New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/12/07

Technical Report for

GEI Consultants, Inc.

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Accutest Job Number: M63695

Sampling Date: 03/26/07

Report to:

GEI Consultants, Inc.
400 Unicorn Park Drive
Woburn, MA 01801-1970

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **106**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

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

Reza Tand
Lab Director

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579) NY (23346) NJ (MA926) NAVY USACE

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Sample Summary

GEI Consultants, Inc.

Job No: M63695

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M63695-1	03/26/07	17:03	KAW	03/28/07	AIR	Air	045162-12 KNOW-SS1
M63695-2	03/26/07	17:13	KAW	03/28/07	AIR	Air	045162-12 KNOW-SS2

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M63695
Site:	Indoor & Outdoor Air Samples Tufts St., Somerville MA	**Report Date**	4/12/2007 2:49:04 PM

1 Sample was collected on 03/26/2007 and were received at Accutest on 03/28/2007. These Samples received an Accutest job number of M63695. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method TO-15

Matrix AIR **Batch ID:** MSQ169

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M63694-2DUP were used as the QC samples indicated.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M63695).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-12 KNOW-SS2		
Lab Sample ID:	M63695-2	**Date Sampled:**	03/26/07
Matrix:	AIR - Air Summa ID: M143	**Date Received:**	03/28/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q3180.D	1	04/10/07	DFT	n/a	n/a	MSQ169
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.96	0.20	ppbv		6.5	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		57-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

ACCUTEST Laboratories

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

FED-EX Tracking #:
Bottle Order Control #:
Lab Quote #:
Lab Job #: M63695

PAGE 1 OF 1

Client / Reporting Information

Company Name: GEI
Address: 400 Unicorn Park
City: Woburn State: MA Zip: 01801
Project Contact: Mark Ensign E-mail: mensign@geiconsultants.com
Phone #: (781) 721 4600 Fax #: (781) 721-4073
Sampler(s) Name(s):

Project Name: Tufts St.
Street:
City: Somerville State: MA
Project #: 045162
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: 49 Maximum: 49
Stop: 42 Minimum:

Atmospheric Pressure (inches of Hg)
Start: 30.30 Maximum:
Stop: 30.17 Minimum:

Other weather comment:

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Standard TO-15 Reporting List	MA DEP APH	
-1	045162-12Knaw-SS1	SV	m086	6	m0090	3/26/07	1703	30	–	KAW	3/26/07	1801	4.5	–	KAW			
-2	" " -SS2	"	m143	"	m0091	"	1713	29	–	"	"	1803	5	–	"			

Turnaround Time (Business days)

Standard - 15 Days ✓
10 Day
5 Day
3 Day
2 Day
1 Day
Other

Approved By:
Date:

Data Deliverable Information

Comm A
Comm B
Full TI
Other:

Comments / Remarks

Please see attached list of analytes.
Please HOLD 045162-12Knaw-SS1

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

Relinquished by Laboratory	Date Time	Received By	Relinquished By	Date Time	Received By
1 D. Moseley	3/26/07 1900	1 GEI Lab.	2 GEI Lab	3/28/07 14:50	2 Ray Sayeau
Relinquished by: 1 Ray Sayeau	3/28/07 14:50	3	4	3/28/07 16:00	4
Relinquished by: 2 5	Date Time:	Received By: 5	Custody Seal #		

SM013-01 (2/14/06)

Sub Slab
~~Indoor Air~~ **Sampling Analyte List**

- Chloroethane
- Carbon Tetrachloride
- 1,1-Dichloroethane
- 1,1-Dichloroethylene
- 1,2-Dichloroethane
- trans-1,2-Dichloroethylene
- cis-1,2-Dichloroethylene
- 1,1,1-Trichloroethane
- 1,1,2,2-Tetrachloroethane
- 1,1,2-Trichloroethane
- Tetrachloroethylene
- Trichloroethylene
- Vinyl Chloride

Summa Certification Blanks

Sample ID	Canister ID
M63695-2	M143

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9679.D
Acq On : 15 Mar 2007 4:38 am
Operator : PhilipB
Sample : M63393-12 (M143)
Misc : MS13188, MSJ500,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 15 09:15:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J031307T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Mar 14 10:54:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	101875	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	251866	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	184360	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	44617	4.84	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 96.80%

Target Compounds	Qvalue

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

4.1

4

M63695: Chain of Custody
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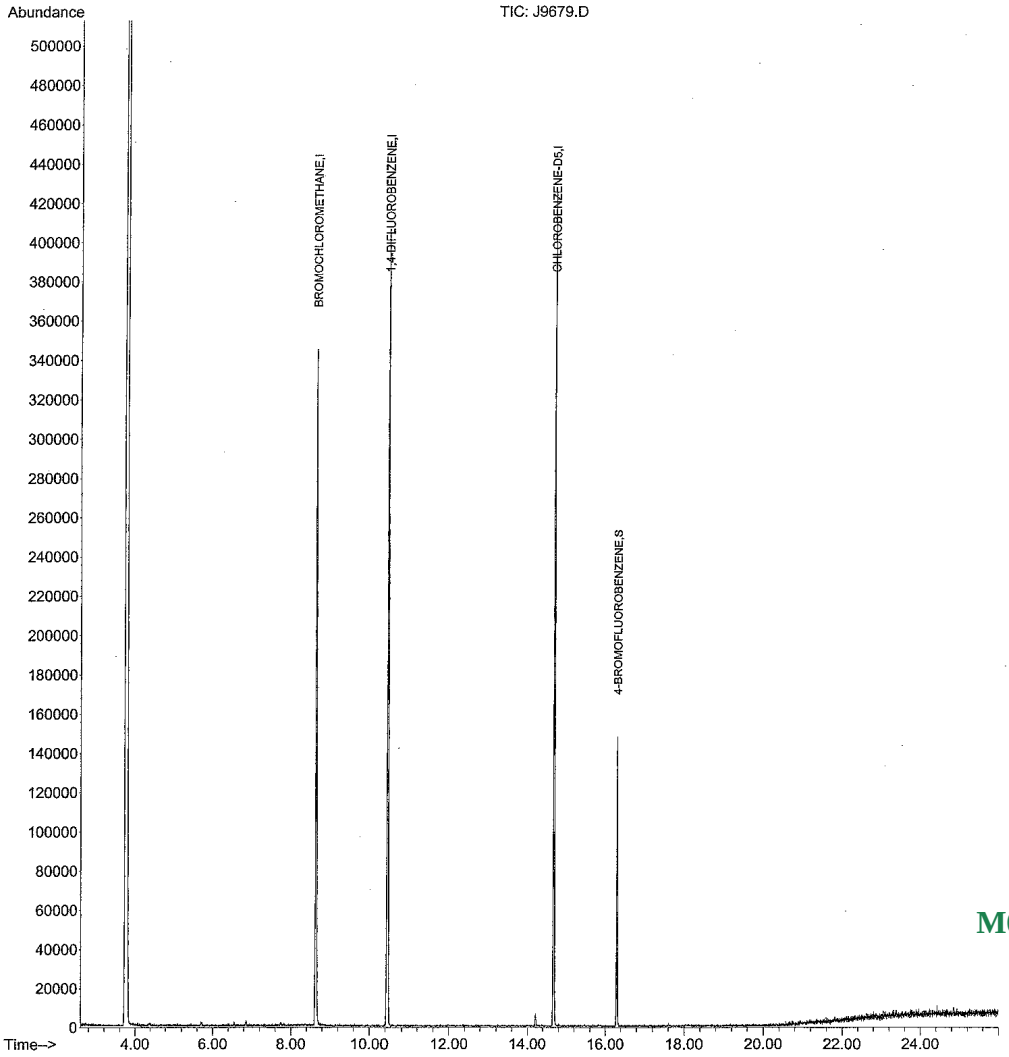
```
Data Path : C:\MSDCHEM\1\DATA\
Data File : J9679.D
Acq On    : 15 Mar 2007   4:38 am
Operator  : PhilipB
Sample    : M63393-12  (M143)
Misc      : MS13188, MSJ500,,,,,1
ALS Vial  : 5   Sample Multiplier: 1

Quant Time: Mar 15 09:15:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J031307T.M
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Mar 14 10:54:38 2007
Response via : Initial Calibration
```



J031307T.M Thu Mar 15 09:16:07 2007 Page: 2

M63695: Chain of Custody
Page 5 of 5

Summa Canister and Flow Controller Log

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA
Received: 03/28/07

SUMMA CANISTERS

Shipping							Receiving						
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
M086	6	29.4	03/05/07	PB	CP376		M63695-1	04/11/07	PB	4		-2	1
M143	6	29.4	03/19/07	PB	CP381		M63695-2	04/11/07	DFT	6			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC090	03/19/07	PB	80	1	04/02/07	PB	81
MC091	03/19/07	PB	80	1	04/02/07	PB	77

Accutest Bottle Order(s):
PB/3-19-07/GEI/TUFTS ST.
PB/3-5-07/GEI/TUFTS STREET

Prep Date	Room Temp(F)	Bar Pres "Hg
03/05/07	70	29.92
03/19/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M63695

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M63695-2	Collected: 26-MAR-07 17:13 By: KAW		Received: 28-MAR-07 By: RS			
045162-12 KNOW-SS2						
M63695-2	TO-15	10-APR-07 16:48	DFT			VTO15STD

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ169-MB	Q3173.D	1	04/10/07	DFT	n/a	n/a	MSQ169

The QC reported here applies to the following samples: **Method:** TO-15

M63695-2

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	88%	57-139%

Blank Spike Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ169-BS	Q3171B.D	1	04/10/07	DFT	n/a	n/a	MSQ169

The QC reported here applies to the following samples: **Method:** TO-15

M63695-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	10.9	109	70-130
56-23-5	Carbon tetrachloride	10	9.7	97	70-130
75-34-3	1,1-Dichloroethane	10	11.4	114	70-130
75-35-4	1,1-Dichloroethylene	10	10.1	101	70-130
107-06-2	1,2-Dichloroethane	10	9.3	93	70-130
156-60-5	trans-1,2-Dichloroethylene	10	11.5	115	70-130
156-59-2	cis-1,2-Dichloroethylene	10	9.9	99	70-130
71-55-6	1,1,1-Trichloroethane	10	9.7	97	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	8.9	89	70-130
79-00-5	1,1,2-Trichloroethane	10	8.7	87	70-130
127-18-4	Tetrachloroethylene	10	9.6	96	70-130
79-01-6	Trichloroethylene	10	9.9	99	70-130
75-01-4	Vinyl chloride	10	10.1	101	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	108%	57-139%

Duplicate Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M63694-2DUP	Q3179.D	1	04/10/07	DFT	n/a	n/a	MSQ169
M63694-2	Q3178.D	1	04/10/07	DFT	n/a	n/a	MSQ169

The QC reported here applies to the following samples: **Method:** TO-15

M63695-2

CAS No.	Compound	M63694-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	28.2		31.2		10	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
127-18-4	Tetrachloroethylene	2.0		2.1		5	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M63694-2	Limits
460-00-4	4-Bromofluorobenzene	87%	89%	57-139%

Instrument Performance Check (BFB)

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ169-BFB
Lab File ID: Q3163.D
Instrument ID: GCMSQ
Injection Date: 04/09/07
Injection Time: 13:30

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	66582	24.5		Pass
75	30.0 - 66.0% of mass 95	155708	57.3		Pass
95	Base peak, 100% relative abundance	271830	100.0		Pass
96	5.0 - 9.0% of mass 95	18395	6.8		Pass
173	Less than 2.0% of mass 174	369	0.14	(0.16) [a]	Pass
174	50.0 - 120.0% of mass 95	224074	82.4		Pass
175	4.0 - 9.0% of mass 174	15945	5.9	(7.1) [a]	Pass
176	93.0 - 101.0% of mass 174	215491	79.3	(96.2) [a]	Pass
177	5.0 - 9.0% of mass 176	13913	5.1	(6.5) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ169-IC169	Q3163.D	04/09/07	13:30	00:00	Initial cal 40
MSQ169-IC169	Q3164.D	04/09/07	14:12	00:42	Initial cal 20
MSQ169-ICC169	Q3165.D	04/09/07	14:55	01:25	Initial cal 10
MSQ169-IC169	Q3166.D	04/09/07	15:38	02:08	Initial cal 5
MSQ169-IC169	Q3167.D	04/09/07	16:21	02:51	Initial cal 2
MSQ169-IC169	Q3168.D	04/09/07	17:04	03:34	Initial cal 0.5
MSQ169-IC169	Q3169.D	04/09/07	17:46	04:16	Initial cal 0.2
MSQ169-ICV169	Q3171.D	04/10/07	10:16	20:46	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ169-BFB
Lab File ID: Q3171.D
Instrument ID: GCMSQ
Injection Date: 04/10/07
Injection Time: 10:16

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	60445	25.3		Pass
75	30.0 - 66.0% of mass 95	140464	58.8		Pass
95	Base peak, 100% relative abundance	239069	100.0		Pass
96	5.0 - 9.0% of mass 95	14739	6.2		Pass
173	Less than 2.0% of mass 174	750	0.31	(0.39) [a]	Pass
174	50.0 - 120.0% of mass 95	190517	79.7		Pass
175	4.0 - 9.0% of mass 174	13414	5.6	(7.0) [a]	Pass
176	93.0 - 101.0% of mass 174	184081	77.0	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	11199	4.7	(6.1) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ169-CC169	Q3171A.D	04/10/07	10:16	00:00	Continuing cal 10
MSQ169-BS	Q3171B.D	04/10/07	10:16	00:00	Blank Spike
MSQ169-MB	Q3173.D	04/10/07	11:46	01:30	Method Blank
ZZZZZZ	Q3177.D	04/10/07	14:41	04:25	(unrelated sample)
M63694-2	Q3178.D	04/10/07	15:24	05:08	(used for QC only; not part of job M63695)
M63694-2DUP	Q3179.D	04/10/07	16:06	05:50	Duplicate
M63695-2	Q3180.D	04/10/07	16:48	06:32	045162-12 KNOW-SS2
ZZZZZZ	Q3181.D	04/10/07	17:30	07:14	(unrelated sample)
ZZZZZZ	Q3184.D	04/10/07	19:36	09:20	(unrelated sample)
ZZZZZZ	Q3185.D	04/10/07	20:18	10:02	(unrelated sample)
ZZZZZZ	Q3186.D	04/10/07	21:01	10:45	(unrelated sample)
ZZZZZZ	Q3187.D	04/10/07	21:43	11:27	(unrelated sample)
ZZZZZZ	Q3188.D	04/10/07	22:26	12:10	(unrelated sample)
ZZZZZZ	Q3189.D	04/10/07	23:08	12:52	(unrelated sample)
ZZZZZZ	Q3190.D	04/10/07	23:50	13:34	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSQ169-CC169	**Injection Date:**	04/10/07
Lab File ID:	Q3171A.D	**Injection Time:**	10:16
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	319103	8.64	1446087	10.47	1236457	14.72
Upper Limit [a]	446744	8.97	2024522	10.80	1731040	15.05
Lower Limit [b]	191462	8.31	867652	10.14	741874	14.39

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ169-BS	319103	8.64	1446087	10.47	1236457	14.72
MSQ169-MB	252969	8.64	1134124	10.47	945025	14.72
ZZZZZZ	262690	8.65	1249257	10.47	1050173	14.72
M63694-2	284777	8.64	1341262	10.48	1116747	14.72
M63694-2DUP	258395	8.65	1221169	10.47	1047589	14.72
M63695-2	261191	8.64	1236534	10.47	1031810	14.72
ZZZZZZ	260072	8.64	1256993	10.47	1076001	14.72
ZZZZZZ	284099	8.64	1331573	10.48	1152459	14.72
ZZZZZZ	290571	8.64	1410232	10.47	1288495	14.72
ZZZZZZ	290160	8.64	1382953	10.47	1184345	14.72
ZZZZZZ	282413	8.64	1361566	10.47	1189076	14.72
ZZZZZZ	294869	8.64	1452753	10.47	1311838	14.72
ZZZZZZ	285493	8.64	1366114	10.47	1159975	14.72
ZZZZZZ	290941	8.64	1390517	10.48	1291950	14.72

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ169-IC169	Q3163.D	04/09/07 13:30	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ169-IC169	Q3164.D	04/09/07 14:12	DFT	20	GCMSQ	TO-15	
MSQ169-ICC169	Q3165.D	04/09/07 14:55	DFT	10	GCMSQ	TO-15	
MSQ169-IC169	Q3166.D	04/09/07 15:38	DFT	5	GCMSQ	TO-15	
MSQ169-IC169	Q3167.D	04/09/07 16:21	DFT	2	GCMSQ	TO-15	
MSQ169-IC169	Q3168.D	04/09/07 17:04	DFT	0.5	GCMSQ	TO-15	
MSQ169-IC169	Q3169.D	04/09/07 17:46	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.64	0.648	ok	0.648	0.588-0.708
1,3-Butadiene	4.56	8.64	0.528	ok	0.527	0.467-0.587
Benzene	10.16	10.48	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.12	10.48	1.061	ok	1.062	1.002-1.122
Bromoform	15.45	14.72	1.050	ok	1.049	0.989-1.109
Bromomethane	4.83	8.64	0.559	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.94	14.72	1.219	ok	1.218	1.158-1.278
Carbon disulfide	6.86	8.64	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.64	0.580	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.31	8.64	1.193	ok	1.193	1.133-1.253
Cyclohexane	10.43	10.48	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.64	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.64	1.097	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.94	10.48	1.044	ok	1.045	0.985-1.105
1,4-Dioxane	11.15	10.48	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.64	0.468	ok	0.467	0.407-0.527
Dibromochloromethane	13.37	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.64	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.48	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.04	14.72	1.226	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.48	1.191	ok	1.192	1.132-1.252
Ethanol	5.10	8.64	0.590	ok	0.590	0.530-0.650
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.64	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.81	8.64	0.788	ok	0.788	0.728-0.848
Freon 114	4.29	8.64	0.497	ok	0.497	0.437-0.557
Heptane	11.42	10.48	1.090	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.414	1.354-1.474
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ169-IC169	Q3163.D	04/09/07 13:30	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ169-IC169	Q3164.D	04/09/07 14:12	DFT	20	GCMSQ	TO-15	
MSQ169-ICC169	Q3165.D	04/09/07 14:55	DFT	10	GCMSQ	TO-15	
MSQ169-IC169	Q3166.D	04/09/07 15:38	DFT	5	GCMSQ	TO-15	
MSQ169-IC169	Q3167.D	04/09/07 16:21	DFT	2	GCMSQ	TO-15	
MSQ169-IC169	Q3168.D	04/09/07 17:04	DFT	0.5	GCMSQ	TO-15	
MSQ169-IC169	Q3169.D	04/09/07 17:46	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.49	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.64	0.675	ok	0.675	0.615-0.735
Methylene chloride	6.54	8.64	0.757	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.04	8.64	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.48	1.144	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.64	0.892	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.64	0.712	ok	0.712	0.652-0.772
Propylene	3.96	8.64	0.458	ok	0.459	0.399-0.519
Styrene	15.73	14.72	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.84	14.72	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.66	10.48	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.78	14.72	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.19	10.48	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.64	0.744	ok	0.745	0.685-0.805
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.64	1.058	ok	1.059	0.999-1.119
Toluene	12.94	10.48	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.48	1.065	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.64	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.64	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.35	14.72	1.043	ok	1.042	0.982-1.102
o-Xylene	15.85	14.72	1.077	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	313410	ok	303348	182009-424687
1,4-Difluorobenzene	10.48	ok	10.47	10.14-10.80	1488411	ok	1442390	865434-2019346
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	1385600	ok	1274252	764551-1783953

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ169-IC169	Q3163.D	04/09/07 13:30	DFT	40	GCMSQ	TO-15	
MSQ169-IC169	Q3164.D	04/09/07 14:12	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ169-ICC169	Q3165.D	04/09/07 14:55	DFT	10	GCMSQ	TO-15	
MSQ169-IC169	Q3166.D	04/09/07 15:38	DFT	5	GCMSQ	TO-15	
MSQ169-IC169	Q3167.D	04/09/07 16:21	DFT	2	GCMSQ	TO-15	
MSQ169-IC169	Q3168.D	04/09/07 17:04	DFT	0.5	GCMSQ	TO-15	
MSQ169-IC169	Q3169.D	04/09/07 17:46	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.64	0.648	ok	0.648	0.588-0.708
1,3-Butadiene	4.56	8.64	0.528	ok	0.527	0.467-0.587
Benzene	10.16	10.47	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.64	0.559	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.94	14.72	1.219	ok	1.218	1.158-1.278
Carbon disulfide	6.86	8.64	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.64	0.580	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.66	8.64	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.31	8.64	1.193	ok	1.193	1.133-1.253
Cyclohexane	10.43	10.47	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.64	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.64	1.096	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.045	0.985-1.105
1,4-Dioxane	11.14	10.47	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.64	0.466	ok	0.467	0.407-0.527
Dibromochloromethane	13.37	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.64	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.47	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.192	1.132-1.252
Ethanol	5.09	8.64	0.589	ok	0.590	0.530-0.650
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.64	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.80	8.64	0.787	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.497	0.437-0.557
Heptane	11.42	10.47	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.82	14.72	1.414	ok	1.414	1.354-1.474
Hexane	8.67	8.64	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ169-IC169	Q3163.D	04/09/07 13:30	DFT	40	GCMSQ	TO-15	
MSQ169-IC169	Q3164.D	04/09/07 14:12	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ169-ICC169	Q3165.D	04/09/07 14:55	DFT	10	GCMSQ	TO-15	
MSQ169-IC169	Q3166.D	04/09/07 15:38	DFT	5	GCMSQ	TO-15	
MSQ169-IC169	Q3167.D	04/09/07 16:21	DFT	2	GCMSQ	TO-15	
MSQ169-IC169	Q3168.D	04/09/07 17:04	DFT	0.5	GCMSQ	TO-15	
MSQ169-IC169	Q3169.D	04/09/07 17:46	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.49	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.64	0.674	ok	0.675	0.615-0.735
Methylene chloride	6.54	8.64	0.757	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.04	8.64	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.47	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.64	0.892	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.64	0.712	ok	0.712	0.652-0.772
Propylene	3.96	8.64	0.458	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.78	14.72	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.64	0.744	ok	0.745	0.685-0.805
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.64	1.058	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.64	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.64	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.34	14.72	1.042	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	346852	ok	303348	182009-424687
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	1673075	ok	1442390	865434-2019346
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	1549954	ok	1274252	764551-1783953

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ169-IC169	Q3163.D	04/09/07 13:30	DFT	40	GCMSQ	TO-15	
MSQ169-IC169	Q3164.D	04/09/07 14:12	DFT	20	GCMSQ	TO-15	
MSQ169-ICC169	Q3165.D	04/09/07 14:55	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ169-IC169	Q3166.D	04/09/07 15:38	DFT	5	GCMSQ	TO-15	
MSQ169-IC169	Q3167.D	04/09/07 16:21	DFT	2	GCMSQ	TO-15	
MSQ169-IC169	Q3168.D	04/09/07 17:04	DFT	0.5	GCMSQ	TO-15	
MSQ169-IC169	Q3169.D	04/09/07 17:46	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.64	0.648	ok	0.648	0.588-0.708
1,3-Butadiene	4.55	8.64	0.527	ok	0.527	0.467-0.587
Benzene	10.16	10.47	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.64	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.93	14.72	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.64	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.64	0.580	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.31	8.64	1.193	ok	1.193	1.133-1.253
Cyclohexane	10.43	10.47	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.64	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.64	1.097	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.045	0.985-1.105
1,4-Dioxane	11.15	10.47	1.065	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.64	0.466	ok	0.467	0.407-0.527
Dibromochloromethane	13.37	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.64	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.47	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.192	1.132-1.252
Ethanol	5.10	8.64	0.590	ok	0.590	0.530-0.650
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.64	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.81	8.64	0.788	ok	0.788	0.728-0.848
Freon 114	4.29	8.64	0.497	ok	0.497	0.437-0.557
Heptane	11.42	10.47	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.82	14.72	1.414	ok	1.414	1.354-1.474
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ169-IC169	Q3163.D	04/09/07 13:30	DFT	40	GCMSQ	TO-15	
MSQ169-IC169	Q3164.D	04/09/07 14:12	DFT	20	GCMSQ	TO-15	
MSQ169-ICC169	Q3165.D	04/09/07 14:55	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ169-IC169	Q3166.D	04/09/07 15:38	DFT	5	GCMSQ	TO-15	
MSQ169-IC169	Q3167.D	04/09/07 16:21	DFT	2	GCMSQ	TO-15	
MSQ169-IC169	Q3168.D	04/09/07 17:04	DFT	0.5	GCMSQ	TO-15	
MSQ169-IC169	Q3169.D	04/09/07 17:46	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.49	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.64	0.674	ok	0.675	0.615-0.735
Methylene chloride	6.54	8.64	0.757	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.04	8.64	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.47	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.64	0.712	ok	0.712	0.652-0.772
Propylene	3.96	8.64	0.458	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.33	14.72	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.78	14.72	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.64	0.744	ok	0.745	0.685-0.805
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.64	1.059	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.64	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.64	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.64	0.902	ok	0.903	0.843-0.963
m,p-Xylene	15.34	14.72	1.042	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	297603	ok	303348	182009-424687
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	1369702	ok	1442390	865434-2019346
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	1196101	ok	1274252	764551-1783953

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ169-IC169	Q3163.D	04/09/07 13:30	DFT	40	GCMSQ	TO-15	
MSQ169-IC169	Q3164.D	04/09/07 14:12	DFT	20	GCMSQ	TO-15	
MSQ169-ICC169	Q3165.D	04/09/07 14:55	DFT	10	GCMSQ	TO-15	
MSQ169-IC169	Q3166.D	04/09/07 15:38	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ169-IC169	Q3167.D	04/09/07 16:21	DFT	2	GCMSQ	TO-15	
MSQ169-IC169	Q3168.D	04/09/07 17:04	DFT	0.5	GCMSQ	TO-15	
MSQ169-IC169	Q3169.D	04/09/07 17:46	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.64	0.648	ok	0.648	0.588-0.708
1,3-Butadiene	4.56	8.64	0.528	ok	0.527	0.467-0.587
Benzene	10.16	10.47	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.64	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.94	14.72	1.219	ok	1.218	1.158-1.278
Carbon disulfide	6.86	8.64	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.64	0.580	ok	0.580	0.520-0.640
Chloroform	8.77	8.64	1.015	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.30	8.64	1.192	ok	1.193	1.133-1.253
Cyclohexane	10.43	10.47	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.64	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.64	1.096	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.045	0.985-1.105
1,4-Dioxane	11.15	10.47	1.065	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.64	0.466	ok	0.467	0.407-0.527
Dibromochloromethane	13.37	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.64	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.47	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.192	1.132-1.252
Ethanol	5.10	8.64	0.590	ok	0.590	0.530-0.650
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.64	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.81	8.64	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.497	0.437-0.557
Heptane	11.42	10.47	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.81	14.72	1.414	ok	1.414	1.354-1.474
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ169-IC169	Q3163.D	04/09/07 13:30	DFT	40	GCMSQ	TO-15	
MSQ169-IC169	Q3164.D	04/09/07 14:12	DFT	20	GCMSQ	TO-15	
MSQ169-ICC169	Q3165.D	04/09/07 14:55	DFT	10	GCMSQ	TO-15	
MSQ169-IC169	Q3166.D	04/09/07 15:38	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ169-IC169	Q3167.D	04/09/07 16:21	DFT	2	GCMSQ	TO-15	
MSQ169-IC169	Q3168.D	04/09/07 17:04	DFT	0.5	GCMSQ	TO-15	
MSQ169-IC169	Q3169.D	04/09/07 17:46	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.48	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.64	0.675	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.64	0.758	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.04	8.64	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.47	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.64	0.712	ok	0.712	0.652-0.772
Propylene	3.96	8.64	0.458	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.33	14.72	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.78	14.72	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.64	0.745	ok	0.745	0.685-0.805
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.64	1.059	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.64	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.64	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.34	14.72	1.042	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	333305	ok	303348	182009-424687
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	1585997	ok	1442390	865434-2019346
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	1359183	ok	1274252	764551-1783953

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ169-IC169	Q3163.D	04/09/07 13:30	DFT	40	GCMSQ	TO-15	
MSQ169-IC169	Q3164.D	04/09/07 14:12	DFT	20	GCMSQ	TO-15	
MSQ169-ICC169	Q3165.D	04/09/07 14:55	DFT	10	GCMSQ	TO-15	
MSQ169-IC169	Q3166.D	04/09/07 15:38	DFT	5	GCMSQ	TO-15	
MSQ169-IC169	Q3167.D	04/09/07 16:21	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ169-IC169	Q3168.D	04/09/07 17:04	DFT	0.5	GCMSQ	TO-15	
MSQ169-IC169	Q3169.D	04/09/07 17:46	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.64	0.648	ok	0.648	0.588-0.708
1,3-Butadiene	4.55	8.64	0.527	ok	0.527	0.467-0.587
Benzene	10.16	10.47	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.64	0.559	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.94	14.72	1.219	ok	1.218	1.158-1.278
Carbon disulfide	6.86	8.64	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.64	0.580	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.03	14.72	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.30	8.64	1.192	ok	1.193	1.133-1.253
Cyclohexane	10.43	10.47	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.64	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.64	1.097	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.045	0.985-1.105
1,4-Dioxane	11.15	10.47	1.065	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.64	0.468	ok	0.467	0.407-0.527
Dibromochloromethane	13.36	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.48	8.64	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.47	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.95	14.72	1.219	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.192	1.132-1.252
Ethanol	5.10	8.64	0.590	ok	0.590	0.530-0.650
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.64	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.81	8.64	0.788	ok	0.788	0.728-0.848
Freon 114	4.29	8.64	0.497	ok	0.497	0.437-0.557
Heptane	11.42	10.47	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.82	14.72	1.414	ok	1.414	1.354-1.474
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ169-IC169	Q3163.D	04/09/07 13:30	DFT	40	GCMSQ	TO-15	
MSQ169-IC169	Q3164.D	04/09/07 14:12	DFT	20	GCMSQ	TO-15	
MSQ169-ICC169	Q3165.D	04/09/07 14:55	DFT	10	GCMSQ	TO-15	
MSQ169-IC169	Q3166.D	04/09/07 15:38	DFT	5	GCMSQ	TO-15	
MSQ169-IC169	Q3167.D	04/09/07 16:21	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ169-IC169	Q3168.D	04/09/07 17:04	DFT	0.5	GCMSQ	TO-15	
MSQ169-IC169	Q3169.D	04/09/07 17:46	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.48	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.64	0.675	ok	0.675	0.615-0.735
Methylene chloride	6.55	8.64	0.758	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.04	8.64	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.47	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.64	0.712	ok	0.712	0.652-0.772
Propylene	3.96	8.64	0.458	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.32	14.72	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.78	14.72	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.18	10.47	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.64	0.745	ok	0.745	0.685-0.805
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.64	1.059	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.64	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.64	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.34	14.72	1.042	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	292172	ok	303348	182009-424687
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	1364723	ok	1442390	865434-2019346
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	1185569	ok	1274252	764551-1783953

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ169-IC169	Q3163.D	04/09/07 13:30	DFT	40	GCMSQ	TO-15	
MSQ169-IC169	Q3164.D	04/09/07 14:12	DFT	20	GCMSQ	TO-15	
MSQ169-ICC169	Q3165.D	04/09/07 14:55	DFT	10	GCMSQ	TO-15	
MSQ169-IC169	Q3166.D	04/09/07 15:38	DFT	5	GCMSQ	TO-15	
MSQ169-IC169	Q3167.D	04/09/07 16:21	DFT	2	GCMSQ	TO-15	
MSQ169-IC169	Q3168.D	04/09/07 17:04	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ169-IC169	Q3169.D	04/09/07 17:46	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.64	0.649	ok	0.648	0.588-0.708
1,3-Butadiene	4.56	8.64	0.528	ok	0.527	0.467-0.587
Benzene	10.16	10.47	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.64	0.559	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.94	14.72	1.219	ok	1.218	1.158-1.278
Carbon disulfide	6.87	8.64	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.76	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.64	0.580	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.30	8.64	1.192	ok	1.193	1.133-1.253
Cyclohexane	10.43	10.47	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.68	8.64	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.64	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.61	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.64	1.096	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.045	0.985-1.105
1,4-Dioxane	11.17	10.47	1.067	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.64	0.466	ok	0.467	0.407-0.527
Dibromochloromethane	13.36	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.64	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.97	10.47	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.95	14.72	1.219	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.48	10.47	1.192	ok	1.192	1.132-1.252
Ethanol	5.10	8.64	0.590	ok	0.590	0.530-0.650
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.64	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.22	14.72	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.64	0.787	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.497	0.437-0.557
Heptane	11.43	10.47	1.092	ok	1.091	1.031-1.151
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ169-IC169	Q3163.D	04/09/07 13:30	DFT	40	GCMSQ	TO-15	
MSQ169-IC169	Q3164.D	04/09/07 14:12	DFT	20	GCMSQ	TO-15	
MSQ169-ICC169	Q3165.D	04/09/07 14:55	DFT	10	GCMSQ	TO-15	
MSQ169-IC169	Q3166.D	04/09/07 15:38	DFT	5	GCMSQ	TO-15	
MSQ169-IC169	Q3167.D	04/09/07 16:21	DFT	2	GCMSQ	TO-15	
MSQ169-IC169	Q3168.D	04/09/07 17:04	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ169-IC169	Q3169.D	04/09/07 17:46	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropylbenzene	16.48	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.64	0.675	ok	0.675	0.615-0.735
Methyl ethyl ketone	8.05	8.64	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	12.00	10.47	1.146	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.15	8.64	0.712	ok	0.712	0.652-0.772
Propylene	3.97	8.64	0.459	ok	0.459	0.399-0.519
Styrene	15.73	14.72	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trimethylbenzene	17.77	14.72	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.19	10.47	1.069	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.45	8.64	0.747	ok	0.745	0.685-0.805
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.17	8.64	1.061	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.64	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.43	8.64	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.34	14.72	1.042	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	286415	ok	303348	182009-424687
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	1405494	ok	1442390	865434-2019346
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	1198048	ok	1274252	764551-1783953

