New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

05/04/07

Technical Report for

GEI Consultants, Inc.

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Accutest Job Number: M64242

Sampling Date: 04/18/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **107**

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

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: M64242-2: 045162-19 MORT-SS2 6
Section 4: Misc. Forms **7**
4.1: Chain of Custody 8
4.2: Summa Canister and Flow Controller Log 13
4.3: Sample Tracking Chronicle 14
Section 5: GC/MS Volatiles - QC Data Summaries **15**
5.1: Method Blank Summary 16
5.2: Blank Spike Summary 17
5.3: Duplicate Summary 18
5.4: Instrument Performance Checks (BFB) 19
5.5: Internal Standard Area Summaries 21
5.6: Initial Calibration RT/ISTD Area Summaries 22
5.7: Surrogate Recovery Summaries 36
5.8: Initial and Continuing Calibration Summaries 37
Section 6: GC/MS Volatiles - Raw Data **46**
6.1: Samples 47
6.2: Method Blanks 50
6.3: Blank Spikes 52
6.4: Duplicates 55
6.5: Instrument Performance Checks (BFB) 60
6.6: Initial and Continuing Calibarations 64
6.7: Instrument Run Logs 107

Accutest Laboratories

Sample Summary

GEI Consultants, Inc.

Job No: M64242

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M64242-1	04/18/07	21:16	SLS	04/20/07	AIR	Air	045162-19 MORT-SS1
M64242-2	04/18/07	21:22	SLS	04/20/07	AIR	Air	045162-19 MORT-SS2

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M64242
Site:	Indoor & Outdoor Air Samples Tufts St., Somerville MA	**Report Date**	5/4/2007 2:44:18 PM

1 Sample was collected on 04/18/2007 and were received at Accutest on 04/20/2007. These Samples received an Accutest job number of M64242. 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:** MSJ525

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M64244-6DUP 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(M64242).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-19 MORT-SS2		
Lab Sample ID:	M64242-2	**Date Sampled:**	04/18/07
Matrix:	AIR - Air Summa ID: M024	**Date Received:**	04/20/07
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	J10158.D	1	04/27/07	DFT	n/a	n/a	MSJ525
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	11.9	0.20	ppbv		80.7	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	91%		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 #: M64242 | PAGE 1 OF 1

Client / Reporting Information

Company Name: GEI Consultants, Inc.
Address: 400 Unicorn Park
City: Woburn State: MA Zip: 01801
Project Contact: mark ensign E-mail: mensign@geiconsultants.com
Phone #: (781) 721-4000 Fax #: (781) 721-4073
Sampler(s) Name(s):

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

Weather Parameters

Temperature (Fahrenheit)
Start: Maximum:
Stop: Minimum:
Atmospheric Pressure (inches of Hg)
Start: Maximum:
Stop: 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	045162-19Mort-SS1	SV	M099	6L	MFC055	4-18-07	2018	30	/	SLS	4-18-07	2116	1	/	SLS			HOLD
2	045162-19Mort-SS2	SV	M024	6L	MC012	4-18-07	2021	30	/	SLS	4-18-07	2122	5	/	SLS			

Turnaround Time / Business days

Standard - 15 Days: X
10 Day
5 Day
3 Day
2 Day
1 Day
Other

Approved By:
Date:

Data Deliverable Information

Comm A
Comm B
Full T1
Other:

Comments / Remarks

Please see attached list of analytes

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		1	2 GEI Lab	4-18-07 1300	2 Sarah Set
3 Sarah Set	4-18-07 2145	3 GEI Lab	4 GEI Lab	4/20/07 1625	4 Andrea Lyon
5 Andrea Lyon	4/20/07 1625	6	Custody Seal #	4/20/07 18:00	

SM013-01 (2/14/06)

M64242: Chain of Custody
Page 1 of 5

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
M64242-2	M024

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9849.D
Acq On : 30 Mar 2007 12:07 am
Operator : PhilipB
Sample : M63703-2 (M024)
Misc : MS13284, MSJ509,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 30 08:39:28 2007
Quant Method : C:\MSDCHEM\1\METHODS\J032207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Mar 23 07:52:47 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	226948	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	362166	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	278625	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	64611	3.67	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 73.40%

Target Compounds Qvalue

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

J032207T.M Fri Mar 30 08:39:43 2007 Page: 1

4.1 4

M64242: Chain of Custody

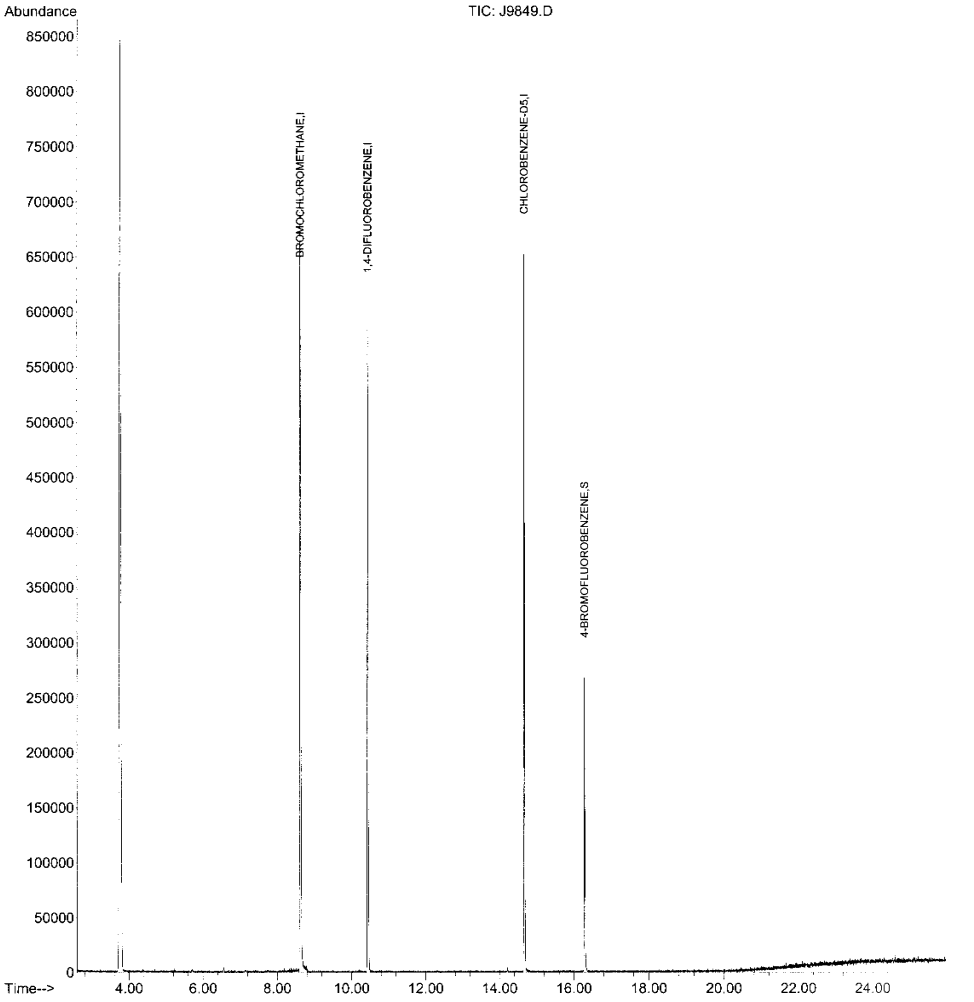
Page 4 of 5

ACCUTEST Laboratories
M64242

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9849.D
Acq On : 30 Mar 2007 12:07 am
Operator : PhilipB
Sample : M63703-2 (M024)
Misc : MS13284, MSJ509,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 30 08:39:28 2007
Quant Method : C:\MSDCHEM\1\METHODS\J032207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Mar 23 07:52:47 2007
Response via : Initial Calibration



J032207T.M Fri Mar 30 08:39:44 2007 Page: 2

4.1 4

M64242: Chain of Custody
Page 5 of 5

Summa Canister and Flow Controller Log

Job Number: M64242
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA
Received: 04/20/07

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
M024	6	29.4	04/02/07	PB	CP389		M64242-2	04/27/07	DFT	2.5			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC012	04/02/07	PB	80	1	04/27/07	DFT	84.1

Accutest Bottle Order(s):
PB/4-2-07/GEI/TUFTS ST.

Prep Date	Room Temp(F)	Bar Pres "Hg
04/02/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M64242

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M64242-2	Collected: 18-APR-07 21:22 By: SLS		Received: 20-APR-07 By:			
045162-19	MORT-SS2					
M64242-2	TO-15	27-APR-07 20:45	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: M64242
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
MSJ525-MB	J10148.D	1	04/27/07	DFT	n/a	n/a	MSJ525

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

M64242-2

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	95%	57-139%

Blank Spike Summary

Job Number: M64242
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
MSJ525-BS	J10146B.D	1	04/27/07	DFT	n/a	n/a	MSJ525

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

M64242-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	8.8	88	70-130
56-23-5	Carbon tetrachloride	10	9.0	90	70-130
75-34-3	1,1-Dichloroethane	10	9.1	91	70-130
75-35-4	1,1-Dichloroethylene	10	9.8	98	70-130
107-06-2	1,2-Dichloroethane	10	8.8	88	70-130
156-60-5	trans-1,2-Dichloroethylene	10	9.2	92	70-130
156-59-2	cis-1,2-Dichloroethylene	10	9.0	90	70-130
71-55-6	1,1,1-Trichloroethane	10	8.8	88	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	8.1	81	70-130
79-00-5	1,1,2-Trichloroethane	10	9.0	90	70-130
127-18-4	Tetrachloroethylene	10	8.9	89	70-130
79-01-6	Trichloroethylene	10	9.1	91	70-130
75-01-4	Vinyl chloride	10	9.2	92	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	107%	57-139%

Duplicate Summary

Job Number: M64242
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
M64244-6DUP	J10152.D	1	04/27/07	DFT	n/a	n/a	MSJ525
M64244-6	J10151.D	1	04/27/07	DFT	n/a	n/a	MSJ525

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

M64242-2

CAS No.	Compound	M64244-6 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	ND		ND		nc	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	ND		ND		nc	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M64244-6	Limits
460-00-4	4-Bromofluorobenzene	92%	93%	57-139%

Instrument Performance Check (BFB)

Job Number: M64242
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ525-BFB
Lab File ID: J10136.D
Instrument ID: GCMSJ
Injection Date: 04/26/07
Injection Time: 12:02

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	13331	18.2		Pass
75	30.0 - 66.0% of mass 95	36176	49.4		Pass
95	Base peak, 100% relative abundance	73247	100.0		Pass
96	5.0 - 9.0% of mass 95	5344	7.3		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	70950	96.9		Pass
175	4.0 - 9.0% of mass 174	3969	5.4	(5.6) [a]	Pass
176	93.0 - 101.0% of mass 174	68623	93.7	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	4840	6.6	(7.1) [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
MSJ525-IC525	J10137.D	04/26/07	12:53	00:51	Initial cal 20
MSJ525-ICC525	J10138.D	04/26/07	13:46	01:44	Initial cal 10
MSJ525-IC525	J10139.D	04/26/07	14:44	02:42	Initial cal 5
MSJ525-IC525	J10140.D	04/26/07	15:47	03:45	Initial cal 2
MSJ525-IC525	J10141.D	04/26/07	16:42	04:40	Initial cal 0.5
MSJ525-IC525	J10143.D	04/26/07	18:19	06:17	Initial cal 40
MSJ525-IC525	J10144.D	04/27/07	09:19	21:17	Initial cal 0.2

Instrument Performance Check (BFB)

Job Number: M64242
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ525-BFB
Lab File ID: J10145.D
Instrument ID: GCMSJ
Injection Date: 04/27/07
Injection Time: 10:03

