47	ppb	100
23) vinyl acetate	8.46	43	455201	40.14	ppb	99
24) 1,1-dichloroethane	8.26	63	701468	53.50	ppb	99
25) chloroprene	8.23	53	571327	54.73	ppb	99
26) 2-butanone	9.42	43	565727	194.16	ppb	98
27) ethyl tert-butyl ether	8.44	59	973062	46.36	ppb	99
28) 2,2-dichloropropane	9.01	77	467525	55.14	ppb	97
29) cis-1,2-dichloroethene	8.86	96	434589	54.01	ppb	97
30) propionitrile	9.76	54	433228	541.00	ppb	95
31) methacrylonitrile	9.78	41	495931	51.04	ppb	96
32) bromochloromethane	9.09	128	206665	54.84	ppb	97
33) chloroform	9.12	83	667172	55.44	ppb	99
35) 1,1,1-trichloroethane	9.41	97	507363	52.87	ppb	96
36) carbon tetrachloride	9.34	117	451950	53.69	ppb	99
37) 1,1-dichloropropene	9.52	75	490084	54.92	ppb	98
38) isobutyl alcohol	9.79	43	577626	980.96	ppb	97
40) tert-amyl methyl ether	9.81	73	784303	46.25	ppb	98
41) benzene	9.78	78	1434241	56.92	ppb	100
42) 1,2-dichloroethane	9.96	62	404107	51.19	ppb	99
43) trichloroethene	10.32	95	396040	55.61	ppb	99

(#) = qualifier out of range (m) = manual integration mr 12/30/08

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122908\B54765.D Vial: 2
Acq On : 29 Dec 2008 13:35 Operator: TWK-sop525r12
Sample : VL081229-2LCS Inst : CSS Instr
Misc : 5mL heated water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 29 13:58 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
44)	1,2-dichloropropane	10.81	63	386019	53.60 ppb		100
45)	methyl methacrylate	10.90	69	200393	53.92 ppb		98
46)	1,4-dioxane	11.00	88	59582	1046.04 ppb	#	89
47)	dibromomethane	10.72	93	243908	50.34 ppb		93
48)	bromodichloromethane	10.83	83	479920	54.93 ppb		98
49)	2-chloroethyl vinyl ether	11.28	63	166475	49.14 ppb		99
51)	cis-1,3-dichloropropene	11.39	75	559818	53.17 ppb		99
52)	4-methyl-2-pentanone	11.88	43	1151043	189.78 ppb		98
55)	toluene	11.61	91	1317885	50.77 ppb		99
56)	ethyl methacrylate	11.98	69	394054	52.31 ppb		99
57)	trans-1,3-dichloropropene	11.93	75	458941	49.97 ppb		99
58)	1,1,2-trichloroethane	12.07	83	251376	49.61 ppb		98
59)	tetrachloroethene	11.96	164	228144	53.69 ppb		100
60)	2-hexanone	12.55	43	817669	184.39 ppb		100
61)	1,3-dichloropropane	12.31	76	457112	49.94 ppb		97
62)	dibromochloromethane	12.24	129	326508	44.63 ppb		97
63)	1,2-dibromoethane	12.48	107	323286	48.41 ppb		100
64)	1-chlorohexane	12.78	91	508191	53.82 ppb		94
65)	chlorobenzene	12.87	112	869015	51.73 ppb		98
66)	ethylbenzene	12.85	91	1416192	50.27 ppb		98
67)	1,1,1,2-tetrachloroethane	12.90	131	288444	49.38 ppb		99
68)	m,p-xylene	12.95	106	1082995	100.03 ppb		95
69)	o-xylene	13.29	106	550347	50.20 ppb		94
70)	styrene	13.33	104	981788	55.52 ppb		99
71)	bromoform	13.39	173	195913	49.70 ppb		99
72)	isopropylbenzene	13.52	105	1346028	50.68 ppb		99
75)	1,1,2,2-tetrachloroethane	13.87	83	368366	45.02 ppb		97
76)	n-propylbenzene	13.83	91	1761371	49.12 ppb		98
77)	trans-1,4-dichloro-2-buten	14.00	53	89783	53.57 ppb		91
78)	1,2,3-trichloropropane	14.00	110	96633	45.41 ppb		64
79)	bromobenzene	13.88	156	301100	48.56 ppb		93
80)	1,3,5-trimethylbenzene	13.95	105	1127453	47.94 ppb		95
81)	2-chlorotoluene	13.99	126	323823	47.95 ppb		98
82)	4-chlorotoluene	14.11	126	321358	48.68 ppb		100
83)	tert-butylbenzene	14.22	134	199642	48.94 ppb		97
84)	1,2,4-trimethylbenzene	14.26	105	1053510	45.20 ppb		99
85)	sec-butylbenzene	14.36	105	1521450	47.74 ppb		100
86)	p-isopropyltoluene	14.44	119	1192853	48.46 ppb		99
87)	1,3-dichlorobenzene	14.59	146	550064	48.32 ppb		98
88)	1,4-dichlorobenzene	14.64	146	531757	49.01 ppb		98
89)	n-butylbenzene	14.78	91	1178995	48.02 ppb		99
90)	1,2-dichlorobenzene	15.01	146	493215	46.43 ppb		99
91)	hexachloroethane	15.00	201	161682	50.01 ppb		99
92)	1,2-dibromo-3-chloropropan	15.69	157	53947	48.28 ppb		91
93)	1,2,4-trichlorobenzene	16.34	180	306699	47.59 ppb		96
94)	hexachlorobutadiene	16.25	225	175451	46.63 ppb		99
95)	naphthalene	16.70	128	708612	49.11 ppb		100
96)	1,2,3-trichlorobenzene	16.92	180	265456	49.74 ppb		98