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ169-IC169	Q3163.D	04/09/07 13:30	DFT	40	GCMSQ	TO-15	
MSQ169-IC169	Q3164.D	04/09/07 14:12	DFT	20	GCMSQ	TO-15	
MSQ169-ICC169	Q3165.D	04/09/07 14:55	DFT	10	GCMSQ	TO-15	
MSQ169-IC169	Q3166.D	04/09/07 15:38	DFT	5	GCMSQ	TO-15	
MSQ169-IC169	Q3167.D	04/09/07 16:21	DFT	2	GCMSQ	TO-15	
MSQ169-IC169	Q3168.D	04/09/07 17:04	DFT	0.5	GCMSQ	TO-15	
MSQ169-IC169	Q3169.D	04/09/07 17:46	DFT	0.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
1,3-Butadiene	4.55	8.64	0.527	ok	0.527	0.467-0.587
Benzene	10.17	10.47	0.971	ok	0.970	0.910-1.030
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.72	1.049	ok	1.049	0.989-1.109
Bromomethane	4.85	8.64	0.561	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.72	1.217	ok	1.218	1.158-1.278
Carbon disulfide	6.86	8.64	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.77	14.72	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.64	0.580	ok	0.580	0.520-0.640
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.66	8.64	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.04	14.72	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.30	8.64	1.192	ok	1.193	1.133-1.253
Cyclohexane	10.42	10.47	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.68	8.64	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.44	8.64	0.745	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.62	14.72	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.64	1.097	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.94	10.47	1.045	ok	1.045	0.985-1.105
1,4-Dioxane	11.16	10.47	1.066	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.64	0.468	ok	0.467	0.407-0.527
Dibromochloromethane	13.36	14.72	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.64	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.64	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.98	10.47	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.96	14.72	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.42	14.72	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.03	14.72	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.47	10.47	1.191	ok	1.192	1.132-1.252
Ethylbenzene	15.15	14.72	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.64	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.72	1.171	ok	1.170	1.110-1.230
Freon 113	6.81	8.64	0.788	ok	0.788	0.728-0.848
Freon 114	4.29	8.64	0.497	ok	0.497	0.437-0.557
Heptane	11.42	10.47	1.091	ok	1.091	1.031-1.151
Hexane	8.68	8.64	1.005	ok	1.004	0.944-1.064
2-Hexanone	13.16	14.72	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.49	14.72	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.64	0.676	ok	0.675	0.615-0.735

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ169-IC169	Q3163.D	04/09/07 13:30	DFT	40	GCMSQ	TO-15	
MSQ169-IC169	Q3164.D	04/09/07 14:12	DFT	20	GCMSQ	TO-15	
MSQ169-ICC169	Q3165.D	04/09/07 14:55	DFT	10	GCMSQ	TO-15	
MSQ169-IC169	Q3166.D	04/09/07 15:38	DFT	5	GCMSQ	TO-15	
MSQ169-IC169	Q3167.D	04/09/07 16:21	DFT	2	GCMSQ	TO-15	
MSQ169-IC169	Q3168.D	04/09/07 17:04	DFT	0.5	GCMSQ	TO-15	
MSQ169-IC169	Q3169.D	04/09/07 17:46	DFT	0.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Methyl ethyl ketone	8.06	8.64	0.933	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	12.00	10.47	1.146	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.64	0.894	ok	0.893	0.833-0.953
Nonane	16.04	14.72	1.090	ok	1.090	1.030-1.150
Pentane	6.16	8.64	0.713	ok	0.712	0.652-0.772
Propylene	3.98	8.64	0.461	ok	0.459	0.399-0.519
Styrene	15.72	14.72	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.64	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.83	14.72	1.075	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trimethylbenzene	17.77	14.72	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.31	14.72	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.19	10.47	1.069	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.45	8.64	0.747	ok	0.745	0.685-0.805
Tetrachloroethylene	14.07	14.72	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.16	8.64	1.060	ok	1.059	0.999-1.119
Toluene	12.94	10.47	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.16	10.47	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.80	8.64	0.671	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.64	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	0.903	ok	0.903	0.843-0.963
m,p-Xylene	15.32	14.72	1.041	ok	1.042	0.982-1.102
o-Xylene	15.84	14.72	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.64	8.31-8.97	253682	ok	303348	182009-424687
1,4-Difluorobenzene	10.47	ok	10.47	10.14-10.80	1209330	ok	1442390	865434-2019346
Chlorobenzene-D5	14.72	ok	14.72	14.39-15.05	1045310	ok	1274252	764551-1783953

Volatile Surrogate Recovery Summary

Job Number: M63695
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
M63695-2	Q3180.D	86.0
M63694-2DUP	Q3179.D	87.0
MSQ169-BS	Q3171B.D	108.0
MSQ169-MB	Q3173.D	88.0

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	57-139%

Initial Calibration Summary

Job Number: M63695 **Sample:** MSQ169-ICC169
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3165.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q040907T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

Calibration Files
40 =Q3163.D 20 =Q3164.D 10 =Q3165.D
5 =Q3166.D 2 =Q3167.D .5 =Q3168.D .2 =Q3169.D

Compound	40	20	10	5	2	.5	.2	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	4.457	4.655	5.155	5.810	5.688	6.533	6.834	5.590	16.07
3)m PROPYLENE	0.615	0.676	0.748	0.830	0.739	0.837	0.873	0.760	12.32
4)m FREON 114	3.828	3.860	4.416	4.488	4.528	4.845	4.578	4.363	8.69
5)m CHLOROMETHANE	0.841	0.911	1.019	1.084	1.002	1.040	1.145	1.006	10.18
6)m VINYL CHLORIDE	1.021	1.103	1.236	1.297	1.172	1.317	1.003	1.164	10.88
7)m 1,3-BUTADIENE	0.869	0.862	1.044	0.937	0.993	1.028	1.025	0.965	7.91
8)m BROMOMETHANE	1.181	1.198	1.386	1.384	1.367	1.443	1.329	1.327	7.52
9)m CHLOROETHANE	0.470	0.437	0.535	0.435	0.557	0.481	0.452	0.481	9.91
10)m TRICHLOROFLUOROME	4.848	4.647	5.293	5.510	5.553	6.362	6.440	5.522	12.42
11)m ISOPROPYL ALCOHOL	1.757	1.745	1.938	1.686	2.496	2.791	3.666	2.297	32.07
----- Linear regression (equal Weighting)----- Coefficient = 0.9990									
Response Ratio = 0.07352 + 1.73693 *A									
12)m ACETONE	1.596	1.609	1.762	1.574	2.579	3.044	4.031	2.314	41.06
----- Linear regression (equal Weighting)----- Coefficient = 0.9990									
Response Ratio = 0.09729 + 1.57275 *A									
13)m PENTANE	0.968	0.952	1.124	1.121	1.191	1.392	1.595	1.192	19.36
14)m 1,1-DICHLOROETHYL	1.198	1.140	1.287	1.295	1.295	1.488	1.507	1.316	10.41
15)m CARBON DISULFIDE	3.438	3.310	3.612	3.830	3.711	3.807	3.748	3.637	5.39
16)m ETHANOL	0.260	0.274	0.301	0.279	0.474	0.526	0.298	0.345	31.38
----- Linear regression (equal Weighting)----- Coefficient = 0.9978									
Response Ratio = 0.02296 + 0.25657 *A									
17)m BROMOETHENE	1.189	1.171	1.360	1.331	1.310	1.432	1.410	1.315	7.71
18)m METHYLENE CHLORID	1.066	0.965	1.110	1.032	2.576	2.969	4.557	2.039	67.79
----- Quadratic regression ----- Coefficient = 0.9953									
Response Ratio = 0.16632 + 0.80619 *A + 0.05395 *A^2									
19)m 3-CHLOROPROPENE	1.196	1.030	1.154	1.041	1.267	1.326	1.159	1.168	9.33
20)m FREON 113	2.584	2.299	2.661	2.459	3.126	3.217	2.894	2.749	12.46
21)m TRANS-1,2-DICHLOR	1.151	0.963	1.305	1.213	1.178	1.072	1.105	1.141	9.56
22)m TERTIARY BUTYL AL	2.495	2.389	2.630	2.296	2.612	2.297	3.057	2.540	10.47
23)m METHYL TERTIARY B	2.641	2.541	3.123	2.669	2.629	2.426	2.263	2.613	10.21
24)m TETRAHYDROFURAN	0.805	0.771	0.829	0.720	0.803	0.731	0.596	0.751	10.52
25)m HEXANE	1.276	1.187	1.368	1.259	1.752	1.847	1.992	1.526	21.49
26)m VINYL ACETATE	1.935	1.858	2.146	1.801	1.999	1.770	1.785	1.899	7.23
27)m 1,1-DICHLOROETHAN	2.027	1.787	2.243	2.024	2.213	1.953	2.193	2.063	7.98
28)m METHYL ETHYL KETO	1.659	1.589	1.752	1.495	2.107	1.905	2.177	1.812	14.36
29)m cis-1,2-DICHLOROE	1.018	0.915	1.028	0.906	1.011	0.937	0.976	0.970	5.27
30)m ETHYL ACETATE	2.727	2.555	2.818	2.433	3.322	3.276	3.208	2.905	12.47
31)m CHLOROFORM	2.915	2.608	2.924	2.581	3.335	3.222	3.456	3.006	11.45
32)m 1,1,1-TRICHLOROET	3.229	2.796	3.091	2.760	3.392	3.473	3.537	3.183	9.86
33)m CARBON TETRACHLOR	4.047	3.522	3.890	3.541	3.898	3.942	4.154	3.856	6.23
34)m 1,2-DICHLOROETHAN	2.044	1.808	1.887	1.806	2.141	2.147	2.220	2.008	8.60

Initial Calibration Summary

Job Number: M63695 **Sample:** MSQ169-ICC169
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3165.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
35) I   1,4-DIFLUOROBENZENE   ----------------ISTD--------------------
36)m BENZENE           0.597 0.505 0.555 0.494 0.600 0.550 0.601 0.557   8.04
37)m CYCLOHEXANE       0.246 0.223 0.260 0.237 0.240 0.216 0.213 0.234   7.35
38)m TRICHLOROETHYLENE 0.358 0.313 0.347 0.300 0.361 0.329 0.334 0.335   6.77
39)m 1,2-DICHLOROPROPA 0.201 0.183 0.201 0.179 0.203 0.202 0.215 0.198   6.28
40)m BROMODICHLOROMETH 0.624 0.535 0.581 0.507 0.610 0.550 0.580 0.569   7.29
41)m 2,2,4-TRIMETHYLPE 0.986 0.836 0.954 0.794 1.027 0.877 0.815 0.899  10.08
42)m 1,4-DIOXANE       0.086 0.075 0.081 0.065 0.113 0.095 0.060 0.082  21.88
43)m HEPTANE           0.341 0.296 0.345 0.284 0.347 0.292 0.277 0.312  10.01
44)m METHYL ISOBUTYL K 0.461 0.408 0.445 0.358 0.456 0.338 0.363 0.404  12.68
45)m cis-1,3-DICHLOROP 0.366 0.322 0.331 0.282 0.300 0.263 0.284 0.307  11.47
46)m TOLUENE           0.419 0.371 0.393 0.337 0.370 0.306 0.394 0.370  10.26
47)m trans-1,3-DICHLOR 0.285 0.255 0.255 0.212 0.228 0.199 0.235 0.238  12.15
48)m 1,1,2-TRICHLOROET 0.227 0.206 0.221 0.193 0.220 0.215 0.241 0.217   6.97

49) I   CHLOROBENZENE-D5      ----------------ISTD--------------------
50)m 2-HEXANONE        0.339 0.293 0.332 0.258 0.472 0.348 0.336 0.340  19.54
51)m TETRACHLOROETHYLE 0.424 0.351 0.397 0.335 0.392 0.393 0.363 0.380   8.13
52)m DIBROMOCHLOROMETH 0.692 0.570 0.629 0.546 0.613 0.546 0.569 0.595   8.92
53)m 1,2-DIBROMOETHANE 0.451 0.404 0.433 0.396 0.457 0.443 0.499 0.440   7.84
54)m CHLOROBENZENE     0.640 0.562 0.630 0.560 0.621 0.567 0.697 0.611   8.33
55)m ETHYLBENZENE      1.124 0.983 1.100 0.935 0.937 0.781 0.876 0.962  12.54
56)m m,p-XYLENE        0.405 0.354 0.396 0.342 0.338 0.302 0.286 0.346  12.74
57)m o-XYLENE          0.419 0.368 0.408 0.340 0.369 0.302 0.329 0.362  11.62
58)m STYRENE           0.541 0.478 0.514 0.424 0.398 0.326 0.333 0.431  19.67
59)m NONANE            0.564 0.482 0.553 0.467 0.530 0.408 0.412 0.488  13.07
60)m BROMOFORM         0.697 0.582 0.619 0.504 0.514 0.451 0.471 0.548  16.14
61)S 4-BROMOFLUOROBENZ 0.887 0.850 0.817 0.806 0.784 0.748 0.727 0.803   6.94
62)m 1,1,2,2-TETRACHLO 0.711 0.619 0.681 0.581 0.655 0.584 0.619 0.636   7.69
63)m ISOPROPYLBENZENE  1.323 1.156 1.292 1.090 1.150 0.991 1.076 1.154  10.30
64)m 2-CHLOROTOLUENE   0.973 0.856 0.949 0.803 0.834 0.676 0.739 0.833  12.75
65)m 4-ETHYLTOLUENE    1.088 0.938 1.031 0.841 0.807 0.673 0.709 0.870  18.04
66)m 1,3,5-TRIMETHYLBE 1.108 0.969 1.093 0.888 0.936 0.737 0.744 0.925  16.11
67)m 1,2,4-TRIMETHYLBE 0.984 0.853 0.939 0.769 0.842 0.601 0.634 0.803  18.01
68)m m-DICHLOROBENZENE 0.579 0.496 0.532 0.462 0.483 0.411 0.444 0.487  11.48
69)m BENZYL CHLORIDE   0.566 0.469 0.461 0.351 0.360 0.252 0.270 0.390  29.30
70)m p-DICHLOROBENZENE 0.506 0.441 0.476 0.417 0.413 0.331 0.416 0.429  12.93
71)m o-DICHLOROBENZENE 0.580 0.501 0.543 0.465 0.509 0.456 0.427 0.497  10.65
72)m HEXACHLOROBUTADIE 0.300 0.294 0.372 0.323 0.798 0.806 0.973 0.552  53.15
         ----- Quadratic regression -----  Coefficient =  0.9924
              Response Ratio = 0.04476 + 0.28433 *A + 0.00092 *A^2

73)m 1,2,4-TRICHLOROBE 0.095 0.088 0.098 0.080 0.222 0.227 0.233 0.149  49.43
         ----- Quadratic regression -----  Coefficient =  0.9948
              Response Ratio = 0.01117 + 0.07548 *A + 0.00419 *A^2

74)  Naphthalene                                                0.000  -1.00
---------------------------------------------------------------------------
(#) = Out of Range