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	11339	19.3		Pass
75	30.0 - 66.0% of mass 95	30217	51.5		Pass
95	Base peak, 100% relative abundance	58691	100.0		Pass
96	5.0 - 9.0% of mass 95	3826	6.5		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	56961	97.1		Pass
175	4.0 - 9.0% of mass 174	2371	4.0	(4.2) [a]	Pass
176	93.0 - 101.0% of mass 174	54595	93.0	(95.8) [a]	Pass
177	5.0 - 9.0% of mass 176	3401	5.8	(6.2) [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
MSJ525-ICV525	J10146.D	04/27/07	10:50	00:47	Initial cal verification 10
MSJ525-CC525	J10146A.D	04/27/07	10:50	00:47	Continuing cal 10
MSJ525-BS	J10146B.D	04/27/07	10:50	00:47	Blank Spike
MSJ525-MB	J10148.D	04/27/07	12:25	02:22	Method Blank
ZZZZZZ	J10149.D	04/27/07	13:30	03:27	(unrelated sample)
ZZZZZZ	J10150.D	04/27/07	14:26	04:23	(unrelated sample)
M64244-6	J10151.D	04/27/07	15:22	05:19	(used for QC only; not part of job M64242)
M64244-6DUP	J10152.D	04/27/07	16:15	06:12	Duplicate
ZZZZZZ	J10153.D	04/27/07	17:03	07:00	(unrelated sample)
ZZZZZZ	J10154.D	04/27/07	17:48	07:45	(unrelated sample)
ZZZZZZ	J10155.D	04/27/07	18:32	08:29	(unrelated sample)
ZZZZZZ	J10156.D	04/27/07	19:17	09:14	(unrelated sample)
ZZZZZZ	J10157.D	04/27/07	20:01	09:58	(unrelated sample)
M64242-2	J10158.D	04/27/07	20:45	10:42	045162-19 MORT-SS2
ZZZZZZ	J10159.D	04/27/07	21:29	11:26	(unrelated sample)
ZZZZZZ	J10160.D	04/27/07	22:14	12:11	(unrelated sample)
ZZZZZZ	J10161.D	04/27/07	22:58	12:55	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: M64242
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSJ525-CC525	**Injection Date:**	04/27/07
Lab File ID:	J10146A.D	**Injection Time:**	10:50
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	79693	8.62	333965	10.44	292288	14.67
Upper Limit [a]	111570	8.95	467551	10.77	409203	15.00
Lower Limit [b]	47816	8.29	200379	10.11	175373	14.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ525-BS	79693	8.62	333965	10.44	292288	14.67
MSJ525-MB	75377	8.62	317042	10.44	278019	14.67
ZZZZZZ	66818	8.62	250506	10.43	212381	14.67
ZZZZZZ	74317	8.62	305267	10.43	267036	14.67
M64244-6	73856	8.62	302401	10.43	266336	14.67
M64244-6DUP	77180	8.62	317866	10.44	273079	14.67
ZZZZZZ	70820	8.62	299047	10.43	259134	14.67
ZZZZZZ	74805	8.62	311247	10.44	272280	14.67
ZZZZZZ	73295	8.62	309264	10.44	273462	14.67
ZZZZZZ	74775	8.62	317043	10.44	279927	14.67
ZZZZZZ	73417	8.62	317407	10.44	290408	14.67
M64242-2	77111	8.62	334467	10.44	289667	14.67
ZZZZZZ	77899	8.62	324883	10.43	286758	14.67
ZZZZZZ	80924	8.62	358418	10.44	306613	14.67
ZZZZZZ	77035	8.63	340637	10.45	137272[c]	14.77

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.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64242
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	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.63	8.61	0.654	ok	0.655	0.595-0.715
1,3-Butadiene	4.57	8.61	0.531	ok	0.531	0.471-0.591
Benzene	10.11	10.43	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.08	10.43	1.062	ok	1.063	1.003-1.123
Bromoform	15.40	14.67	1.050	ok	1.049	0.989-1.109
Bromomethane	4.84	8.61	0.562	ok	0.563	0.503-0.623
Bromoethene	5.37	8.61	0.624	ok	0.623	0.563-0.683
Benzyl Chloride	17.89	14.67	1.219	ok	1.220	1.160-1.280
Carbon disulfide	6.83	8.61	0.793	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.61	0.582	ok	0.582	0.522-0.642
Chloroform	8.73	8.61	1.014	ok	1.014	0.954-1.074
Chloromethane	4.22	8.61	0.490	ok	0.491	0.431-0.551
3-Chloropropene	6.64	8.61	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.61	1.190	ok	1.191	1.131-1.251
Cyclohexane	10.36	10.43	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.64	8.61	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.61	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.61	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.43	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.15	10.43	1.069	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.06	8.61	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.44	8.61	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.61	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.91	14.67	1.221	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.253	1.193-1.313
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.43	1.193	ok	1.193	1.133-1.253
Ethanol	5.16	8.61	0.599	ok	0.601	0.541-0.661
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.61	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.17	14.67	1.170	ok	1.171	1.111-1.231
Freon 113	6.78	8.61	0.787	ok	0.787	0.727-0.847
Freon 114	4.31	8.61	0.501	ok	0.501	0.441-0.561
Heptane	11.35	10.43	1.088	ok	1.089	1.029-1.149
Hexachlorobutadiene	20.77	14.67	1.416	ok	1.416	1.356-1.476
Hexane	8.62	8.61	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64242
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	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.67	0.896	ok	0.897	0.837-0.957
Isopropylbenzene	16.43	14.67	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.90	8.61	0.685	ok	0.686	0.626-0.746
Methylene chloride	6.53	8.61	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.05	8.61	0.935	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.98	10.43	1.149	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.71	8.61	0.895	ok	0.897	0.837-0.957
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.12	8.61	0.711	ok	0.711	0.651-0.771
Propylene	3.99	8.61	0.463	ok	0.464	0.404-0.524
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.61	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.43	1.210	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.26	14.67	1.177	ok	1.177	1.117-1.237
2,2,4-Trimethylpentane	11.11	10.43	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.50	8.61	0.755	ok	0.757	0.697-0.817
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.16	8.61	1.064	ok	1.066	1.006-1.126
Toluene	12.89	10.43	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.61	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.61	0.515	ok	0.516	0.456-0.576
Vinyl Acetate	7.78	8.61	0.904	ok	0.904	0.844-0.964
m,p-Xylene	15.28	14.67	1.042	ok	1.042	0.982-1.102
o-Xylene	15.78	14.67	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	8.61	ok	8.60	8.27-8.93	89217	ok	78727	47236-110218
1,4-Difluorobenzene	10.43	ok	10.42	10.09-10.75	384279	ok	335978	201587-470369
Chlorobenzene-D5	14.67	ok	14.66	14.33-14.99	335261	ok	288335	173001-403669

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64242
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	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.62	8.60	0.653	ok	0.655	0.595-0.715
1,3-Butadiene	4.57	8.60	0.531	ok	0.531	0.471-0.591
Benzene	10.10	10.42	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.07	10.42	1.062	ok	1.063	1.003-1.123
Bromoform	15.39	14.66	1.050	ok	1.049	0.989-1.109
Bromomethane	4.84	8.60	0.563	ok	0.563	0.503-0.623
Bromoethene	5.36	8.60	0.623	ok	0.623	0.563-0.683
Benzyl Chloride	17.88	14.66	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.82	8.60	0.793	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.66	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.60	0.581	ok	0.582	0.522-0.642
Chloroform	8.72	8.60	1.014	ok	1.014	0.954-1.074
Chloromethane	4.22	8.60	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.63	8.60	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	16.98	14.66	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.24	8.60	1.191	ok	1.191	1.131-1.251
Cyclohexane	10.35	10.42	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.63	8.60	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.40	8.60	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.56	14.66	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.43	8.60	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.88	10.42	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.14	10.42	1.069	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.06	8.60	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.31	14.66	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.43	8.60	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.43	8.60	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.92	10.42	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.66	1.221	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.37	14.66	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	17.98	14.66	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.43	10.42	1.193	ok	1.193	1.133-1.253
Ethanol	5.15	8.60	0.599	ok	0.601	0.541-0.661
Ethylbenzene	15.09	14.66	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.60	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.16	14.66	1.171	ok	1.171	1.111-1.231
Freon 113	6.77	8.60	0.787	ok	0.787	0.727-0.847
Freon 114	4.31	8.60	0.501	ok	0.501	0.441-0.561
Heptane	11.34	10.42	1.088	ok	1.089	1.029-1.149
Hexachlorobutadiene	20.76	14.66	1.416	ok	1.416	1.356-1.476
Hexane	8.60	8.60	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64242
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	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.66	0.896	ok	0.897	0.837-0.957
Isopropylbenzene	16.42	14.66	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.88	8.60	0.684	ok	0.686	0.626-0.746
Methylene chloride	6.52	8.60	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.60	0.935	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.97	10.42	1.149	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.70	8.60	0.895	ok	0.897	0.837-0.957
Nonane	15.97	14.66	1.089	ok	1.089	1.029-1.149
Pentane	6.11	8.60	0.710	ok	0.711	0.651-0.771
Propylene	3.99	8.60	0.464	ok	0.464	0.404-0.524
Styrene	15.66	14.66	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.66	8.60	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.66	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.61	10.42	1.210	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.66	1.383	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.72	14.66	1.209	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.66	1.177	ok	1.177	1.117-1.237
2,2,4-Trimethylpentane	11.10	10.42	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.48	8.60	0.753	ok	0.757	0.697-0.817
Tetrachloroethylene	14.00	14.66	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.15	8.60	1.064	ok	1.066	1.006-1.126
Toluene	12.87	10.42	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.10	10.42	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.77	8.60	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.60	0.515	ok	0.516	0.456-0.576
Vinyl Acetate	7.77	8.60	0.903	ok	0.904	0.844-0.964
m,p-Xylene	15.27	14.66	1.042	ok	1.042	0.982-1.102
o-Xylene	15.78	14.66	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	8.60	ok	8.60	8.27-8.93	80028	ok	78727	47236-110218
1,4-Difluorobenzene	10.42	ok	10.42	10.09-10.75	351947	ok	335978	201587-470369
Chlorobenzene-D5	14.66	ok	14.66	14.33-14.99	300097	ok	288335	173001-403669

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64242
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	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.62	8.59	0.654	ok	0.655	0.595-0.715
1,3-Butadiene	4.57	8.59	0.532	ok	0.531	0.471-0.591
Benzene	10.09	10.41	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.06	10.41	1.062	ok	1.063	1.003-1.123
Bromoform	15.38	14.66	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.59	0.563	ok	0.563	0.503-0.623
Bromoethene	5.36	8.59	0.624	ok	0.623	0.563-0.683
Benzyl Chloride	17.88	14.66	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.82	8.59	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.70	14.66	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.59	0.583	ok	0.582	0.522-0.642
Chloroform	8.71	8.59	1.014	ok	1.014	0.954-1.074
Chloromethane	4.22	8.59	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.62	8.59	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	16.97	14.66	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.23	8.59	1.191	ok	1.191	1.131-1.251
Cyclohexane	10.34	10.41	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.62	8.59	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.39	8.59	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.55	14.66	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.42	8.59	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.87	10.41	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.15	10.41	1.071	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.06	8.59	0.473	ok	0.472	0.412-0.532
Dibromochloromethane	13.31	14.66	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.42	8.59	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.43	8.59	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.91	10.41	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.66	1.221	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.36	14.66	1.252	ok	1.253	1.193-1.313
p-Dichlorobenzene	17.98	14.66	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.42	10.41	1.193	ok	1.193	1.133-1.253
Ethanol	5.16	8.59	0.601	ok	0.601	0.541-0.661
Ethylbenzene	15.08	14.66	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.65	8.59	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.16	14.66	1.171	ok	1.171	1.111-1.231
Freon 113	6.75	8.59	0.786	ok	0.787	0.727-0.847
Freon 114	4.31	8.59	0.502	ok	0.501	0.441-0.561
Heptane	11.33	10.41	1.088	ok	1.089	1.029-1.149
Hexachlorobutadiene	20.76	14.66	1.416	ok	1.416	1.356-1.476
Hexane	8.60	8.59	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64242
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	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.66	0.896	ok	0.897	0.837-0.957
Isopropylbenzene	16.42	14.66	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.87	8.59	0.683	ok	0.686	0.626-0.746
Methylene chloride	6.51	8.59	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.59	0.935	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.96	10.41	1.149	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.69	8.59	0.895	ok	0.897	0.837-0.957
Nonane	15.97	14.66	1.089	ok	1.089	1.029-1.149
Pentane	6.11	8.59	0.711	ok	0.711	0.651-0.771
Propylene	3.98	8.59	0.463	ok	0.464	0.404-0.524
Styrene	15.66	14.66	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.65	8.59	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.78	14.66	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.61	10.41	1.211	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.66	1.383	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.71	14.66	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.66	1.177	ok	1.177	1.117-1.237
2,2,4-Trimethylpentane	11.09	10.41	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.48	8.59	0.754	ok	0.757	0.697-0.817
Tetrachloroethylene	14.00	14.66	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.14	8.59	1.064	ok	1.066	1.006-1.126
Toluene	12.87	10.41	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.09	10.41	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.77	8.59	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.59	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.76	8.59	0.903	ok	0.904	0.844-0.964
m,p-Xylene	15.28	14.66	1.042	ok	1.042	0.982-1.102
o-Xylene	15.77	14.66	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	8.59	ok	8.60	8.27-8.93	81232	ok	78727	47236-110218
1,4-Difluorobenzene	10.41	ok	10.42	10.09-10.75	354952	ok	335978	201587-470369
Chlorobenzene-D5	14.66	ok	14.66	14.33-14.99	294474	ok	288335	173001-403669