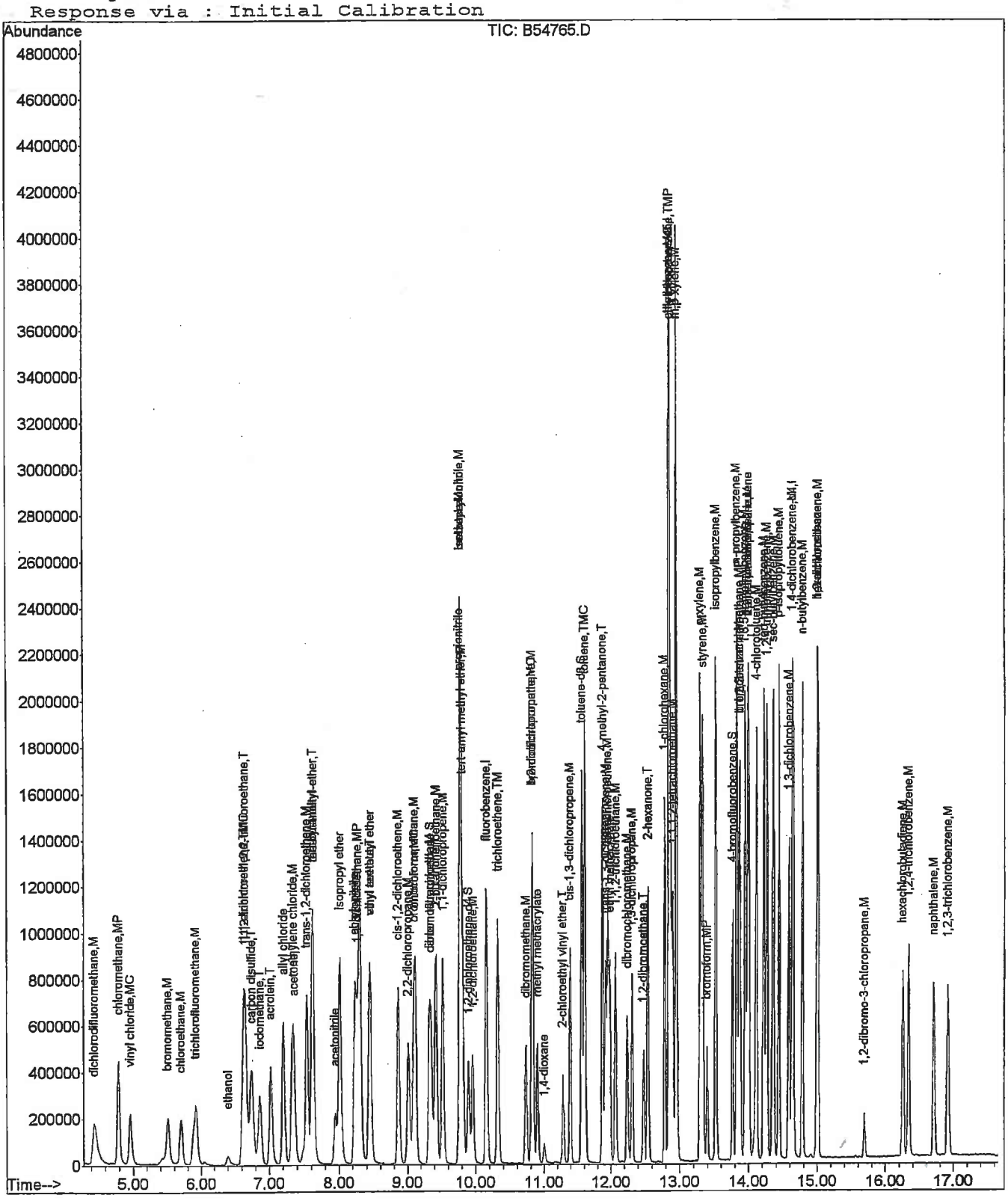
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\122908\B54765.D
Acq On : 29 Dec 2008 13:35
Sample : VL081229-2LCS
Misc : 5mL heated water
MS Integration Params: rteint.p
Quant Time: Dec 29 13:58 2008