          Q040907T.m        Tue Apr 10 11:46:31 2007   RPT1
```

Continuing Calibration Summary

Job Number: M63695 **Sample:** MSQ169-CC169
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3171A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\Q3171a.D                    Vial: 10
Acq On    : 10 Apr 2007  10:16 am                    Operator: DANAT
Sample    : cc169-10 (M119)                          Inst    : MAMSQ
Misc      : MS13316,MSQ169,,,,,1                     Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\msdchem\1\METHODS\Q040907T.m (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Mon Apr 09 18:20:59 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :   1%  Max. R.T. Dev  0.33min
Max. RRF Dev :  30%     Max. Rel. Area : 141%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	107	0.00	8.44- 8.85
2	m	DICHLORODIFLUOROMETHAN	5.590	5.129	8.2	107	0.00	3.83- 4.24
3	m	PROPYLENE	0.760	0.674	11.3	97	0.00	3.75- 4.16
4	m	FREON 114	4.363	4.450	-2.0	108	0.00	4.09- 4.50
5	m	CHLOROMETHANE	1.006	0.982	2.4	103	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.164	1.181	-1.5	103	0.00	4.22- 4.63
7	m	1,3-BUTADIENE	0.965	1.063	-10.2	109	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.327	1.328	-0.1	103	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.481	0.525	-9.1	105	0.00	4.81- 5.22
10	m	TRICHLOROFLUOROMETHANE	5.522	5.426	1.7	110	0.00	5.59- 6.00
		----------	True	Calc.	% Drift		----------	
11	m	ISOPROPYL ALCOHOL	10.000	8.690	13.1	88	0.00	5.59- 6.06
12	m	ACETONE	10.000	9.800	2.0	100	0.00	5.40- 5.81
		----------	AvgRF	CCRF	% Dev		----------	
13	m	PENTANE	1.192	1.061	11.0	101	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	1.316	1.334	-1.4	111	0.00	6.22- 6.64
15	m	CARBON DISULFIDE	3.637	3.764	-3.5	112	0.00	6.66- 7.07
		----------	True	Calc.	% Drift		----------	
16	m	ETHANOL	10.000	9.268	7.3	93	0.00	4.86- 5.33
		----------	AvgRF	CCRF	% Dev		----------	
17	m	BROMOETHENE	1.315	1.340	-1.9	106	0.00	5.16- 5.58
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	11.209	-12.1	110	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	1.168	1.206	-3.3	112	0.00	6.46- 6.87
20	m	FREON 113	2.749	2.662	3.2	107	0.00	6.60- 7.01
21	m	TRANS-1,2-DICHLOROETHY	1.141	1.312	-15.0	108	0.00	7.27- 7.68
22	m	TERTIARY BUTYL ALCOHOL	2.540	2.253	11.3	92	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	2.613	2.759	-5.6	95	0.00	7.51- 7.92
24	m	TETRAHYDROFURAN	0.751	0.720	4.1	93	0.00	9.00- 9.29
25	m	HEXANE	1.526	1.235	19.1	97	0.00	8.47- 8.89
26	m	VINYL ACETATE	1.899	2.063	-8.6	103	0.00	7.62- 7.97
27	m	1,1-DICHLOROETHANE	2.063	2.356	-14.2	113	0.00	7.46- 7.87
28	m	METHYL ETHYL KETONE	1.812	1.613	11.0	99	0.00	7.80- 8.28
29	m	cis-1,2-DICHLOROETHYLE	0.970	0.956	1.4	100	0.00	8.27- 8.69
30	m	ETHYL ACETATE	2.905	2.623	9.7	100	0.00	8.46- 8.88

Continuing Calibration Summary

Job Number: M63695 **Sample:** MSQ169-CC169
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3171A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

31	m	CHLOROFORM	3.006	2.850	5.2	105	0.00	8.56- 8.97
32	m	1,1,1-TRICHLOROETHANE	3.183	3.072	3.5	107	0.00	9.51- 9.92
33	m	CARBON TETRACHLORIDE	3.856	3.731	3.2	103	0.00	10.09-10.51
34	m	1,2-DICHLOROETHANE	2.008	1.873	6.7	106	0.00	9.27- 9.68
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	106	0.00	10.27-10.68
36	m	BENZENE	0.557	0.517	7.2	98	0.00	9.96-10.37
37	m	CYCLOHEXANE	0.234	0.236	-0.9	96	0.00	10.22-10.63
38	m	TRICHLOROETHYLENE	0.335	0.331	1.2	101	0.00	11.00-11.31
39	m	1,2-DICHLOROPROPANE	0.198	0.181	8.6	95	0.00	10.73-11.14
40	m	BROMODICHLOROMETHANE	0.569	0.588	-3.3	107	0.00	10.96-11.27
41	m	2,2,4-TRIMETHYLPENTANE	0.899	0.905	-0.7	100	0.00	10.97-11.39
42	m	1,4-DIOXANE	0.082	0.099	-20.7	129	0.00	10.88-11.41
43	m	HEPTANE	0.312	0.334	-7.1	102	0.00	11.26-11.57
44	m	METHYL ISOBUTYL KETONE	0.404	0.420	-4.0	100	0.00	11.77-12.21
45	m	cis-1,3-DICHLOROPROPEN	0.307	0.296	3.6	94	0.00	11.77-12.18
46	m	TOLUENE	0.370	0.342	7.6	92	0.00	12.73-13.15
47	m	trans-1,3-DICHLOROPROP	0.238	0.288	-21.0	119	0.00	12.32-12.63
48	m	1,1,2-TRICHLOROETHANE	0.217	0.190	12.4	91	0.00	12.48-12.84
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	103	0.00	14.57-14.88
50	m	2-HEXANONE	0.340	0.418	-22.9	130	0.00	12.96-13.36
51	m	TETRACHLOROETHYLENE	0.380	0.365	3.9	95	0.00	13.87-14.28
52	m	DIBROMOCHLOROMETHANE	0.595	0.607	-2.0	100	0.00	13.18-13.55
53	m	1,2-DIBROMOETHANE	0.440	0.408	7.3	98	0.00	13.46-13.77
54	m	CHLOROBENZENE	0.611	0.566	7.4	93	0.00	14.61-14.92
55	m	ETHYLBENZENE	0.962	0.956	0.6	90	0.00	14.97-15.33
56	m	m,p-XYLENE	0.346	0.347	-0.3	91	0.00	15.16-15.52
57	m	o-XYLENE	0.362	0.351	3.0	89	0.00	15.66-16.02
58	m	STYRENE	0.431	0.485	-12.5	98	0.00	15.57-15.88
59	m	NONANE	0.488	0.537	-10.0	100	0.00	15.89-16.20
60	m	BROMOFORM	0.548	0.555	-1.3	93	0.00	15.29-15.60
61	S	4-BROMOFLUOROBENZENE	0.803	0.864	-7.6	109	0.00	16.19-16.50
62	m	1,1,2,2-TETRACHLOROETH	0.636	0.567	10.8	86	0.00	15.67-15.98
63	m	ISOPROPYLBENZENE	1.154	1.091	5.5	87	0.00	16.33-16.64
64	m	2-CHLOROTOLUENE	0.833	0.840	-0.8	92	0.00	16.83-17.24
65	m	4-ETHYLTOLUENE	0.870	1.014	-16.6	102	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	0.925	0.966	-4.4	91	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	0.803	0.933	-16.2	103	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	0.487	0.523	-7.4	102	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	0.390	0.529	-35.6#	119	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	0.429	0.509	-18.6	110	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	0.497	0.515	-3.6	98	0.00	18.26-18.57
		----------	True	Calc.	% Drift		----------	
72	m	HEXACHLOROBUTADIENE	10.000	13.838	-38.4#	122	0.00	20.61-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	23.603	-136.0#	225	0.00	20.12-20.53
		----------	AvgRF	CCRF	% Dev		----------	
74		Naphthalene	0.000	0.000	0.0	0#	-0.03	19.95-20.95

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3165.D Q040907T.m Wed Apr 11 09:36:59 2007 RPT1

Initial Calibration Verification

Job Number: M63695 **Sample:** MSQ169-ICV169
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3171.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\Q3171.D                    Vial: 10
Acq On    : 10 Apr 2007  10:16 am                    Operator: DANAT
Sample    : icv169-10 (M119)                         Inst    : MAMSQ
Misc      : MS13316,MSQ169,,,,,1                     Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\msdchem\1\METHODS\Q040907T.m (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Mon Apr 09 18:20:59 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :   1%  Max. R.T. Dev  0.33min
Max. RRF Dev :  30%     Max. Rel. Area : 141%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	107	0.00	8.44- 8.85
2	m	DICHLORODIFLUOROMETHAN	5.590	5.129	8.2	107	0.00	3.83- 4.24
3	m	PROPYLENE	0.760	0.674	11.3	97	0.00	3.75- 4.16
4	m	FREON 114	4.363	4.450	-2.0	108	0.00	4.09- 4.50
5	m	CHLOROMETHANE	1.006	0.982	2.4	103	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.164	1.181	-1.5	103	0.00	4.22- 4.63
7	m	1,3-BUTADIENE	0.965	1.063	-10.2	109	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.327	1.328	-0.1	103	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.481	0.525	-9.1	105	0.00	4.81- 5.22
10	m	TRICHLOROFLUOROMETHANE	5.522	5.426	1.7	110	0.00	5.59- 6.00
		----------	True	Calc.	% Drift		----------	
11	m	ISOPROPYL ALCOHOL	10.000	8.690	13.1	88	0.00	5.59- 6.06
12	m	ACETONE	10.000	9.800	2.0	100	0.00	5.40- 5.81
		----------	AvgRF	CCRF	% Dev		----------	
13	m	PENTANE	1.192	1.061	11.0	101	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	1.316	1.334	-1.4	111	0.00	6.22- 6.64
15	m	CARBON DISULFIDE	3.637	3.764	-3.5	112	0.00	6.66- 7.07
		----------	True	Calc.	% Drift		----------	
16	m	ETHANOL	10.000	9.268	7.3	93	0.00	4.86- 5.33
		----------	AvgRF	CCRF	% Dev		----------	
17	m	BROMOETHENE	1.315	1.340	-1.9	106	0.00	5.16- 5.58
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	11.209	-12.1	110	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	1.168	1.206	-3.3	112	0.00	6.46- 6.87
20	m	FREON 113	2.749	2.662	3.2	107	0.00	6.60- 7.01
21	m	TRANS-1,2-DICHLOROETHY	1.141	1.312	-15.0	108	0.00	7.27- 7.68
22	m	TERTIARY BUTYL ALCOHOL	2.540	2.253	11.3	92	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	2.613	2.759	-5.6	95	0.00	7.51- 7.92
24	m	TETRAHYDROFURAN	0.751	0.720	4.1	93	0.00	9.00- 9.29
25	m	HEXANE	1.526	1.235	19.1	97	0.00	8.47- 8.89
26	m	VINYL ACETATE	1.899	2.063	-8.6	103	0.00	7.62- 7.97
27	m	1,1-DICHLOROETHANE	2.063	2.356	-14.2	113	0.00	7.46- 7.87
28	m	METHYL ETHYL KETONE	1.812	1.613	11.0	99	0.00	7.80- 8.28
29	m	cis-1,2-DICHLOROETHYLE	0.970	0.956	1.4	100	0.00	8.27- 8.69
30	m	ETHYL ACETATE	2.905	2.623	9.7	100	0.00	8.46- 8.88

Initial Calibration Verification

Job Number: M63695 **Sample:** MSQ169-ICV169
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3171.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

31	m	CHLOROFORM	3.006	2.850	5.2	105	0.00	8.56- 8.97
32	m	1,1,1-TRICHLOROETHANE	3.183	3.072	3.5	107	0.00	9.51- 9.92
33	m	CARBON TETRACHLORIDE	3.856	3.731	3.2	103	0.00	10.09-10.51
34	m	1,2-DICHLOROETHANE	2.008	1.873	6.7	106	0.00	9.27- 9.68
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	106	0.00	10.27-10.68
36	m	BENZENE	0.557	0.517	7.2	98	0.00	9.96-10.37
37	m	CYCLOHEXANE	0.234	0.236	-0.9	96	0.00	10.22-10.63
38	m	TRICHLOROETHYLENE	0.335	0.331	1.2	101	0.00	11.00-11.31
39	m	1,2-DICHLOROPROPANE	0.198	0.181	8.6	95	0.00	10.73-11.14
40	m	BROMODICHLOROMETHANE	0.569	0.588	-3.3	107	0.00	10.96-11.27
41	m	2,2,4-TRIMETHYLPENTANE	0.899	0.905	-0.7	100	0.00	10.97-11.39
42	m	1,4-DIOXANE	0.082	0.099	-20.7	129	0.00	10.88-11.41
43	m	HEPTANE	0.312	0.334	-7.1	102	0.00	11.26-11.57
44	m	METHYL ISOBUTYL KETONE	0.404	0.420	-4.0	100	0.00	11.77-12.21
45	m	cis-1,3-DICHLOROPROPEN	0.307	0.296	3.6	94	0.00	11.77-12.18
46	m	TOLUENE	0.370	0.342	7.6	92	0.00	12.73-13.15
47	m	trans-1,3-DICHLOROPROP	0.238	0.288	-21.0	119	0.00	12.32-12.63
48	m	1,1,2-TRICHLOROETHANE	0.217	0.190	12.4	91	0.00	12.48-12.84
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	103	0.00	14.57-14.88
50	m	2-HEXANONE	0.340	0.418	-22.9	130	0.00	12.96-13.36
51	m	TETRACHLOROETHYLENE	0.380	0.365	3.9	95	0.00	13.87-14.28
52	m	DIBROMOCHLOROMETHANE	0.595	0.607	-2.0	100	0.00	13.18-13.55
53	m	1,2-DIBROMOETHANE	0.440	0.408	7.3	98	0.00	13.46-13.77
54	m	CHLOROBENZENE	0.611	0.566	7.4	93	0.00	14.61-14.92
55	m	ETHYLBENZENE	0.962	0.956	0.6	90	0.00	14.97-15.33
56	m	m,p-XYLENE	0.346	0.347	-0.3	91	0.00	15.16-15.52
57	m	o-XYLENE	0.362	0.351	3.0	89	0.00	15.66-16.02
58	m	STYRENE	0.431	0.485	-12.5	98	0.00	15.57-15.88
59	m	NONANE	0.488	0.537	-10.0	100	0.00	15.89-16.20
60	m	BROMOFORM	0.548	0.555	-1.3	93	0.00	15.29-15.60
61	S	4-BROMOFLUOROBENZENE	0.803	0.864	-7.6	109	0.00	16.19-16.50
62	m	1,1,2,2-TETRACHLOROETH	0.636	0.567	10.8	86	0.00	15.67-15.98
63	m	ISOPROPYLBENZENE	1.154	1.091	5.5	87	0.00	16.33-16.64
64	m	2-CHLOROTOLUENE	0.833	0.840	-0.8	92	0.00	16.83-17.24
65	m	4-ETHYLTOLUENE	0.870	1.014	-16.6	102	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	0.925	0.966	-4.4	91	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	0.803	0.933	-16.2	103	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	0.487	0.523	-7.4	102	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	0.390	0.529	-35.6#	119	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	0.429	0.509	-18.6	110	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	0.497	0.515	-3.6	98	0.00	18.26-18.57
			True	Calc.	% Drift			
72	m	HEXACHLOROBUTADIENE	10.000	13.838	-38.4#	122	0.00	20.61-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	23.603	-136.0#	225	0.00	20.12-20.53
			AvgRF	CCRF	% Dev			
74		Naphthalene	0.000	0.000	0.0	0#	-0.03	19.95-20.95

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3165.D Q040907T.m Tue Apr 10 11:46:05 2007 RPT1

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3180.D
Acq On : 10 Apr 2007 4:48 pm
Operator : DANAT
Sample : m63695-2 (M143)
Misc : MS13343,MSQ169,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 08:56:59 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.642	128	261191	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	1236534	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	1031810	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	354935	4.29	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 85.80%

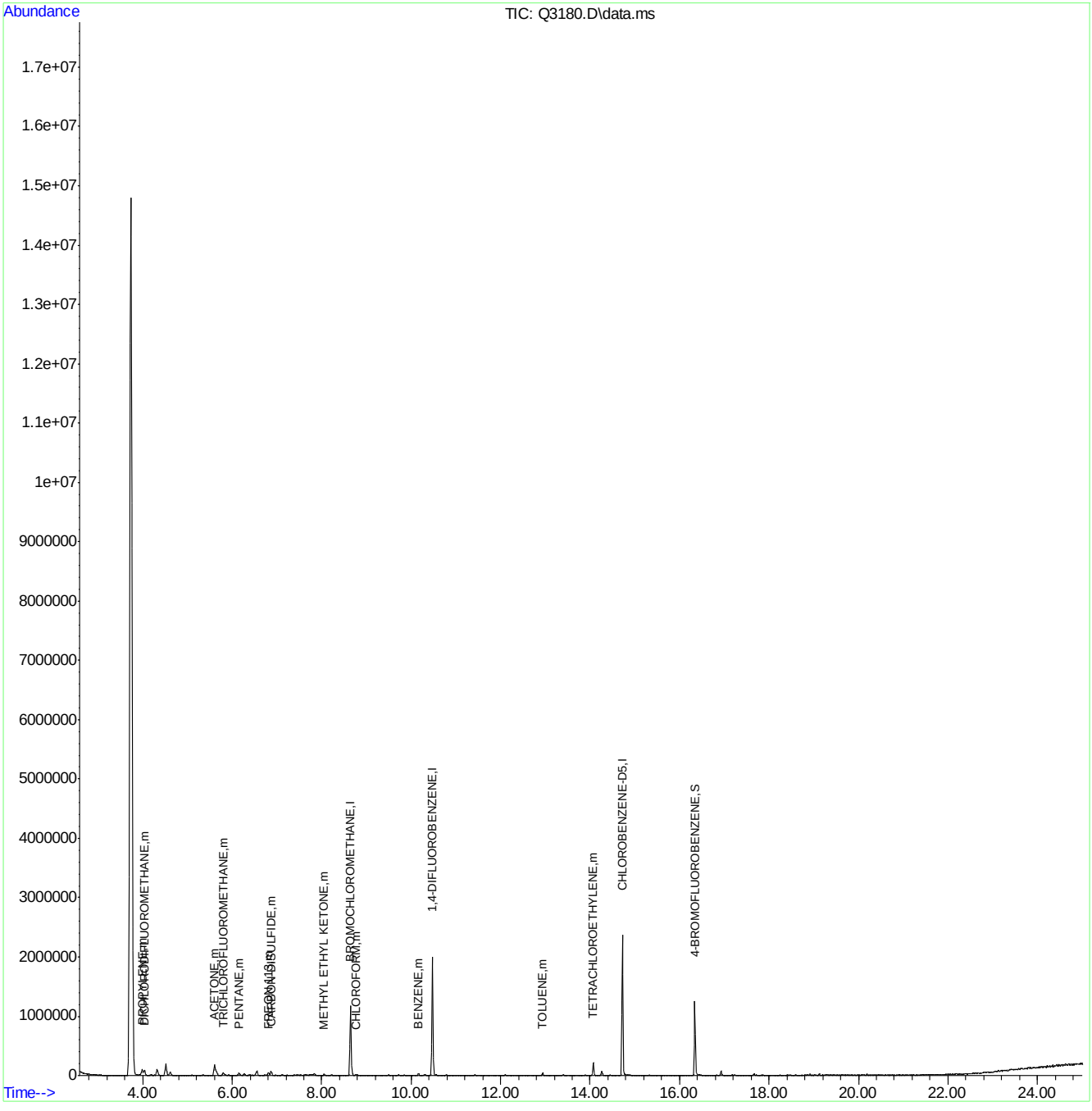
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.039	85	86901	0.60	PPBV	97
3) PROPYLENE	3.980	41	38279	1.93	PPBV #	75
10) TRICHLOROFLUOROMETHANE	5.794	101	43466	0.30	PPBV	98
12) ACETONE	5.600	43	298677	6.65	PPBV	97
13) PENTANE	6.156	42	17449	0.56	PPBV #	50
15) CARBON DISULFIDE	6.866	76	108917	1.15	PPBV	90
20) FREON 113	6.809	151	13671	0.19	PPBV	87
28) METHYL ETHYL KETONE	8.050	43	28990	0.61	PPBV	81
31) CHLOROFORM	8.767	83	10251	0.13	PPBV	93
36) BENZENE	10.169	78	25427	0.37	PPBV	97
46) TOLUENE	12.939	92	14346	0.31	PPBV	99
51) TETRACHLOROETHYLENE	14.071	164	37661	0.96	PPBV	98

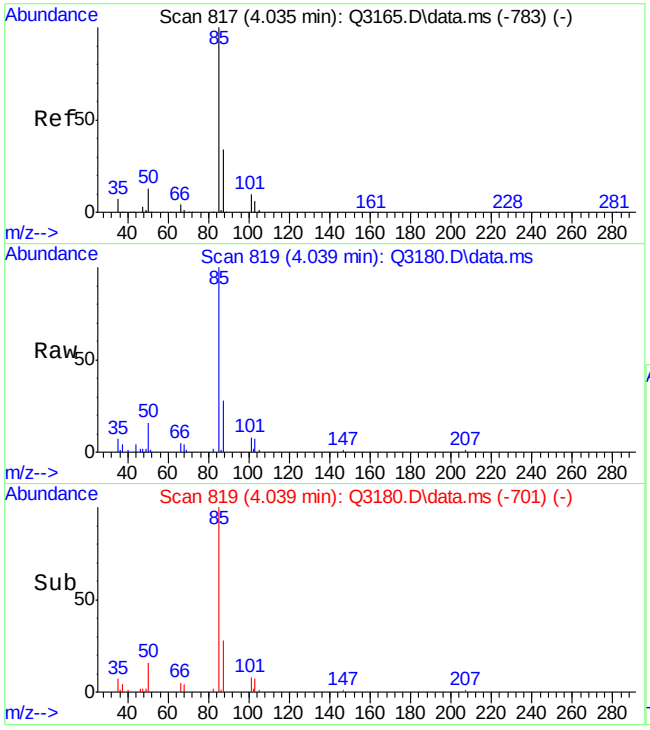
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3180.D
Acq On : 10 Apr 2007 4:48 pm
Operator : DANAT
Sample : m63695-2 (M143)
Misc : MS13343,MSQ169,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 08:56:59 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

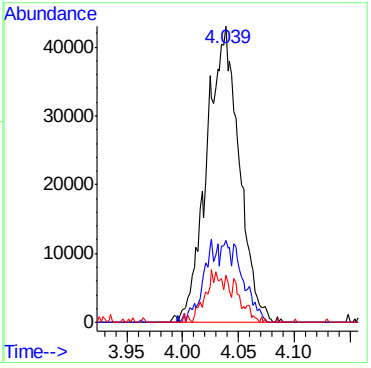


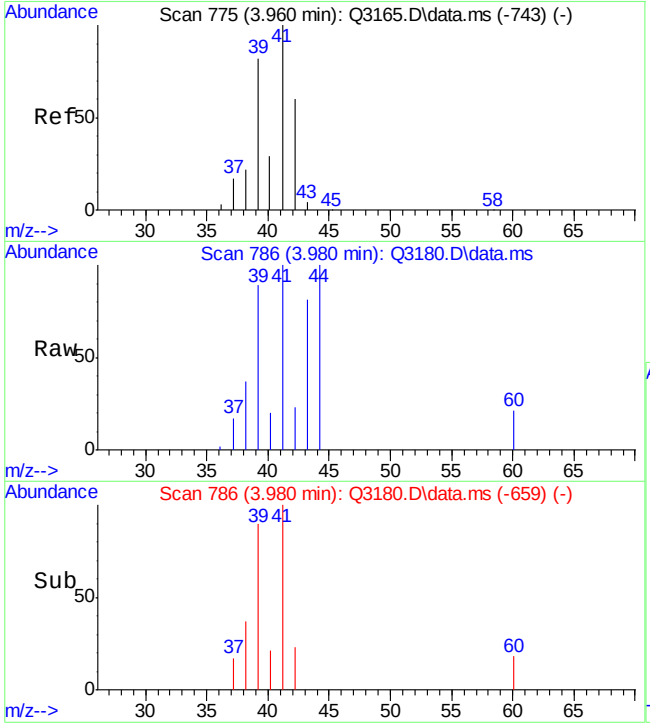


#2
DICHLORODIFLUOROMETHANE
Concen: 0.60 PPBV
RT: 4.039 min Scan# 819
Delta R.T. 0.004 min
Lab File: Q3180.D
Acq: 10 Apr 2007 4:48 pm

Tgt Ion: 85 Resp: 86901

Ion	Ratio	Lower	Upper
85	100		
87	31.2	12.7	52.7
50	15.8	0.0	33.6

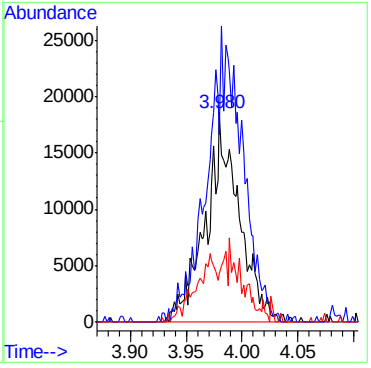


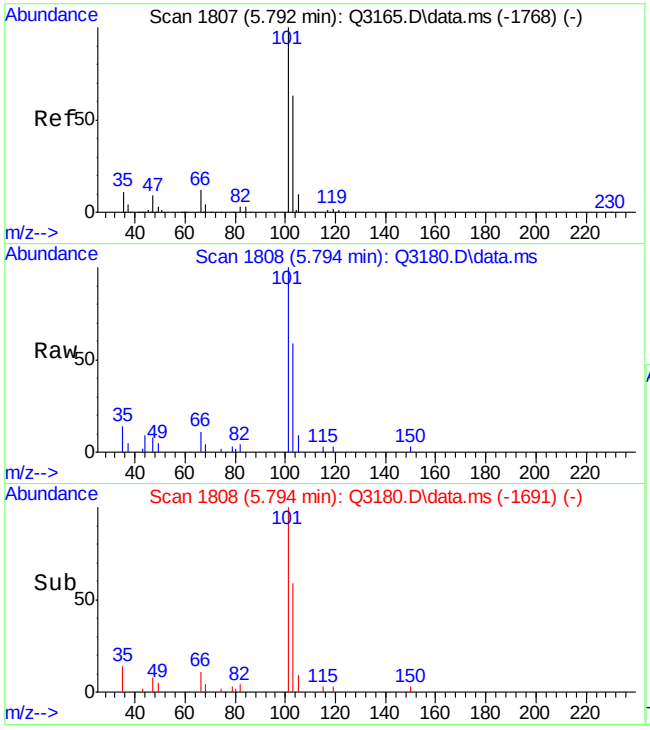


#3
PROPYLENE
Concen: 1.93 PPBV
RT: 3.980 min Scan# 786
Delta R.T. 0.020 min
Lab File: Q3180.D
Acq: 10 Apr 2007 4:48 pm

Tgt Ion: 41 Resp: 38279

Ion	Ratio	Lower	Upper
41	100		
39	89.6	62.4	102.4