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64242
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	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.58	0.654	ok	0.655	0.595-0.715
1,3-Butadiene	4.56	8.58	0.531	ok	0.531	0.471-0.591
Benzene	10.08	10.40	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.05	10.40	1.062	ok	1.063	1.003-1.123
Bromoform	15.38	14.65	1.050	ok	1.049	0.989-1.109
Bromomethane	4.83	8.58	0.563	ok	0.563	0.503-0.623
Bromoethene	5.35	8.58	0.624	ok	0.623	0.563-0.683
Benzyl Chloride	17.88	14.65	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.81	8.58	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.70	14.65	1.003	ok	1.003	0.943-1.063
Chloroethane	4.99	8.58	0.582	ok	0.582	0.522-0.642
Chloroform	8.70	8.58	1.014	ok	1.014	0.954-1.074
Chloromethane	4.22	8.58	0.492	ok	0.491	0.431-0.551
3-Chloropropene	6.62	8.58	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	16.97	14.65	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.22	8.58	1.191	ok	1.191	1.131-1.251
Cyclohexane	10.33	10.40	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.61	8.58	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.39	8.58	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.55	14.65	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.40	8.58	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.87	10.40	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.15	10.40	1.072	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.05	8.58	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.31	14.65	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.41	8.58	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.41	8.58	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.91	10.40	1.145	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.65	1.222	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.36	14.65	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	17.97	14.65	1.227	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.41	10.40	1.193	ok	1.193	1.133-1.253
Ethanol	5.15	8.58	0.600	ok	0.601	0.541-0.661
Ethylbenzene	15.07	14.65	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.64	8.58	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.16	14.65	1.171	ok	1.171	1.111-1.231
Freon 113	6.74	8.58	0.786	ok	0.787	0.727-0.847
Freon 114	4.31	8.58	0.502	ok	0.501	0.441-0.561
Heptane	11.33	10.40	1.089	ok	1.089	1.029-1.149
Hexachlorobutadiene	20.76	14.65	1.417	ok	1.416	1.356-1.476
Hexane	8.59	8.58	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64242
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	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.65	0.897	ok	0.897	0.837-0.957
Isopropylbenzene	16.42	14.65	1.121	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.87	8.58	0.684	ok	0.686	0.626-0.746
Methylene chloride	6.50	8.58	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.58	0.936	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.96	10.40	1.150	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.69	8.58	0.896	ok	0.897	0.837-0.957
Nonane	15.96	14.65	1.089	ok	1.089	1.029-1.149
Pentane	6.09	8.58	0.710	ok	0.711	0.651-0.771
Propylene	3.98	8.58	0.464	ok	0.464	0.404-0.524
Styrene	15.66	14.65	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.64	8.58	1.124	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.78	14.65	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.60	10.40	1.212	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.65	1.384	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.71	14.65	1.209	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.65	1.177	ok	1.177	1.117-1.237
2,2,4-Trimethylpentane	11.09	10.40	1.066	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.47	8.58	0.754	ok	0.757	0.697-0.817
Tetrachloroethylene	13.99	14.65	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.14	8.58	1.065	ok	1.066	1.006-1.126
Toluene	12.86	10.40	1.237	ok	1.236	1.176-1.296
Trichloroethylene	11.08	10.40	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.76	8.58	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.58	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.75	8.58	0.903	ok	0.904	0.844-0.964
m,p-Xylene	15.27	14.65	1.042	ok	1.042	0.982-1.102
o-Xylene	15.78	14.65	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	8.58	ok	8.60	8.27-8.93	72125	ok	78727	47236-110218
1,4-Difluorobenzene	10.40	ok	10.42	10.09-10.75	296310	ok	335978	201587-470369
Chlorobenzene-D5	14.65	ok	14.66	14.33-14.99	258739	ok	288335	173001-403669

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64242
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	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.64	8.58	0.657	ok	0.655	0.595-0.715
1,3-Butadiene	4.56	8.58	0.531	ok	0.531	0.471-0.591
Benzene	10.09	10.40	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.06	10.40	1.063	ok	1.063	1.003-1.123
Bromoform	15.38	14.65	1.050	ok	1.049	0.989-1.109
Bromomethane	4.83	8.58	0.563	ok	0.563	0.503-0.623
Bromoethene	5.35	8.58	0.624	ok	0.623	0.563-0.683
Benzyl Chloride	17.89	14.65	1.221	ok	1.220	1.160-1.280
Carbon disulfide	6.81	8.58	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.70	14.65	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.58	0.583	ok	0.582	0.522-0.642
Chloroform	8.70	8.58	1.014	ok	1.014	0.954-1.074
Chloromethane	4.22	8.58	0.492	ok	0.491	0.431-0.551
3-Chloropropene	6.61	8.58	0.770	ok	0.771	0.711-0.831
2-Chlorotoluene	16.97	14.65	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.22	8.58	1.191	ok	1.191	1.131-1.251
Cyclohexane	10.33	10.40	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.61	8.58	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.39	8.58	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.55	14.65	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.41	8.58	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.87	10.40	1.045	ok	1.044	0.984-1.104
Dichlorodifluoromethane	4.05	8.58	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.30	14.65	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.42	8.58	0.865	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.42	8.58	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.91	10.40	1.145	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.65	1.222	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.37	14.65	1.254	ok	1.253	1.193-1.313
p-Dichlorobenzene	17.98	14.65	1.227	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.42	10.40	1.194	ok	1.193	1.133-1.253
Ethanol	5.19	8.58	0.605	ok	0.601	0.541-0.661
Ethylbenzene	15.08	14.65	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.65	8.58	1.008	ok	1.008	0.948-1.068
4-Ethyltoluene	17.25	14.65	1.177	ok	1.171	1.111-1.231
Freon 113	6.75	8.58	0.787	ok	0.787	0.727-0.847
Freon 114	4.31	8.58	0.502	ok	0.501	0.441-0.561
Heptane	11.33	10.40	1.089	ok	1.089	1.029-1.149
Hexachlorobutadiene	20.76	14.65	1.417	ok	1.416	1.356-1.476
Hexane	8.58	8.58	1.000	ok	1.001	0.941-1.061
2-Hexanone	13.16	14.65	0.898	ok	0.897	0.837-0.957

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64242
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	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropylbenzene	16.42	14.65	1.121	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.91	8.58	0.689	ok	0.686	0.626-0.746
Methylene chloride	6.51	8.58	0.759	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.05	8.58	0.938	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.98	10.40	1.152	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.71	8.58	0.899	ok	0.897	0.837-0.957
Nonane	15.96	14.65	1.089	ok	1.089	1.029-1.149
Pentane	6.09	8.58	0.710	ok	0.711	0.651-0.771
Propylene	3.98	8.58	0.464	ok	0.464	0.404-0.524
Styrene	15.66	14.65	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.64	8.58	1.124	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.78	14.65	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.60	10.40	1.212	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.65	1.384	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.71	14.65	1.209	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.65	1.177	ok	1.177	1.117-1.237
2,2,4-Trimethylpentane	11.09	10.40	1.066	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.53	8.58	0.761	ok	0.757	0.697-0.817
Tetrachloroethylene	14.00	14.65	0.956	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.58	1.070	ok	1.066	1.006-1.126
Toluene	12.87	10.40	1.238	ok	1.236	1.176-1.296
Trichloroethylene	11.08	10.40	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.75	8.58	0.670	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.58	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.76	8.58	0.904	ok	0.904	0.844-0.964
m,p-Xylene	15.27	14.65	1.042	ok	1.042	0.982-1.102
o-Xylene	15.77	14.65	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	8.58	ok	8.60	8.27-8.93	72731	ok	78727	47236-110218
1,4-Difluorobenzene	10.40	ok	10.42	10.09-10.75	309052	ok	335978	201587-470369
Chlorobenzene-D5	14.65	ok	14.66	14.33-14.99	257665	ok	288335	173001-403669

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64242
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	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.64	8.63	0.654	ok	0.655	0.595-0.715
1,3-Butadiene	4.58	8.63	0.531	ok	0.531	0.471-0.591
Benzene	10.13	10.45	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.10	10.45	1.062	ok	1.063	1.003-1.123
Bromoform	15.41	14.68	1.050	ok	1.049	0.989-1.109
Bromomethane	4.85	8.63	0.562	ok	0.563	0.503-0.623
Bromoethene	5.38	8.63	0.623	ok	0.623	0.563-0.683
Benzyl Chloride	17.90	14.68	1.219	ok	1.220	1.160-1.280
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.73	14.68	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.63	0.582	ok	0.582	0.522-0.642
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.22	8.63	0.489	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.63	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	16.99	14.68	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.26	8.63	1.189	ok	1.191	1.131-1.251
Cyclohexane	10.37	10.45	0.992	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.58	14.68	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.91	10.45	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.16	10.45	1.068	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.06	8.63	0.470	ok	0.472	0.412-0.532
Dibromochloromethane	13.34	14.68	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.45	8.63	0.863	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.45	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.91	14.68	1.220	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.38	14.68	1.252	ok	1.253	1.193-1.313
p-Dichlorobenzene	17.99	14.68	1.225	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.45	10.45	1.191	ok	1.193	1.133-1.253
Ethanol	5.18	8.63	0.600	ok	0.601	0.541-0.661
Ethylbenzene	15.10	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.63	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.18	14.68	1.170	ok	1.171	1.111-1.231
Freon 113	6.79	8.63	0.787	ok	0.787	0.727-0.847
Freon 114	4.32	8.63	0.501	ok	0.501	0.441-0.561
Heptane	11.37	10.45	1.088	ok	1.089	1.029-1.149
Hexachlorobutadiene	20.77	14.68	1.415	ok	1.416	1.356-1.476
Hexane	8.63	8.63	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64242
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	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	Reporting this level
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.68	0.896	ok	0.897	0.837-0.957
Isopropylbenzene	16.44	14.68	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.92	8.63	0.686	ok	0.686	0.626-0.746
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.07	8.63	0.935	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.99	10.45	1.147	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.72	8.63	0.895	ok	0.897	0.837-0.957
Nonane	15.98	14.68	1.089	ok	1.089	1.029-1.149
Pentane	6.13	8.63	0.710	ok	0.711	0.651-0.771
Propylene	3.99	8.63	0.462	ok	0.464	0.404-0.524
Styrene	15.68	14.68	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.63	1.122	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.80	14.68	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.63	10.45	1.209	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.28	14.68	1.381	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.73	14.68	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.26	14.68	1.176	ok	1.177	1.117-1.237
2,2,4-Trimethylpentane	11.13	10.45	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.52	8.63	0.756	ok	0.757	0.697-0.817
Tetrachloroethylene	14.02	14.68	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.17	8.63	1.063	ok	1.066	1.006-1.126
Toluene	12.89	10.45	1.233	ok	1.236	1.176-1.296
Trichloroethylene	11.12	10.45	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.63	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.63	0.904	ok	0.904	0.844-0.964
m,p-Xylene	15.29	14.68	1.042	ok	1.042	0.982-1.102
o-Xylene	15.80	14.68	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	8.63	ok	8.60	8.27-8.93	78991	ok	78727	47236-110218
1,4-Difluorobenzene	10.45	ok	10.42	10.09-10.75	331420	ok	335978	201587-470369
Chlorobenzene-D5	14.68	ok	14.66	14.33-14.99	309562	ok	288335	173001-403669