Vial: 2
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122908\B54766.D Vial: 3
Acq On : 29 Dec 2008 13:58 Operator: TWK-sop525r12
Sample : VL081229-2LCSD Inst : CSS Instr
Misc : 5mL heated water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 29 14:25 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.15	96	1256578	50.00	ppb	0.00
53) chlorobenzene-d5	12.85	117	913948	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.63	152	367245	50.00	ppb	0.00
System Monitoring Compounds						
34) dibromofluoromethane	9.32	113	402134	52.67	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 105.34%			
39) 1,2-dichloroethane-d4	9.90	65	299172	49.28	ppb	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 98.56%			
54) toluene-d8	11.56	100	797601	52.83	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 105.66%			
73) 4-bromofluorobenzene	13.77	174	272077	49.28	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 98.56%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	4.44	85	534713	54.48	ppb	99
3) chloromethane	4.78	50	673266	50.43	ppb	99
4) vinyl chloride	4.96	62	402022	53.65	ppb	98
5) bromomethane	5.51	96	227840	49.59	ppb	97
6) chloroethane	5.69	64	296559	51.77	ppb	99
7) trichlorofluoromethane	5.93	101	534839	52.67	ppb	97
8) ethanol	6.40	45	101493	1136.67	ppb	98
9) acrolein	7.02	56	606644	507.85	ppb	99
10) 1,1,2-trichloro-1,2,2-trif	6.65	101	410176	54.26	ppb	94
11) 1,1-dichloroethene	6.63	96	371092	53.38	ppb	96
12) acetone	7.35	58	112142	205.10	ppb	97
13) iodomethane	6.86	142	638528	53.42	ppb	98
14) carbon disulfide	6.75	76	1240687	53.21	ppb	99
15) allyl chloride	7.21	76	225875	55.83	ppb	96
16) acetonitrile	7.94	41	392864	537.58	ppb	99
17) methylene chloride	7.33	84	428855	54.93	ppb	96
18) tert-butanol	7.62	59	212027	271.97	ppb	96
19) methyl-t-butyl-ether	7.62	73	1714055	106.20	ppb	99
20) trans-1,2-dichloroethene	7.53	96	425840	55.73	ppb	95
21) acrylonitrile	8.23	53	594716	252.42	ppb	97
22) isopropyl ether	8.01	45	1430205	52.11	ppb	100
23) vinyl acetate	8.46	43	498380	41.62	ppb	100
24) 1,1-dichloroethane	8.26	63	743359	53.70	ppb	99
25) chloroprene	8.23	53	594716	53.96	ppb	99
26) 2-butanone	9.42	43	619974	201.54	ppb	98
27) ethyl tert-butyl ether	8.44	59	1171631	52.87	ppb	99
28) 2,2-dichloropropane	9.02	77	490833	54.83	ppb	97
29) cis-1,2-dichloroethene	8.87	96	464408	54.66	ppb	98
30) propionitrile	9.76	54	464930	549.93	ppb	96
31) methacrylonitrile	9.78	41	539734	52.61	ppb	95
32) bromochloromethane	9.09	128	222461	55.92	ppb	98
33) chloroform	9.12	83	716241	56.37	ppb	97
35) 1,1,1-trichloroethane	9.41	97	546442	53.93	ppb	99
36) carbon tetrachloride	9.34	117	473273	53.26	ppb	100
37) 1,1-dichloropropene	9.52	75	512885	54.44	ppb	98
38) isobutyl alcohol	9.79	43	653275	1050.84	ppb	98
40) tert-amyl methyl ether	9.81	73	928837	51.89	ppb	99
41) benzene	9.78	78	1506255	56.62	ppb	99
42) 1,2-dichloroethane	9.96	62	429171	51.50	ppb	100
43) trichloroethene	10.32	95	413618	55.01	ppb	98