42	22.9	40.1	80.1#

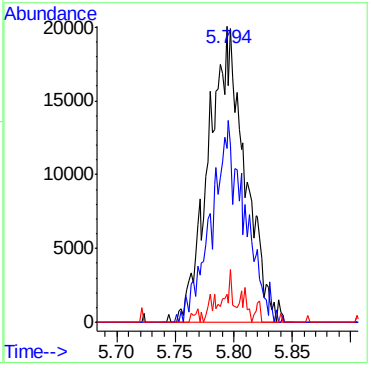


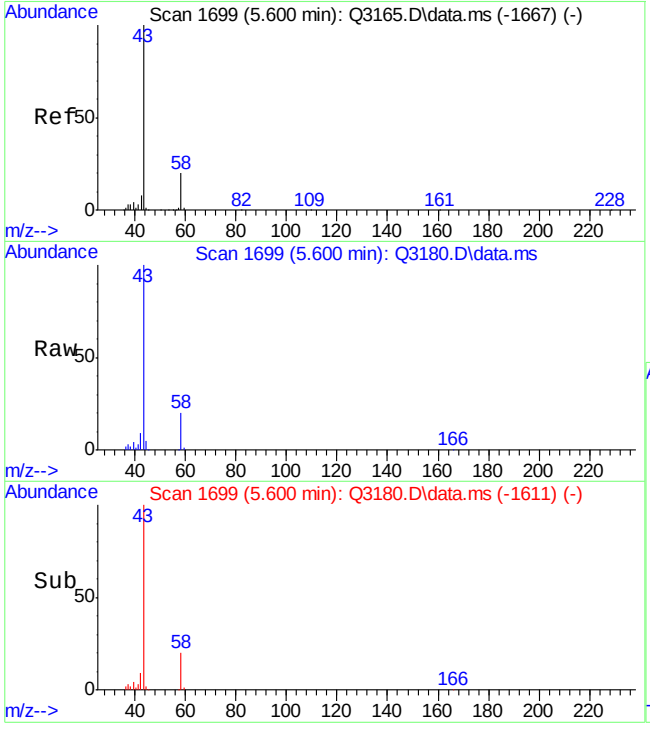


#10
TRICHLOROFLUOROMETHANE
Concen: 0.30 PPBV
RT: 5.794 min Scan# 1808
Delta R.T. 0.002 min
Lab File: Q3180.D
Acq: 10 Apr 2007 4:48 pm

Tgt Ion:101 Resp: 43466

Ion	Ratio	Lower	Upper
101	100		
103	63.2	44.5	84.5
105	9.4	0.0	30.4

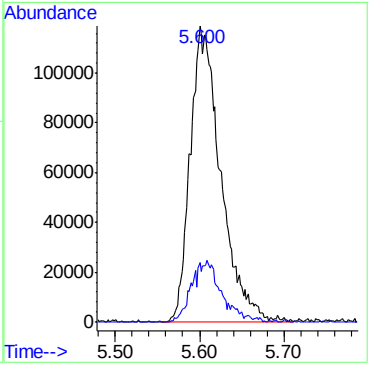


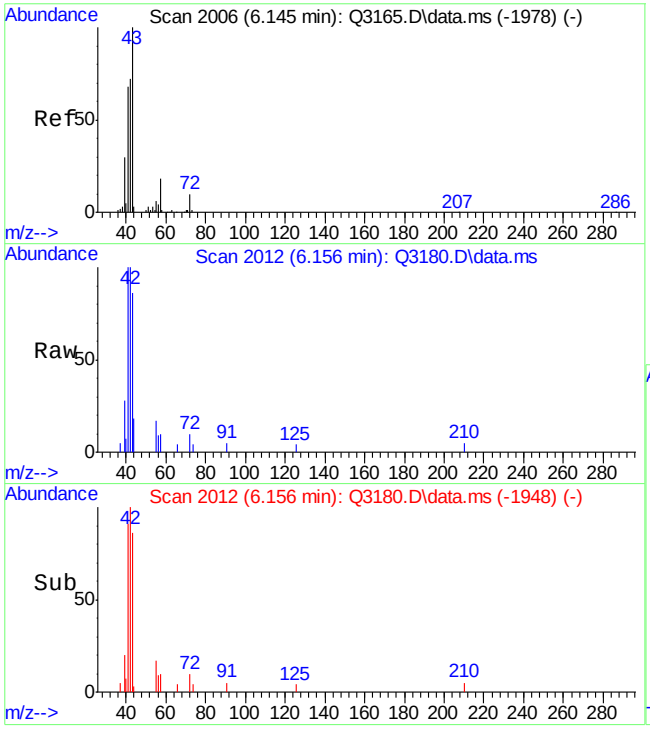


#12
ACETONE
Concen: 6.65 PPBV
RT: 5.600 min Scan# 1699
Delta R.T. 0.000 min
Lab File: Q3180.D
Acq: 10 Apr 2007 4:48 pm

Tgt Ion: 43 Resp: 298677

Ion	Ratio	Lower	Upper
43	100		
58	20.2	1.6	41.6

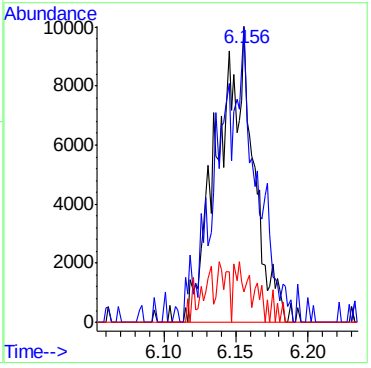


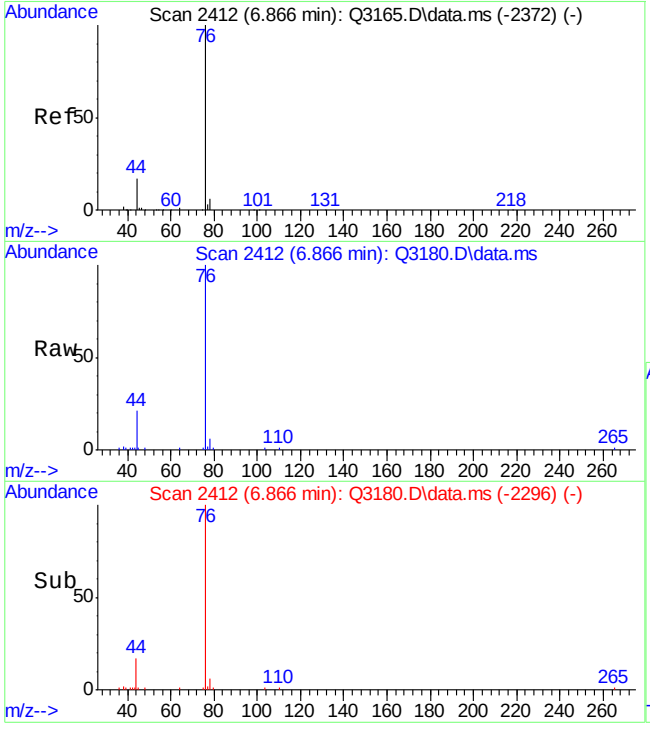


#13
PENTANE
Concen: 0.56 PPBV
RT: 6.156 min Scan# 2012
Delta R.T. 0.011 min
Lab File: Q3180.D
Acq: 10 Apr 2007 4:48 pm

Tgt Ion: 42 Resp: 17449

Ion	Ratio	Lower	Upper
42	100		
41	46.4	83.7	123.7#
57	11.6	5.0	45.0

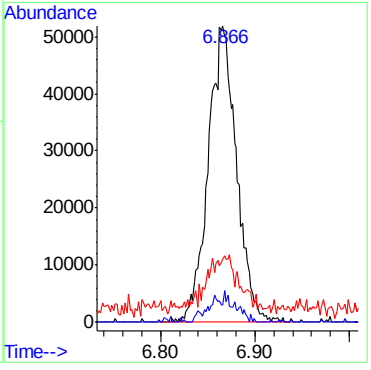


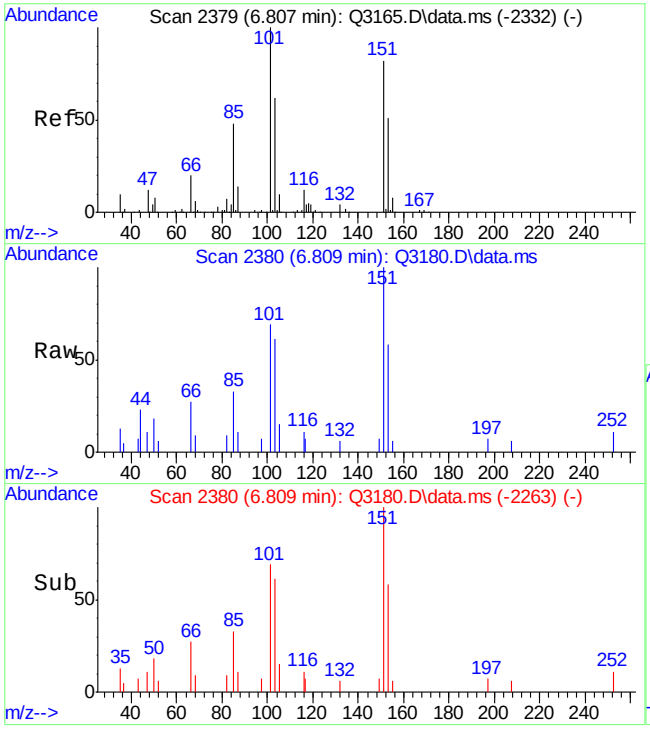


#15
CARBON DISULFIDE
Concen: 1.15 PPBV
RT: 6.866 min Scan# 2412
Delta R.T. 0.000 min
Lab File: Q3180.D
Acq: 10 Apr 2007 4:48 pm

Tgt Ion: 76 Resp: 108917

Ion	Ratio	Lower	Upper
76	100		
78	8.6	0.0	29.4
44	24.4	0.0	38.4

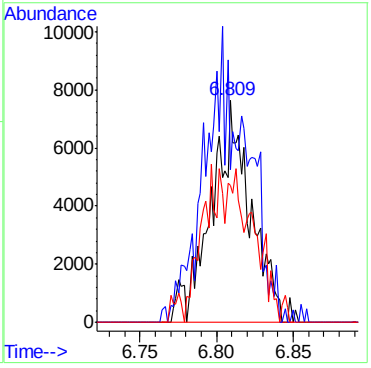


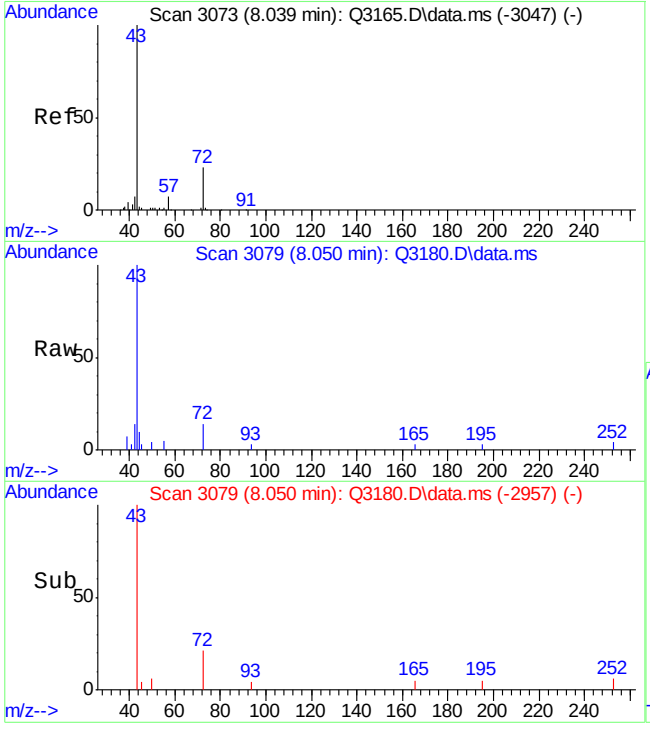


#20
FREON 113
Concen: 0.19 PPBV
RT: 6.809 min Scan# 2380
Delta R.T. 0.002 min
Lab File: Q3180.D
Acq: 10 Apr 2007 4:48 pm

Tgt Ion:151 Resp: 13671

Ion	Ratio	Lower	Upper
151	100		
101	138.9	102.1	142.1
103	88.3	59.0	99.0

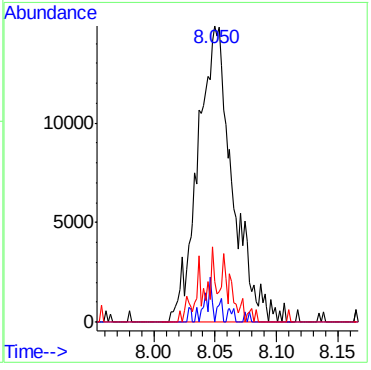


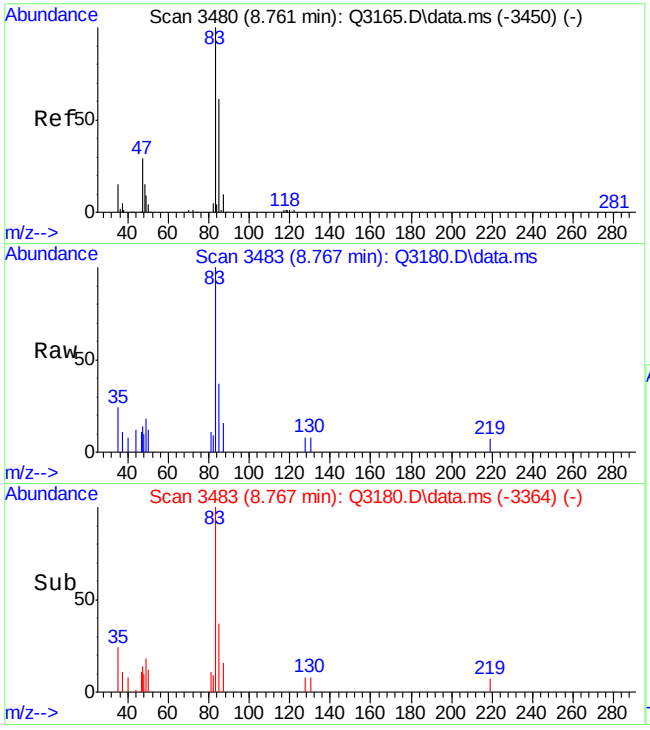


#28
METHYL ETHYL KETONE
Concen: 0.61 PPBV
RT: 8.050 min Scan# 3079
Delta R.T. 0.011 min
Lab File: Q3180.D
Acq: 10 Apr 2007 4:48 pm

Tgt Ion: 43 Resp: 28990

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	26.5
72	13.7	2.7	42.7

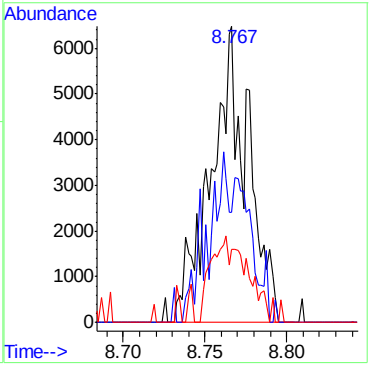


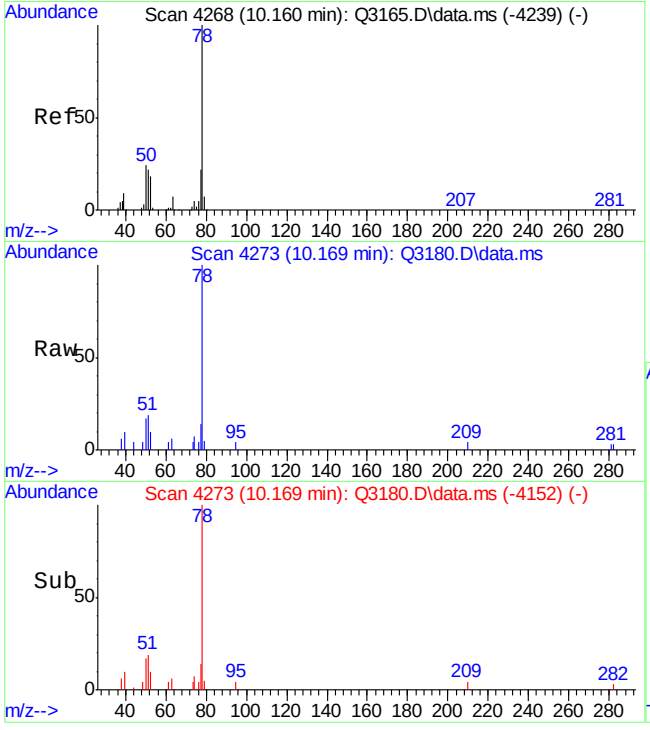


#31
CHLOROFORM
Concen: 0.13 PPBV
RT: 8.767 min Scan# 3483
Delta R.T. 0.005 min
Lab File: Q3180.D
Acq: 10 Apr 2007 4:48 pm

Tgt Ion: 83 Resp: 10251

Ion	Ratio	Lower	Upper
83	100		
85	59.8	45.0	85.0
47	32.4	8.6	48.6

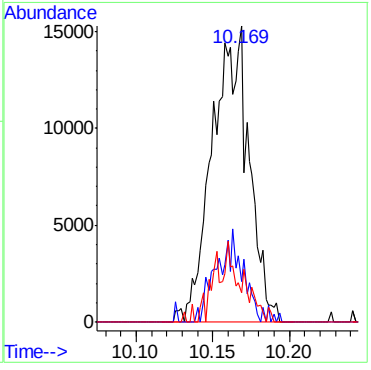


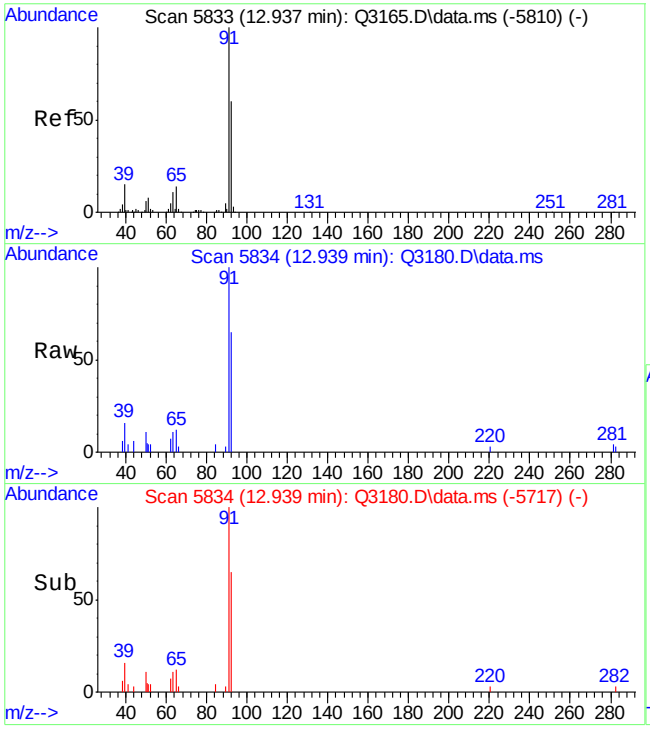


#36
BENZENE
Concen: 0.37 PPBV
RT: 10.169 min Scan# 4273
Delta R.T. 0.009 min
Lab File: Q3180.D
Acq: 10 Apr 2007 4:48 pm

Tgt Ion: 78 Resp: 25427

Ion	Ratio	Lower	Upper
78	100		
77	22.9	3.2	43.2
52	19.8	0.0	37.3

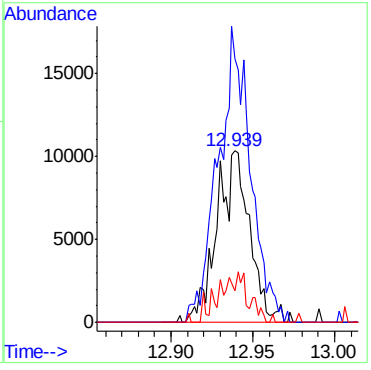


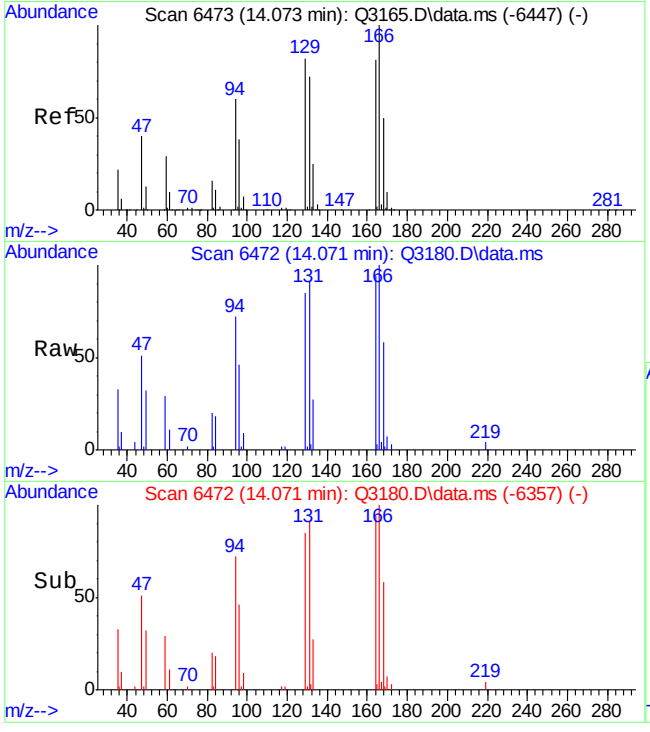


#46
TOLUENE
Concen: 0.31 PPBV
RT: 12.939 min Scan# 5834
Delta R.T. 0.002 min
Lab File: Q3180.D
Acq: 10 Apr 2007 4:48 pm

Tgt Ion: 92 Resp: 14346

Ion	Ratio	Lower	Upper
92	100		
91	170.3	150.3	190.3
65	26.6	4.0	44.0

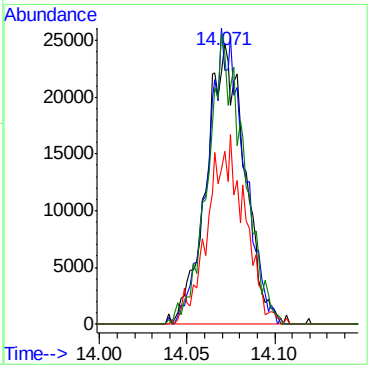




#51
TETRACHLOROETHYLENE
Concen: 0.96 PPBV
RT: 14.071 min Scan# 6472
Delta R.T. -0.002 min
Lab File: Q3180.D
Acq: 10 Apr 2007 4:48 pm

Tgt Ion:164 Resp: 37661

Ion	Ratio	Lower	Upper
164	100		
129	99.5	79.9	119.9
168	64.5	42.7	82.7
131	97.3	74.8	114.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3173.D
Acq On : 10 Apr 2007 11:46 am
Operator : DANAT
Sample : mb (M032)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 09:39:37 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	252969	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	1134124	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	945025	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	333094	4.39	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 87.80%

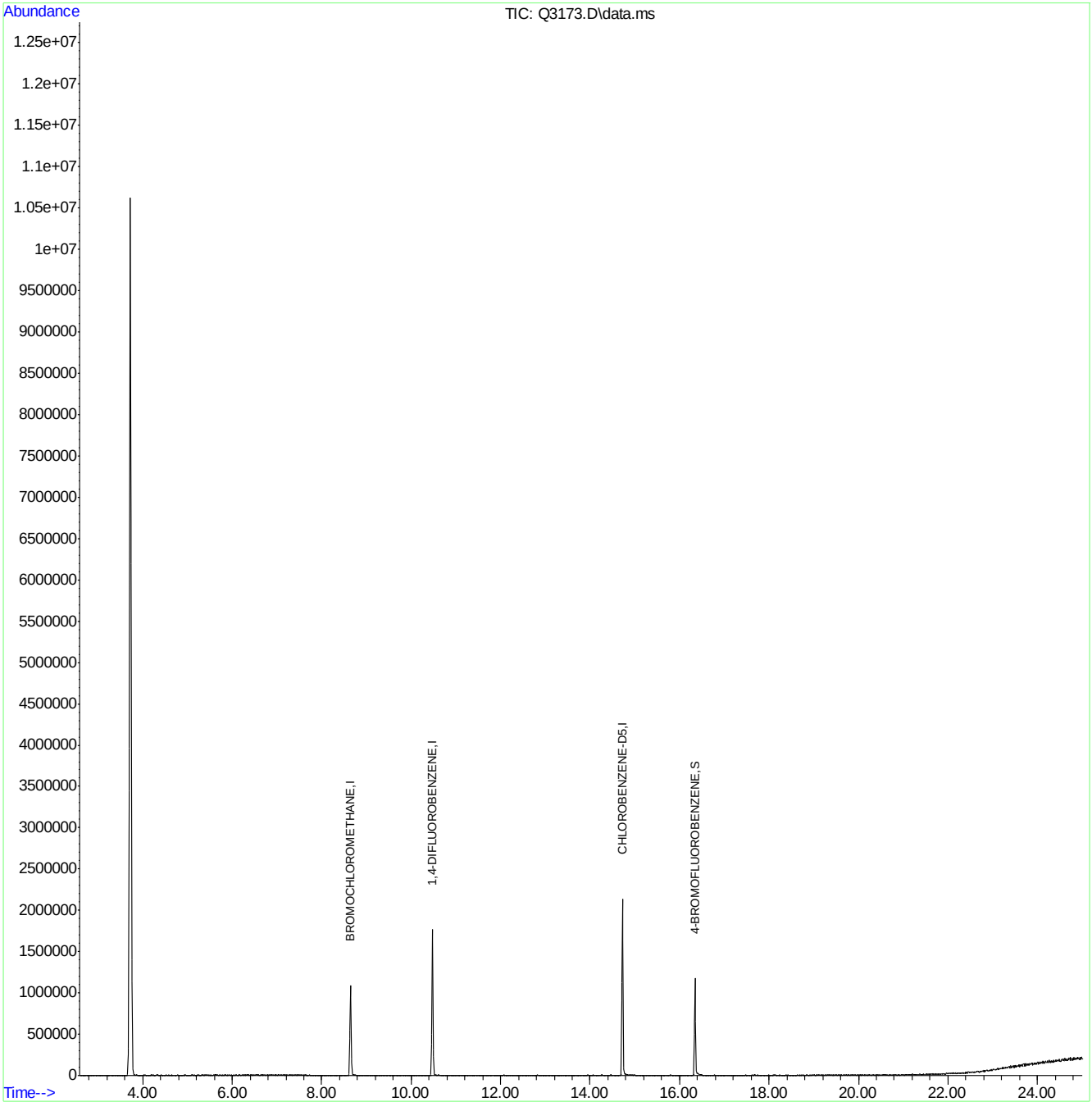
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3173.D
Acq On : 10 Apr 2007 11:46 am
Operator : DANAT
Sample : mb (M032)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 09:39:37 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration



ACCUTEST Laboratories M63695

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3171b.D
Acq On : 10 Apr 2007 10:16 am
Operator : DANAT
Sample : bs (M119)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 10 10:43:56 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.642	128	319103	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	1446087	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	1236457	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.343	95	534020	5.38	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 107.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1636703	9.18	PPBV	99
3) PROPYLENE	3.959	41	215168	8.88	PPBV	92
4) FREON 114	4.294	85	1419863	10.20	PPBV	99
5) CHLOROMETHANE	4.197	50	313212	9.75	PPBV	99
6) VINYL CHLORIDE	4.422	62	377000	10.15	PPBV	98
7) 1,3-BUTADIENE	4.557	39	339076	11.01	PPBV	98
8) BROMOMETHANE	4.839	94	423809	10.01	PPBV	99
9) CHLOROETHANE	5.015	64	167517	10.92	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.794	101	1731305	9.83	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	505109	8.69	PPBV	98
12) ACETONE	5.602	43	522874	9.80	PPBV	98
13) PENTANE	6.149	42	338715	8.91	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.431	96	425705	10.14	PPBV	97
15) CARBON DISULFIDE	6.862	76	1201204	10.35	PPBV	98
16) ETHANOL	5.095	45	83204	9.27	PPBV	96
17) BROMOETHENE	5.370	106	427566	10.19	PPBV	99
18) METHYLENE CHLORIDE	6.543	84	363051	11.21	PPBV	98
19) 3-CHLOROPROPENE	6.663	39	384961	10.33	PPBV	95
20) FREON 113	6.804	151	849357	9.68	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.476	96	418776	11.50	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.433	59	718995	8.87	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.718	73	880412	10.56	PPBV	98
24) TETRAHYDROFURAN	9.146	42	229674	9.59	PPBV	97
25) HEXANE	8.680	57	394062	8.09	PPBV	95
26) VINYL ACETATE	7.794	43	658252	10.86	PPBV	99
27) 1,1-DICHLOROETHANE	7.668	63	751955	11.42	PPBV	99
28) METHYL ETHYL KETONE	8.039	43	514664	8.90	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.481	96	305062	9.85	PPBV	93
30) ETHYL ACETATE	8.672	43	836921	9.03	PPBV	98
31) CHLOROFORM	8.761	83	909374	9.48	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.718	97	980315	9.65	PPBV	99
33) CARBON TETRACHLORIDE	10.300	117	1190436	9.67	PPBV	100
34) 1,2-DICHLOROETHANE	9.473	62	597543	9.33	PPBV	98
36) BENZENE	10.162	78	747074	9.27	PPBV	99
37) CYCLOHEXANE	10.428	84	341511	10.11	PPBV	99
38) TRICHLOROETHYLENE	11.157	95	478341	9.88	PPBV	99
39) 1,2-DICHLOROPROPANE	10.937	63	261086	9.13	PPBV	95
40) BROMODICHLOROMETHANE	11.120	83	850557	10.33	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.180	57	1308097	10.07	PPBV	97
42) 1,4-DIOXANE	11.143	88	143769	12.10	PPBV #	73
43) HEPTANE	11.420	43	482421	10.71	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3171b.D
Acq On : 10 Apr 2007 10:16 am
Operator : DANAT
Sample : bs (M119)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 10 10:43:56 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

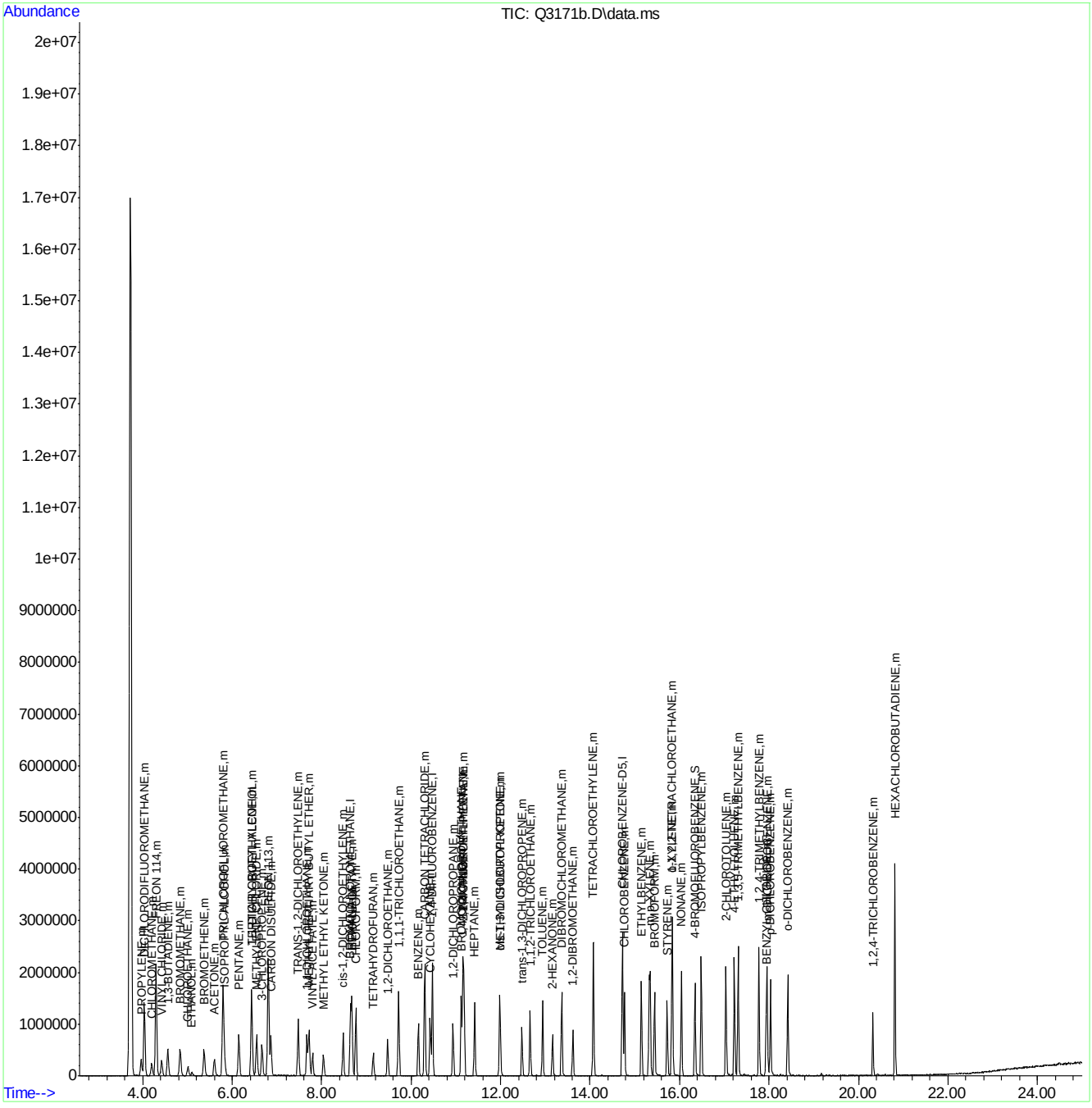
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.990	43	608047	10.40	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.975	75	428385	9.65	PPBV	93
46) TOLUENE	12.941	92	494127	9.23	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.476	75	416091	12.07	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.657	83	274627	8.74	PPBV	99
50) 2-HEXANONE	13.159	43	516696	12.30	PPBV	99
51) TETRACHLOROETHYLENE	14.071	164	451868	9.63	PPBV	99
52) DIBROMOCHLOROMETHANE	13.365	129	750071	10.20	PPBV	100
53) 1,2-DIBROMOETHANE	13.617	107	504561	9.27	PPBV	100
54) CHLOROBENZENE	14.769	112	700246	9.27	PPBV	98
55) ETHYLBENZENE	15.147	91	1182549	9.94	PPBV	100
56) m,p-XYLENE	15.344	106	857858	20.04	PPBV	98
57) o-XYLENE	15.839	106	433450	9.67	PPBV	97
58) STYRENE	15.722	104	599987	11.27	PPBV	99
59) NONANE	16.043	43	663872	11.00	PPBV	99
60) BROMOFORM	15.441	173	686745	10.13	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.828	83	700718	8.91	PPBV	99
63) ISOPROPYLBENZENE	16.485	105	1349390	9.46	PPBV	99
64) 2-CHLOROTOLUENE	17.037	91	1038959	10.09	PPBV	99
65) 4-ETHYLTOLUENE	17.225	105	1254271	11.67	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	1194310	10.44	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	1153365	11.61	PPBV	99
68) m-DICHLOROBENZENE	17.956	146	647241	10.76	PPBV	97
69) BENZYL CHLORIDE	17.933	91	654034	13.58	PPBV	99
70) p-DICHLOROBENZENE	18.031	146	629036	11.87	PPBV	99
71) o-DICHLOROBENZENE	18.418	146	637293	10.36	PPBV	98
72) HEXACHLOROBUTADIENE	20.814	225	544010	13.84	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.324	180	262973	23.60	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3171b.D
Acq On : 10 Apr 2007 10:16 am
Operator : DANAT
Sample : bs (M119)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 10 10:43:56 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration



Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
04/11/07 11:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3179.D
Acq On : 10 Apr 2007 4:06 pm
Operator : DANAT
Sample : m63694-2dup (M043)
Misc : MS13343,MSQ169,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 09:46:43 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.648	128	258395	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	1221169	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	1047589	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.343	95	366845	4.36	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 87.20%

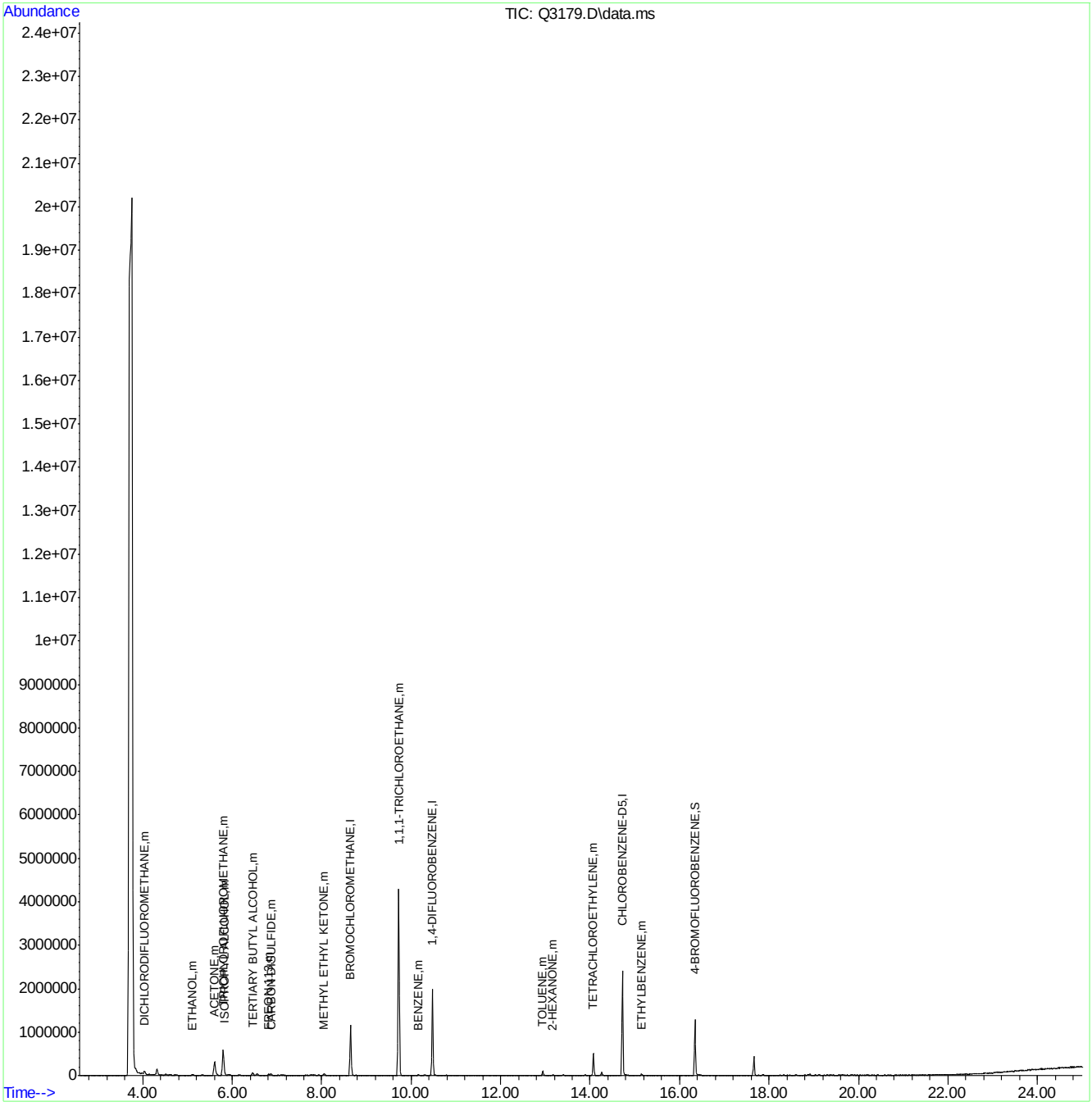
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.031	85	83684	0.58	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.794	101	577384	4.05	PPBV	100
11) ISOPROPYL ALCOHOL	5.831	45	26844	0.17	PPBV	88
12) ACETONE	5.606	43	512244	11.99	PPBV	100
15) CARBON DISULFIDE	6.864	76	55576	0.59	PPBV	93
16) ETHANOL	5.107	45	20996	2.27	PPBV	81
20) FREON 113	6.811	151	10429	0.15	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.447	59	68206	1.04	PPBV	86
28) METHYL ETHYL KETONE	8.042	43	41120	0.88	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.721	97	2567873	31.23	PPBV	99
36) BENZENE	10.158	78	13989m	0.21	PPBV	
46) TOLUENE	12.941	92	31356	0.69	PPBV	96
50) 2-HEXANONE	13.159	43	6445	0.18	PPBV	86
51) TETRACHLOROETHYLENE	14.070	164	85155	2.14	PPBV	96
55) ETHYLBENZENE	15.145	91	16569	0.16	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3179.D
Acq On : 10 Apr 2007 4:06 pm
Operator : DANAT
Sample : m63694-2dup (M043)
Misc : MS13343,MSQ169,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 09:46:43 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration



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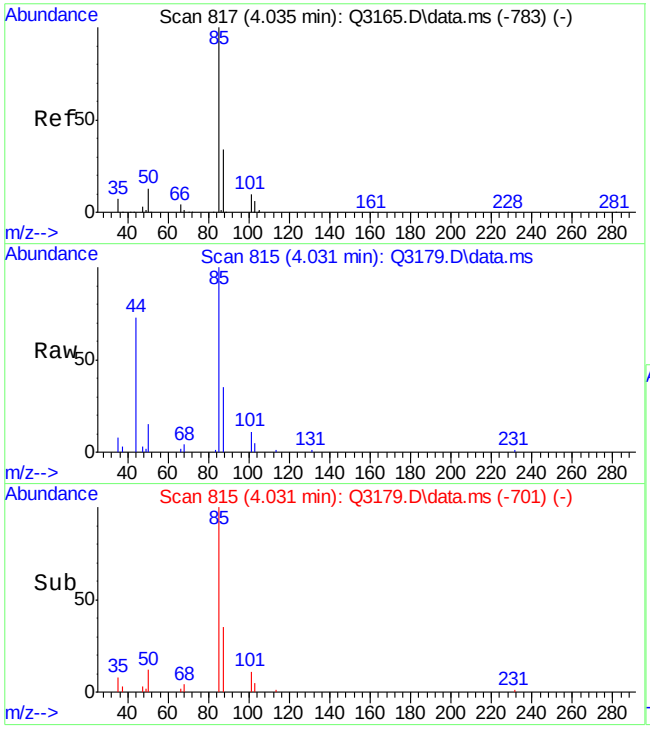
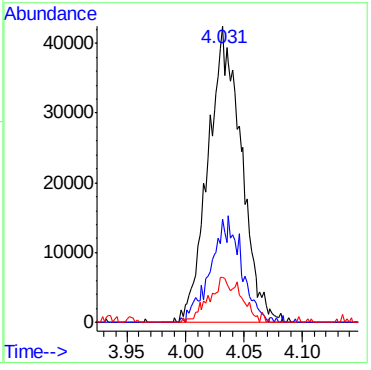
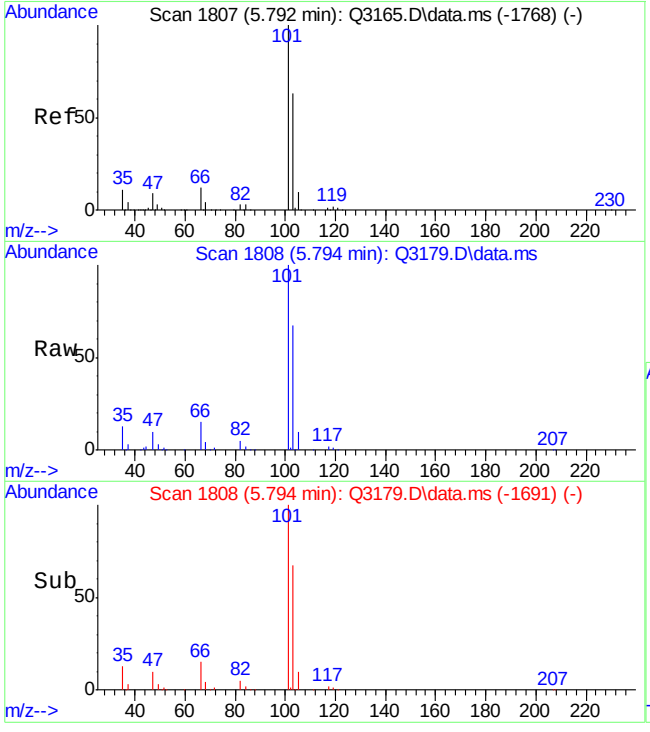


#2
DICHLORODIFLUOROMETHANE
Concen: 0.58 PPBV
RT: 4.031 min Scan# 815
Delta R.T. -0.003 min
Lab File: Q3179.D
Acq: 10 Apr 2007 4:06 pm

Tgt Ion: 85 Resp: 83684

Ion	Ratio	Lower	Upper
85	100		
87	32.8	12.7	52.7
50	14.7	0.0	33.6

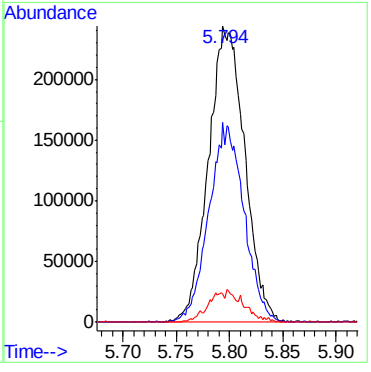


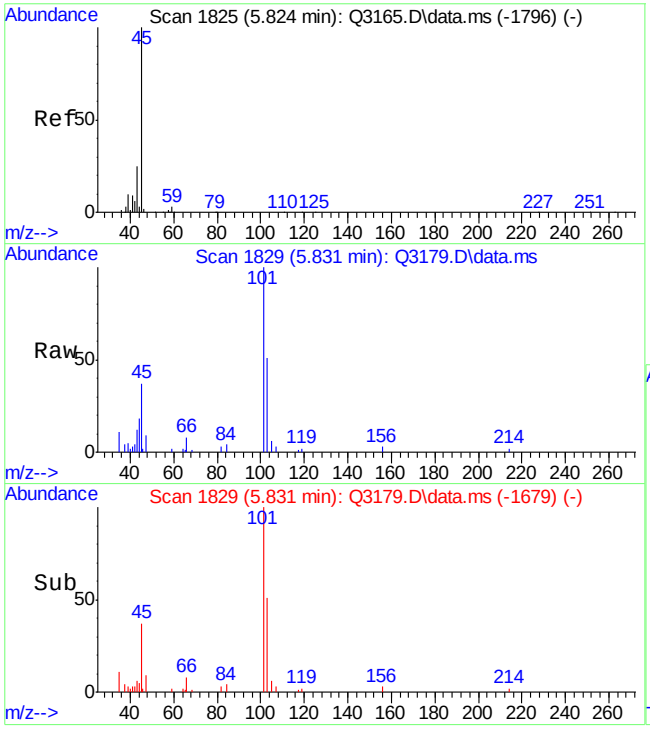


#10
TRICHLOROFLUOROMETHANE
Concen: 4.05 PPBV
RT: 5.794 min Scan# 1808
Delta R.T. 0.002 min
Lab File: Q3179.D
Acq: 10 Apr 2007 4:06 pm

Tgt Ion:101 Resp: 577384

Ion	Ratio	Lower	Upper
101	100		
103	64.8	44.5	84.5
105	10.3	0.0	30.4

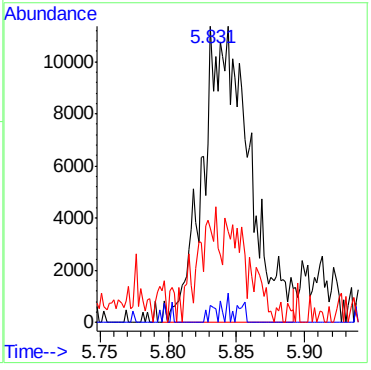


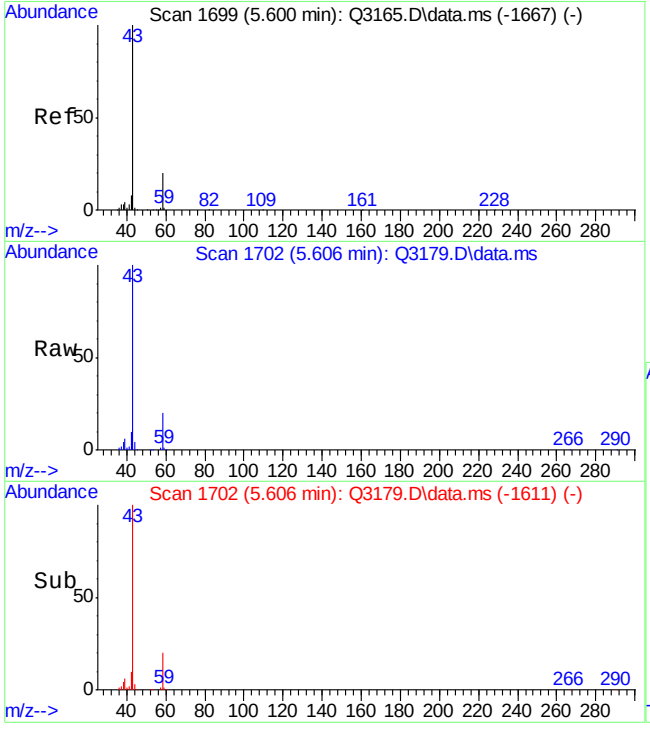


#11
ISOPROPYL ALCOHOL
Concen: 0.17 PPBV
RT: 5.831 min Scan# 1829
Delta R.T. 0.008 min
Lab File: Q3179.D
Acq: 10 Apr 2007 4:06 pm

Tgt Ion: 45 Resp: 26844

Ion	Ratio	Lower	Upper
45	100		
59	5.8	0.0	23.1
43	31.8	5.3	45.3

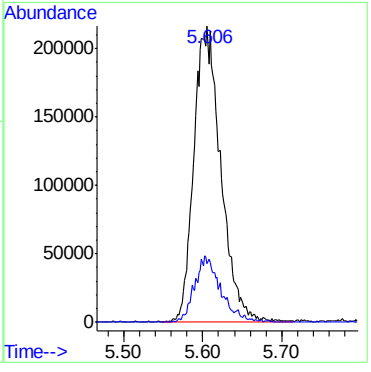




#12
ACETONE
Concen: 11.99 PPBV
RT: 5.606 min Scan# 1702
Delta R.T. 0.006 min
Lab File: Q3179.D
Acq: 10 Apr 2007 4:06 pm

Tgt Ion: 43 Resp: 512244

Ion	Ratio	Lower	Upper
43	100		
58	21.4	1.6	41.6



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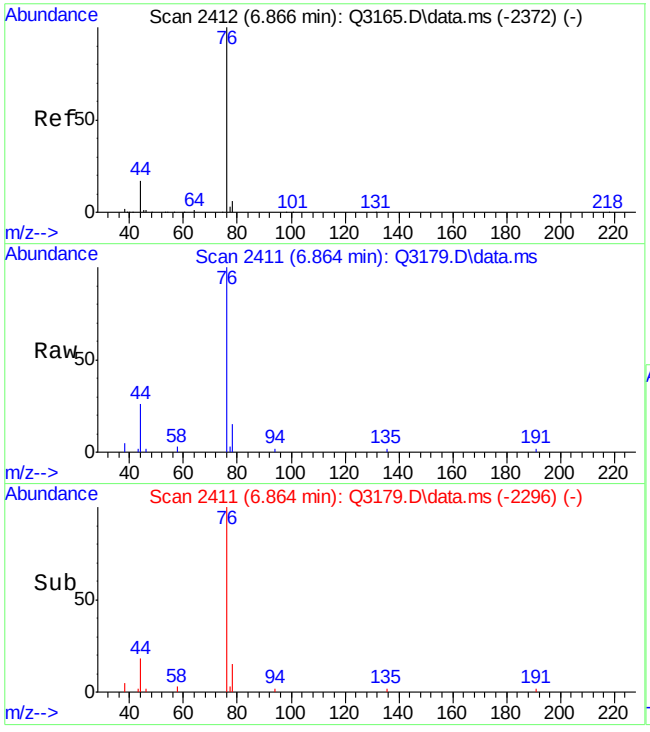
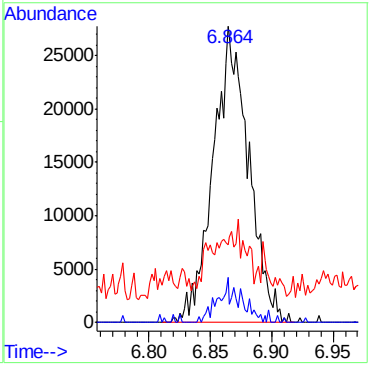
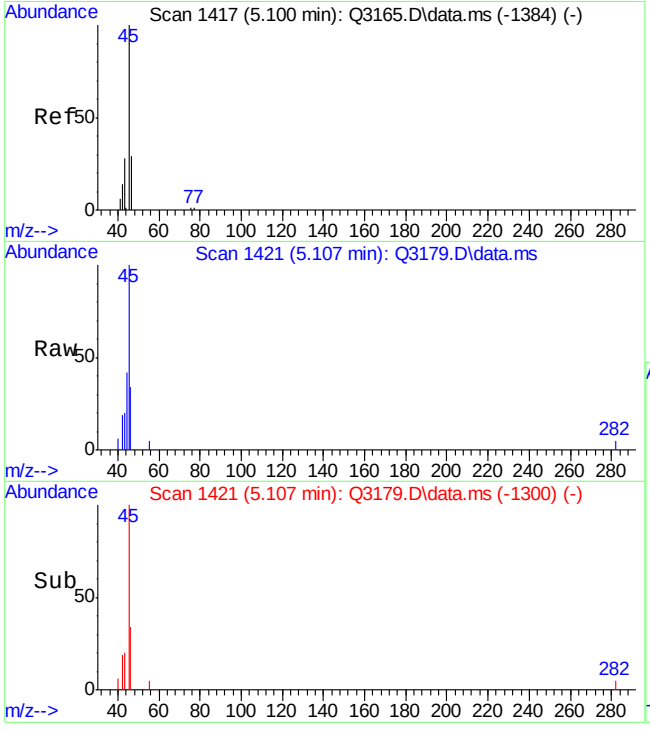


#15
CARBON DISULFIDE
Concen: 0.59 PPBV
RT: 6.864 min Scan# 2411
Delta R.T. -0.002 min
Lab File: Q3179.D
Acq: 10 Apr 2007 4:06 pm

Tgt Ion: 76 Resp: 55576

Ion	Ratio	Lower	Upper
76	100		
78	9.5	0.0	29.4
44	22.9	0.0	38.4

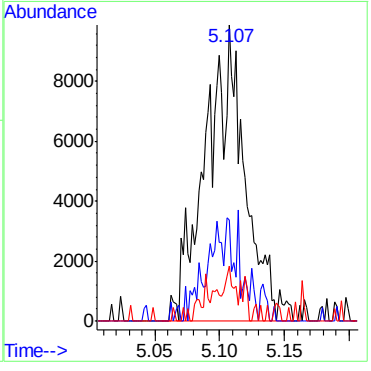


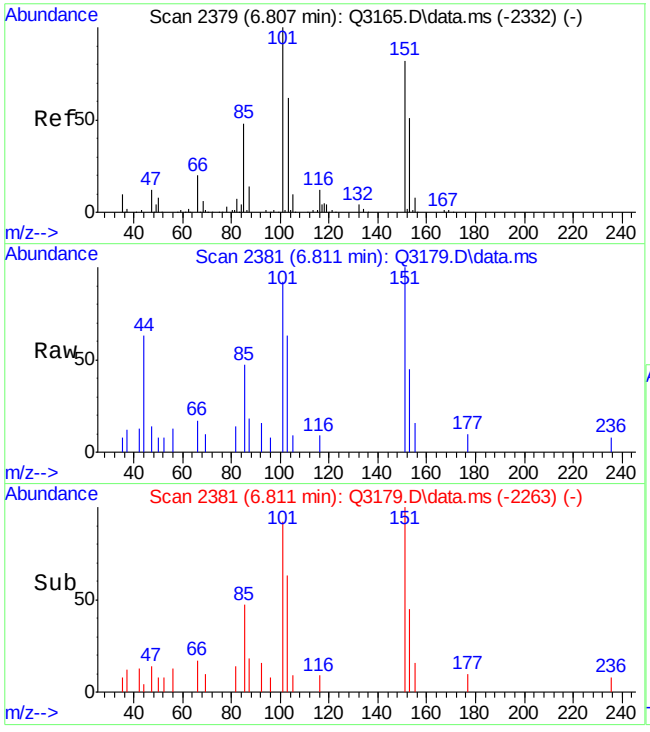


#16
ETHANOL
Concen: 2.27 PPBV
RT: 5.107 min Scan# 1421
Delta R.T. 0.008 min
Lab File: Q3179.D
Acq: 10 Apr 2007 4:06 pm

Tgt Ion: 45 Resp: 20996

Ion	Ratio	Lower	Upper
45	100		
46	20.3	14.7	54.7
42	13.1	0.0	32.0

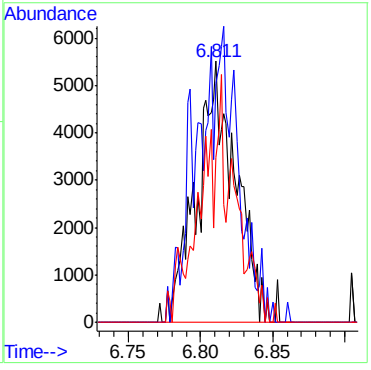


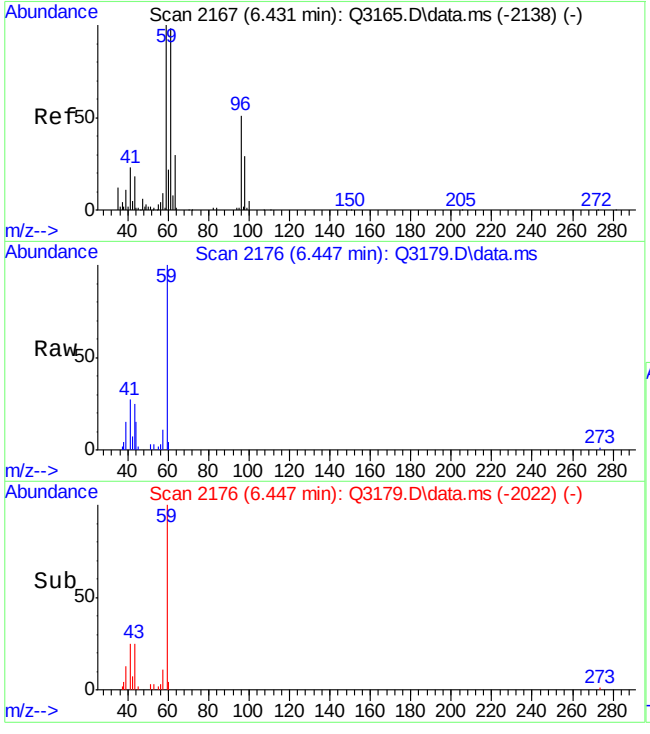


#20
FREON 113
Concen: 0.15 PPBV
RT: 6.811 min Scan# 2381
Delta R.T. 0.004 min
Lab File: Q3179.D
Acq: 10 Apr 2007 4:06 pm

Tgt Ion:151 Resp: 10429

Ion	Ratio	Lower	Upper
151	100		
101	117.4	102.1	142.1
103	79.4	59.0	99.0

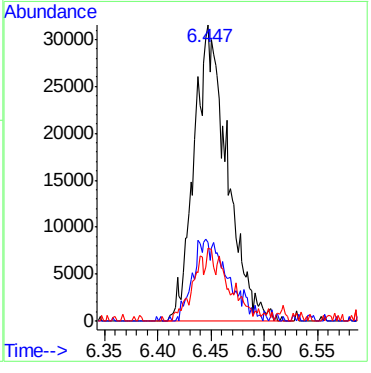


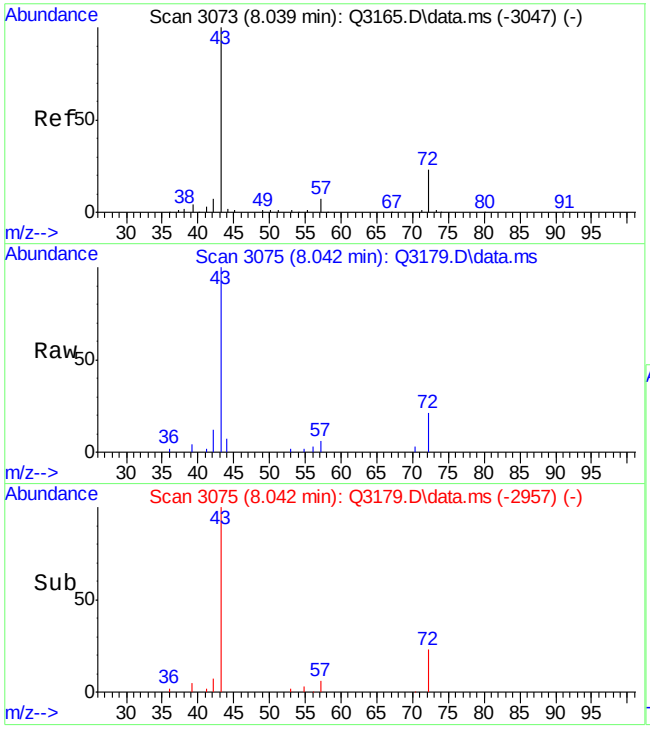


#22
TERTIARY BUTYL ALCOHOL
Concen: 1.04 PPBV
RT: 6.447 min Scan# 2176
Delta R.T. 0.016 min
Lab File: Q3179.D
Acq: 10 Apr 2007 4:06 pm

Tgt Ion: 59 Resp: 68206

Ion	Ratio	Lower	Upper
59	100		
41	29.2	3.7	43.7
43	25.9	0.0	38.2

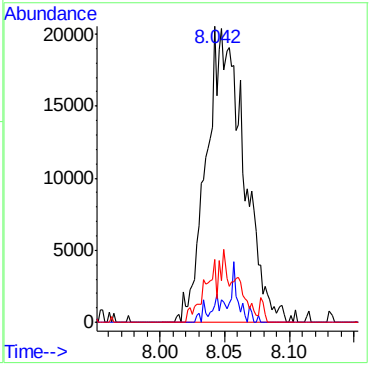


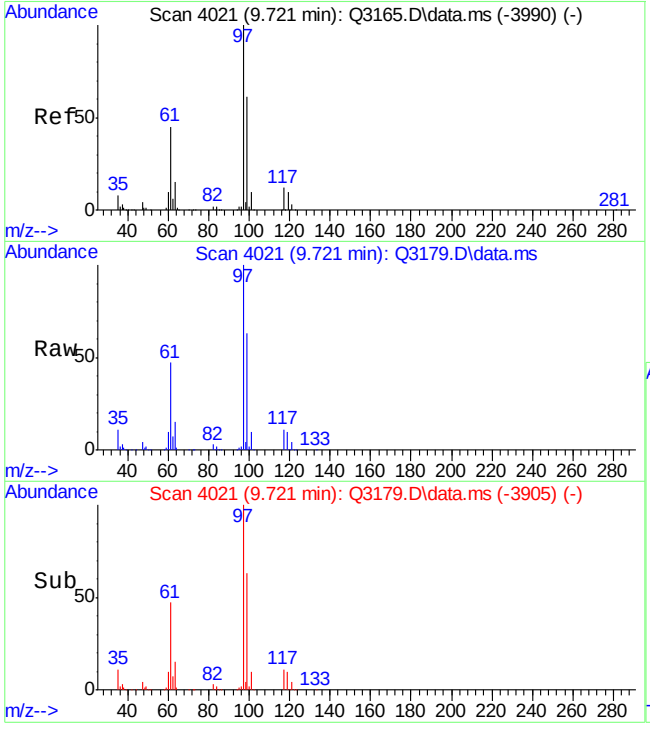


#28
METHYL ETHYL KETONE
Concen: 0.88 PPBV
RT: 8.042 min Scan# 3075
Delta R.T. 0.004 min
Lab File: Q3179.D
Acq: 10 Apr 2007 4:06 pm

Tgt Ion: 43 Resp: 41120

Ion	Ratio	Lower	Upper
43	100		
57	5.6	0.0	26.5
72	21.1	2.7	42.7

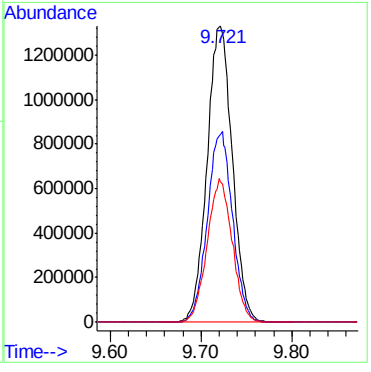


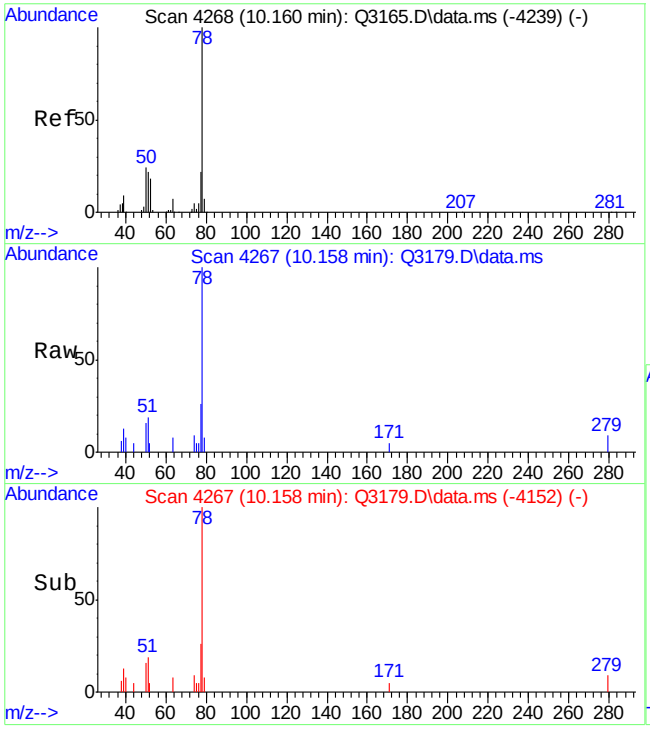


#32
1,1,1-TRICHLOROETHANE
Concen: 31.23 PPBV
RT: 9.721 min Scan# 4021
Delta R.T. 0.000 min
Lab File: Q3179.D
Acq: 10 Apr 2007 4:06 pm

Tgt Ion: 97 Resp: 2567873

Ion	Ratio	Lower	Upper
97	100		
99	63.9	43.4	83.4
61	47.8	26.1	66.1

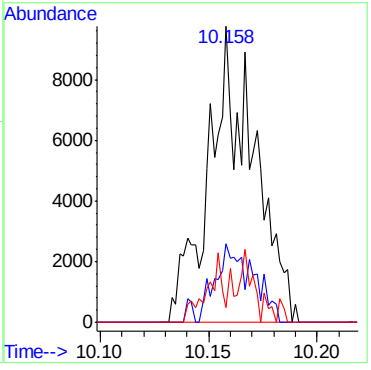


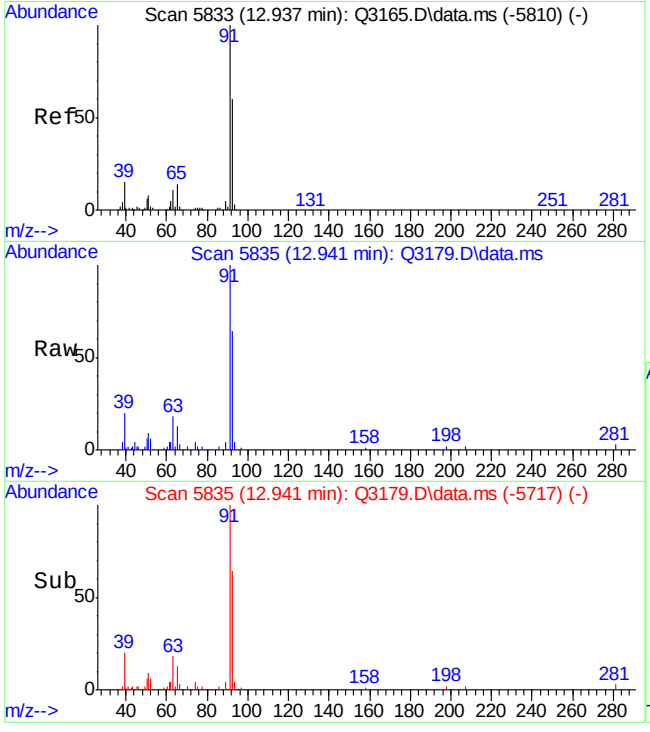


#36
BENZENE
Concen: 0.21 PPBV m