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64242
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	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.69	8.62	0.660	ok	0.655	0.595-0.715
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.44	1.062	ok	1.063	1.003-1.123
Bromoform	15.38	14.67	1.048	ok	1.049	0.989-1.109
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.37	8.62	0.623	ok	0.623	0.563-0.683
Benzyl Chloride	17.88	14.67	1.219	ok	1.220	1.160-1.280
Carbon disulfide	6.84	8.62	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.582	0.522-0.642
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.62	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.65	8.62	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.26	8.62	1.190	ok	1.191	1.131-1.251
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.62	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.56	14.67	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.62	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.62	0.865	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.44	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.221	1.161-1.281
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.253	1.193-1.313
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.44	1.192	ok	1.193	1.133-1.253
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.71	8.62	1.010	ok	1.008	0.948-1.068
4-Ethyltoluene	17.16	14.67	1.170	ok	1.171	1.111-1.231
Freon 113	6.80	8.62	0.789	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.36	10.44	1.088	ok	1.089	1.029-1.149
Hexachlorobutadiene	20.77	14.67	1.416	ok	1.416	1.356-1.476
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061
2-Hexanone	13.18	14.67	0.898	ok	0.897	0.837-0.957
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M64242
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	
MSJ525-IC525	J10137.D	04/26/07 12:53	DFT	20	GCMSJ	TO-15	
MSJ525-ICC525	J10138.D	04/26/07 13:46	DFT	10	GCMSJ	TO-15	
MSJ525-IC525	J10139.D	04/26/07 14:44	DFT	5	GCMSJ	TO-15	
MSJ525-IC525	J10140.D	04/26/07 15:47	DFT	2	GCMSJ	TO-15	
MSJ525-IC525	J10141.D	04/26/07 16:42	DFT	0.5	GCMSJ	TO-15	
MSJ525-IC525	J10143.D	04/26/07 18:19	DFT	40	GCMSJ	TO-15	
MSJ525-IC525	J10144.D	04/27/07 09:19	DFT	0.2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropyl Alcohol	5.97	8.62	0.693	ok	0.686	0.626-0.746
Methylene chloride	6.55	8.62	0.760	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.10	8.62	0.940	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	12.01	10.44	1.150	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.76	8.62	0.900	ok	0.897	0.837-0.957
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.15	8.62	0.713	ok	0.711	0.651-0.771
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.66	14.67	1.067	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.44	1.209	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.71	14.67	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.177	1.117-1.237
2,2,4-Trimethylpentane	11.11	10.44	1.064	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.59	8.62	0.765	ok	0.757	0.697-0.817
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.23	8.62	1.071	ok	1.066	1.006-1.126
Toluene	12.88	10.44	1.234	ok	1.236	1.176-1.296
Trichloroethylene	11.12	10.44	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.62	0.906	ok	0.904	0.844-0.964
m,p-Xylene	15.27	14.67	1.041	ok	1.042	0.982-1.102
o-Xylene	15.78	14.67	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	8.62	ok	8.60	8.27-8.93	76765	ok	78727	47236-110218
1,4-Difluorobenzene	10.44	ok	10.42	10.09-10.75	323888	ok	335978	201587-470369
Chlorobenzene-D5	14.67	ok	14.66	14.33-14.99	262544	ok	288335	173001-403669

Volatile Surrogate Recovery Summary

Job Number: M64242
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
M64242-2	J10158.D	91.0
M64244-6DUP	J10152.D	92.0
MSJ525-BS	J10146B.D	107.0
MSJ525-MB	J10148.D	95.0

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

Initial Calibration Summary

Job Number: M64242 **Sample:** MSJ525-ICC525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10138.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MSJ

```
Method       : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

Calibration Files
40  =J10143.D    20  =J10137.D    10  =J10138.D    5   =J10139.D
2   =J10140.D    .5  =J10141.D    .2  =J10144.D    4   =J10094.D

 Compound         40    20    10    5     2     .5    .2    4     Avg %RSD
-------------------------------------------------------------------------------

1) I   BROMOCHLOROMETHANE    ----------------ISTD---------------------
2) DICHLORODIFL 3.750 3.538 3.949 3.969 4.279 4.038 4.243       3.967   6.59
3) PROPYLENE    0.498 0.519 0.555 0.535 0.584 0.445 0.216       0.479  25.87
4) FREON 114    3.015 2.861 3.101 3.031 3.501 3.228 3.554       3.184   8.13
5) CHLOROMETHAN 0.649 0.669 0.740 0.698 0.772 0.365 0.179       0.582  38.18
            ----- Linear regression -----  Coefficient =  0.9986
              Response Ratio = 0.02102 + 0.65030 *A

6) VINYL CHLORI 0.823 0.834 0.899 0.855 0.934 0.796 0.511       0.808  17.18
7) 1,3-BUTADIEN 0.617 0.595 0.613 0.599 0.643 0.219 0.315       0.514  33.45
            ----- Linear regression -----  Coefficient =  0.9997
              Response Ratio = -0.01023 + 0.61627 *A

8) BROMOMETHANE 0.983 0.963 1.019 0.992 1.115 0.979 0.754       0.972  11.17
9) CHLOROETHANE 0.390 0.390 0.403 0.378 0.447 0.251 0.062       0.332  40.19
            ----- Linear regression -----  Coefficient =  0.9998
              Response Ratio = 0.00001 + 0.39087 *A

10) TRICHLOROFLU 3.855 3.438 3.738 3.707 4.457 4.094 4.539      3.975  10.25
11) ISOPROPYL AL 1.088 0.978 0.986 0.903 1.322 0.979 1.053      1.044  13.05
12) ACETONE      1.049 0.900 0.912 0.888 1.366 1.107 1.632      1.122  25.04
13) PENTANE      0.665 0.643 0.678 0.647 0.776 0.633 0.533      0.654  10.94
14) 1,1-DICHLORO 0.936 0.909 0.931 0.886 0.982 0.781 0.724      0.878  10.49
15) CARBON DISUL 2.504 2.431 2.632 2.514 2.903 2.645 3.172      2.686   9.80
16) ETHANOL      0.161 0.147 0.153 0.125 0.212 0.027            0.138  44.55
            ----- Linear regression -----  Coefficient =  0.9968
              Response Ratio = -0.00788 + 0.16084 *A

17) BROMOETHENE  1.012 0.970 1.011 0.945 1.065 0.842 0.285      0.876  30.82
            ----- Linear regression -----  Coefficient =  0.9995
              Response Ratio = -0.01520 + 1.00872 *A

18) METHYLENE CH 0.820 0.809 0.814 0.778 1.466 1.972 2.969      1.375  60.88
            ----- Linear regression -----  Coefficient =  0.9983
              Response Ratio = 0.04600 + 0.80185 *A

19) 3-CHLOROPROP 0.801 0.722 0.704 0.625 0.824 0.621 0.074      0.624  40.80
            ----- Linear regression -----  Coefficient =  0.9971
              Response Ratio = -0.04695 + 0.79670 *A

20) FREON 113    2.067 1.885 1.923 1.853 2.398 2.052 2.068      2.035   9.02
21) TRANS-1,2-DI 0.958 0.909 0.921 0.846 1.065 0.848 0.754      0.900  10.91
22) TERTIARY BUT 1.691 1.433 1.436 1.319 1.696 1.277 0.811      1.381  21.74
23) METHYL TERTI 2.229 1.872 1.889 1.804 2.287 1.802 1.620      1.929  12.53
24) TETRAHYDROFU 0.594 0.523 0.508 0.460 0.577 0.248 0.102      0.430  42.99
            ----- Linear regression -----  Coefficient =  0.9961
```

Initial Calibration Summary

Job Number: M64242 **Sample:** MSJ525-ICC525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10138.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Ratio = -0.04274 + 0.59085 *A

25)	HEXANE	1.014	0.913	0.921	0.921	1.452	1.242	1.348	1.116	20.37
26)	VINYL ACETAT	1.385	1.145	1.114	1.084	1.366	0.948	0.677	1.103	22.10
27)	1,1-DICHLORO	1.614	1.486	1.459	1.373	1.760	1.496	1.329	1.502	9.73
28)	METHYL ETHYL	1.140	0.978	0.996	0.922	1.329	0.972	1.222	1.080	14.14
29)	cis-1,2-DICH	0.983	0.891	0.877	0.800	0.997	0.834	0.748	0.876	10.44
30)	ETHYL ACETAT	1.271	1.054	1.065	0.979	1.356	1.026	1.025	1.111	12.89
31)	CHLOROFORM	2.449	2.130	2.150	2.040	2.688	2.251	2.218	2.275	9.78
32)	1,1,1-TRICHL	2.977	2.606	2.594	2.420	3.219	2.666	2.693	2.739	9.82
33)	CARBON TETRA	3.669	3.150	3.230	3.193	3.998	3.484	3.490	3.459	8.80
34)	1,2-DICHLORO	1.518	1.233	1.236	1.180	1.589	1.145	1.324	1.318	13.00
35)	I 1,4-DIFLUOROBENZENE	----------ISTD----------								
36)	BENZENE	0.571	0.481	0.447	0.418	0.579	0.411	0.464	0.481	14.18
37)	CYCLOHEXANE	0.256	0.233	0.230	0.213	0.258	0.174	0.127	0.213	22.24
38)	TRICHLOROETH	0.325	0.251	0.251	0.238	0.317	0.241	0.252	0.268	13.77
39)	1,2-DICHLORO	0.185	0.152	0.146	0.140	0.194	0.121	0.122	0.152	18.91
40)	BROMODICHLOR	0.574	0.449	0.443	0.435	0.603	0.450	0.489	0.492	14.01
41)	2,2,4-TRIMET	0.933	0.818	0.763	0.679	0.890	0.605	0.593	0.755	17.82
42)	1,4-DIOXANE	0.108	0.090	0.086	0.060	0.115			0.092	23.32
43)	HEPTANE	0.269	0.224	0.217	0.200	0.253	0.157	0.123	0.206	24.94
44)	METHYL ISOBU	0.355	0.285	0.268	0.231	0.374	0.199	0.279	0.284	21.96
45)	cis-1,3-DICH	0.344	0.268	0.263	0.234	0.313	0.182	0.212	0.260	21.61
46)	TOLUENE	0.430	0.333	0.324	0.299	0.393	0.252	0.241	0.325	21.33
47)	trans-1,3-DI	0.310	0.238	0.229	0.198	0.265	0.140	0.120	0.214	31.44

----- Quadratic regression ----- Coefficient = 0.9995
Response Ratio = 0.00560 + 0.17438 *A + 0.03342 *A^2