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

12/30/08

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122908\B54766.D Vial: 3
Acq On : 29 Dec 2008 13:58 Operator: TWK-sop525r12
Sample : VL081229-2LCSD Inst : CSS Instr
Misc : 5mL heated water Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 29 14:25 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-dichloropropane	10.81	63	416660	54.80	ppb	95
45) methyl methacrylate	10.90	69	223480	56.96	ppb	98
46) 1,4-dioxane	11.00	88	69972	1163.57	ppb	97
47) dibromomethane	10.73	93	267416	52.28	ppb	99
48) bromodichloromethane	10.83	83	520446	56.42	ppb	100
49) 2-chloroethyl vinyl ether	11.27	63	188313	52.65	ppb	96
51) cis-1,3-dichloropropene	11.39	75	616217	55.44	ppb	98
52) 4-methyl-2-pentanone	11.88	43	1256770	196.27	ppb	98
55) toluene	11.61	91	1407611	51.55	ppb	100
56) ethyl methacrylate	11.98	69	415992	52.49	ppb	99
57) trans-1,3-dichloropropene	11.92	75	504059	52.17	ppb	99
58) 1,1,2-trichloroethane	12.07	83	271174	50.87	ppb	99
59) tetrachloroethene	11.95	164	242470	54.24	ppb	99
60) 2-hexanone	12.55	43	895282	191.91	ppb	100
61) 1,3-dichloropropane	12.31	76	497978	51.72	ppb	98
62) dibromochloromethane	12.24	129	362168	47.06	ppb	100
63) 1,2-dibromoethane	12.48	107	353742	50.35	ppb	99
64) 1-chlorohexane	12.79	91	552952	55.67	ppb	99
65) chlorobenzene	12.87	112	926462	52.43	ppb	98
66) ethylbenzene	12.85	91	1487502	50.19	ppb	99
67) 1,1,1,2-tetrachloroethane	12.90	131	311006	50.61	ppb	98
68) m,p-xylene	12.95	106	1176171	103.27	ppb	93
69) o-xylene	13.29	106	585240	50.74	ppb	91
70) styrene	13.33	104	1051634	56.53	ppb	100
71) bromoform	13.39	173	214991	51.84	ppb	99
72) isopropylbenzene	13.52	105	1453236	52.01	ppb	100
75) 1,1,2,2-tetrachloroethane	13.87	83	401191	44.74	ppb	97
76) n-propylbenzene	13.83	91	1846432	46.99	ppb	99
77) trans-1,4-dichloro-2-buten	14.00	53	97914	53.32	ppb	98
78) 1,2,3-trichloropropane	14.00	110	104950	45.00	ppb	56
79) bromobenzene	13.88	156	330684	48.67	ppb	97
80) 1,3,5-trimethylbenzene	13.95	105	1206266	46.80	ppb	100
81) 2-chlorotoluene	13.99	126	353648	47.79	ppb	99
82) 4-chlorotoluene	14.11	126	348396	48.16	ppb	99
83) tert-butylbenzene	14.22	134	221305	49.51	ppb	99
84) 1,2,4-trimethylbenzene	14.26	105	1183299	46.33	ppb	100
85) sec-butylbenzene	14.36	105	1641860	47.02	ppb	100
86) p-isopropyltoluene	14.44	119	1265251	46.90	ppb	99
87) 1,3-dichlorobenzene	14.58	146	591169	47.39	ppb	99
88) 1,4-dichlorobenzene	14.64	146	585465	49.25	ppb	99
89) n-butylbenzene	14.78	91	1251737	46.53	ppb	99
90) 1,2-dichlorobenzene	15.01	146	539209	46.33	ppb	98
91) hexachloroethane	15.00	201	178367	50.34	ppb	100
92) 1,2-dibromo-3-chloropropan	15.69	157	60958	49.79	ppb	91
93) 1,2,4-trichlorobenzene	16.34	180	341754	48.40	ppb	98
94) hexachlorobutadiene	16.25	225	191950	46.56	ppb	99
95) naphthalene	16.71	128	803325	50.81	ppb	100
96) 1,2,3-trichlorobenzene	16.92	180	288244	49.29	ppb	98