RT: 10.158 min Scan# 4267
Delta R.T. -0.002 min
Lab File: Q3179.D
Acq: 10 Apr 2007 4:06 pm

Tgt Ion: 78 Resp: 13989

Ion	Ratio	Lower	Upper
78	100		
77	23.2	3.2	43.2
52	18.8	0.0	37.3

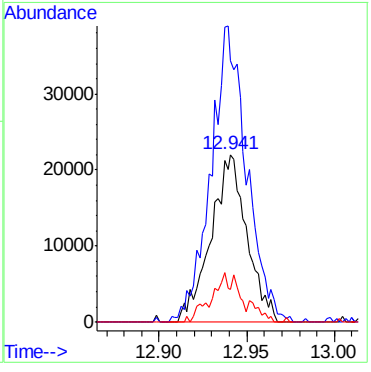


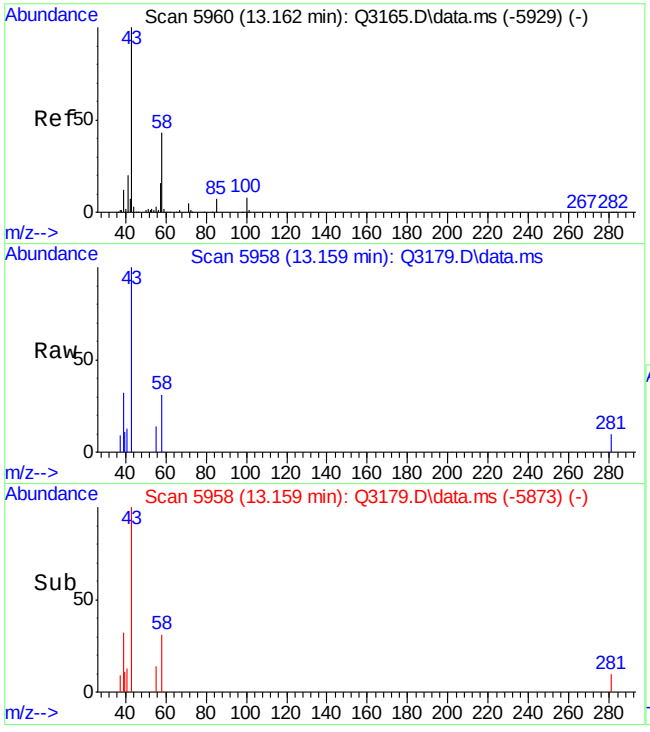


#46
TOLUENE
Concen: 0.69 PPBV
RT: 12.941 min Scan# 5835
Delta R.T. 0.004 min
Lab File: Q3179.D
Acq: 10 Apr 2007 4:06 pm

Tgt Ion: 92 Resp: 31356

Ion	Ratio	Lower	Upper
92	100		
91	176.4	150.3	190.3
65	25.5	4.0	44.0

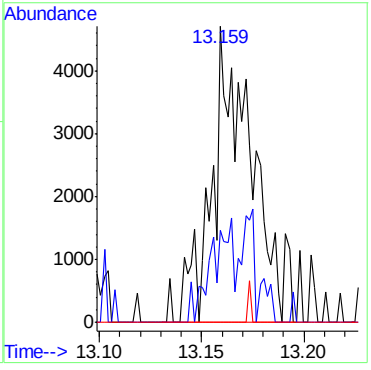


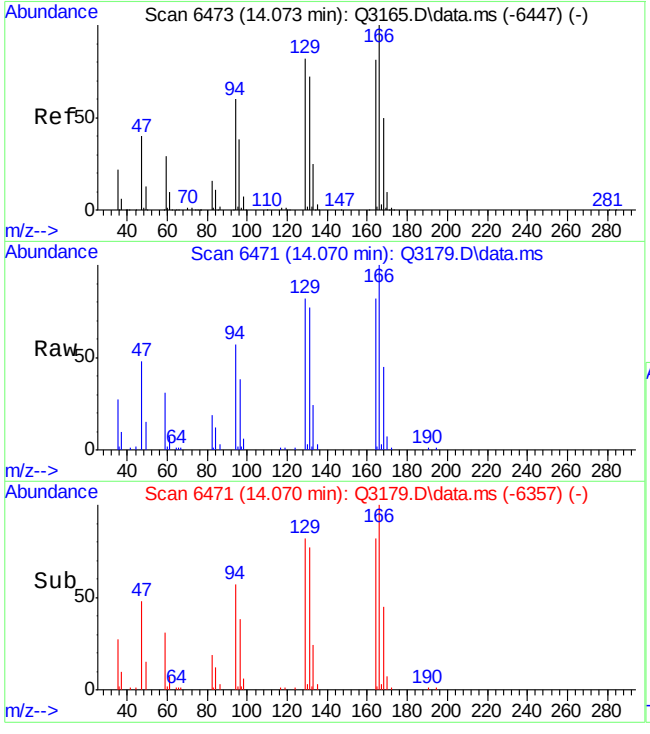


#50
2-HEXANONE
Concen: 0.18 PPBV
RT: 13.159 min Scan# 5958
Delta R.T. -0.003 min
Lab File: Q3179.D
Acq: 10 Apr 2007 4:06 pm

Tgt Ion: 43 Resp: 6445

Ion	Ratio	Lower	Upper
43	100		
58	35.0	23.3	63.3
100	1.1	0.0	27.4

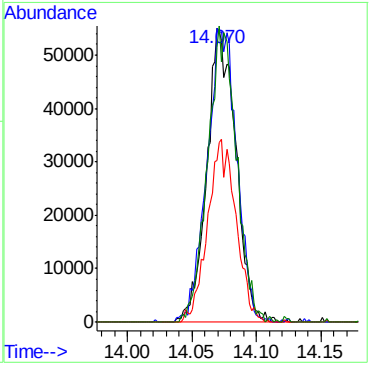


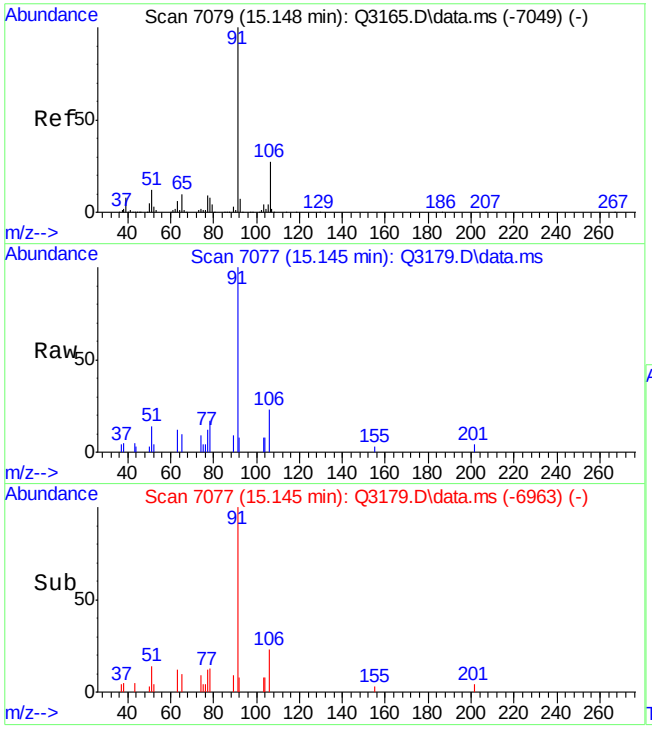


#51
TETRACHLOROETHYLENE
Concen: 2.14 PPBV
RT: 14.070 min Scan# 6471
Delta R.T. -0.003 min
Lab File: Q3179.D
Acq: 10 Apr 2007 4:06 pm

Tgt Ion:164 Resp: 85155

Ion	Ratio	Lower	Upper
164	100		
129	102.7	79.9	119.9
168	60.5	42.7	82.7
131	99.7	74.8	114.8

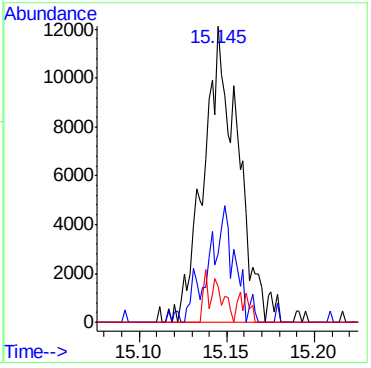




#55
ETHYLBENZENE
Concen: 0.16 PPBV
RT: 15.145 min Scan# 7077
Delta R.T. -0.003 min
Lab File: Q3179.D
Acq: 10 Apr 2007 4:06 pm

Tgt Ion: 91 Resp: 16569

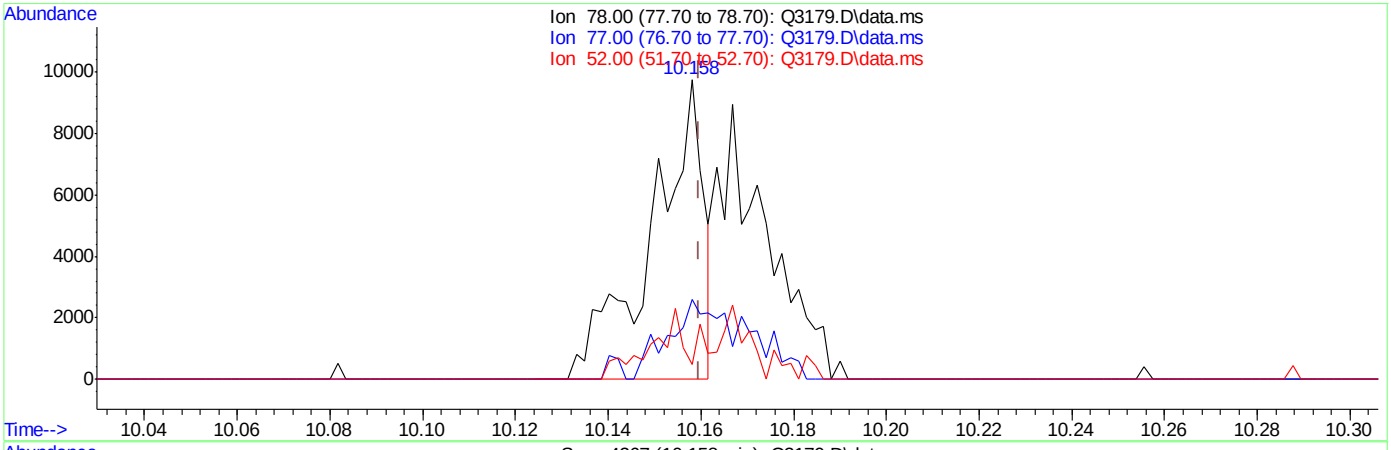
Ion	Ratio	Lower	Upper
91	100		
106	30.0	8.2	48.2
77	10.5	0.0	30.0

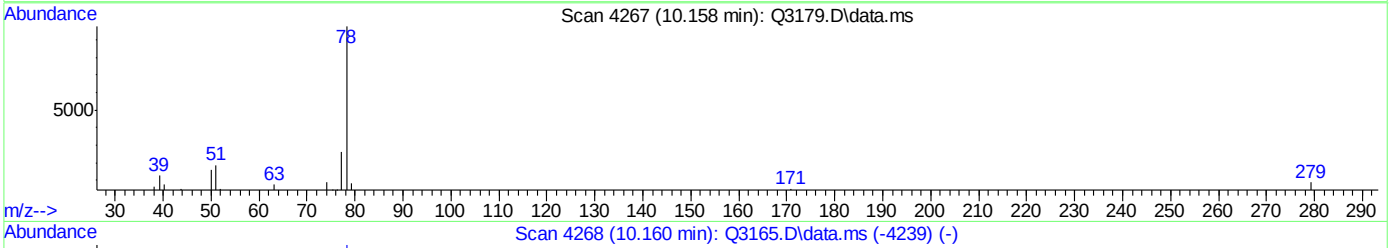


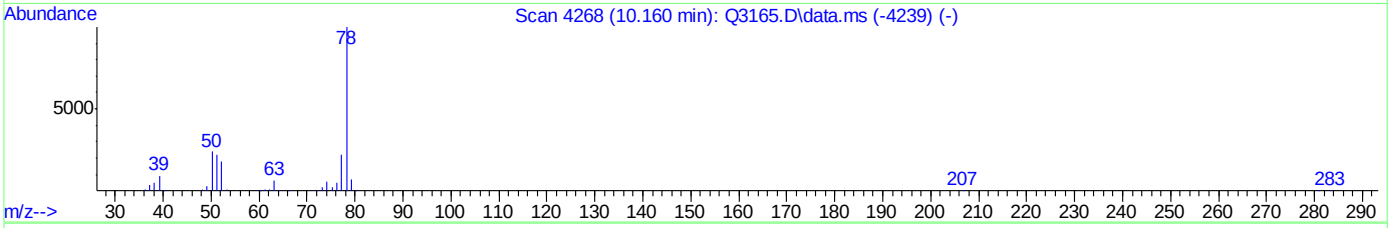
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3179.D
Acq On : 10 Apr 2007 4:06 pm
Operator : DANAT
Sample : m63694-2dup (M043)
Misc : MS13343,MSQ169,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 08:53:50 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration







TIC: Q3179.D\data.ms

(36) BENZENE (m)

10.158min (-0.002) 0.11PPBV

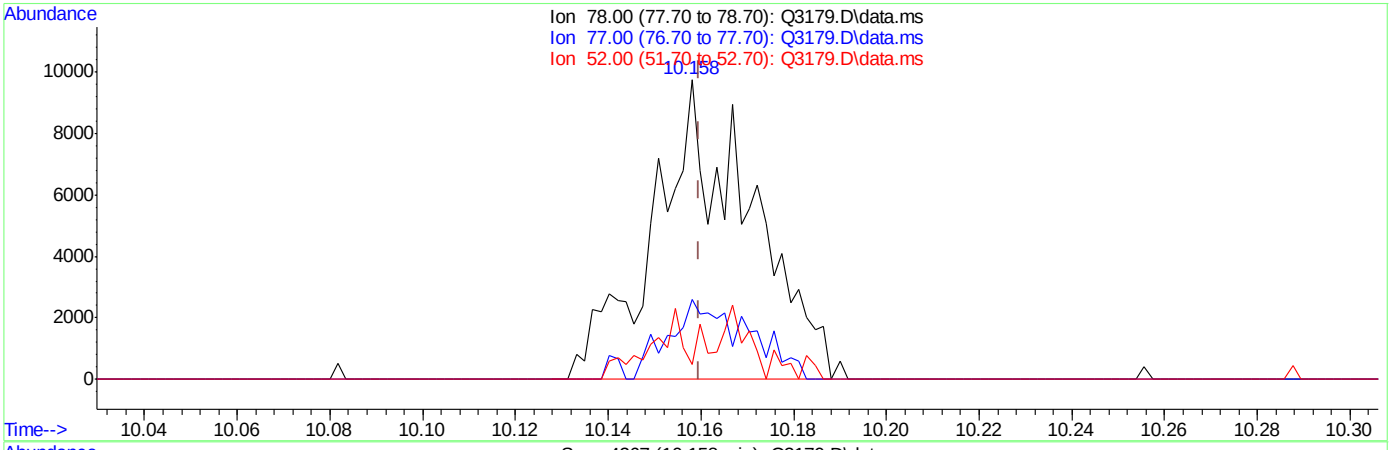
response 7469

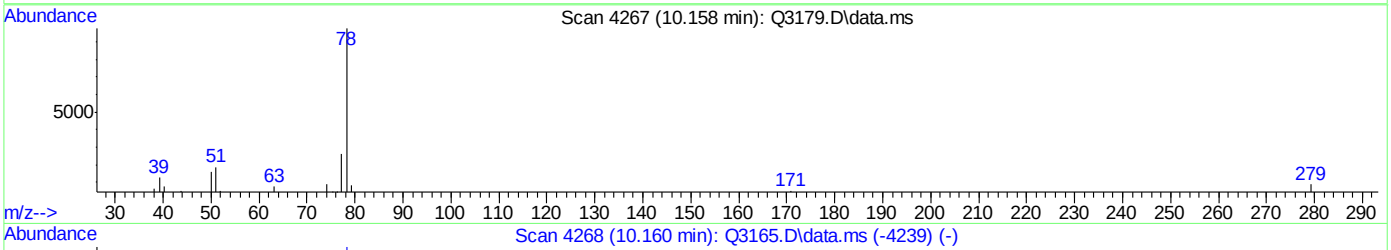
Ion	Exp%	Act%
78.00	100	100
77.00	23.20	43.47#
52.00	17.30	35.28
0.00	0.00	0.00

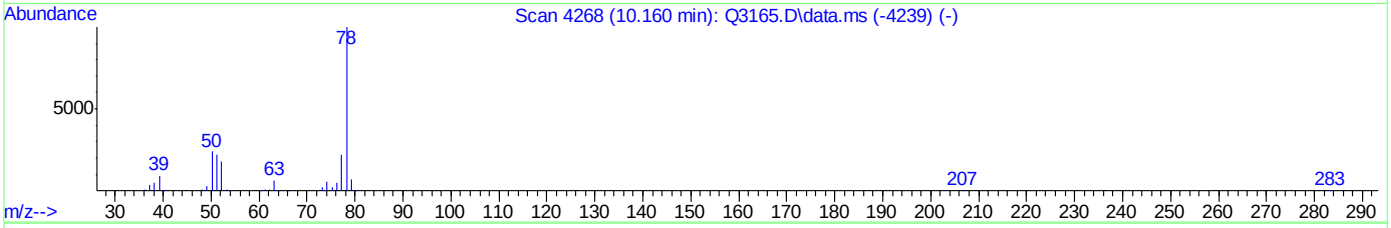
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3179.D
Acq On : 10 Apr 2007 4:06 pm
Operator : DANAT
Sample : m63694-2dup (M043)
Misc : MS13343,MSQ169,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 08:53:50 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration







TIC: Q3179.D\data.ms

(36) BENZENE (m)

10.158min (-0.002) 0.21PPBV m

response 13989

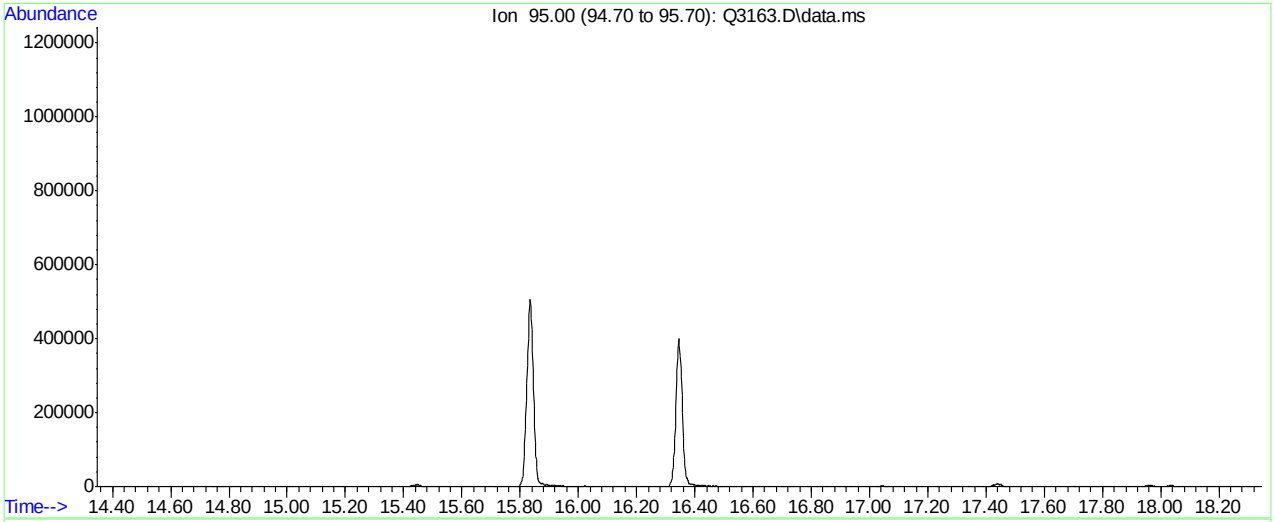
Ion	Exp%	Act%
78.00	100	100
77.00	23.20	23.21
52.00	17.30	18.84
0.00	0.00	0.00

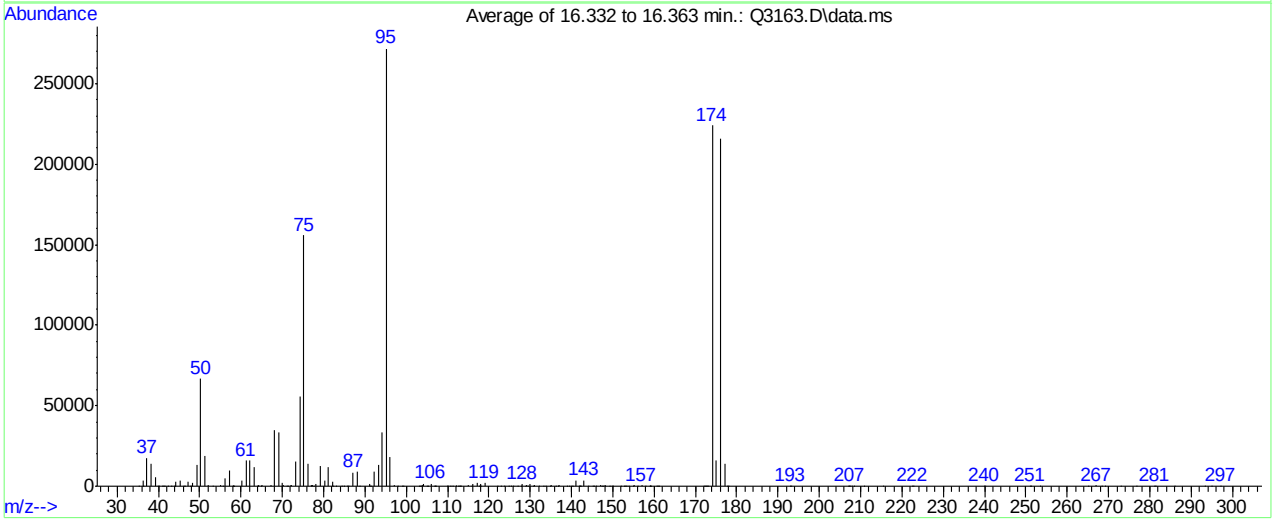
BFB

Data File : C:\msdchem\1\DATA\Q3163.D
Acq On : 9 Apr 2007 1:30 pm
Sample : ic169-40 (M020)
Misc : MS13316,MSQ169,,,,,1
MS Integration Params: LSCINT.P

Vial: 5
Operator: DANAT
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q040907T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.332 to 16.363 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.5	66582	PASS
75	95	30	66	57.3	155708	PASS
95	95	100	100	100.0	271830	PASS
96	95	5	9	6.8	18395	PASS
173	174	0.00	2	0.2	369	PASS
174	95	50	120	82.4	224074	PASS
175	174	4	9	7.1	15945	PASS
176	174	93	101	96.2	215491	PASS
177	176	5	9	6.5	13913	PASS

Q3163.D Q040907T.m Tue Apr 10 11:39:59 2007 RPT1

Average of 16.332 to 16.363 min.: Q3163.D\data.ms
ic169-40 (M020)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.20	23	42.20	77	48.20	2184	58.00	107
36.20	3485	43.10	357	49.25	13520	58.15	345
36.35	330	43.90	53	50.25	66582	58.40	31
37.20	17478	44.00	165	51.20	18891	60.20	3549
38.25	14166	44.15	3051	52.15	1037	61.15	15881
39.25	5797	45.20	3170	53.05	65	62.20	15819
39.95	106	46.05	107	55.10	1059	63.20	11924
40.20	194	46.30	39	55.45	88	64.00	24
41.00	28	47.20	2814	56.15	5223	64.10	298
41.25	104	47.60	143	57.20	9536	64.25	788
41.60	39	47.90	39	57.90	42	64.80	30

Average of 16.332 to 16.363 min.: Q3163.D\data.ms
ic169-40 (M020)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
65.05	428	74.20	55684	82.10	2931	91.20	142
67.15	947	75.20	155708	82.30	58	91.35	192
68.20	35143	76.20	13703	83.10	263	92.15	9307
69.20	33146	76.90	70	84.40	36	93.20	13041
70.10	1998	77.05	767	84.95	101	94.20	33437
70.25	510	77.25	860	85.80	26	95.20	271830
71.05	81	77.70	30	86.05	58	96.15	18395
71.45	62	78.20	1136	87.15	8540	97.15	398
72.10	994	79.15	12235	88.10	9138	97.95	56
72.25	920	80.15	3356	88.80	34	98.95	54
73.15	15368	81.10	11584	91.05	1499	99.30	22

Average of 16.332 to 16.363 min.: Q3163.D\data.ms
ic169-40 (M020)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.05	104	109.85	63	115.80	37	124.90	26
103.30	49	110.20	35	116.05	1189	125.20	22
103.70	45	110.80	55	117.05	1953	125.95	67
103.95	733	111.10	200	117.75	112	127.05	51
104.15	1131	112.00	92	117.80	33	127.70	27
104.90	338	112.15	192	117.90	73	128.05	1154
105.25	131	112.70	62	118.05	1305	128.80	139
106.05	1551	112.90	59	119.05	2023	129.05	411
106.80	85	113.00	66	121.95	56	129.50	43
106.90	55	113.15	125	122.85	57	130.05	1125
107.05	140	115.00	431	123.75	52	130.80	68

Average of 16.332 to 16.363 min.: Q3163.D\data.ms
ic169-40 (M020)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
131.05	475	140.00	110	146.05	316	153.00	38
132.20	32	140.30	26	147.10	511	153.25	77
133.20	35	141.10	3643	147.25	56	153.95	114
133.80	24	141.75	60	147.60	32	154.90	180
134.70	29	141.90	29	148.00	453	155.05	503
135.10	694	142.10	259	148.15	174	155.90	103
136.30	52	142.25	67	149.10	22	157.05	524
136.85	181	143.10	3774	149.70	38	158.00	27
137.05	416	144.15	90	149.95	164	158.85	195
138.95	77	145.15	105	151.95	71	158.90	39
139.40	24	145.50	28	152.75	55	159.00	24

Average of 16.332 to 16.363 min.: Q3163.D\data.ms
ic169-40 (M020)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
159.20	72	176.10	215491	210.70	33	268.40	75
160.60	26	177.05	13913	215.50	23	269.10	64
160.95	310	177.80	25	222.60	73	272.90	31
161.15	69	178.05	247	222.80	38	276.80	26

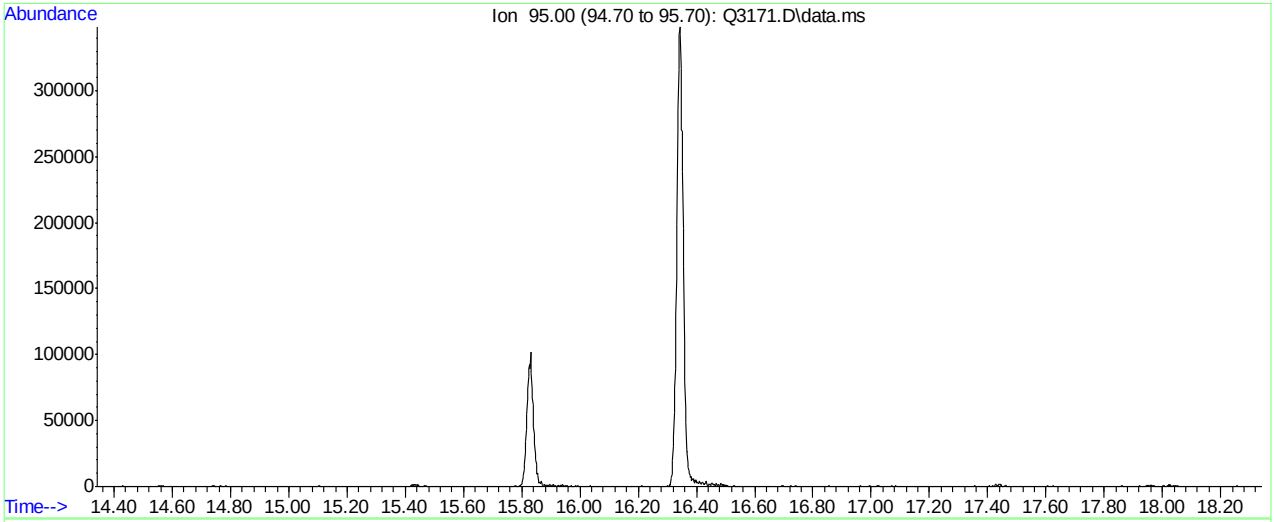
171.90	253	192.80	23	239.90	30	281.00	34
172.20	135	193.10	26	240.10	35	281.30	66
172.60	55	206.90	32	250.90	29	286.00	30
172.85	272	207.15	59	251.15	113	293.20	27
173.05	369	207.40	61	253.30	57	294.90	23
174.10	224074	207.70	25	265.20	24	297.20	33
175.10	15945	208.40	49	267.10	418		

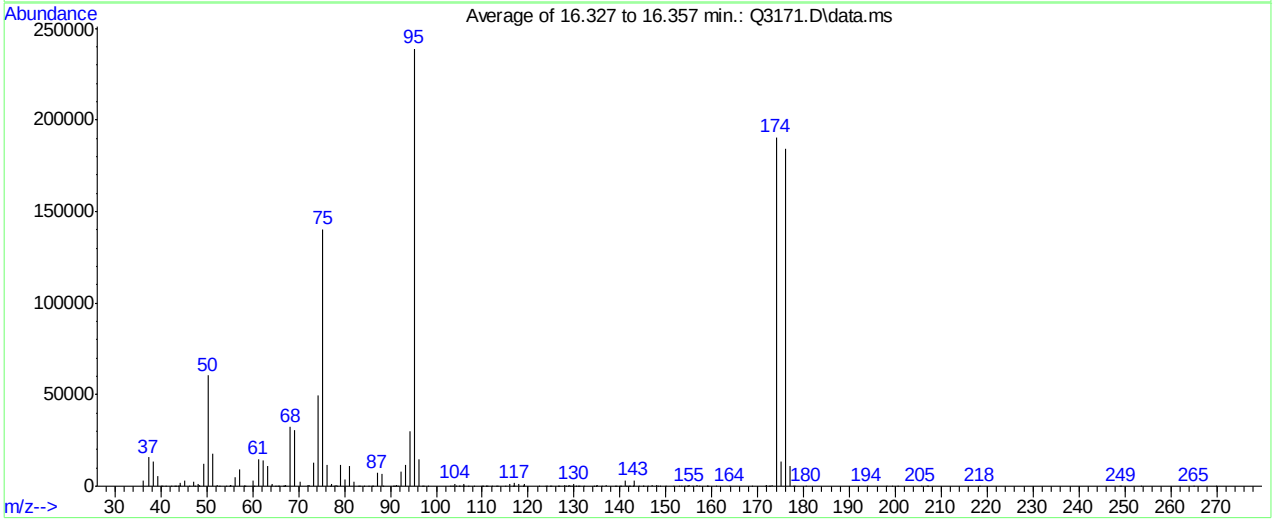
BFB

Data File : C:\msdchem\1\DATA\Q3171.D
Acq On : 10 Apr 2007 10:16 am
Sample : icv169-10 (M119)
Misc : MS13316,MSQ169,,,,,1
MS Integration Params: LSCINT.P

Vial: 10
Operator: DANAT
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q040907T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.327 to 16.357 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	25.3	60445	PASS
75	95	30	66	58.8	140464	PASS
95	95	100	100	100.0	239069	PASS
96	95	5	9	6.2	14739	PASS
173	174	0.00	2	0.4	750	PASS
174	95	50	120	79.7	190517	PASS
175	174	4	9	7.0	13414	PASS
176	174	93	101	96.6	184081	PASS
177	176	5	9	6.1	11199	PASS

Q3171.D Q040907T.m Wed Apr 11 09:37:37 2007 RPT1

Average of 16.327 to 16.357 min.: Q3171.D\data.ms
icv169-10 (M119)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	3260	44.10	917	51.20	17509	58.25	185
37.25	15808	44.25	1677	52.15	894	60.15	2940
38.25	13761	45.20	3330	52.80	24	60.40	131
39.20	5273	46.05	76	54.10	50	61.20	14861
39.90	29	47.10	2406	54.95	166	62.15	13898
40.20	223	47.40	87	55.10	580	63.25	10921
41.10	29	48.10	983	55.25	543	64.00	147
42.10	31	48.20	793	56.25	4828	64.20	966
43.00	23	48.35	303	57.15	8977	65.05	252
43.25	180	49.20	12503	58.00	52	65.30	176
43.70	31	50.20	60445	58.10	55	65.70	22

Average of 16.327 to 16.357 min.: Q3171.D\data.ms
icv169-10 (M119)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
66.70	22	75.20	140464	83.00	75	91.00	309
66.80	63	76.20	11543	83.20	101	91.20	659
66.95	165	76.90	27	84.20	22	91.50	97
67.15	555	77.15	1469	85.20	24	92.20	7785
68.20	32387	77.70	62	85.95	125	93.20	11492
69.20	30913	78.05	679	86.25	127	94.20	30065
70.20	2329	78.25	127	87.15	7325	95.20	239069
71.95	618	79.10	11446	88.10	6724	96.20	14739
72.15	870	80.10	3401	88.50	64	97.05	145
73.15	13086	81.15	11005	90.60	23	97.25	223
74.25	49310	82.10	2397	90.90	183	98.10	24

Average of 16.327 to 16.357 min.: Q3171.D\data.ms
icv169-10 (M119)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.00	25	109.95	61	116.90	61	126.50	24
103.45	109	110.15	83	117.05	1656	126.80	27
104.10	1348	110.80	64	118.05	1304	127.95	789
104.25	181	110.95	60	118.80	91	128.15	270
104.90	165	111.20	51	118.90	61	128.65	79
105.10	188	112.10	215	119.05	1533	128.95	341
105.80	94	112.95	167	122.30	68	129.20	85
105.90	164	113.20	35	123.70	40	129.60	32
106.05	1217	114.95	198	124.00	34	130.00	951
107.05	285	116.10	986	124.80	25	130.30	59
108.20	36	116.80	178	125.10	28	130.95	295

Average of 16.327 to 16.357 min.: Q3171.D\data.ms
icv169-10 (M119)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
131.15	74	140.20	22	146.00	323	154.80	195
132.00	22	141.05	3149	147.05	458	155.10	539
134.40	23	141.30	239	148.00	649	155.85	51
134.75	89	142.00	187	148.15	70	156.90	394
134.90	26	142.15	249	148.80	54	157.20	169
135.10	352	142.80	64	149.95	220	158.90	98
135.90	23	142.90	133	151.70	22	159.05	91
137.05	651	143.05	3208	152.95	49	159.30	59
138.90	74	144.05	98	153.40	23	161.00	284
139.30	25	145.00	134	154.00	130	163.90	24
139.85	155	145.15	156	154.50	48	168.70	28

Average of 16.327 to 16.357 min.: Q3171.D\data.ms
icv169-10 (M119)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
171.60	27	180.50	43	253.40	29		
172.00	650	193.90	24	265.10	24		
172.40	30	198.00	23	269.90	22		
172.65	73	199.40	30				

173.05	750	200.40	27
174.10	190517	205.60	37
175.15	13414	206.90	24
176.10	184081	207.20	25
177.05	11199	218.40	41
177.90	53	248.90	28
178.15	136	249.15	67

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3163.D
Acq On : 9 Apr 2007 1:30 pm
Operator : DANAT
Sample : ic169-40 (M020)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 09 14:58:34 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 14:57:40 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	313410	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.476	114	1488411	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	1385600	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.345	95	614390	5.11	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 102.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	5587594	39.13	PPBV	99
3) PROPYLENE	3.962	41	770455	38.11	PPBV	95
4) FREON 114	4.294	85	4798719	39.83	PPBV	97
5) CHLOROMETHANE	4.200	50	1054839	38.41	PPBV	88
6) VINYL CHLORIDE	4.424	62	1280197	38.46	PPBV	99
7) 1,3-BUTADIENE	4.559	39	1089859	40.16	PPBV	97
8) BROMOMETHANE	4.834	94	1480534	39.71	PPBV	100
9) CHLOROETHANE	5.008	64	589245	41.45	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.790	101	6077794	40.85	PPBV	99
11) ISOPROPYL ALCOHOL	5.828	45	2202139	40.13	PPBV	97
12) ACETONE	5.595	43	2001082	39.84	PPBV	98
13) PENTANE	6.147	42	1213749	40.34	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.429	96	1502328	40.99	PPBV	98
15) CARBON DISULFIDE	6.864	76	4309820	40.76	PPBV	100
16) ETHANOL	5.096	45	325450	38.90	PPBV	100
17) BROMOETHENE	5.373	106	1490772	40.31	PPBV	98
18) METHYLENE CHLORIDE	6.543	84	1336917	41.99	PPBV	98
19) 3-CHLOROPROPENE	6.665	39	1498788	42.98	PPBV	98
20) FREON 113	6.807	151	3239086	42.33	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.476	96	1443510	43.57	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.435	59	3127927	40.87	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.714	73	3311199	40.77	PPBV	99
24) TETRAHYDROFURAN	9.145	42	1008712	40.85	PPBV	98
25) HEXANE	8.676	57	1599267	41.44	PPBV	100
26) VINYL ACETATE	7.796	43	2425652	40.81	PPBV	99
27) 1,1-DICHLOROETHANE	7.672	63	2540687	42.51	PPBV	99
28) METHYL ETHYL KETONE	8.041	43	2080394	40.87	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.481	96	1276547	42.14	PPBV	99
30) ETHYL ACETATE	8.674	43	3418298	41.30	PPBV	100
31) CHLOROFORM	8.765	83	3654465	42.22	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.721	97	4047649	42.87	PPBV	100
33) CARBON TETRACHLORIDE	10.305	117	5073752	42.77	PPBV	99
34) 1,2-DICHLOROETHANE	9.477	62	2562892	42.46	PPBV	100
36) BENZENE	10.162	78	3551662	43.32	PPBV	99
37) CYCLOHEXANE	10.430	84	1463115	41.98	PPBV	99
38) TRICHLOROETHYLENE	11.163	95	2130846	42.67	PPBV	98
39) 1,2-DICHLOROPROPANE	10.939	63	1198878	41.87	PPBV	98
40) BROMODICHLOROMETHANE	11.122	83	3712453	43.05	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.186	57	5870708	43.28	PPBV	99
42) 1,4-DIOXANE	11.147	88	510907	42.69	PPBV	94
43) HEPTANE	11.422	43	2030008	42.81	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3163.D
Acq On : 9 Apr 2007 1:30 pm
Operator : DANAT
Sample : ic169-40 (M020)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 09 14:58:34 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 14:57:40 2007
Response via : Initial Calibration

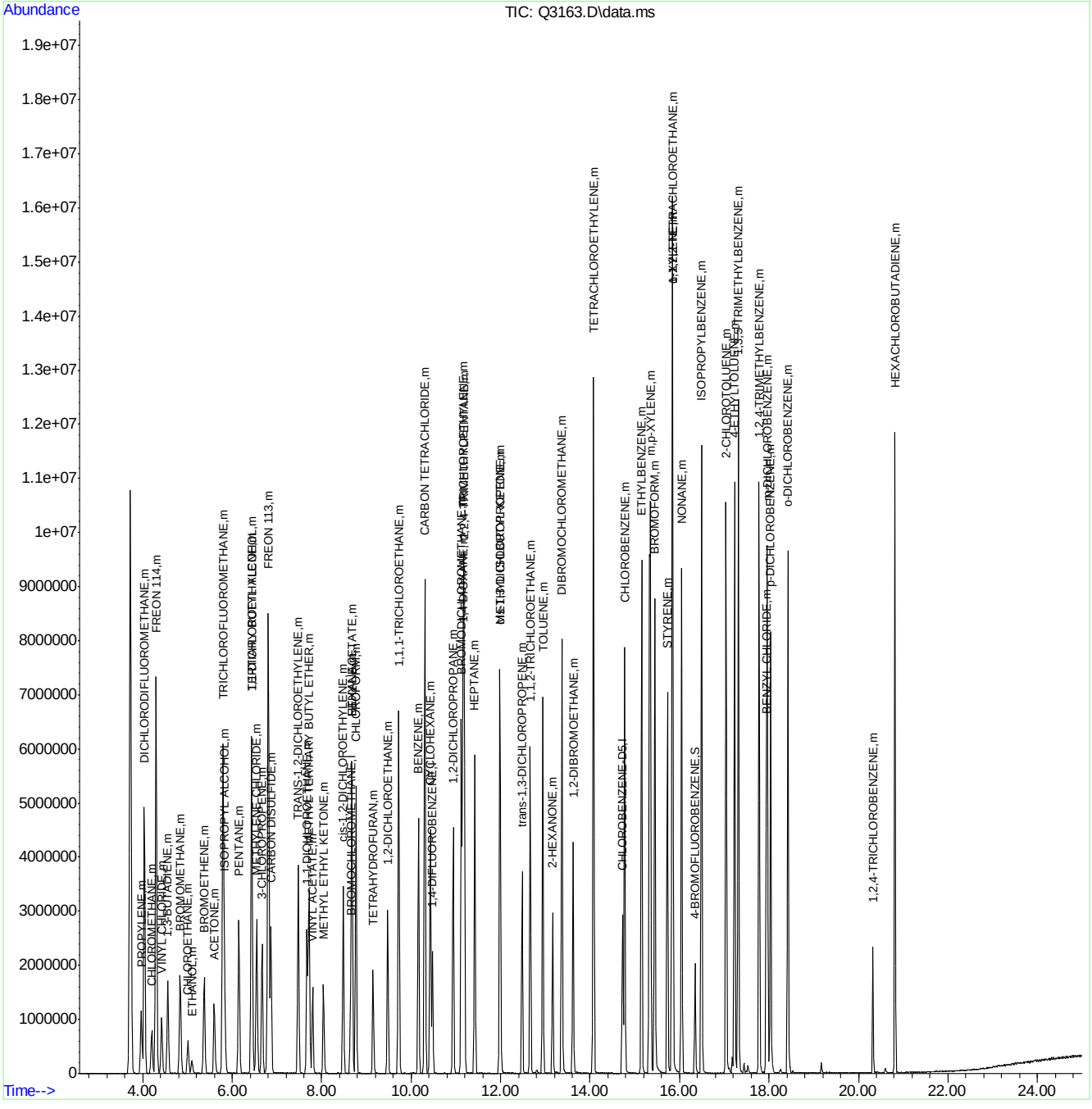
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.993	43	2742103	42.40	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.977	75	2179359	42.53	PPBV	99
46) TOLUENE	12.943	92	2496973	42.45	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.479	75	1694807	42.18	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.662	83	1348879	41.91	PPBV	100
50) 2-HEXANONE	13.161	43	1878928	42.93	PPBV	98
51) TETRACHLOROETHYLENE	14.075	164	2351871	43.78	PPBV	98
52) DIBROMOCHLOROMETHANE	13.369	129	3833457	43.87	PPBV	99
53) 1,2-DIBROMOETHANE	13.619	107	2499231	42.20	PPBV	99
54) CHLOROBENZENE	14.772	112	3547838	42.59	PPBV	99
55) ETHYLBENZENE	15.149	91	6229402	42.68	PPBV	99
56) m,p-XYLENE	15.346	106	4491013	85.40	PPBV	98
57) o-XYLENE	15.846	106	2324850	42.60	PPBV	99
58) STYRENE	15.726	104	3001170	42.48	PPBV	100
59) NONANE	16.045	43	3127752	43.17	PPBV	99
60) BROMOFORM	15.445	173	3864353	43.61	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.836	83	3941523	42.76	PPBV	99