48)	1,1,2-TRICHL	0.211	0.167	0.164	0.152	0.213	0.146	0.133	0.169	18.42
49)	I CHLOROBENZENE-D5	----------ISTD----------								
50)	2-HEXANONE	0.323	0.273	0.250	0.222	0.401	0.195	0.352	0.288	25.72
51)	TETRACHLOROE	0.423	0.333	0.326	0.315	0.424	0.335	0.342	0.357	12.98
52)	DIBROMOCHLOR	0.664	0.529	0.536	0.516	0.699	0.538	0.647	0.590	13.02
53)	1,2-DIBROMOE	0.466	0.372	0.368	0.344	0.486	0.340	0.439	0.402	14.99
54)	CHLOROBENZEN	0.666	0.544	0.548	0.520	0.697	0.518	0.658	0.593	13.03
55)	ETHYLBENZENE	1.077	0.876	0.865	0.807	1.034	0.606	0.694	0.851	19.90
56)	m,p-XYLENE	0.445	0.350	0.341	0.321	0.422	0.249	0.264	0.342	21.42
57)	o-XYLENE	0.463	0.357	0.345	0.311	0.419	0.219	0.246	0.337	25.99
58)	STYRENE	0.658	0.527	0.485	0.406	0.569	0.270	0.329	0.463	29.53
59)	NONANE	0.439	0.361	0.349	0.310	0.446	0.233	0.168	0.329	30.98

----- Quadratic regression ----- Coefficient = 0.9995
Response Ratio = 0.00760 + 0.28988 *A + 0.03656 *A^2

60)	BROMOFORM	0.709	0.548	0.540	0.498	0.760	0.510	0.715	0.612	18.23
61)	4-BROMOFLUOR	0.746	0.671	0.624	0.593	0.645	0.572	0.544	0.628	10.79
62)	1,1,2,2-TETR	0.625	0.495	0.469	0.422	0.739	0.480	0.651	0.554	21.09
63)	ISOPROPYLBEN	1.369	1.065	1.031	0.940	1.292	0.762	0.831	1.042	21.59
64)	2-CHLOROTOLU	0.956	0.743	0.696	0.622	0.927	0.490	0.674	0.730	22.66
65)	4-ETHYLTOLUE	1.185	0.903	0.829	0.714	1.106	0.588	0.640	0.852	26.76
66)	1,3,5-TRIMET	1.154	0.873	0.803	0.721	1.171	0.588	0.735	0.864	25.69
67)	1,2,4-TRIMET	1.101	0.828	0.748	0.652	1.090	0.497	0.717	0.805	27.73
68)	m-DICHLOROBE	0.777	0.580	0.536	0.471	0.839	0.465	0.842	0.644	26.32
69)	BENZYL CHLOR	0.703	0.527	0.477	0.394	0.736	0.389	0.590	0.545	25.47
70)	p-DICHLOROBE	0.733	0.558	0.516	0.428	0.789	0.452	0.871	0.621	28.18
71)	o-DICHLOROBE	0.692	0.522	0.466	0.408	0.806	0.488	0.875	0.608	30.00

----- Quadratic regression ----- Coefficient = 0.9992
Response Ratio = 0.03081 + 0.33905 *A + 0.08613 *A^2

Initial Calibration Summary

Job Number: M64242 **Sample:** MSJ525-ICC525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10138.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
72) HEXACHLOROBU 0.409 0.286 0.281 0.276 1.214 0.895 1.228       0.656  67.63
73) 1,2,4-TRICHL 0.250 0.205 0.186 0.157 0.650 0.437 0.964       0.407  74.15
         ----- Quadratic regression -----                Coefficient =  0.9916
              Response Ratio = 0.03523 + 0.12887 *A + 0.02808 *A^2

74) NAPHTHALENE                                                  0.000  -1.00
---------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          J042607T.M        Fri Apr 27 14:23:00 2007
```

5.8

5

Continuing Calibration Summary

Job Number: M64242 **Sample:** MSJ525-CC525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10146A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\J10146A.D                    Vial: 2
Acq On    : 27 Apr 2007  10:50 am                     Operator: danat
Sample    : CC525-10 (M050)                           Inst    : MSJ
Misc      : MS13434, MSJ525,,,,,1                     Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Fri Apr 27 09:59:19 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  40%  Max. R.T. Dev  0.33min
Max. RRF Dev :  30%     Max. Rel. Area : 180%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	100	0.02	8.62
2	m	DICHLORODIFLUOROMETHANE	3.967	3.342	15.8	84	0.00	4.06
3	m	PROPYLENE	0.479	0.425	11.3	76	0.00	3.99
4	m	FREON 114	3.184	2.652	16.7	85	0.00	4.32
		----------	True	Calc.	% Drift	----------		
5	m	CHLOROMETHANE	10.000	8.529	14.7	78	0.01	4.23
		----------	AvgRF	CCRF	% Dev	----------		
6	m	VINYL CHLORIDE	0.808	0.743	8.0	82	0.00	4.44
		----------	True	Calc.	% Drift	----------		
7	m	1,3-BUTADIENE	10.000	9.055	9.5	89	0.01	4.58
		----------	AvgRF	CCRF	% Dev	----------		
8	m	BROMOMETHANE	0.972	0.883	9.2	86	0.02	4.86
		----------	True	Calc.	% Drift	----------		
9	m	CHLOROETHANE	10.000	8.797	12.0	85	0.02	5.02
		----------	AvgRF	CCRF	% Dev	----------		
10	m	TRICHLOROFLUOROMETHANE	3.975	3.462	12.9	92	0.02	5.79
11	m	ISOPROPYL ALCOHOL	1.044	0.833	20.2	84	0.03	5.91
12	m	ACETONE	1.122	0.861	23.3	94	0.02	5.64
13	m	PENTANE	0.654	0.569	13.0	83	0.02	6.13
14	m	1,1-DICHLOROETHYLENE	0.878	0.858	2.3	92	0.02	6.42
15	m	CARBON DISULFIDE	2.686	2.322	13.6	88	0.02	6.84
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	8.616	13.8	85	0.03	5.18
17	m	BROMOETHENE	10.000	8.936	10.6	87	0.02	5.38
18	m	METHYLENE CHLORIDE	10.000	8.664	13.4	91	0.02	6.54
19	m	3-CHLOROPROPENE	10.000	8.173	18.3	85	0.03	6.66
		----------	AvgRF	CCRF	% Dev	----------		
20	m	FREON 113	2.035	1.828	10.2	95	0.02	6.79
21	m	TRANS-1,2-DICHLOROETHYLEN	0.900	0.824	8.4	89	0.02	7.45
22	m	TERTIARY BUTYL ALCOHOL	1.381	1.290	6.6	89	0.03	6.51
23	m	METHYL TERTIARY BUTYL ETH	1.929	1.811	6.1	95	0.02	7.72
		----------	True	Calc.	% Drift	----------		
24	m	TETRAHYDROFURAN	10.000	8.602	14.0	91	0.02	9.17

Continuing Calibration Summary

Job Number: M64242 **Sample:** MSJ525-CC525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10146A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

			AvgRF	CCRF	% Dev			
25	m	HEXANE	1.116	0.870	22.0	94	0.02	8.63
26	m	VINYL ACETATE	1.103	0.989	10.3	88	0.02	7.79
27	m	1,1-DICHLOROETHANE	1.502	1.363	9.3	93	0.02	7.65
28	m	METHYL ETHYL KETONE	1.080	0.906	16.1	91	0.02	8.06
29	m	cis-1,2-DICHLOROETHYLENE	0.876	0.789	9.9	90	0.02	8.46
30	m	ETHYL ACETATE	1.111	1.014	8.7	95	0.02	8.68
31	m	CHLOROFORM	2.275	2.051	9.8	95	0.02	8.74
32	m	1,1,1-TRICHLOROETHANE	2.739	2.418	11.7	93	0.02	9.68
33	m	CARBON TETRACHLORIDE	3.459	3.106	10.2	96	0.01	10.25
34	m	1,2-DICHLOROETHANE	1.318	1.155	12.4	93	0.02	9.45
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	95	0.02	10.44
36	m	BENZENE	0.481	0.431	10.4	91	0.02	10.12
37	m	CYCLOHEXANE	0.213	0.218	-2.3	90	0.02	10.37
38	m	TRICHLOROETHYLENE	0.268	0.245	8.6	93	0.02	11.11
39	m	1,2-DICHLOROPROPANE	0.152	0.138	9.2	90	0.02	10.90
40	m	BROMODICHLOROMETHANE	0.492	0.455	7.5	98	0.02	11.09
41	m	2,2,4-TRIMETHYLPENTANE	0.755	0.703	6.9	87	0.02	11.12
42	m	1,4-DIOXANE	0.092	0.078	15.2	86	0.02	11.16
43	m	HEPTANE	0.206	0.211	-2.4	92	0.02	11.36
44	m	METHYL ISOBUTYL KETONE	0.284	0.260	8.5	92	0.01	11.98
45	m	cis-1,3-DICHLOROPROPENE	0.260	0.222	14.6	80	0.01	11.93
46	m	TOLUENE	0.325	0.309	4.9	90	0.01	12.89
			True	Calc.	% Drift			
47	m	trans-1,3-DICHLOROPROPENE	10.000	9.482	5.2	83	0.01	12.44
			AvgRF	CCRF	% Dev			
48	m	1,1,2-TRICHLOROETHANE	0.169	0.152	10.1	88	0.01	12.62
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	97	0.00	14.67
50	m	2-HEXANONE	0.288	0.222	22.9	86	0.01	13.15
51	m	TETRACHLOROETHYLENE	0.357	0.319	10.6	95	0.00	14.01
52	m	DIBROMOCHLOROMETHANE	0.590	0.523	11.4	95	0.01	13.32
53	m	1,2-DIBROMOETHANE	0.402	0.315	21.6	83	0.01	13.57
54	m	CHLOROBENZENE	0.519	0.482	7.1	86	0.01	14.72
55	m	ETHYLBENZENE	0.851	0.835	1.9	94	0.00	15.09
56	m	m,p-XYLENE	0.342	0.319	6.7	91	0.00	15.28
57	m	o-XYLENE	0.337	0.334	0.9	94	0.00	15.78
58	m	STYRENE	0.463	0.380	17.9	76	0.00	15.66
			True	Calc.	% Drift			
59	m	NONANE	10.000	9.954	0.5	93	0.00	15.97
			AvgRF	CCRF	% Dev			
60	m	BROMOFORM	0.612	0.529	13.6	95	0.00	15.40
61	S	4-BROMOFLUOROBENZENE	0.549	0.669	-21.9	104	0.00	16.29
62	m	1,1,2,2-TETRACHLOROETHANE	0.554	0.446	19.5	93	0.00	15.79
63	m	ISOPROPYLBENZENE	1.042	1.005	3.6	95	0.00	16.43
64	m	2-CHLOROTOLUENE	0.730	0.662	9.3	93	0.00	16.98
65	m	4-ETHYLTOLUENE	0.852	0.812	4.7	95	0.00	17.17
66	m	1,3,5-TRIMETHYLBENZENE	0.864	0.801	7.3	97	0.00	17.25
67	m	1,2,4-TRIMETHYLBENZENE	0.805	0.697	13.4	91	0.00	17.72
68	m	m-DICHLOROBENZENE	0.644	0.394	38.8#	72	0.00	17.91
69	m	BENZYL CHLORIDE	0.545	0.319	41.5#	65	0.00	17.88
70	m	p-DICHLOROBENZENE	0.621	0.330	46.9#	62	0.00	17.98
			True	Calc.	% Drift			

Continuing Calibration Summary

Job Number: M64242 **Sample:** MSJ525-CC525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10146A.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
71 m   o-DICHLOROBENZENE          10.000   8.588     14.1   81   0.00   18.37

           ----------------------- AvgRF   CCRF     % Dev   -------------
72 m   HEXACHLOROBUTADIENE         0.656   0.284     56.7#  99   0.00   20.76

           ----------------------- True    Calc.   % Drift  ------------
73 m   1,2,4-TRICHLOROBENZENE     10.000   3.615     63.8#  45   0.00   20.27

           ----------------------- AvgRF   CCRF     % Dev   -------------
74 m   NAPHTHALENE                         ----------NA----------
-------------------------------------------------------------------------------

 (  7.1 %)  5 of  70 compounds'%D > 30
-------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    J10138.D   J042607T.M       Fri Apr 27 14:41:48 2007
```