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

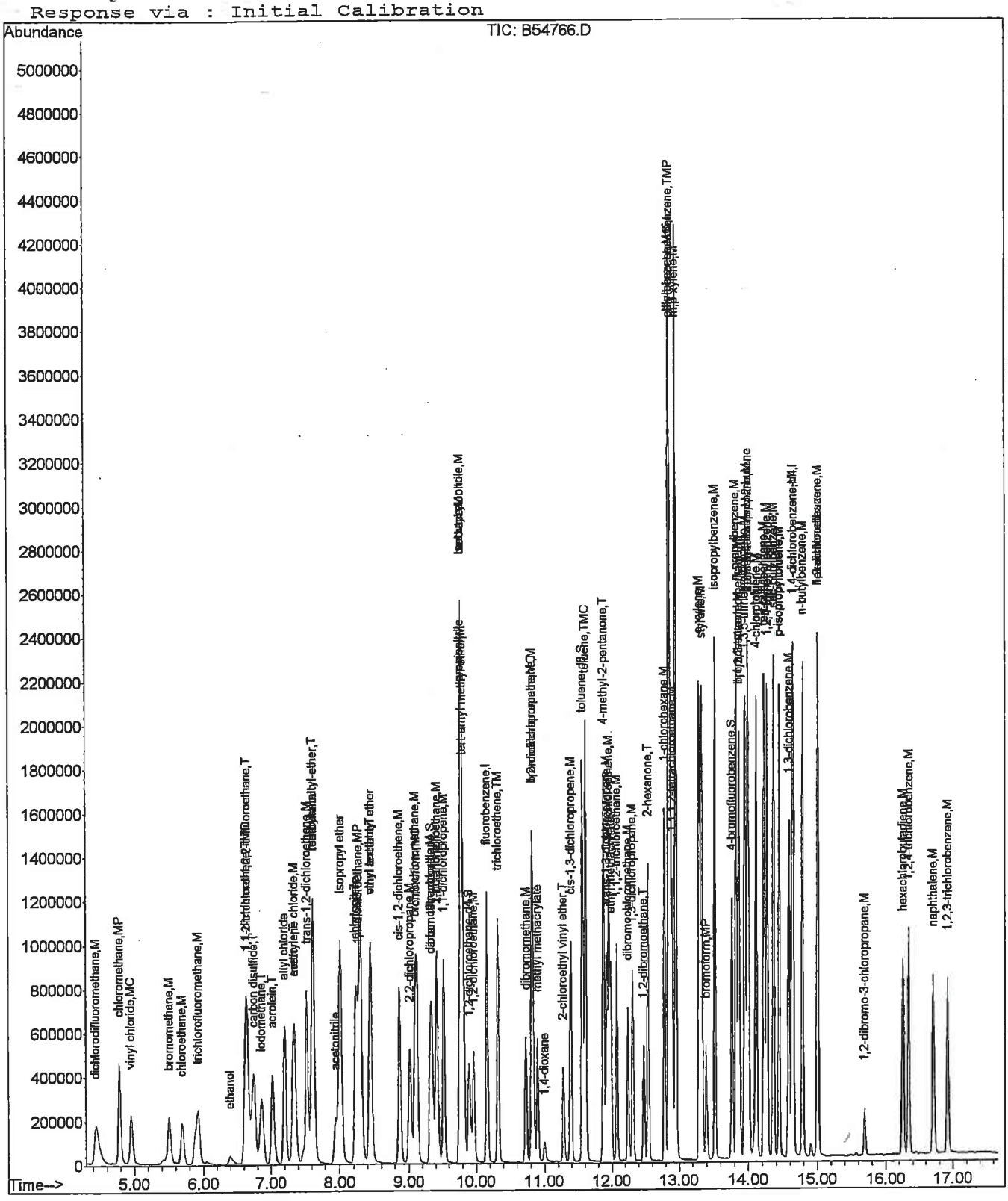
Quantitation Report

Data File : C:\HPCHEM\1\DATA\122908\B54766.D
Acq On : 29 Dec 2008 13:58
Sample : VL081229-2LCSD
Misc : 5mL heated water
MS Integration Params: rteint.p
Quant Time: Dec 29 14:25 2008

Vial: 3
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122908\B54770.D Vial: 7
Acq On : 29 Dec 2008 15:29 Operator: TWK-sop525r12
Sample : 0812200-12MS 400X Inst : CSS Instr
Misc : 5mL heated water - HS>pea Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 11:07 2008 Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.16	96	1162680	50.00	ppb		0.00
53) chlorobenzene-d5	12.86	117	899812	50.00	ppb		0.00
74) 1,4-dichlorobenzene-d4	14.63	152	343674	50.00	ppb		0.00
System Monitoring Compounds							
34) dibromofluoromethane	9.32	113	367796	52.07	ppb		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 104.14%				
39) 1,2-dichloroethane-d4	9.90	65	287006	51.10	ppb		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 102.20%				
54) toluene-d8	11.56	100	715554	48.14	ppb		0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 96.28%				
73) 4-bromofluorobenzene	13.77	174	255946	47.09	ppb		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 94.18%				
Target Compounds							Qvalue
8) ethanol	6.40	45	18495	223.86	ppb		98
11) 1,1-dichloroethene	6.63	96	325396	50.59	ppb		97
12) acetone	7.36	58	118850	237.45	ppb		99
13) iodomethane	6.87	142	586057	52.99	ppb		99
14) carbon disulfide	6.75	76	1119912	51.91	ppb		99
17) methylene chloride	7.34	84	402392	55.70	ppb		99
19) methyl-t-butyl-ether	7.62	73	831424	55.68	ppb	#	77
20) trans-1,2-dichloroethene	7.54	96	373497	52.83	ppb		99
23) vinyl acetate	8.46	43	400452	36.14	ppb		100
24) 1,1-dichloroethane	8.27	63	663164	51.78	ppb		99
26) 2-butanone	9.43	43	669790	235.31	ppb		100
27) ethyl tert-butyl ether	8.33	59	65974	3.22	ppb	#	20
28) 2,2-dichloropropane	9.02	77	432289	52.19	ppb		97
29) cis-1,2-dichloroethene	8.87	96	419283	53.34	ppb		99
32) bromochloromethane	9.10	128	212951	57.85	ppb		96
33) chloroform	9.13	83	655347	55.74	ppb		99
35) 1,1,1-trichloroethane	9.41	97	474522	50.62	ppb		99
36) carbon tetrachloride	9.35	117	414003	50.35	ppb		99
37) 1,1-dichloropropene	9.52	75	438535	50.31	ppb		99
40) tert-amyl methyl ether	9.78	73	46518	2.81	ppb	#	56
41) benzene	9.78	78	2549248	103.57	ppb		95
42) 1,2-dichloroethane	9.96	62	418272	54.24	ppb		98
43) trichloroethene	10.32	95	359173	51.62	ppb		98
44) 1,2-dichloropropane	10.82	63	384515	54.66	ppb		97
47) dibromomethane	10.73	93	255515	53.99	ppb		98
48) bromodichloromethane	10.83	83	486850	57.04	ppb		100
49) 2-chloroethyl vinyl ether	11.28	63	182725	55.21	ppb		92
51) cis-1,3-dichloropropene	11.39	75	564293	54.87	ppb		98
52) 4-methyl-2-pentanone	11.88	43	1369505	231.15	ppb		99
55) toluene	11.61	91	4049978	150.65	ppb	E	99
57) trans-1,3-dichloropropene	11.92	75	476265	50.07	ppb		97
58) 1,1,2-trichloroethane	12.07	83	280822	53.51	ppb		99
59) tetrachloroethene	11.95	164	200998	45.67	ppb		96
60) 2-hexanone	12.55	43	944453	205.64	ppb		100
61) 1,3-dichloropropane	12.32	76	473663	49.96	ppb		98
62) dibromochloromethane	12.24	129	338595	44.69	ppb		100
63) 1,2-dibromoethane	12.48	107	346911	50.16	ppb		99
64) 1-chlorohexane	12.85	91	1451976	148.47	ppb	#	26
65) chlorobenzene	12.87	112	840165	48.29	ppb		99
66) ethylbenzene	12.85	91	1451976	49.76	ppb		100