63) ISOPROPYLBENZENE	16.492	105	7333680	42.69	PPBV	99
64) 2-CHLOROTOLUENE	17.041	91	5390456	42.55	PPBV	100
65) 4-ETHYLTOLUENE	17.229	105	6030303	42.96	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.314	105	6140237	42.68	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.777	105	5451554	42.85	PPBV	100
68) m-DICHLOROBENZENE	17.962	146	3207484	43.07	PPBV	99
69) BENZYL CHLORIDE	17.937	91	3136625	43.77	PPBV	100
70) p-DICHLOROBENZENE	18.036	146	2802975	42.71	PPBV	99
71) o-DICHLOROBENZENE	18.420	146	3215967	42.92	PPBV	99
72) HEXACHLOROBUTADIENE	20.814	225	1665362	40.46	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.324	180	527677	41.68	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3163.D
Acq On : 9 Apr 2007 1:30 pm
Operator : DANAT
Sample : ic169-40 (M020)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 09 14:58:34 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 14:57:40 2007
Response via : Initial Calibration



ACCUTEST Laboratories M63695

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3164.D
Acq On : 9 Apr 2007 2:12 pm
Operator : DANAT
Sample : ic169-20 (M020)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 09 14:57:28 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 14:56:08 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.640	128	346852	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	1673075	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	1549954	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.346	95	658735	4.79	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 95.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	3229390	20.89	PPBV	100
3) PROPYLENE	3.959	41	468655	21.99	PPBV	94
4) FREON 114	4.296	85	2677618	20.17	PPBV	97
5) CHLOROMETHANE	4.200	50	632013	21.66	PPBV	92
6) VINYL CHLORIDE	4.418	62	765195	21.60	PPBV	100
7) 1,3-BUTADIENE	4.557	39	598260	19.84	PPBV	98
8) BROMOMETHANE	4.834	94	831128	20.29	PPBV	100
9) CHLOROETHANE	5.007	64	303184	18.60	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.794	101	3223977	19.17	PPBV	99
11) ISOPROPYL ALCOHOL	5.822	45	1210848	19.87	PPBV	100
12) ACETONE	5.597	43	1116264	20.16	PPBV	97
13) PENTANE	6.147	42	660439	19.67	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.427	96	791139	19.03	PPBV	99
15) CARBON DISULFIDE	6.862	76	2296330	19.26	PPBV	100
16) ETHANOL	5.091	45	190230	21.13	PPBV	98
17) BROMOETHENE	5.375	106	812329	19.69	PPBV	98
18) METHYLENE CHLORIDE	6.543	84	669540	18.10	PPBV	98
19) 3-CHLOROPROPENE	6.663	39	714416	17.23	PPBV	98
20) FREON 113	6.804	151	1594920	17.80	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.471	96	667855	16.72	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.431	59	1657037	19.15	PPBV	100
23) METHYL TERTIARY BUTYL ...	7.712	73	1762744	19.24	PPBV	99
24) TETRAHYDROFURAN	9.143	42	534935	19.17	PPBV	97
25) HEXANE	8.674	57	823643	18.61	PPBV	99
26) VINYL ACETATE	7.797	43	1288661	19.20	PPBV	99
27) 1,1-DICHLOROETHANE	7.668	63	1239860	17.64	PPBV	99
28) METHYL ETHYL KETONE	8.035	43	1102113	19.15	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.477	96	634548	17.97	PPBV	99
30) ETHYL ACETATE	8.672	43	1772570	18.74	PPBV	100
31) CHLOROFORM	8.763	83	1809335	17.89	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.718	97	1939912	17.32	PPBV	100
33) CARBON TETRACHLORIDE	10.305	117	2443344	17.41	PPBV	100
34) 1,2-DICHLOROETHANE	9.475	62	1253931	17.68	PPBV	100
36) BENZENE	10.161	78	1690002	16.93	PPBV	99
37) CYCLOHEXANE	10.426	84	744601	18.11	PPBV	100
38) TRICHLOROETHYLENE	11.161	95	1047770	17.50	PPBV	99
39) 1,2-DICHLOROPROPANE	10.937	63	613758	18.22	PPBV	99
40) BROMODICHLOROMETHANE	11.120	83	1791317	17.17	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.184	57	2799011	16.97	PPBV	99
42) 1,4-DIOXANE	11.143	88	250994	17.48	PPBV	89
43) HEPTANE	11.420	43	991239	17.38	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3164.D
Acq On : 9 Apr 2007 2:12 pm
Operator : DANAT
Sample : ic169-20 (M020)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 09 14:57:28 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 14:56:08 2007
Response via : Initial Calibration

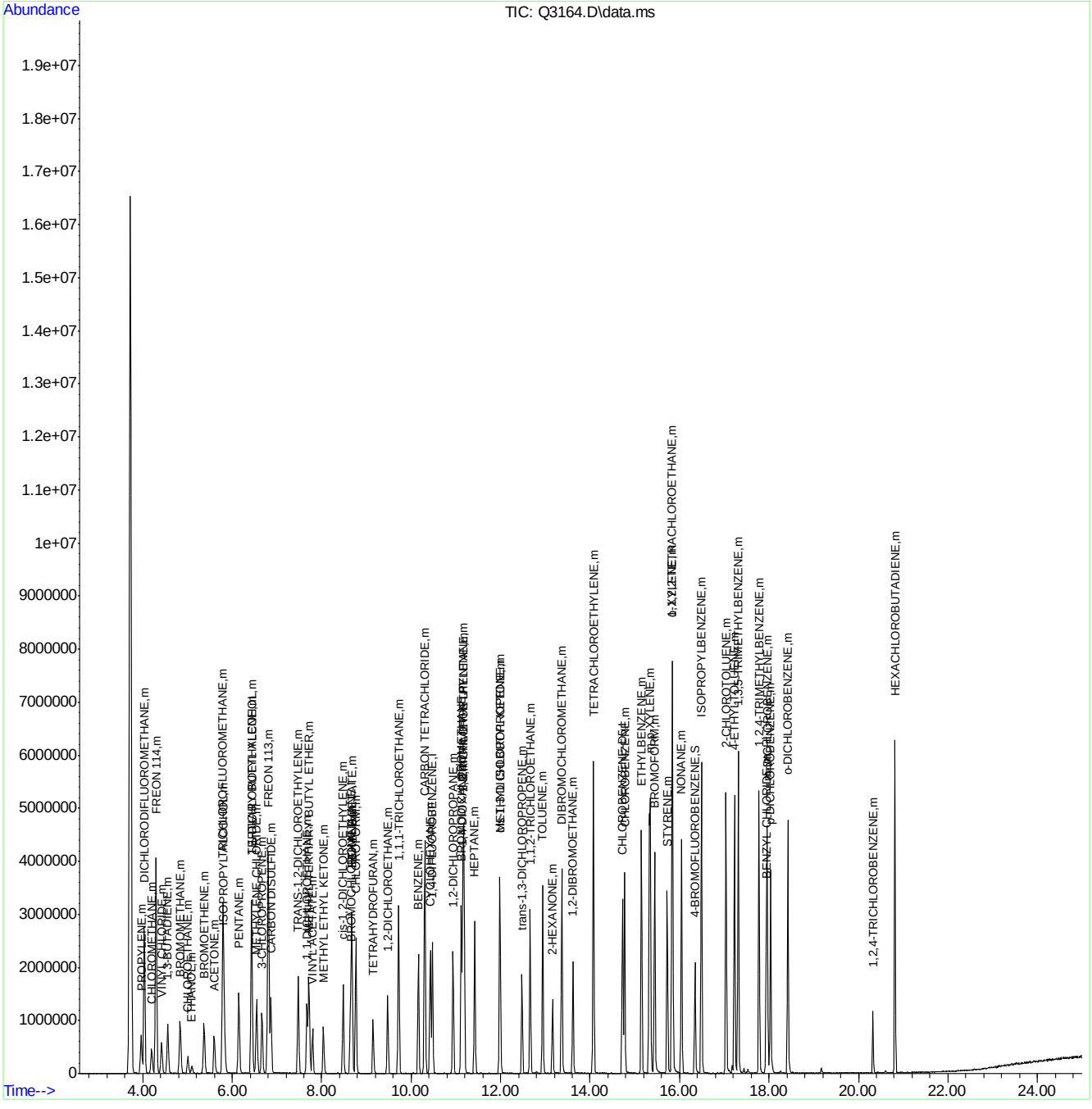
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.991	43	1366461	17.73	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.977	75	1079117	17.62	PPBV	98
46) TOLUENE	12.941	92	1241123	17.69	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.477	75	853966	17.93	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.660	83	689139	18.18	PPBV	99
50) 2-HEXANONE	13.159	43	907279	17.27	PPBV	98
51) TETRACHLOROETHYLENE	14.073	164	1088188	16.55	PPBV	99
52) DIBROMOCHLOROMETHANE	13.367	129	1765566	16.47	PPBV	99
53) 1,2-DIBROMOETHANE	13.617	107	1251914	17.91	PPBV	99
54) CHLOROBENZENE	14.767	112	1743186	17.57	PPBV	100
55) ETHYLBENZENE	15.149	91	3046108	17.49	PPBV	100
56) m,p-XYLENE	15.344	106	2194415	34.94	PPBV	95
57) o-XYLENE	15.844	106	1141346	17.56	PPBV	99
58) STYRENE	15.724	104	1482354	17.66	PPBV	100
59) NONANE	16.043	43	1492695	17.07	PPBV	100
60) BROMOFORM	15.441	173	1803435	16.69	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.830	83	1919955	17.42	PPBV	99
63) ISOPROPYLBENZENE	16.488	105	3584531	17.48	PPBV	99
64) 2-CHLOROTOLUENE	17.039	91	2653401	17.60	PPBV	99
65) 4-ETHYLTOLUENE	17.227	105	2908118	17.24	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.312	105	3003333	17.49	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.777	105	2643758	17.34	PPBV	100
68) m-DICHLOROBENZENE	17.960	146	1538469	17.15	PPBV	99
69) BENZYL CHLORIDE	17.937	91	1452355	16.56	PPBV	99
70) p-DICHLOROBENZENE	18.033	146	1368582	17.46	PPBV	99
71) o-DICHLOROBENZENE	18.419	146	1554153	17.28	PPBV	99
72) HEXACHLOROBUTADIENE	20.815	225	910106	19.54	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.322	180	271349	18.39	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3164.D
Acq On : 9 Apr 2007 2:12 pm
Operator : DANAT
Sample : ic169-20 (M020)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 09 14:57:28 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 14:56:08 2007
Response via : Initial Calibration



ACCUTEST Laboratories M63695

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3165.D
Acq On : 9 Apr 2007 2:55 pm
Operator : DANAT
Sample : icc169-10 (M020)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 09 15:28:51 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 14:58:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	297603	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	1369702	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	1196101	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.346	95	488670	4.70	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 94.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1534094	11.31	PPBV	100
3) PROPYLENE	3.960	41	222521	11.59	PPBV	91
4) FREON 114	4.294	85	1314174	11.49	PPBV	96
5) CHLOROMETHANE	4.198	50	303340	11.63	PPBV	90
6) VINYL CHLORIDE	4.424	62	367726	11.63	PPBV	99
7) 1,3-BUTADIENE	4.555	39	310563	12.05	PPBV	98
8) BROMOMETHANE	4.841	94	412585	11.65	PPBV	100
9) CHLOROETHANE	5.011	64	159128	11.79	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.792	101	1575293	11.15	PPBV	99
11) ISOPROPYL ALCOHOL	5.824	45	576872	11.07	PPBV	96
12) ACETONE	5.600	43	524520	11.00	PPBV	98
13) PENTANE	6.145	42	334393	11.70	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.431	96	382991	11.00	PPBV	97
15) CARBON DISULFIDE	6.866	76	1075054	10.71	PPBV	100
16) ETHANOL	5.100	45	89523	11.27	PPBV	98
17) BROMOETHENE	5.373	106	404638	11.52	PPBV	99
18) METHYLENE CHLORIDE	6.544	84	330439	10.93	PPBV	97
19) 3-CHLOROPROPENE	6.665	39	343348	10.37	PPBV	98
20) FREON 113	6.807	151	791843	10.90	PPBV	100
21) TRANS-1,2-DICHLOROETHY...	7.474	96	388493	12.35	PPBV	92
22) TERTIARY BUTYL ALCOHOL	6.431	59	782708	10.77	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.716	73	929419	12.05	PPBV	98
24) TETRAHYDROFURAN	9.146	42	246605	10.52	PPBV	97
25) HEXANE	8.678	57	407193	11.11	PPBV	99
26) VINYL ACETATE	7.794	43	638519	11.31	PPBV	99
27) 1,1-DICHLOROETHANE	7.671	63	667495	11.76	PPBV	98
28) METHYL ETHYL KETONE	8.039	43	521279	10.78	PPBV	90
29) cis-1,2-DICHLOROETHYLENE	8.482	96	306069	10.64	PPBV	96
30) ETHYL ACETATE	8.672	43	838514	10.67	PPBV	100
31) CHLOROFORM	8.761	83	870156	10.59	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.721	97	919935	10.26	PPBV	100
33) CARBON TETRACHLORIDE	10.305	117	1157597	10.28	PPBV	100
34) 1,2-DICHLOROETHANE	9.478	62	561590	9.80	PPBV	99
36) BENZENE	10.160	78	760143	10.08	PPBV	99
37) CYCLOHEXANE	10.426	84	356710	11.12	PPBV	97
38) TRICHLOROETHYLENE	11.161	95	474854	10.33	PPBV	99
39) 1,2-DICHLOROPROPANE	10.937	63	275027	10.44	PPBV	99
40) BROMODICHLOROMETHANE	11.120	83	795705	10.03	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.182	57	1306039	10.46	PPBV	100
42) 1,4-DIOXANE	11.150	88	111298	10.11	PPBV #	75
43) HEPTANE	11.420	43	472896	10.84	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3165.D
Acq On : 9 Apr 2007 2:55 pm
Operator : DANAT
Sample : icc169-10 (M020)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 09 15:28:51 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 14:58:42 2007
Response via : Initial Calibration

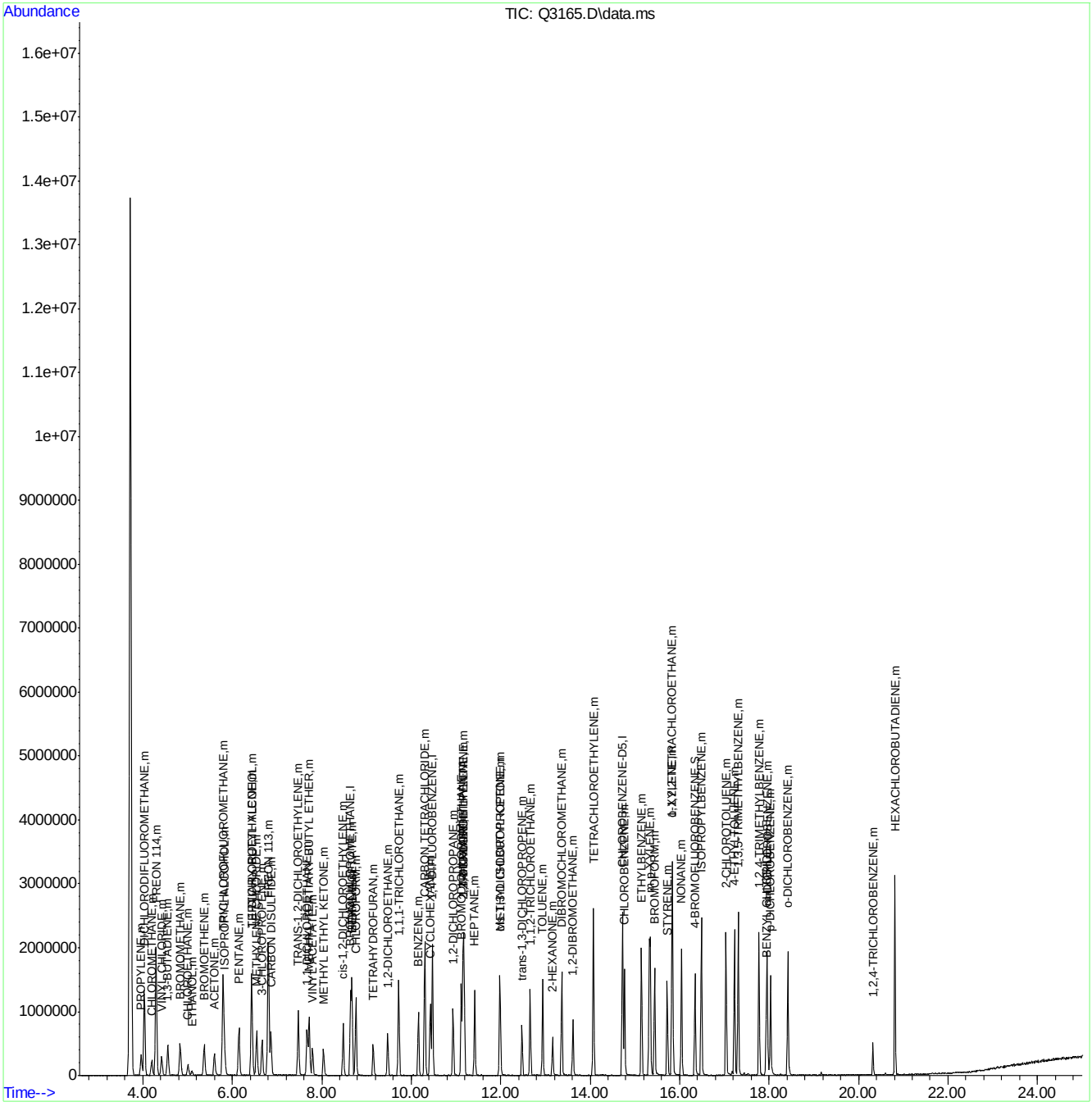
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.991	43	609660	10.24	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.977	75	453358	9.61	PPBV	99
46) TOLUENE	12.937	92	537669	9.93	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.477	75	349243	9.45	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.662	83	302320	10.21	PPBV	100
50) 2-HEXANONE	13.162	43	397204	10.51	PPBV	100
51) TETRACHLOROETHYLENE	14.073	164	475185	10.25	PPBV	98
52) DIBROMOCHLOROMETHANE	13.367	129	751820	9.97	PPBV	100
53) 1,2-DIBROMOETHANE	13.617	107	517463	10.12	PPBV	99
54) CHLOROBENZENE	14.769	112	753612	10.48	PPBV	100
55) ETHYLBENZENE	15.148	91	1315798	10.44	PPBV	99
56) m,p-XYLENE	15.342	106	947383	20.87	PPBV	100
57) o-XYLENE	15.844	106	487761	10.35	PPBV	100
58) STYRENE	15.723	104	614227	10.07	PPBV	99
59) NONANE	16.045	43	661400	10.57	PPBV	100
60) BROMOFORM	15.443	173	740326	9.68	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.830	83	814324	10.23	PPBV	98
63) ISOPROPYLBENZENE	16.488	105	1545872	10.42	PPBV	99
64) 2-CHLOROTOLUENE	17.037	91	1134803	10.38	PPBV	98
65) 4-ETHYLTOLUENE	17.227	105	1233017	10.18	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	1307647	10.53	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	1123196	10.23	PPBV	100
68) m-DICHLOROBENZENE	17.956	146	636479	9.90	PPBV	98
69) BENZYL CHLORIDE	17.935	91	551412	8.91	PPBV	99
70) p-DICHLOROBENZENE	18.032	146	569517	10.05	PPBV	100
71) o-DICHLOROBENZENE	18.419	146	649454	10.04	PPBV	99
72) HEXACHLOROBUTADIENE	20.815	225	445270	12.53	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.325	180	116790	10.69	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3165.D
Acq On : 9 Apr 2007 2:55 pm
Operator : DANAT
Sample : icc169-10 (M020)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 09 15:28:51 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 14:58:42 2007
Response via : Initial Calibration



ACCUTEST Laboratories M63695

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3166.D
Acq On : 9 Apr 2007 3:38 pm
Operator : DANAT
Sample : ic169-5 (M020)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 09 16:11:56 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 15:30:25 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	333305	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	1585997	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	1359183	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.345	95	547840	4.73	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 94.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	968307	6.11	PPBV	100
3) PROPYLENE	3.957	41	138350	6.11	PPBV	88
4) FREON 114	4.296	85	747860	5.56	PPBV	99
5) CHLOROMETHANE	4.196	50	180666	5.87	PPBV	94
6) VINYL CHLORIDE	4.422	62	216230	5.79	PPBV	99
7) 1,3-BUTADIENE	4.557	39	156079	5.06	PPBV	97
8) BROMOMETHANE	4.835	94	230610	5.51	PPBV	98
9) CHLOROETHANE	5.009	64	72459	4.52	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.792	101	918229	5.59	PPBV	99
11) ISOPROPYL ALCOHOL	5.833	45	280894	4.65	PPBV	98
12) ACETONE	5.604	43	262301	4.75	PPBV	99
13) PENTANE	6.147	42	186849	5.53	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.433	96	215888	5.36	PPBV	99
15) CARBON DISULFIDE	6.862	76	638197	5.54	PPBV	99
16) ETHANOL	5.100	45	46498	5.01	PPBV	96
17) BROMOETHENE	5.369	106	221855	5.37	PPBV	99
18) METHYLENE CHLORIDE	6.548	84	171984	4.93	PPBV	98
19) 3-CHLOROPROPENE	6.670	39	173547	4.62	PPBV	98
20) FREON 113	6.812	151	409861	4.89	PPBV	100
21) TRANS-1,2-DICHLOROETHY...	7.478	96	202084	5.32	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.436	59	382692	4.58	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.719	73	444734	4.82	PPBV	98
24) TETRAHYDROFURAN	9.152	42	119926	4.49	PPBV	97
25) HEXANE	8.678	57	209742	4.93	PPBV	99
26) VINYL ACETATE	7.799	43	300102	4.55	PPBV	97
27) 1,1-DICHLOROETHANE	7.675	63	337317	5.01	PPBV	99
28) METHYL ETHYL KETONE	8.039	43	249100	4.48	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.482	96	150995	4.59	PPBV	96
30) ETHYL ACETATE	8.674	43	405463	4.51	PPBV	100
31) CHLOROFORM	8.766	83	430170	4.58	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.721	97	460023	4.54	PPBV	99
33) CARBON TETRACHLORIDE	10.303	117	590136	4.64	PPBV	99
34) 1,2-DICHLOROETHANE	9.475	62	300915	4.72	PPBV	99
36) BENZENE	10.163	78	391904	4.47	PPBV	100
37) CYCLOHEXANE	10.428	84	188245	4.89	PPBV	97
38) TRICHLOROETHYLENE	11.161	95	237888	4.42	PPBV	99
39) 1,2-DICHLOROPROPANE	10.935	63	141815	4.58	PPBV	99
40) BROMODICHLOROMETHANE	11.123	83	401715	4.37	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.182	57	629785	4.29	PPBV	100