Initial Calibration Verification

Job Number: M64242 **Sample:** MSJ525-ICV525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10146.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10146.D Vial: 2
Acq On : 27 Apr 2007 10:50 am Operator: danat
Sample : ICV525-10 (M050) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:59:19 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 40% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 180%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	100	0.02	8.62
2	m	DICHLORODIFLUOROMETHANE	3.967	3.342	15.8	84	0.00	4.06
3	m	PROPYLENE	0.479	0.425	11.3	76	0.00	3.99
4	m	FREON 114	3.184	2.652	16.7	85	0.00	4.32
		----------	True	Calc.	% Drift	----------		
5	m	CHLOROMETHANE	10.000	8.529	14.7	78	0.01	4.23
		----------	AvgRF	CCRF	% Dev	----------		
6	m	VINYL CHLORIDE	0.808	0.743	8.0	82	0.00	4.44
		----------	True	Calc.	% Drift	----------		
7	m	1,3-BUTADIENE	10.000	9.055	9.5	89	0.01	4.58
		----------	AvgRF	CCRF	% Dev	----------		
8	m	BROMOMETHANE	0.972	0.883	9.2	86	0.02	4.86
		----------	True	Calc.	% Drift	----------		
9	m	CHLOROETHANE	10.000	8.797	12.0	85	0.02	5.02
		----------	AvgRF	CCRF	% Dev	----------		
10	m	TRICHLOROFLUOROMETHANE	3.975	3.462	12.9	92	0.02	5.79
11	m	ISOPROPYL ALCOHOL	1.044	0.833	20.2	84	0.03	5.91
12	m	ACETONE	1.122	0.861	23.3	94	0.02	5.64
13	m	PENTANE	0.654	0.569	13.0	83	0.02	6.13
14	m	1,1-DICHLOROETHYLENE	0.878	0.858	2.3	92	0.02	6.42
15	m	CARBON DISULFIDE	2.686	2.322	13.6	88	0.02	6.84
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	8.616	13.8	85	0.03	5.18
17	m	BROMOETHENE	10.000	8.936	10.6	87	0.02	5.38
18	m	METHYLENE CHLORIDE	10.000	8.664	13.4	91	0.02	6.54
19	m	3-CHLOROPROPENE	10.000	8.173	18.3	85	0.03	6.66
		----------	AvgRF	CCRF	% Dev	----------		
20	m	FREON 113	2.035	1.828	10.2	95	0.02	6.79
21	m	TRANS-1,2-DICHLOROETHYLEN	0.900	0.824	8.4	89	0.02	7.45
22	m	TERTIARY BUTYL ALCOHOL	1.381	1.290	6.6	89	0.03	6.51
23	m	METHYL TERTIARY BUTYL ETH	1.929	1.811	6.1	95	0.02	7.72
		----------	True	Calc.	% Drift	----------		
24	m	TETRAHYDROFURAN	10.000	8.602	14.0	91	0.02	9.17

Initial Calibration Verification

Job Number: M64242 **Sample:** MSJ525-ICV525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10146.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

			AvgRF	CCRF	% Dev			
25	m	HEXANE	1.116	0.870	22.0	94	0.02	8.63
26	m	VINYL ACETATE	1.103	0.989	10.3	88	0.02	7.79
27	m	1,1-DICHLOROETHANE	1.502	1.363	9.3	93	0.02	7.65
28	m	METHYL ETHYL KETONE	1.080	0.906	16.1	91	0.02	8.06
29	m	cis-1,2-DICHLOROETHYLENE	0.876	0.789	9.9	90	0.02	8.46
30	m	ETHYL ACETATE	1.111	1.014	8.7	95	0.02	8.68
31	m	CHLOROFORM	2.275	2.051	9.8	95	0.02	8.74
32	m	1,1,1-TRICHLOROETHANE	2.739	2.418	11.7	93	0.02	9.68
33	m	CARBON TETRACHLORIDE	3.459	3.106	10.2	96	0.01	10.25
34	m	1,2-DICHLOROETHANE	1.318	1.155	12.4	93	0.02	9.45
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	95	0.02	10.44
36	m	BENZENE	0.481	0.431	10.4	91	0.02	10.12
37	m	CYCLOHEXANE	0.213	0.218	-2.3	90	0.02	10.37
38	m	TRICHLOROETHYLENE	0.268	0.245	8.6	93	0.02	11.11
39	m	1,2-DICHLOROPROPANE	0.152	0.138	9.2	90	0.02	10.90
40	m	BROMODICHLOROMETHANE	0.492	0.455	7.5	98	0.02	11.09
41	m	2,2,4-TRIMETHYLPENTANE	0.755	0.703	6.9	87	0.02	11.12
42	m	1,4-DIOXANE	0.092	0.078	15.2	86	0.02	11.16
43	m	HEPTANE	0.206	0.211	-2.4	92	0.02	11.36
44	m	METHYL ISOBUTYL KETONE	0.284	0.260	8.5	92	0.01	11.98
45	m	cis-1,3-DICHLOROPROPENE	0.260	0.222	14.6	80	0.01	11.93
46	m	TOLUENE	0.325	0.309	4.9	90	0.01	12.89
			True	Calc.	% Drift			
47	m	trans-1,3-DICHLOROPROPENE	10.000	9.482	5.2	83	0.01	12.44
			AvgRF	CCRF	% Dev			
48	m	1,1,2-TRICHLOROETHANE	0.169	0.152	10.1	88	0.01	12.62
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	97	0.00	14.67
50	m	2-HEXANONE	0.288	0.222	22.9	86	0.01	13.15
51	m	TETRACHLOROETHYLENE	0.357	0.319	10.6	95	0.00	14.01
52	m	DIBROMOCHLOROMETHANE	0.590	0.523	11.4	95	0.01	13.32
53	m	1,2-DIBROMOETHANE	0.402	0.315	21.6	83	0.01	13.57
54	m	CHLOROBENZENE	0.519	0.482	7.1	86	0.01	14.72
55	m	ETHYLBENZENE	0.851	0.835	1.9	94	0.00	15.09
56	m	m,p-XYLENE	0.342	0.319	6.7	91	0.00	15.28
57	m	o-XYLENE	0.337	0.334	0.9	94	0.00	15.78
58	m	STYRENE	0.463	0.380	17.9	76	0.00	15.66
			True	Calc.	% Drift			
59	m	NONANE	10.000	9.954	0.5	93	0.00	15.97
			AvgRF	CCRF	% Dev			
60	m	BROMOFORM	0.612	0.529	13.6	95	0.00	15.40
61	S	4-BROMOFLUOROBENZENE	0.549	0.669	-21.9	104	0.00	16.29
62	m	1,1,2,2-TETRACHLOROETHANE	0.554	0.446	19.5	93	0.00	15.79
63	m	ISOPROPYLBENZENE	1.042	1.005	3.6	95	0.00	16.43
64	m	2-CHLOROTOLUENE	0.730	0.662	9.3	93	0.00	16.98
65	m	4-ETHYLTOLUENE	0.852	0.812	4.7	95	0.00	17.17
66	m	1,3,5-TRIMETHYLBENZENE	0.864	0.801	7.3	97	0.00	17.25
67	m	1,2,4-TRIMETHYLBENZENE	0.805	0.697	13.4	91	0.00	17.72
68	m	m-DICHLOROBENZENE	0.644	0.394	38.8#	72	0.00	17.91
69	m	BENZYL CHLORIDE	0.545	0.319	41.5#	65	0.00	17.88
70	m	p-DICHLOROBENZENE	0.621	0.330	46.9#	62	0.00	17.98
			True	Calc.	% Drift			

Initial Calibration Verification

Job Number: M64242 **Sample:** MSJ525-ICV525
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10146.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
71 m   o-DICHLOROBENZENE          10.000   8.588     14.1   81   0.00   18.37

           ----------------------- AvgRF   CCRF     % Dev   -------------
72 m   HEXACHLOROBUTADIENE         0.656   0.284     56.7#  99   0.00   20.76

           ----------------------- True    Calc.   % Drift  ------------
73 m   1,2,4-TRICHLOROBENZENE     10.000   3.615     63.8#  45   0.00   20.27

           ----------------------- AvgRF   CCRF     % Dev   -------------
74 m   NAPHTHALENE                         ----------NA----------
-------------------------------------------------------------------------------