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

12/30/08

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122908\B54770.D
Acq On : 29 Dec 2008 15:29
Sample : 0812200-12MS 400X
Misc : 5mL heated water - HS>pea
MS Integration Params: rteint.p
Quant Time: Dec 30 11:07 2008

Vial: 7
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

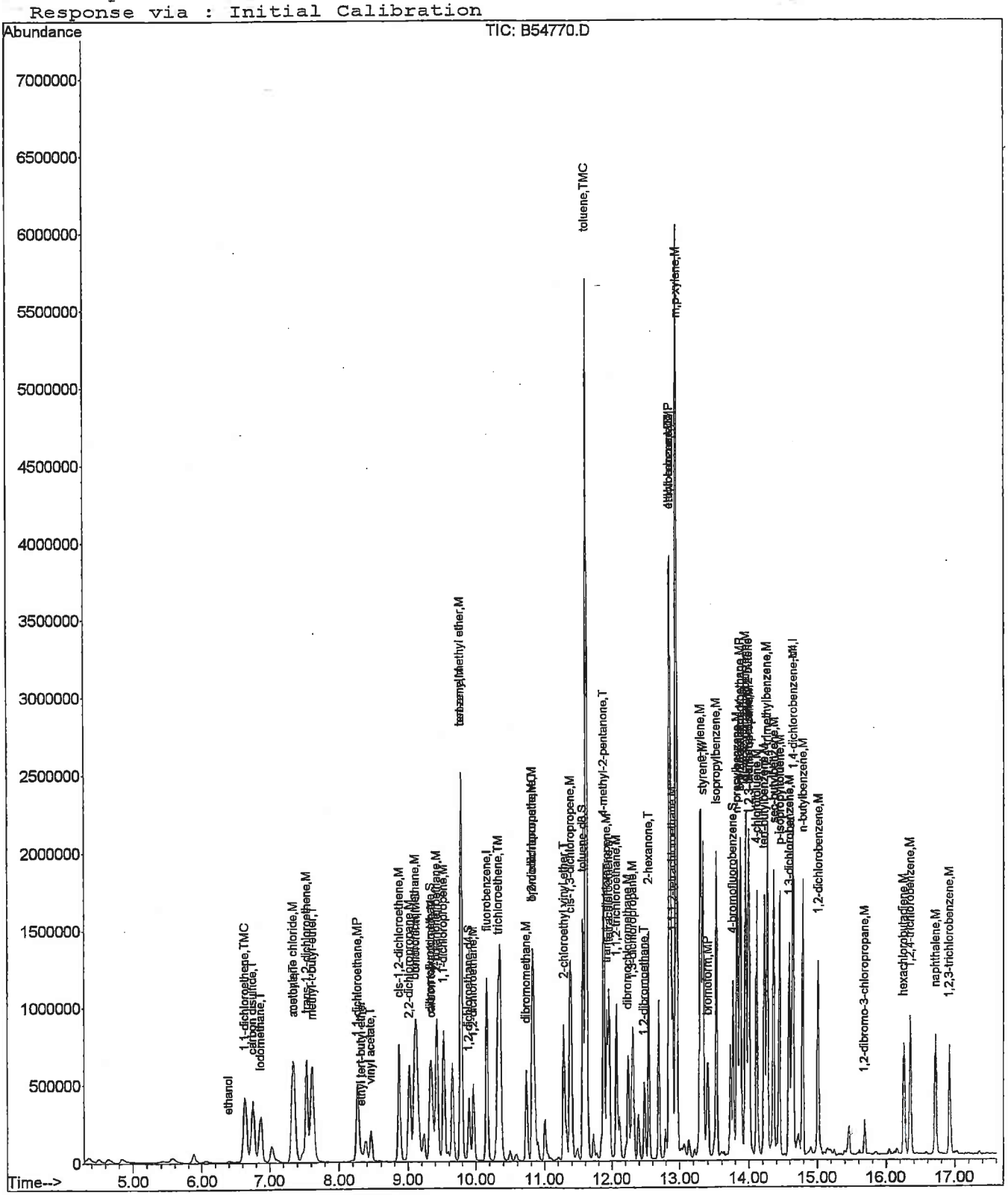
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
67)	1,1,1,2-tetrachloroethane	12.90	131	282495	46.69	ppb	99
68)	m,p-xylene	12.96	106	1759502	156.91	ppb	99
69)	o-xylene	13.30	106	635667	55.98	ppb	99
70)	styrene	13.33	104	935401	51.07	ppb	100
71)	bromoform	13.40	173	215032	52.67	ppb	99
72)	isopropylbenzene	13.52	105	1210999	44.02	ppb	100
75)	1,1,2,2-tetrachloroethane	13.87	83	407952	48.62	ppb	98
76)	n-propylbenzene	13.83	91	1548624	42.11	ppb	100
77)	trans-1,4-dichloro-2-buten	14.00	53	101452	59.03	ppb	98
78)	1,2,3-trichloropropane	14.01	110	108148	49.55	ppb	93
79)	bromobenzene	13.88	156	297613	46.80	ppb	95
80)	1,3,5-trimethylbenzene	13.95	105	1174734	48.71	ppb	100
81)	2-chlorotoluene	13.99	126	303452	43.82	ppb	99
82)	4-chlorotoluene	14.11	126	302088	44.63	ppb	99
83)	tert-butylbenzene	14.22	134	171140	40.91	ppb	91
84)	1,2,4-trimethylbenzene	14.26	105	1218105	50.96	ppb	98
85)	sec-butylbenzene	14.36	105	1283182	39.27	ppb	100
86)	p-isopropyltoluene	14.45	119	1043387	41.33	ppb	97
87)	1,3-dichlorobenzene	14.58	146	505801	43.33	ppb	99
88)	1,4-dichlorobenzene	14.65	146	509433	45.79	ppb	92
89)	n-butylbenzene	14.78	91	964816	38.32	ppb	100
90)	1,2-dichlorobenzene	15.01	146	481962	44.25	ppb	98
92)	1,2-dibromo-3-chloropropan	15.69	157	61923	54.05	ppb	94
93)	1,2,4-trichlorobenzene	16.34	180	282237	42.71	ppb	99
94)	hexachlorobutadiene	16.26	225	162625	42.15	ppb	99
95)	naphthalene	16.71	128	750440	50.72	ppb	100
96)	1,2,3-trichlorobenzene	16.92	180	249209	45.54	ppb	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\122908\B54770.D Vial: 7
Acq On : 29 Dec 2008 15:29 Operator: TWK-sop525r12
Sample : 0812200-12MS 400X Inst : CSS Instr
Misc : 5mL heated water - HS>pea Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 11:07 2008 Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122908\B54771.D
Acq On : 29 Dec 2008 15:51
Sample : 0812200-12MSD 400X
Misc : 5mL heated water - HS>pea
MS Integration Params: rteint.p
Quant Time: Dec 30 11:07 2008