42) 1,4-DIOXANE	11.150	88	51885	4.05	PPBV	94
43) HEPTANE	11.418	43	225037	4.33	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3166.D
Acq On : 9 Apr 2007 3:38 pm
Operator : DANAT
Sample : ic169-5 (M020)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 09 16:11:56 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 15:30:25 2007
Response via : Initial Calibration

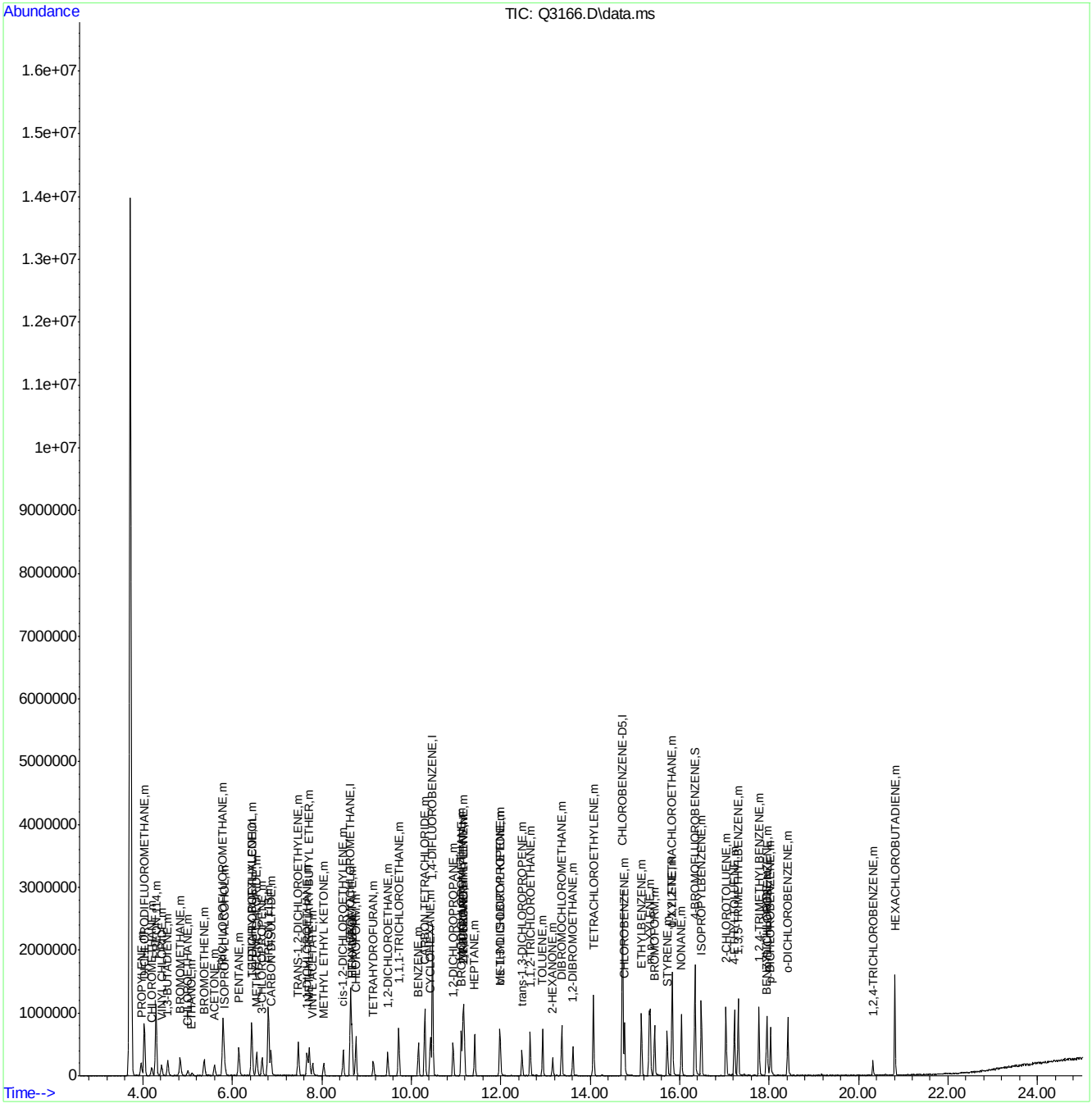
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.995	43	283960	4.09	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.975	75	223463	4.15	PPBV	99
46) TOLUENE	12.941	92	267581	4.28	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.477	75	168398	4.01	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.664	83	152901	4.43	PPBV	99
50) 2-HEXANONE	13.161	43	175644	4.02	PPBV	100
51) TETRACHLOROETHYLENE	14.071	164	227836	4.29	PPBV	99
52) DIBROMOCHLOROMETHANE	13.368	129	370936	4.33	PPBV	99
53) 1,2-DIBROMOETHANE	13.615	107	269160	4.61	PPBV	100
54) CHLOROBENZENE	14.769	112	380697	4.59	PPBV	99
55) ETHYLBENZENE	15.147	91	635632	4.38	PPBV	100
56) m,p-XYLENE	15.340	106	464861	8.88	PPBV	95
57) o-XYLENE	15.842	106	231212	4.27	PPBV	97
58) STYRENE	15.724	104	287960	4.15	PPBV	100
59) NONANE	16.043	43	317658	4.39	PPBV	98
60) BROMOFORM	15.440	173	342409	3.98	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.832	83	394846	4.33	PPBV	99
63) ISOPROPYLBENZENE	16.485	105	740481	4.33	PPBV	100
64) 2-CHLOROTOLUENE	17.039	91	545969	4.34	PPBV	99
65) 4-ETHYLTOLUENE	17.227	105	571275	4.12	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	603192	4.20	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.777	105	522944	4.16	PPBV	99
68) m-DICHLOROBENZENE	17.960	146	313721	4.31	PPBV	99
69) BENZYL CHLORIDE	17.937	91	238251	3.52	PPBV	99
70) p-DICHLOROBENZENE	18.034	146	283297	4.39	PPBV	99
71) o-DICHLOROBENZENE	18.419	146	315689	4.29	PPBV	100
72) HEXACHLOROBUTADIENE	20.814	225	219489	5.01	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.327	180	54423	4.28	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3166.D
Acq On : 9 Apr 2007 3:38 pm
Operator : DANAT
Sample : ic169-5 (M020)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 09 16:11:56 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 15:30:25 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3167.D
Acq On : 9 Apr 2007 4:21 pm
Operator : DANAT
Sample : ic169-2 (M132)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 09 16:50:33 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 16:12:05 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	292172	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	1364723	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	1185569	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.343	95	464608	4.67	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 93.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	332354	2.27	PPBV	98
3) PROPYLENE	3.960	41	43194	2.06	PPBV	90
4) FREON 114	4.292	85	264573	2.18	PPBV	97
5) CHLOROMETHANE	4.198	50	58575	2.08	PPBV	93
6) VINYL CHLORIDE	4.420	62	68479	2.01	PPBV	94
7) 1,3-BUTADIENE	4.553	39	58007	2.14	PPBV	96
8) BROMOMETHANE	4.834	94	79869	2.12	PPBV	100
9) CHLOROETHANE	5.013	64	32529	2.37	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.794	101	324470	2.19	PPBV	99
11) ISOPROPYL ALCOHOL	5.829	45	145857	2.80	PPBV	97
12) ACETONE	5.604	43	150729	3.15	PPBV	97
13) PENTANE	6.147	42	69578	2.29	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.431	96	75674	2.11	PPBV	98
15) CARBON DISULFIDE	6.862	76	216870	2.09	PPBV	96
16) ETHANOL	5.096	45	27707	3.41	PPBV	95
17) BROMOETHENE	5.368	106	76545	2.07	PPBV	98
18) METHYLENE CHLORIDE	6.546	84	150532	4.94	PPBV	98
19) 3-CHLOROPROPENE	6.665	39	74064	2.29	PPBV	98
20) FREON 113	6.805	151	182639	2.50	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.476	96	68841	2.03	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.438	59	152655	2.13	PPBV	95
23) METHYL TERTIARY BUTYL ...	7.719	73	153651	1.92	PPBV	95
24) TETRAHYDROFURAN	9.153	42	46925	2.06	PPBV	95
25) HEXANE	8.676	57	102360	2.75	PPBV	94
26) VINYL ACETATE	7.796	43	116813	2.07	PPBV	97
27) 1,1-DICHLOROETHANE	7.673	63	129319	2.19	PPBV	99
28) METHYL ETHYL KETONE	8.042	43	123098	2.59	PPBV	91
29) cis-1,2-DICHLOROETHYLENE	8.479	96	59106	2.09	PPBV	94
30) ETHYL ACETATE	8.674	43	194109	2.52	PPBV	97
31) CHLOROFORM	8.765	83	194881	2.42	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.718	97	198209	2.28	PPBV	99
33) CARBON TETRACHLORIDE	10.302	117	227766	2.08	PPBV	96
34) 1,2-DICHLOROETHANE	9.476	62	125125	2.27	PPBV	98
36) BENZENE	10.161	78	163900	2.23	PPBV	99
37) CYCLOHEXANE	10.428	84	65548	1.99	PPBV	99
38) TRICHLOROETHYLENE	11.159	95	98572	2.19	PPBV	98
39) 1,2-DICHLOROPROPANE	10.935	63	55385	2.12	PPBV	97
40) BROMODICHLOROMETHANE	11.122	83	166541	2.17	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.180	57	280219	2.30	PPBV	99
42) 1,4-DIOXANE	11.148	88	30770	2.93	PPBV #	82
43) HEPTANE	11.416	43	94593	2.19	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3167.D
Acq On : 9 Apr 2007 4:21 pm
Operator : DANAT
Sample : ic169-2 (M132)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 09 16:50:33 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 16:12:05 2007
Response via : Initial Calibration

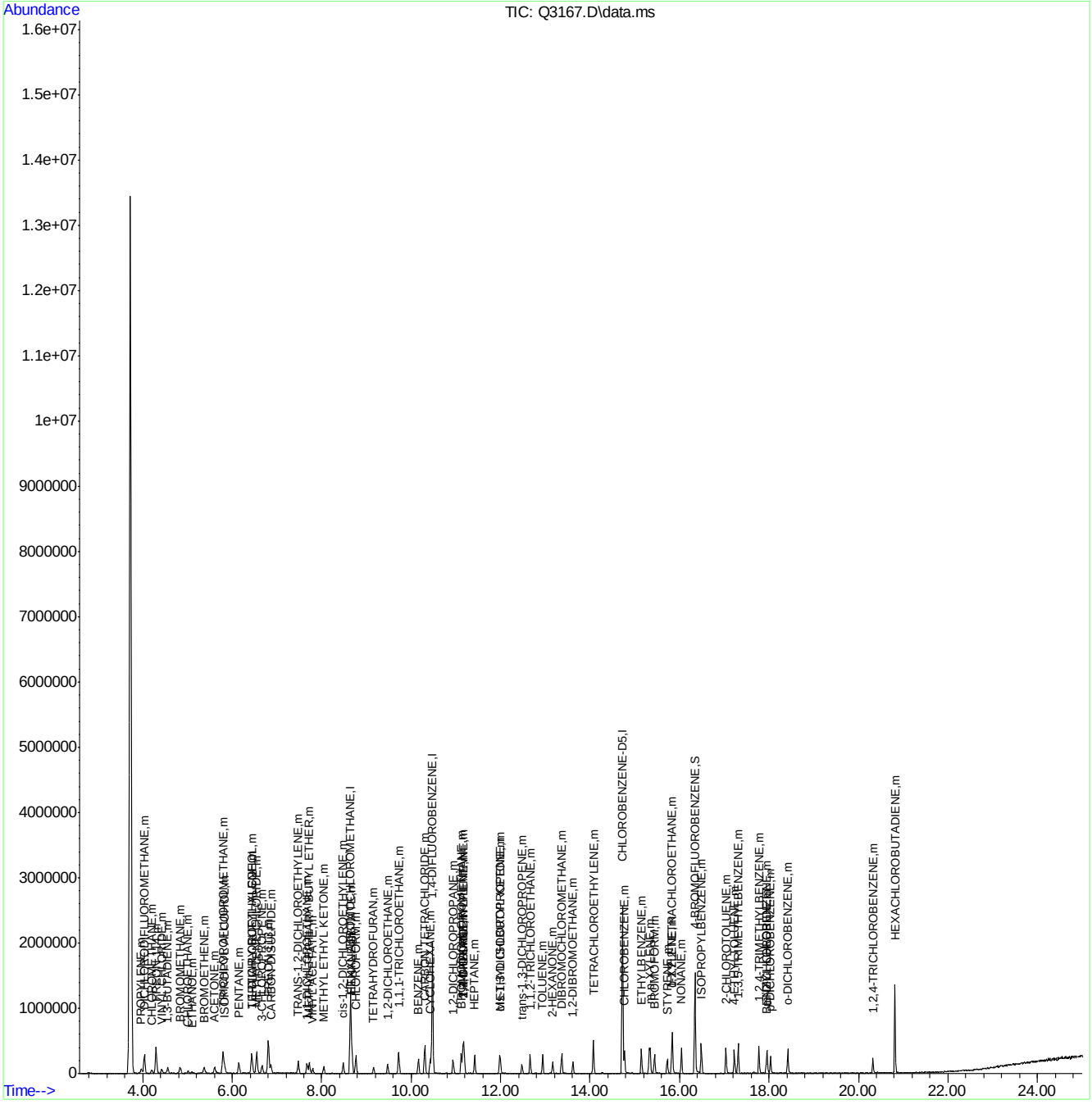
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.995	43	124490	2.18 PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.975	75	82019	1.85 PPBV	94
46) TOLUENE	12.937	92	101024	1.95 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.476	75	62348	1.81 PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.662	83	59933	2.08 PPBV	99
50) 2-HEXANONE	13.159	43	111917	3.09 PPBV	97
51) TETRACHLOROETHYLENE	14.071	164	92984	2.08 PPBV	98
52) DIBROMOCHLOROMETHANE	13.363	129	145294	2.01 PPBV	99
53) 1,2-DIBROMOETHANE	13.617	107	108457	2.17 PPBV	97
54) CHLOROBENZENE	14.767	112	147170	2.08 PPBV	99
55) ETHYLBENZENE	15.147	91	222202	1.81 PPBV	99
56) m,p-XYLENE	15.340	106	160108	3.61 PPBV	90
57) o-XYLENE	15.841	106	87582	1.92 PPBV	96
58) STYRENE	15.722	104	94419	1.63 PPBV	98
59) NONANE	16.043	43	125602	2.05 PPBV	99
60) BROMOFORM	15.441	173	121956	1.71 PPBV	96
62) 1,1,2,2-TETRACHLOROETHANE	15.826	83	155353	2.02 PPBV	97
63) ISOPROPYLBENZENE	16.485	105	272704	1.89 PPBV	98
64) 2-CHLOROTOLUENE	17.033	91	197870	1.86 PPBV	99
65) 4-ETHYLTOLUENE	17.225	105	191340	1.66 PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	222014	1.85 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.777	105	199620	1.90 PPBV	99
68) m-DICHLOROBENZENE	17.953	146	114427	1.87 PPBV	99
69) BENZYL CHLORIDE	17.937	91	85375	1.56 PPBV	98
70) p-DICHLOROBENZENE	18.031	146	97919	1.80 PPBV	90
71) o-DICHLOROBENZENE	18.421	146	120735	1.95 PPBV	99
72) HEXACHLOROBUTADIENE	20.815	225	189195	4.95 PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.320	180	52622	4.93 PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3167.D
Acq On : 9 Apr 2007 4:21 pm
Operator : DANAT
Sample : ic169-2 (M132)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 09 16:50:33 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 16:12:05 2007
Response via : Initial Calibration



ACCUTEST Laboratories M63695

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/11/07 11:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3168.D
Acq On : 9 Apr 2007 5:04 pm
Operator : DANAT
Sample : ic169-0.5 (M132)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 09 17:43:26 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 16:52:15 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	286415	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	1405494	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	1198048	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.343	95	447931	4.51	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 90.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	93551	0.63	PPBV	98
3) PROPYLENE	3.973	41	11982	0.58	PPBV #	63
4) FREON 114	4.296	85	69378	0.57	PPBV	98
5) CHLOROMETHANE	4.202	50	14890	0.54	PPBV	83
6) VINYL CHLORIDE	4.429	62	18855	0.56	PPBV	94
7) 1,3-BUTADIENE	4.562	39	14720	0.55	PPBV	88
8) BROMOMETHANE	4.834	94	20662	0.55	PPBV	96
9) CHLOROETHANE	5.008	64	6882	0.49	PPBV	93
10) TRICHLOROFLUOROMETHANE	5.790	101	91108	0.62	PPBV	99
11) ISOPROPYL ALCOHOL	5.835	45	39969	0.73	PPBV	94
12) ACETONE	5.611	43	43599	0.83	PPBV	84
13) PENTANE	6.154	42	19940	0.65	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.429	96	21316	0.60	PPBV	99
15) CARBON DISULFIDE	6.866	76	54522	0.53	PPBV	93
16) ETHANOL	5.103	45	7529	0.83	PPBV #	54
17) BROMOETHENE	5.371	106	20507	0.56	PPBV	96
18) METHYLENE CHLORIDE	6.546	84	42512	Below Cal		98
19) 3-CHLOROPROPENE	6.671	39	18996	0.58	PPBV	89
20) FREON 113	6.804	151	46071	0.61	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.474	96	15359	0.46	PPBV	92
22) TERTIARY BUTYL ALCOHOL	6.447	59	32899	0.46	PPBV	90
23) METHYL TERTIARY BUTYL ...	7.723	73	34746	0.45	PPBV	92
24) TETRAHYDROFURAN	9.166	42	10462	0.47	PPBV	91
25) HEXANE	8.678	57	26449	0.67	PPBV	89
26) VINYL ACETATE	7.798	43	25342	0.45	PPBV	97
27) 1,1-DICHLOROETHANE	7.677	63	27967	0.47	PPBV	99
28) METHYL ETHYL KETONE	8.048	43	27277	0.55	PPBV	85
29) cis-1,2-DICHLOROETHYLENE	8.479	96	13424	0.48	PPBV	91
30) ETHYL ACETATE	8.680	43	46916	0.59	PPBV	98
31) CHLOROFORM	8.765	83	46137	0.56	PPBV	94
32) 1,1,1-TRICHLOROETHANE	9.720	97	49734	0.57	PPBV	99
33) CARBON TETRACHLORIDE	10.304	117	56450	0.52	PPBV	98
34) 1,2-DICHLOROETHANE	9.475	62	30745	0.55	PPBV	97
36) BENZENE	10.163	78	38648	0.50	PPBV	97
37) CYCLOHEXANE	10.426	84	15193	0.45	PPBV	90
38) TRICHLOROETHYLENE	11.157	95	23155	0.49	PPBV	98
39) 1,2-DICHLOROPROPANE	10.935	63	14167	0.52	PPBV	98
40) BROMODICHLOROMETHANE	11.118	83	38637	0.48	PPBV	96
41) 2,2,4-TRIMETHYLPENTANE	11.187	57	61650	0.48	PPBV #	52
42) 1,4-DIOXANE	11.168	88	6680	0.57	PPBV #	1
43) HEPTANE	11.425	43	20523	0.45	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3168.D
Acq On : 9 Apr 2007 5:04 pm
Operator : DANAT
Sample : ic169-0.5 (M132)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 09 17:43:26 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 16:52:15 2007
Response via : Initial Calibration

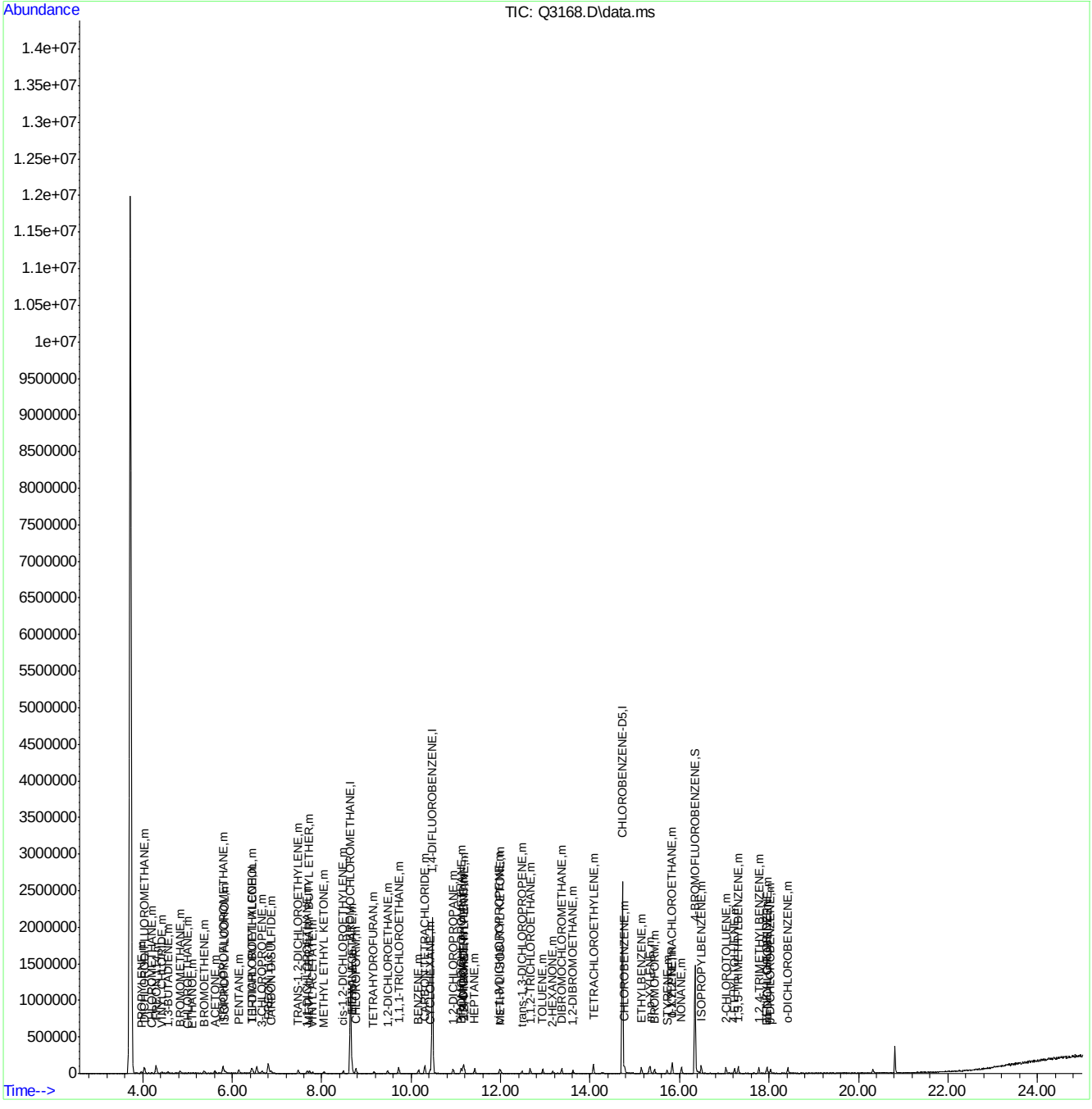
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.000	43	23758	0.40 PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.970	75	18479	0.41 PPBV	96
46) TOLUENE	12.941	92	21530	0.41 PPBV	88
47) trans-1,3-DICHLOROPROPENE	12.476	75	13992	0.40 PPBV	93
48) 1,1,2-TRICHLOROETHANE	12.657	83	15103	0.50 PPBV	98
50) 2-HEXANONE	13.157	43	20840	0.51 PPBV	91
51) TETRACHLOROETHYLENE	14.066	164	23557	0.52 PPBV	95
52) DIBROMOCHLOROMETHANE	13.365	129	32735	0.45 PPBV	96
53) 1,2-DIBROMOETHANE	13.613	107	26524	0.52 PPBV	100
54) CHLOROBENZENE	14.764	112	33958	0.47 PPBV	95
55) ETHYLBENZENE	15.149	91	46768	0.38 PPBV	95
56) m,p-XYLENE	15.337	106	36224m	0.82 PPBV	
57) o-XYLENE	15.839	106	18092	0.40 PPBV	95
58) STYRENE	15.725	104	19522	0.35 PPBV	90
59) NONANE	16.045	43	24439	0.39 PPBV #	61
60) BROMOFORM	15.443	173	26993	0.39 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.827	83	34987	0.45 PPBV	95
63) ISOPROPYLBENZENE	16.483	105	59336	0.41 PPBV	98
64) 2-CHLOROTOLUENE	17.037	91	40490	0.38 PPBV	97
65) 4-ETHYLTOLUENE	17.223	105	40340	0.36 PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.314	105	44156	0.37 PPBV	95
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	36013	0.34 PPBV	97
68) m-DICHLOROBENZENE	17.955	146	24643	0.40 PPBV	91
69) BENZYL CHLORIDE	17.937	91	15086	0.29 PPBV	93
70) p-DICHLOROBENZENE	18.034	146	19830	0.37 PPBV	97
71) o-DICHLOROBENZENE	18.418	146	27311	0.44 PPBV	99
72) HEXACHLOROBUTADIENE	20.812	225	48266	Below Cal	98
73) 1,2,4-TRICHLOROBENZENE	20.326	180	13576	Below Cal	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3168.D
Acq On : 9 Apr 2007 5:04 pm
Operator : DANAT
Sample : ic169-0.5 (M132)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 09 17:43:26 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 16:52:15 2007
Response via : Initial Calibration

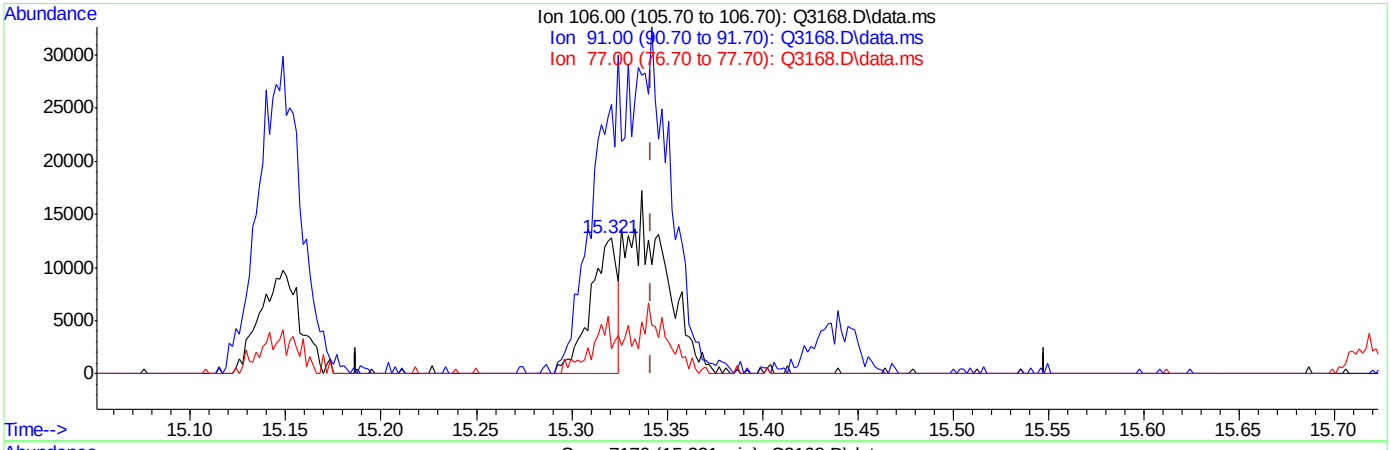


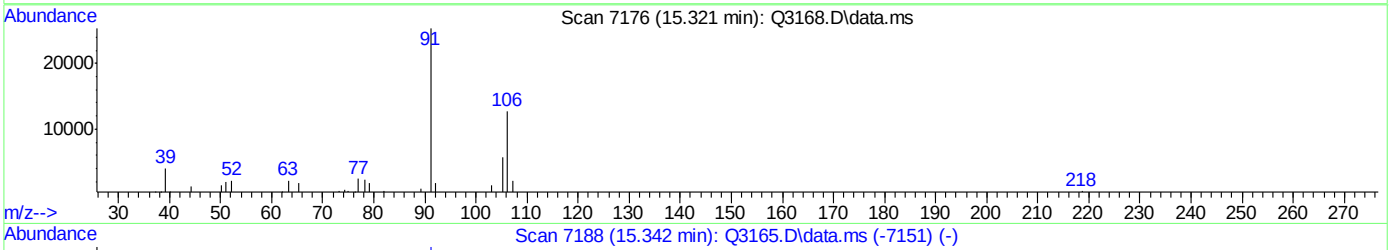
ACCUTEST Laboratories M63695

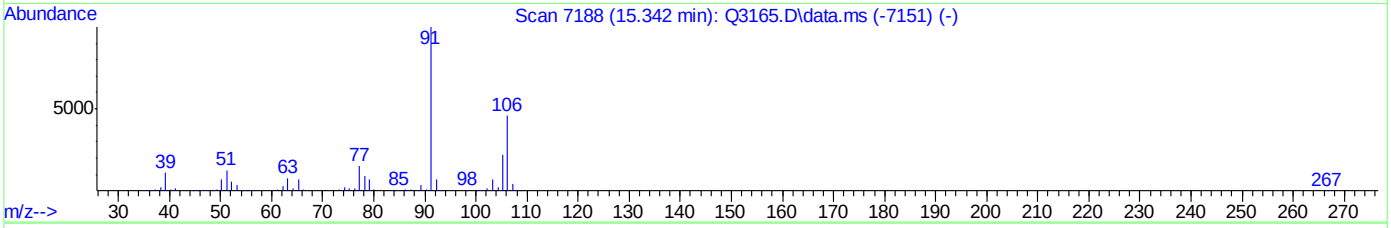
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3168.D
Acq On : 9 Apr 2007 5:04 pm
Operator : DANAT
Sample : ic169-0.5 (M132)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 09 17:42:08 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 16:52:15 2007
Response via : Initial Calibration







TIC: Q3168.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.021) 0.28PPBV

response 12446

Ion	Exp%	Act%
106.00	100	100
91.00	219.40	198.19
77.00	32.60	18.77#
0.00	0.00	0.00

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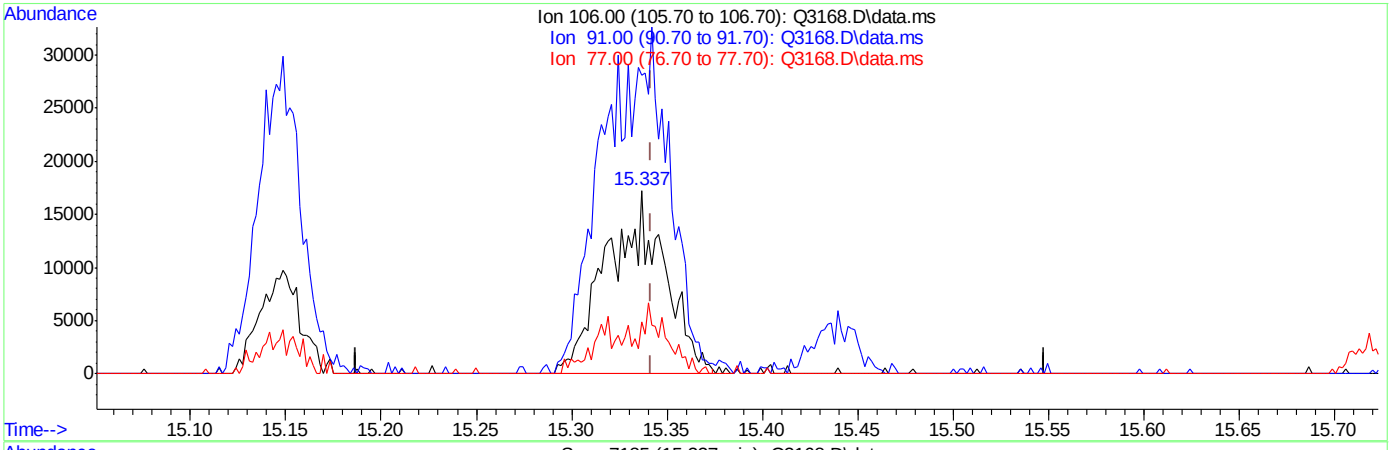
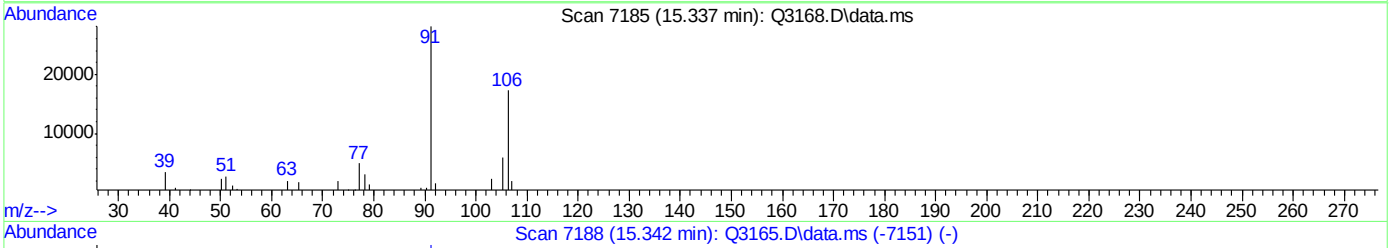
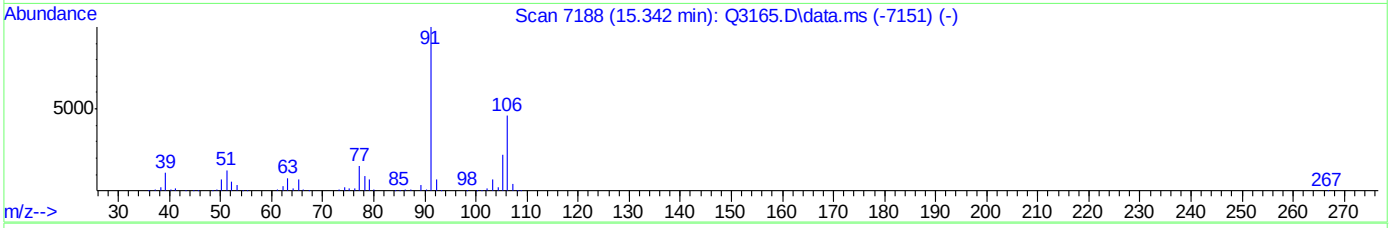
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3168.D
Acq On : 9 Apr 2007 5:04 pm
Operator : DANAT
Sample : ic169-0.5 (M132)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 09 17:42:08 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 16:52:15 2007
Response via : Initial Calibration







TIC: Q3168.D\data.ms

(56) m,p-XYLENE (m)

15.337min (-0.005) 0.82PPBV m

response 36224

Ion	Exp%	Act%
106.00	100	100
91.00	219.40	162.70#
77.00	32.60	28.60
0.00	0.00	0.00

ACCUTEST Laboratories M63695

Q3169.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 04/11/07 11:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3169.D
Acq On : 9 Apr 2007 5:46 pm
Operator : DANAT
Sample : ic169-0.2 (M132)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 09 18:20:45 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 17:44:03 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	253682	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	1209330	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	1045310	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.345	95	380013	4.46	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 89.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	34672	0.25	PPBV	97