 (  7.1 %)  5 of  70 compounds'%D > 30
-------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    J10138.D   J042607T.M       Fri Apr 27 14:22:26 2007
```

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10158.D
Acq On : 27 Apr 2007 8:45 pm
Operator : danat
Sample : M64242-2 (M024)
Misc : MS13445, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 30 08:34:35 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

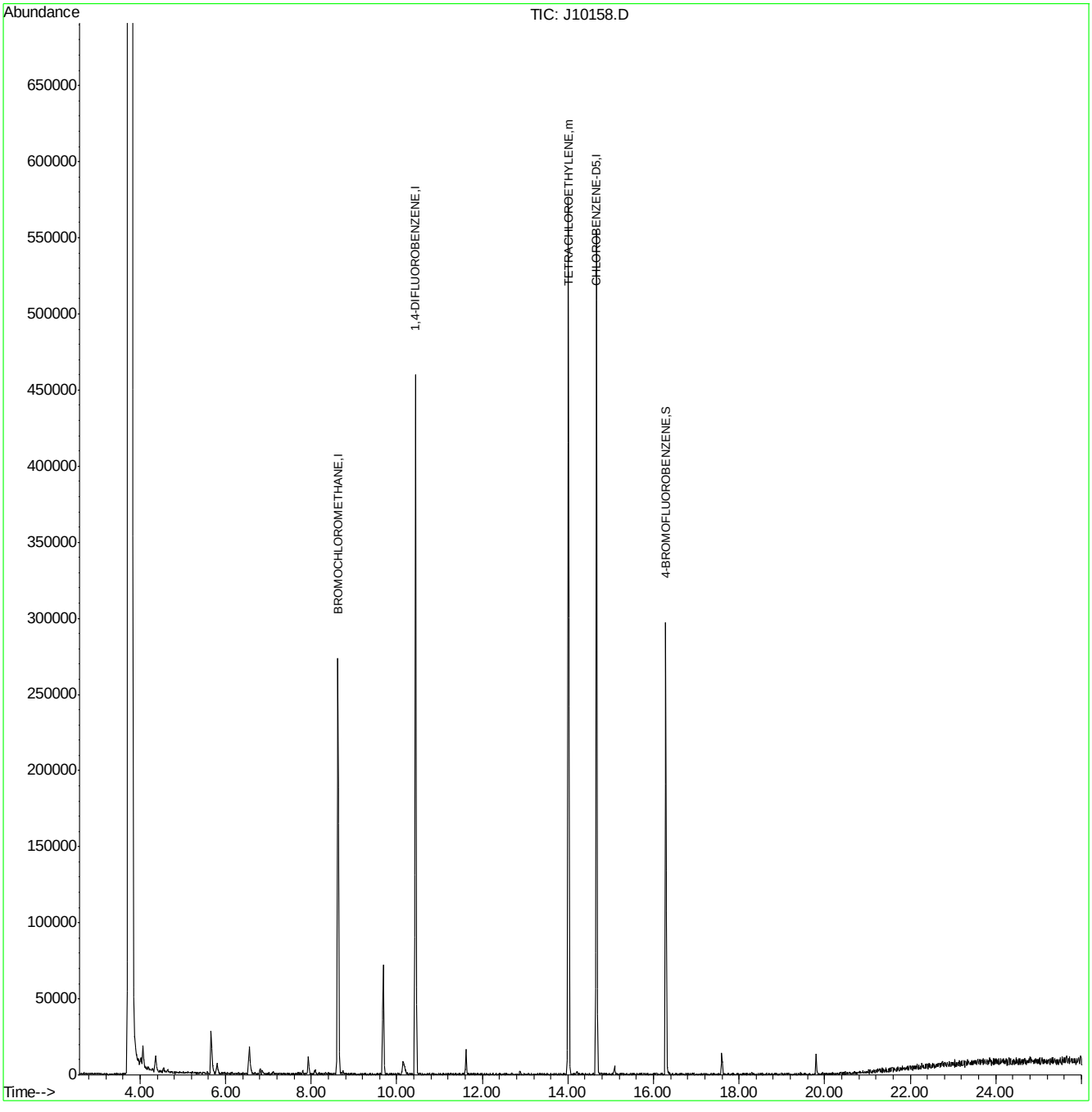
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	77111	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.44	114	334467	10.00	PPBV	0.02
49) CHLOROBENZENE-D5	14.67	117	289667	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.28	95	82581	4.54	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 90.80%			
Target Compounds						Qvalue
51) TETRACHLOROETHYLENE	14.01	164	122689	11.87	PPBV	98

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

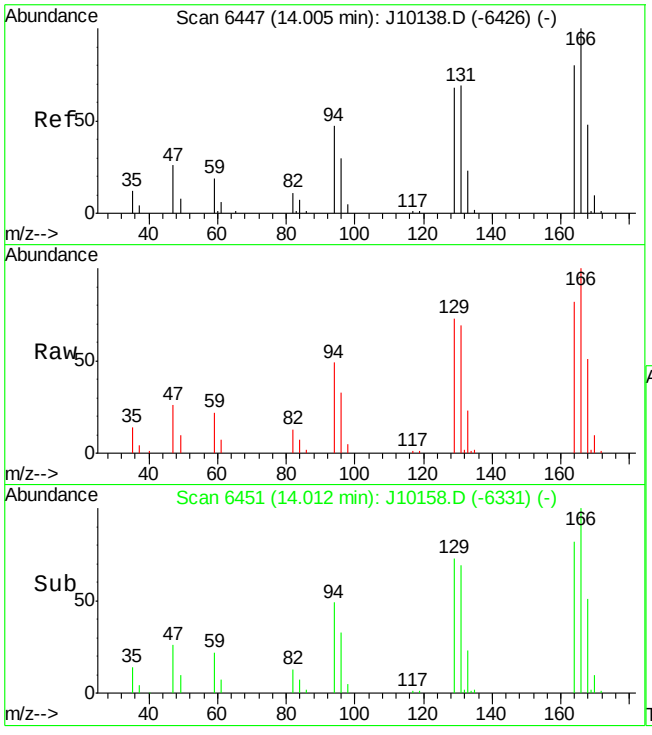
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10158.D
Acq On : 27 Apr 2007 8:45 pm
Operator : danat
Sample : M64242-2 (M024)
Misc : MS13445, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 30 08:34:35 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration



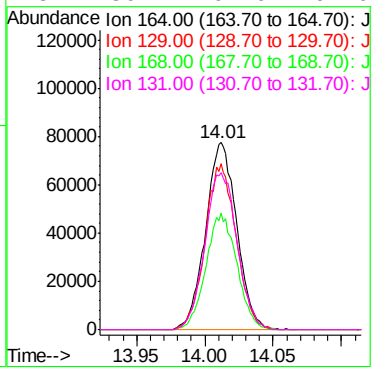
J042607T.M Mon Apr 30 08:34:50 2007 Page: 2



#51
TETRACHLOROETHYLENE
Concen: 11.87 PPBV
RT: 14.01 min Scan# 6451
Delta R.T. 0.01 min
Lab File: J10158.D
Acq: 27 Apr 2007 8:45 pm

Tgt Ion:164 Resp: 122689

Ion	Ratio	Lower	Upper
164	100		
129	88.0	70.9	110.9
168	61.5	42.4	82.4
131	86.4	67.9	107.9



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10148.D
Acq On : 27 Apr 2007 12:25 pm
Operator : danat
Sample : MB (M073)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 27 14:40:10 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	75377	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.44	114	317042	10.00	PPBV	0.02
49) CHLOROBENZENE-D5	14.67	117	278019	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	82808	4.74	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 94.80%

Target Compounds	Qvalue

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

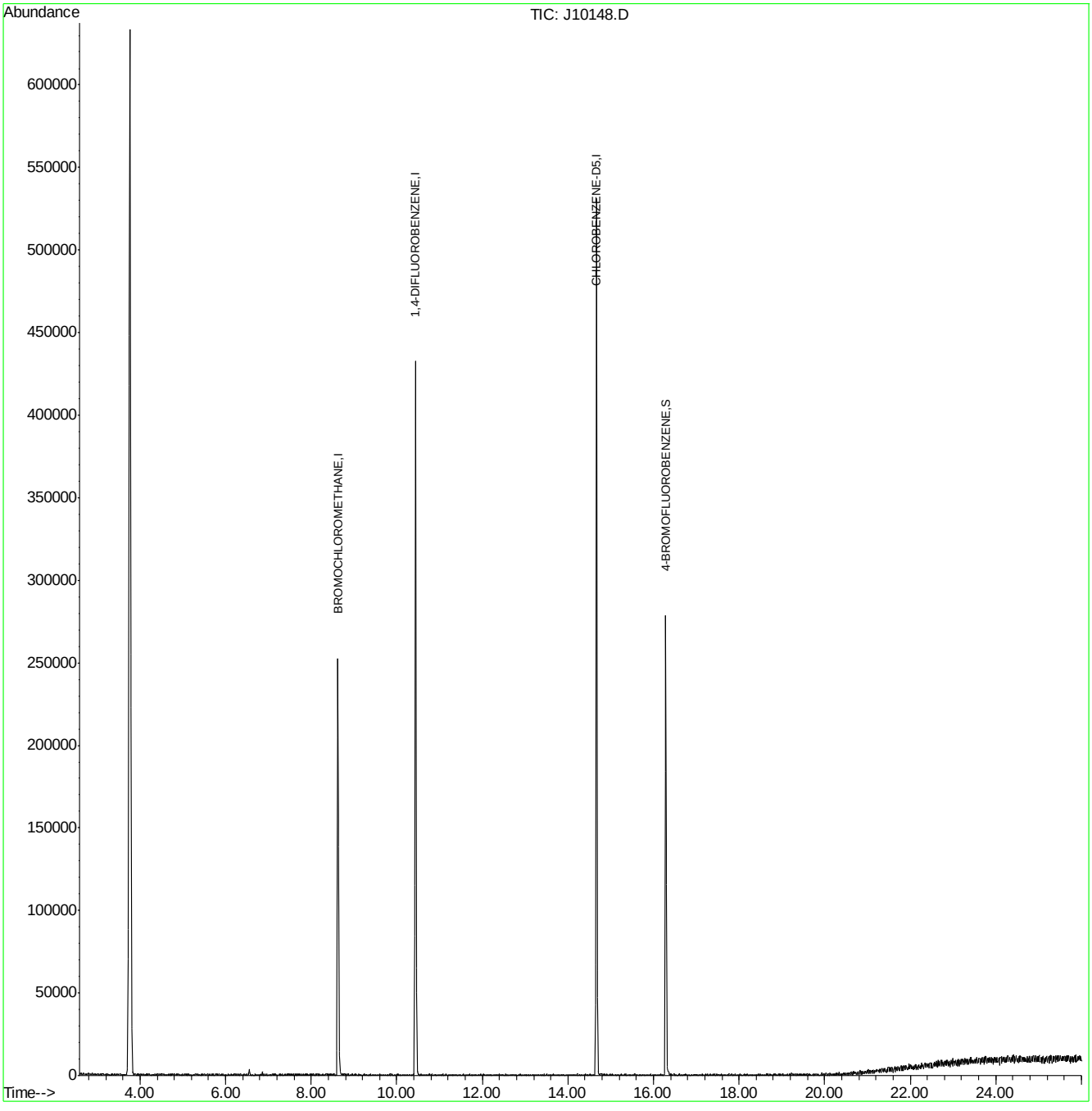
6.2.1

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10148.D
Acq On : 27 Apr 2007 12:25 pm
Operator : danat
Sample : MB (M073)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 27 14:40:10 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10146B.D
Acq On : 27 Apr 2007 10:50 am
Operator : danat
Sample : BS (M050)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 11:37:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	79693	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.44	114	333965	10.00	PPBV	0.02
49) CHLOROBENZENE-D5	14.67	117	292288	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	97770	5.33	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 106.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	266299	8.42	PPBV	100
3) PROPYLENE	3.99	41	33871	8.88	PPBV	86
4) FREON 114	4.32	85	211321	8.33	PPBV	98
5) CHLOROMETHANE	4.23	50	45874	8.53	PPBV	94
6) VINYL CHLORIDE	4.44	62	59232	9.20	PPBV	99
7) 1,3-BUTADIENE	4.58	39	43657	9.06	PPBV	96
8) BROMOMETHANE	4.86	94	70391	9.08	PPBV	99
9) CHLOROETHANE	5.02	64	27402	8.80	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	275915	8.71	PPBV	100
11) ISOPROPYL ALCOHOL	5.91	45	66363	7.98	PPBV	94
12) ACETONE	5.64	43	68633	7.68	PPBV	97
13) PENTANE	6.13	42	45311	8.70	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.42	96	68337	9.76	PPBV	98
15) CARBON DISULFIDE	6.84	76	185076	8.65	PPBV	99
16) ETHANOL	5.18	45	10416	8.62	PPBV	95
17) BROMOETHENE	5.38	106	70620	8.94	PPBV	99
18) METHYLENE CHLORIDE	6.54	84	59029	8.66	PPBV	100
19) 3-CHLOROPROPENE	6.66	39	48150	8.17	PPBV	96
20) FREON 113	6.79	151	145676	8.98	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	65668	9.15	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.51	59	102827	9.35	PPBV	99
23) METHYL TERTIARY BUTYL ETHE	7.72	73	144353	9.39	PPBV	99
24) TETRAHYDROFURAN	9.17	42	37099	8.60	PPBV	99
25) HEXANE	8.63	57	69349	7.80	PPBV	97
26) VINYL ACETATE	7.79	43	78811	8.97	PPBV	99