Vial: 8
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	10.16	96	1197873	50.00	ppb		0.00
53) chlorobenzene-d5	12.86	117	874509	50.00	ppb		0.01
74) 1,4-dichlorobenzene-d4	14.63	152	353774	50.00	ppb		0.00
System Monitoring Compounds							
34) dibromofluoromethane	9.32	113	384759	52.87	ppb		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 105.74%				
39) 1,2-dichloroethane-d4	9.90	65	301656	52.13	ppb		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 104.26%				
54) toluene-d8	11.56	100	736790	51.00	ppb		0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 102.00%				
73) 4-bromofluorobenzene	13.77	174	262479	49.69	ppb		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.38%				
Target Compounds							Qvalue
8) ethanol	6.41	45	21215	249.24	ppb	#	80
11) 1,1-dichloroethene	6.63	96	365754	55.19	ppb		95
12) acetone	7.36	58	122127	236.78	ppb		86
13) iodomethane	6.87	142	635878	55.80	ppb		99
14) carbon disulfide	6.75	76	1234149	55.52	ppb		99
17) methylene chloride	7.34	84	436603	58.66	ppb		99
19) methyl-t-butyl-ether	7.62	73	910484	59.18	ppb	#	81
20) trans-1,2-dichloroethene	7.54	96	421498	57.87	ppb		94
23) vinyl acetate	8.46	43	434438	38.06	ppb		99
24) 1,1-dichloroethane	8.27	63	755391	57.24	ppb		97
26) 2-butanone	9.43	43	717746	244.75	ppb		99
27) ethyl tert-butyl ether	8.33	59	69552	3.29	ppb	#	31
28) 2,2-dichloropropane	9.02	77	481591	56.44	ppb		99
29) cis-1,2-dichloroethene	8.87	96	469260	57.94	ppb		97
32) bromochloromethane	9.10	128	236360	62.32	ppb		96
33) chloroform	9.13	83	745296	61.53	ppb		98
35) 1,1,1-trichloroethane	9.41	97	542101	56.13	ppb		97
36) carbon tetrachloride	9.35	117	462186	54.56	ppb		99
37) 1,1-dichloropropene	9.52	75	511531	56.96	ppb		98
40) tert-amyl methyl ether	9.78	73	45016	2.64	ppb	#	56
41) benzene	9.79	78	2747518	108.35	ppb		94
42) 1,2-dichloroethane	9.96	62	467571	58.86	ppb		98
43) trichloroethene	10.32	95	412443	57.54	ppb		98
44) 1,2-dichloropropane	10.82	63	432430	59.66	ppb		95
47) dibromomethane	10.73	93	282346	57.90	ppb		99
48) bromodichloromethane	10.83	83	547658	62.28	ppb		98
49) 2-chloroethyl vinyl ether	11.28	63	205294	60.21	ppb		95
51) cis-1,3-dichloropropene	11.39	75	643180	60.70	ppb		97
52) 4-methyl-2-pentanone	11.88	43	1495966	245.08	ppb		99
55) toluene	11.61	91	4251634	162.73	ppb	E	99
57) trans-1,3-dichloropropene	11.93	75	531309	57.47	ppb		98
58) 1,1,2-trichloroethane	12.07	83	312542	61.28	ppb		99
59) tetrachloroethene	11.95	164	235843	55.13	ppb		97
60) 2-hexanone	12.55	43	1029325	230.60	ppb		100
61) 1,3-dichloropropane	12.32	76	533515	57.91	ppb		100
62) dibromochloromethane	12.24	129	382421	51.93	ppb		97
63) 1,2-dibromoethane	12.48	107	379274	56.42	ppb		97
65) chlorobenzene	12.87	112	955960	56.53	ppb		98
66) ethylbenzene	12.85	91	1704733	60.11	ppb		100
67) 1,1,1,2-tetrachloroethane	12.90	131	320618	54.53	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\122908\B54771.D
Acq On : 29 Dec 2008 15:51
Sample : 0812200-12MSD 400X
Misc : 5mL heated water - HS>pea
MS Integration Params: rteint.p
Quant Time: Dec 30 11:07 2008