3) PROPYLENE	3.980	41	4431	0.24	PPBV #	77
4) FREON 114	4.294	85	23225	0.21	PPBV	100
5) CHLOROMETHANE	4.204	50	5811	0.23	PPBV #	63
6) VINYL CHLORIDE	4.422	62	5090	0.17	PPBV	76
7) 1,3-BUTADIENE	4.548	39	5200	0.21	PPBV #	75
8) BROMOMETHANE	4.850	94	6743	0.20	PPBV #	12
9) CHLOROETHANE	5.013	64	2294	0.19	PPBV	87
10) TRICHLOROFLUOROMETHANE	5.796	101	32675	0.24	PPBV	96
11) ISOPROPYL ALCOHOL	5.842	45	18599	0.35	PPBV #	58
12) ACETONE	5.604	43	20451	Below Cal		86
13) PENTANE	6.159	42	8090	0.28	PPBV	91
14) 1,1-DICHLOROETHYLENE	6.438	96	7646	0.23	PPBV	98
15) CARBON DISULFIDE	6.860	76	19015	0.21	PPBV	94
16) ETHANOL	5.086	45	1514	Below Cal		86
17) BROMOETHENE	5.370	106	7156	0.22	PPBV #	91
18) METHYLENE CHLORIDE	6.539	84	23119	Below Cal		98
19) 3-CHLOROPROPENE	6.663	39	5878	0.20	PPBV #	72
20) FREON 113	6.809	151	14683	0.21	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.469	96	5606	0.19	PPBV	92
22) TERTIARY BUTYL ALCOHOL	6.449	59	15510	0.25	PPBV	96
23) METHYL TERTIARY BUTYL ...	7.725	73	11480	0.17	PPBV	83
24) TETRAHYDROFURAN	9.161	42	3025	0.15	PPBV #	81
25) HEXANE	8.676	57	10107	0.28	PPBV #	83
26) VINYL ACETATE	7.799	43	9056	0.19	PPBV #	84
27) 1,1-DICHLOROETHANE	7.679	63	11125	0.21	PPBV	95
28) METHYL ETHYL KETONE	8.062	43	11045	0.25	PPBV	80
29) cis-1,2-DICHLOROETHYLENE	8.481	96	4954	0.20	PPBV	91
30) ETHYL ACETATE	8.681	43	16275	0.22	PPBV #	95
31) CHLOROFORM	8.759	83	17532	0.24	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.716	97	17944	0.23	PPBV	100
33) CARBON TETRACHLORIDE	10.298	117	21074	0.22	PPBV	98
34) 1,2-DICHLOROETHANE	9.484	62	11263	0.23	PPBV	80
36) BENZENE	10.165	78	14530	0.22	PPBV	98
37) CYCLOHEXANE	10.421	84	5156	0.18	PPBV #	78
38) TRICHLOROETHYLENE	11.163	95	8085	0.20	PPBV	91
39) 1,2-DICHLOROPROPANE	10.942	63	5201	0.22	PPBV #	79
40) BROMODICHLOROMETHANE	11.116	83	14029	0.20	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.186	57	19720	0.18	PPBV	91
42) 1,4-DIOXANE	11.159	88	1450	0.14	PPBV #	74
43) HEPTANE	11.423	43	6689	0.17	PPBV	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3169.D
Acq On : 9 Apr 2007 5:46 pm
Operator : DANAT
Sample : ic169-0.2 (M132)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 09 18:20:45 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 17:44:03 2007
Response via : Initial Calibration

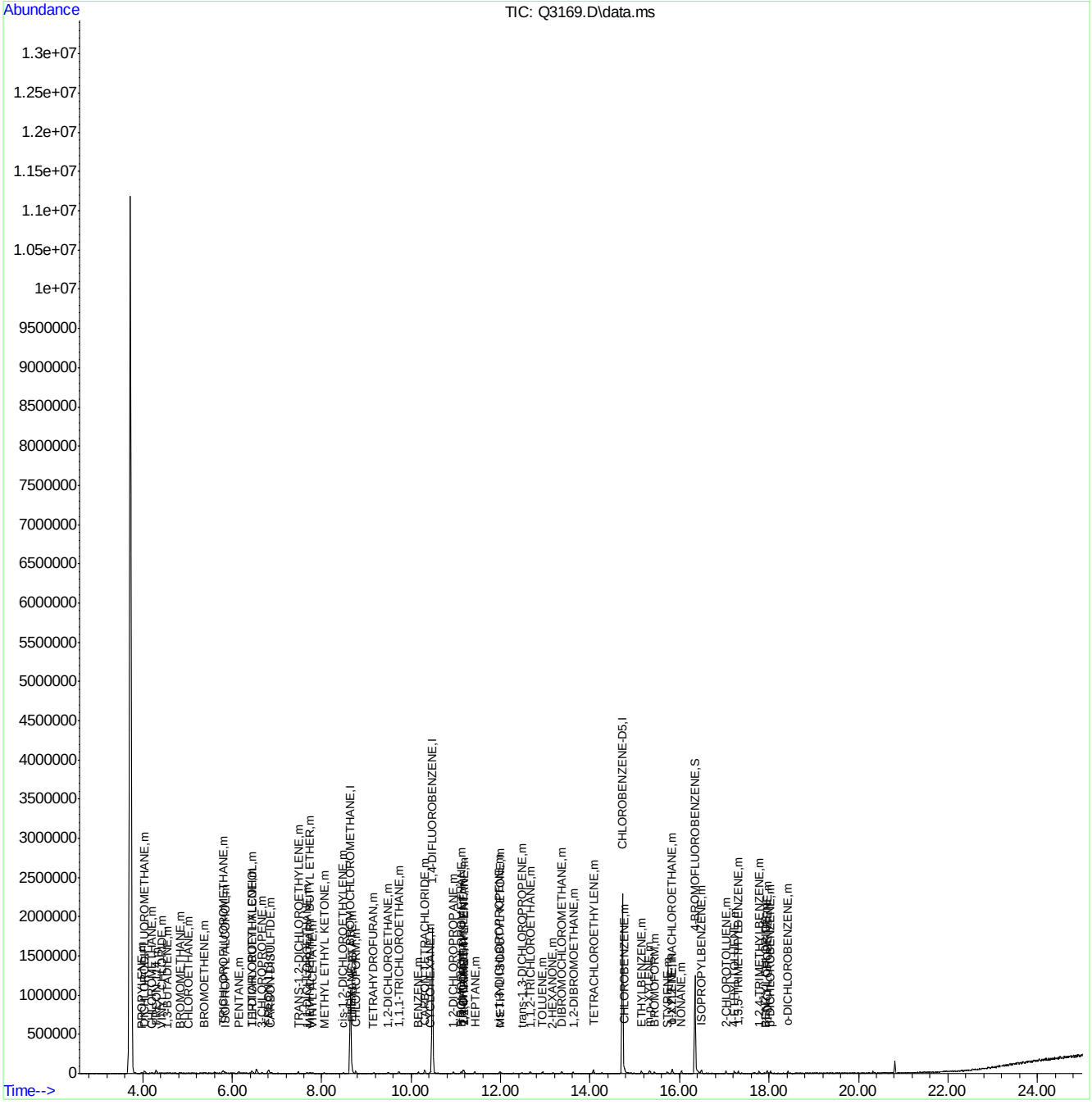
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.002	43	8777	0.18 PPBV	92
45) cis-1,3-DICHLOROPROPENE	11.975	75	6877	0.18 PPBV	88
46) TOLUENE	12.937	92	9541	0.22 PPBV #	82
47) trans-1,3-DICHLOROPROPENE	12.472	75	5672	0.20 PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.659	83	5818	0.23 PPBV	91
50) 2-HEXANONE	13.161	43	7034	0.20 PPBV	96
51) TETRACHLOROETHYLENE	14.075	164	7593	0.19 PPBV	86
52) DIBROMOCHLOROMETHANE	13.360	129	11897	0.19 PPBV	96
53) 1,2-DIBROMOETHANE	13.621	107	10422	0.23 PPBV #	93
54) CHLOROBENZENE	14.769	112	14563	0.23 PPBV	96
55) ETHYLBENZENE	15.149	91	18307	0.18 PPBV	99
56) m,p-XYLENE	15.316	106	11954m	0.32 PPBV	
57) o-XYLENE	15.841	106	6885	0.18 PPBV	94
58) STYRENE	15.720	104	6961	0.15 PPBV	92
59) NONANE	16.038	43	8616	0.16 PPBV	92
60) BROMOFORM	15.440	173	9842	0.17 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.827	83	12934	0.19 PPBV	88
63) ISOPROPYLBENZENE	16.490	105	22490	0.18 PPBV	98
64) 2-CHLOROTOLUENE	17.041	91	15460	0.17 PPBV	98
65) 4-ETHYLTOLUENE	17.232	105	14815	0.16 PPBV #	96
66) 1,3,5-TRIMETHYLBENZENE	17.312	105	15559	0.16 PPBV	95
67) 1,2,4-TRIMETHYLBENZENE	17.774	105	13254	0.15 PPBV	98
68) m-DICHLOROBENZENE	17.956	146	9287	0.18 PPBV	92
69) BENZYL CHLORIDE	17.924	91	5637	0.13 PPBV	90
70) p-DICHLOROBENZENE	18.027	146	8701	0.19 PPBV	96
71) o-DICHLOROBENZENE	18.421	146	8928	0.17 PPBV	92
72) HEXACHLOROBUTADIENE	20.816	225	20346	Below Cal	95
73) 1,2,4-TRICHLOROBENZENE	20.320	180	4876	Below Cal	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3169.D
Acq On : 9 Apr 2007 5:46 pm
Operator : DANAT
Sample : ic169-0.2 (M132)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 09 18:20:45 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 17:44:03 2007
Response via : Initial Calibration

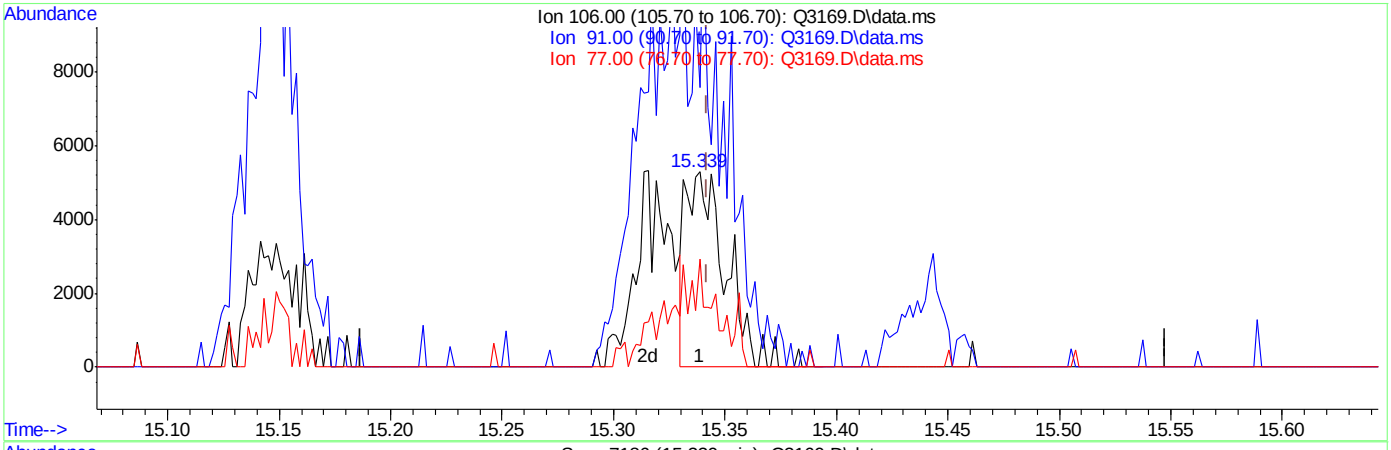


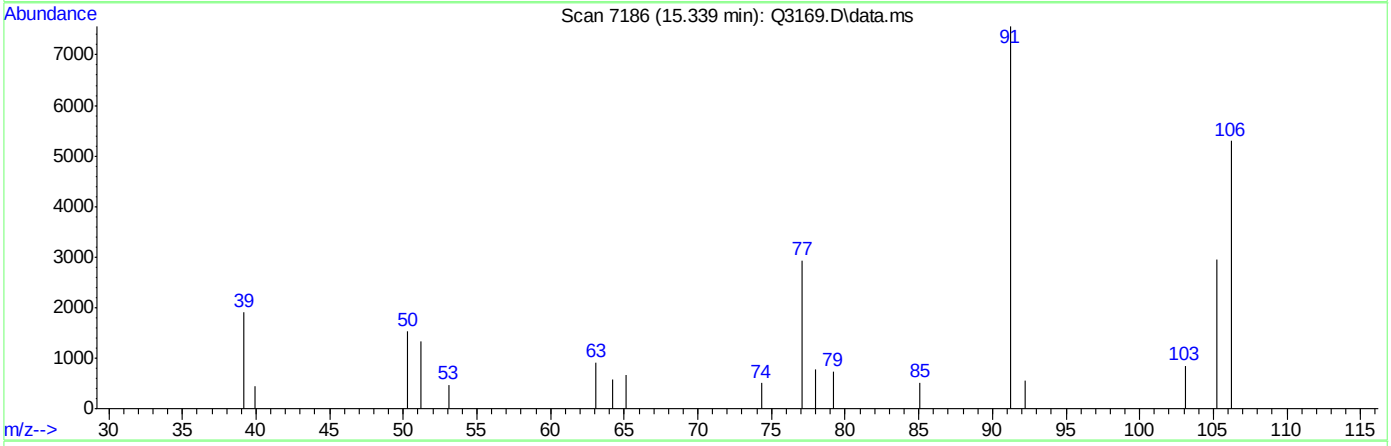
ACCUTEST Laboratories M63695

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3169.D
Acq On : 9 Apr 2007 5:46 pm
Operator : DANAT
Sample : ic169-0.2 (M132)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 09 18:18:10 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 17:44:03 2007
Response via : Initial Calibration





TIC: Q3169.D\data.ms

(56) m,p-XYLENE (m)

15.339min (-0.003) 0.18PPBV

response 6606

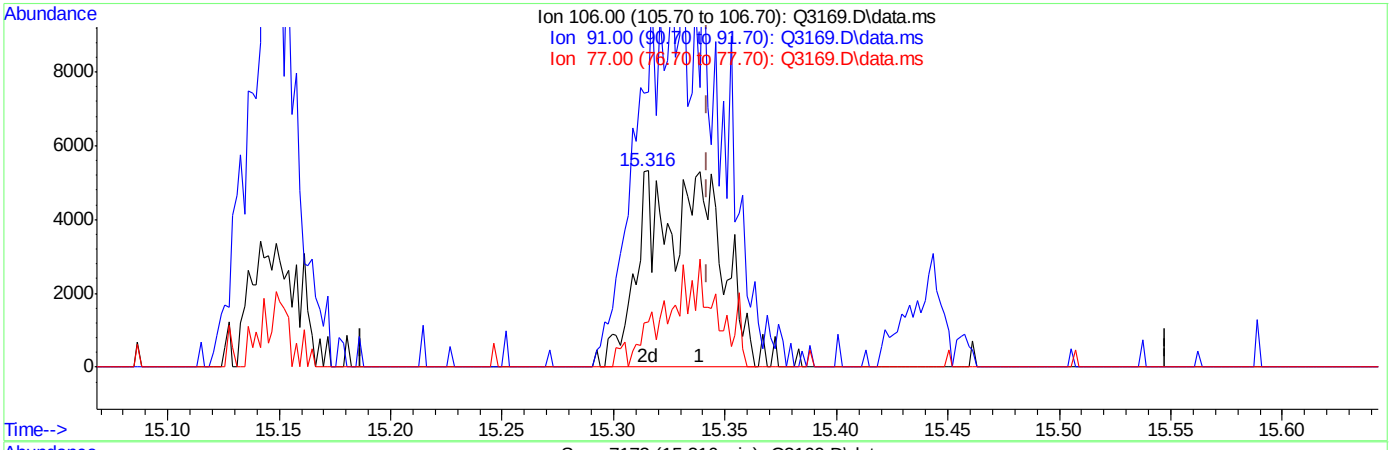
Ion	Exp%	Act%
106.00	100	100
91.00	219.40	142.91#
77.00	32.60	55.45#
0.00	0.00	0.00

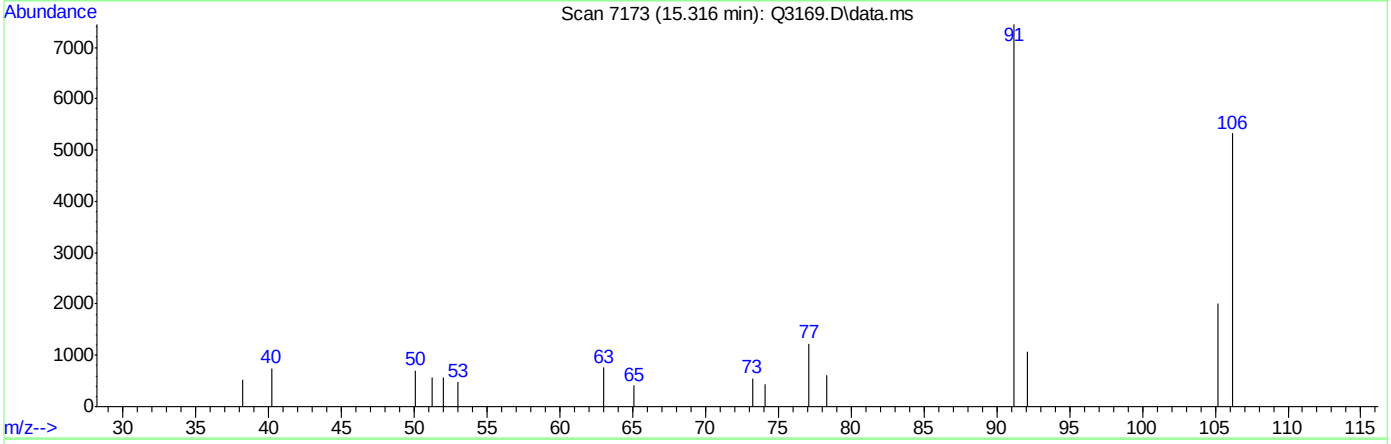
ACCUTEST Laboratories M63695

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3169.D
Acq On : 9 Apr 2007 5:46 pm
Operator : DANAT
Sample : ic169-0.2 (M132)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 09 18:18:10 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 17:44:03 2007
Response via : Initial Calibration





TIC: Q3169.D\data.ms

(56) m,p-XYLENE (m)

15.316min (-0.026) 0.32PPBV m

response 11954

Ion	Exp%	Act%
106.00	100	100
91.00	219.40	139.87#
77.00	32.60	23.14#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3171a.D
Acq On : 10 Apr 2007 10:16 am
Operator : DANAT
Sample : cc169-10 (M119)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 10 10:43:56 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.642	128	319103	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	1446087	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	1236457	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.343	95	534020	5.38	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 107.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1636703	9.18	PPBV	99
3) PROPYLENE	3.959	41	215168	8.88	PPBV	92
4) FREON 114	4.294	85	1419863	10.20	PPBV	99
5) CHLOROMETHANE	4.197	50	313212	9.75	PPBV	99
6) VINYL CHLORIDE	4.422	62	377000	10.15	PPBV	98
7) 1,3-BUTADIENE	4.557	39	339076	11.01	PPBV	98
8) BROMOMETHANE	4.839	94	423809	10.01	PPBV	99
9) CHLOROETHANE	5.015	64	167517	10.92	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.794	101	1731305	9.83	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	505109	8.69	PPBV	98
12) ACETONE	5.602	43	522874	9.80	PPBV	98
13) PENTANE	6.149	42	338715	8.91	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.431	96	425705	10.14	PPBV	97
15) CARBON DISULFIDE	6.862	76	1201204	10.35	PPBV	98
16) ETHANOL	5.095	45	83204	9.27	PPBV	96
17) BROMOETHENE	5.370	106	427566	10.19	PPBV	99
18) METHYLENE CHLORIDE	6.543	84	363051	11.21	PPBV	98
19) 3-CHLOROPROPENE	6.663	39	384961	10.33	PPBV	95
20) FREON 113	6.804	151	849357	9.68	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.476	96	418776	11.50	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.433	59	718995	8.87	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.718	73	880412	10.56	PPBV	98
24) TETRAHYDROFURAN	9.146	42	229674	9.59	PPBV	97
25) HEXANE	8.680	57	394062	8.09	PPBV	95
26) VINYL ACETATE	7.794	43	658252	10.86	PPBV	99
27) 1,1-DICHLOROETHANE	7.668	63	751955	11.42	PPBV	99
28) METHYL ETHYL KETONE	8.039	43	514664	8.90	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.481	96	305062	9.85	PPBV	93
30) ETHYL ACETATE	8.672	43	836921	9.03	PPBV	98
31) CHLOROFORM	8.761	83	909374	9.48	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.718	97	980315	9.65	PPBV	99
33) CARBON TETRACHLORIDE	10.300	117	1190436	9.67	PPBV	100
34) 1,2-DICHLOROETHANE	9.473	62	597543	9.33	PPBV	98
36) BENZENE	10.162	78	747074	9.27	PPBV	99
37) CYCLOHEXANE	10.428	84	341511	10.11	PPBV	99
38) TRICHLOROETHYLENE	11.157	95	478341	9.88	PPBV	99
39) 1,2-DICHLOROPROPANE	10.937	63	261086	9.13	PPBV	95
40) BROMODICHLOROMETHANE	11.120	83	850557	10.33	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.180	57	1308097	10.07	PPBV	97
42) 1,4-DIOXANE	11.143	88	143769	12.10	PPBV #	73
43) HEPTANE	11.420	43	482421	10.71	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3171a.D
Acq On : 10 Apr 2007 10:16 am
Operator : DANAT
Sample : cc169-10 (M119)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 10 10:43:56 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

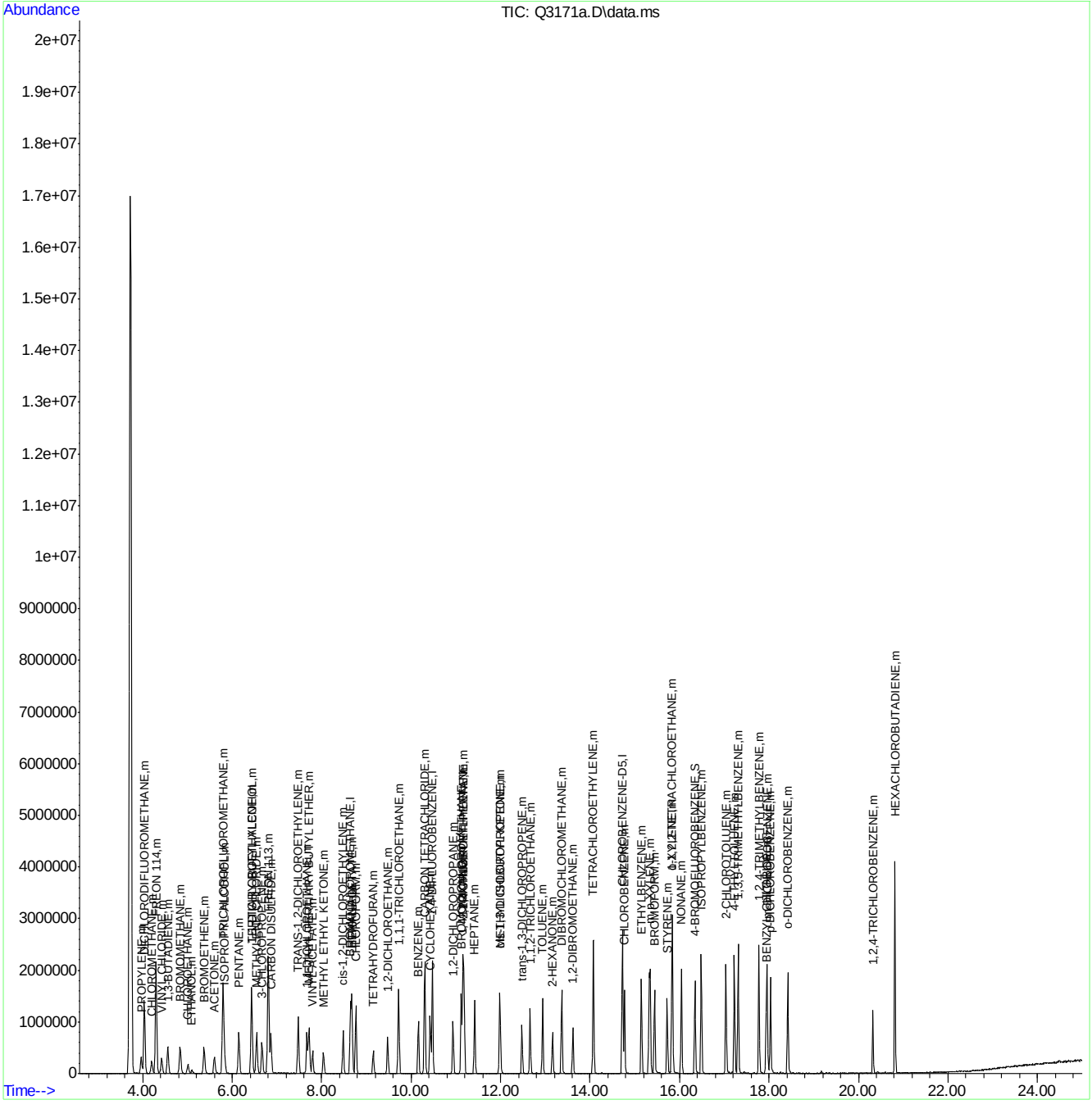
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.990	43	608047	10.40	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.975	75	428385	9.65	PPBV	93
46) TOLUENE	12.941	92	494127	9.23	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.476	75	416091	12.07	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.657	83	274627	8.74	PPBV	99
50) 2-HEXANONE	13.159	43	516696	12.30	PPBV	99
51) TETRACHLOROETHYLENE	14.071	164	451868	9.63	PPBV	99
52) DIBROMOCHLOROMETHANE	13.365	129	750071	10.20	PPBV	100
53) 1,2-DIBROMOETHANE	13.617	107	504561	9.27	PPBV	100
54) CHLOROBENZENE	14.769	112	700246	9.27	PPBV	98
55) ETHYLBENZENE	15.147	91	1182549	9.94	PPBV	100
56) m,p-XYLENE	15.344	106	857858	20.04	PPBV	98
57) o-XYLENE	15.839	106	433450	9.67	PPBV	97
58) STYRENE	15.722	104	599987	11.27	PPBV	99
59) NONANE	16.043	43	663872	11.00	PPBV	99
60) BROMOFORM	15.441	173	686745	10.13	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.828	83	700718	8.91	PPBV	99
63) ISOPROPYLBENZENE	16.485	105	1349390	9.46	PPBV	99
64) 2-CHLOROTOLUENE	17.037	91	1038959	10.09	PPBV	99
65) 4-ETHYLTOLUENE	17.225	105	1254271	11.67	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	1194310	10.44	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	1153365	11.61	PPBV	99
68) m-DICHLOROBENZENE	17.956	146	647241	10.76	PPBV	97
69) BENZYL CHLORIDE	17.933	91	654034	13.58	PPBV	99
70) p-DICHLOROBENZENE	18.031	146	629036	11.87	PPBV	99
71) o-DICHLOROBENZENE	18.418	146	637293	10.36	PPBV	98
72) HEXACHLOROBUTADIENE	20.814	225	544010	13.84	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.324	180	262973	23.60	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3171a.D
Acq On : 10 Apr 2007 10:16 am
Operator : DANAT
Sample : cc169-10 (M119)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 10 10:43:56 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration



ACCUTEST Laboratories M63695

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3171.D
Acq On : 10 Apr 2007 10:16 am
Operator : DANAT
Sample : icv169-10 (M119)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 10 10:43:56 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
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System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.343	95	534020	5.38	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 107.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1636703	9.18	PPBV	99
3) PROPYLENE	3.959	41	215168	8.88	PPBV	92
4) FREON 114	4.294	85	1419863	10.20	PPBV	99
5) CHLOROMETHANE	4.197	50	313212	9.75	PPBV	99
6) VINYL CHLORIDE	4.422	62	377000	10.15	PPBV	98
7) 1,3-BUTADIENE	4.557	39	339076	11.01	PPBV	98
8) BROMOMETHANE	4.839	94	423809	10.01	PPBV	99
9) CHLOROETHANE	5.015	64	167517	10.92	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.794	101	1731305	9.83	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	505109	8.69	PPBV	98
12) ACETONE	5.602	43	522874	9.80	PPBV	98
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15) CARBON DISULFIDE	6.862	76	1201204	10.35	PPBV	98
16) ETHANOL	5.095	45	83204	9.27	PPBV	96
17) BROMOETHENE	5.370	106	427566	10.19	PPBV	99
18) METHYLENE CHLORIDE	6.543	84	363051	11.21	PPBV	98
19) 3-CHLOROPROPENE	6.663	39	384961	10.33	PPBV	95
20) FREON 113	6.804	151	849357	9.68	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.476	96	418776	11.50	PPBV	99
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40) BROMODICHLOROMETHANE	11.120	83	850557	10.33	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.180	57	1308097	10.07	PPBV	97
42) 1,4-DIOXANE	11.143	88	143769	12.10	PPBV #	73
43) HEPTANE	11.420	43	482421	10.71	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
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Acq On : 10 Apr 2007 10:16 am
Operator : DANAT
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ALS Vial : 10 Sample Multiplier: 1

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46) TOLUENE	12.941	92	494127	9.23	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.476	75	416091	12.07	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.657	83	274627	8.74	PPBV	99
50) 2-HEXANONE	13.159	43	516696	12.30	PPBV	99
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52) DIBROMOCHLOROMETHANE	13.365	129	750071	10.20	PPBV	100
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56) m,p-XYLENE	15.344	106	857858	20.04	PPBV	98
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58) STYRENE	15.722	104	599987	11.27	PPBV	99
59) NONANE	16.043	43	663872	11.00	PPBV	99
60) BROMOFORM	15.441	173	686745	10.13	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.828	83	700718	8.91	PPBV	99
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71) o-DICHLOROBENZENE	18.418	146	637293	10.36	PPBV	98
72) HEXACHLOROBUTADIENE	20.814	225	544010	13.84	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.324	180	262973	23.60	PPBV	99

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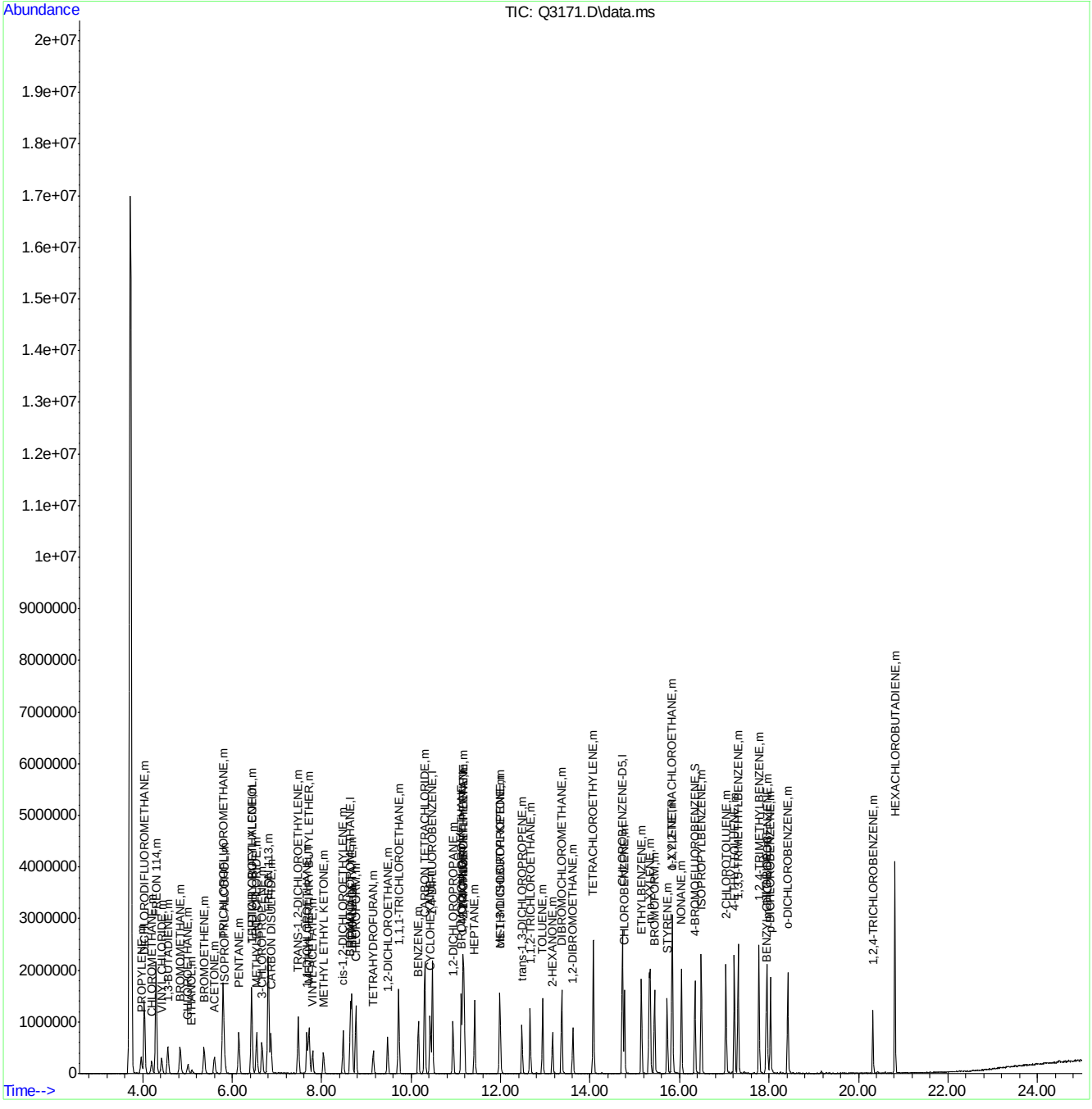
Data Path : C:\msdchem\1\DATA\
Data File : Q3171.D
Acq On : 10 Apr 2007 10:16 am
Operator : DANAT
Sample : icv169-10 (M119)
Misc : MS13316,MSQ169,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 10 10:43:56 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration



Missing Raw Data for:

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Instrument Run Log MSQ169