Vial: 8
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00
Quant Results File: 111408S.RES

Quant Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration
DataAcq Meth : 111408S

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
68) m,p-xylene	12.96	106	1843531	169.16	ppb		98
69) o-xylene	13.30	106	710187	64.35	ppb		100
70) styrene	13.33	104	1094097	61.47	ppb		100
71) bromoform	13.40	173	238007	59.98	ppb	#	98
72) isopropylbenzene	13.52	105	1450993	54.27	ppb		99
75) 1,1,2,2-tetrachloroethane	13.87	83	446215	51.66	ppb		98
76) n-propylbenzene	13.83	91	1952863	51.59	ppb		99
77) trans-1,4-dichloro-2-buten	14.00	53	114818	64.90	ppb		94
78) 1,2,3-trichloropropane	14.00	110	119603	53.24	ppb		59
79) bromobenzene	13.88	156	339522	51.87	ppb		88
80) 1,3,5-trimethylbenzene	13.95	105	1405125	56.59	ppb		100
81) 2-chlorotoluene	13.99	126	372172	52.20	ppb		99
82) 4-chlorotoluene	14.11	126	358805	51.49	ppb		98
83) tert-butylbenzene	14.22	134	217704	50.56	ppb		97
84) 1,2,4-trimethylbenzene	14.26	105	1407450	57.20	ppb		98
85) sec-butylbenzene	14.36	105	1652929	49.14	ppb		100
86) p-isopropyltoluene	14.45	119	1309293	50.39	ppb		96
87) 1,3-dichlorobenzene	14.58	146	613850	51.09	ppb		99
88) 1,4-dichlorobenzene	14.64	146	609818	53.25	ppb		99
89) n-butylbenzene	14.78	91	1284089	49.55	ppb		100
90) 1,2-dichlorobenzene	15.01	146	576908	51.45	ppb		98
92) 1,2-dibromo-3-chloropropan	15.69	157	65930	55.90	ppb		91
93) 1,2,4-trichlorobenzene	16.34	180	351677	51.70	ppb		97
94) hexachlorobutadiene	16.26	225	212383	53.48	ppb		99
95) naphthalene	16.71	128	881420	57.87	ppb		100
96) 1,2,3-trichlorobenzene	16.92	180	309206	54.89	ppb		98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\122908\B54771.D
Acq On : 29 Dec 2008 15:51
Sample : 0812200-12MSD 400X
Misc : 5mL heated water - HS>pea
MS Integration Params: rteint.p
Quant Time: Dec 30 11:07 2008

Vial: 8
Operator: TWK-sop525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 111408S.RES

Method : C:\HPCHEM\1\METHODS\111408S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Mon Dec 29 13:38:12 2008
Response via : Initial Calibration