27) 1,1-DICHLOROETHANE	7.65	63	108583	9.07	PPBV	99
28) METHYL ETHYL KETONE	8.06	43	72198	8.39	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.46	96	62857	9.01	PPBV	99
30) ETHYL ACETATE	8.68	43	80830	9.13	PPBV #	100
31) CHLOROFORM	8.74	83	163451	9.02	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.68	97	192708	8.83	PPBV	99
33) CARBON TETRACHLORIDE	10.25	117	247503	8.98	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	92071	8.77	PPBV	99
36) BENZENE	10.12	78	143794	8.94	PPBV	99
37) CYCLOHEXANE	10.37	84	72848	10.24	PPBV	99
38) TRICHLOROETHYLENE	11.11	95	81820	9.14	PPBV	98
39) 1,2-DICHLOROPROPANE	10.90	63	46044	9.09	PPBV	97
40) BROMODICHLOROMETHANE	11.09	83	152037	9.26	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	234777	9.32	PPBV	99
42) 1,4-DIOXANE	11.16	88	25906	8.46	PPBV	90
43) HEPTANE	11.36	43	70474	10.24	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10146B.D
Acq On : 27 Apr 2007 10:50 am
Operator : danat
Sample : BS (M050)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 11:37:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

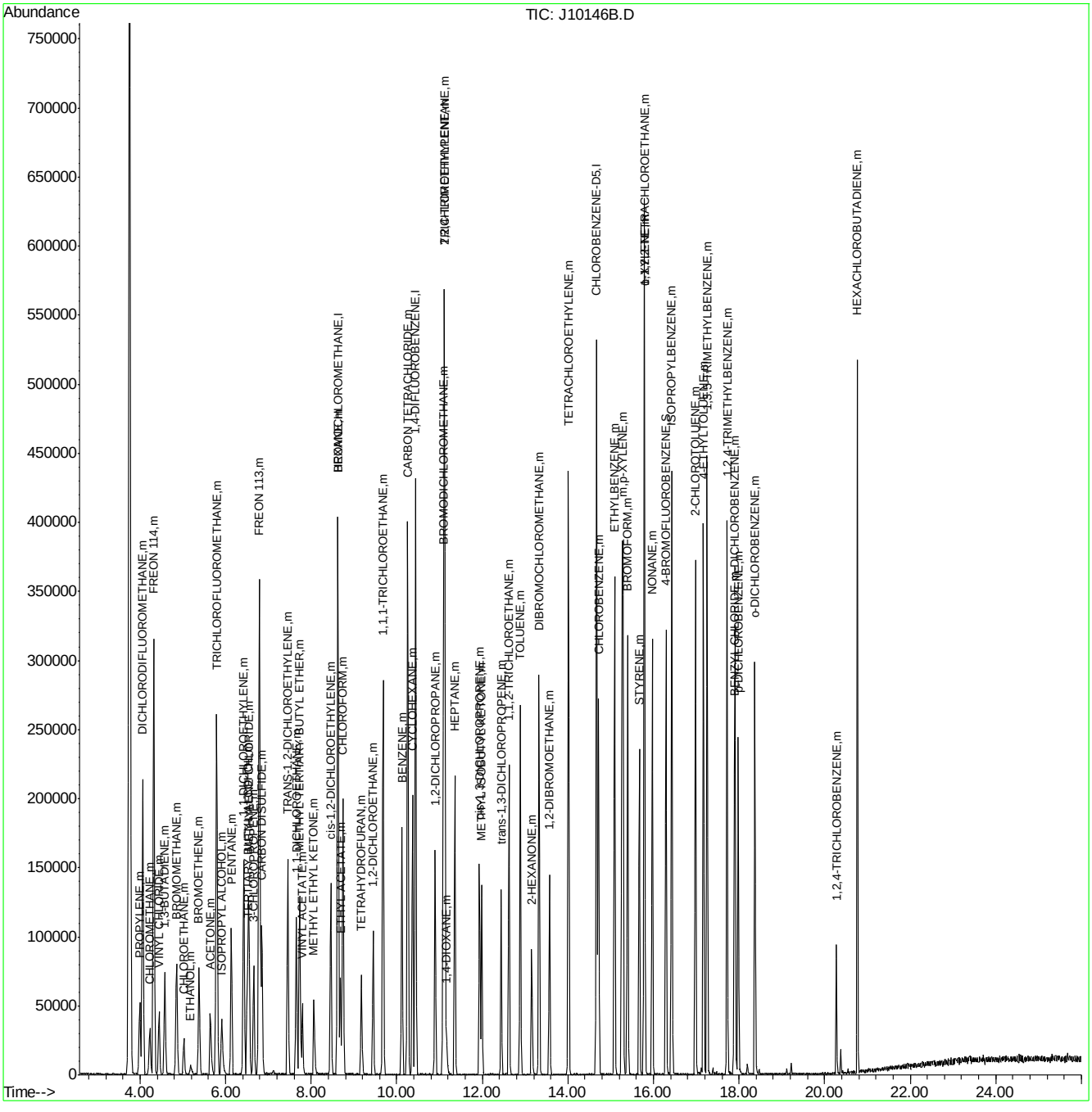
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	86927	9.15	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.93	75	74154	8.55	PPBV	98
46) TOLUENE	12.89	92	103186	9.52	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	67124	9.48	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	50928	9.00	PPBV	97
50) 2-HEXANONE	13.15	43	64782	7.70	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	93182	8.93	PPBV	100
52) DIBROMOCHLOROMETHANE	13.32	129	152892	8.87	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	92209	7.85	PPBV	100
54) CHLOROBENZENE	14.72	112	141008	8.14	PPBV	100
55) ETHYLBENZENE	15.09	91	243957	9.81	PPBV	99
56) m,p-XYLENE	15.28	106	186426	18.67	PPBV	95
57) o-XYLENE	15.78	106	97564	9.90	PPBV	99
58) STYRENE	15.66	104	111088	8.21	PPBV	98
59) NONANE	15.97	43	97150	9.95	PPBV	100
60) BROMOFORM	15.40	173	154730	8.66	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	130473	8.05	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	293832	9.65	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	193587	9.07	PPBV	98
65) 4-ETHYLTOLUENE	17.17	105	237322	9.53	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	233993	9.27	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	203695	8.66	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	115031	6.11	PPBV	99
69) BENZYL CHLORIDE	17.88	91	93290	5.85	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	96408	5.31	PPBV	96
71) o-DICHLOROBENZENE	18.37	146	112679	8.59	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	83127	4.34	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	24987	3.62	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10146B.D
Acq On : 27 Apr 2007 10:50 am
Operator : danat
Sample : BS (M050)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 11:37:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10152.D
Acq On : 27 Apr 2007 4:15 pm
Operator : danat
Sample : M64244-6DUP (M136)
Misc : MS13445, MSJ525,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 27 16:50:01 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	77180	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.44	114	317866	10.00	PPBV	0.02
49) CHLOROBENZENE-D5	14.67	117	273079	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	78590	4.58	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 91.60%

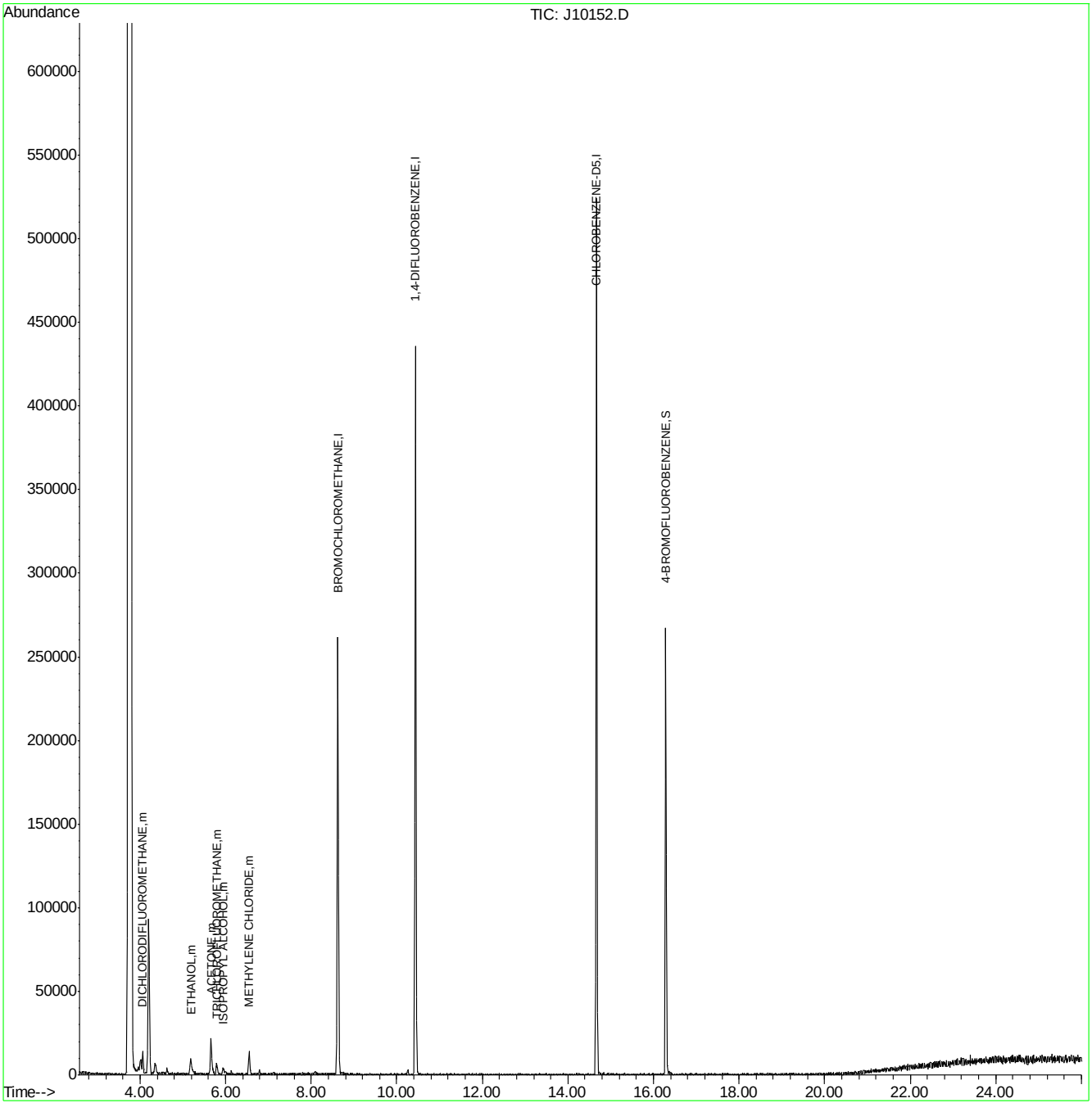
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	15585	0.51	PPBV	94
10) TRICHLOROFLUOROMETHANE	5.79	101	7973	0.26	PPBV	96
11) ISOPROPYL ALCOHOL	5.95	45	6590	0.82	PPBV	98
12) ACETONE	5.66	43	28787	3.32	PPBV	97
16) ETHANOL	5.19	45	14076	11.83	PPBV	66
18) METHYLENE CHLORIDE	6.55	84	7320	0.61	PPBV	99

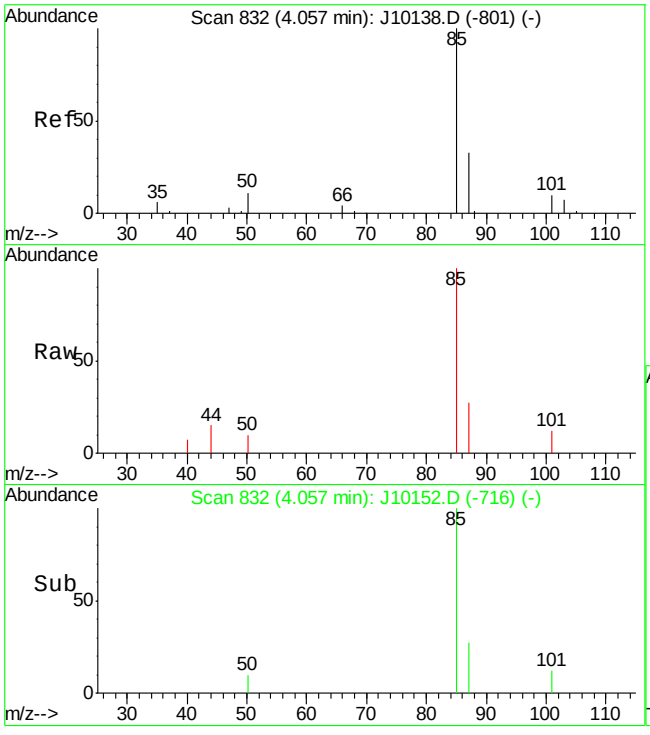
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10152.D
Acq On : 27 Apr 2007 4:15 pm
Operator : danat
Sample : M64244-6DUP (M136)
Misc : MS13445, MSJ525,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 27 16:50:01 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

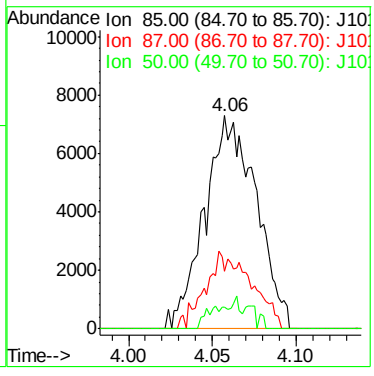


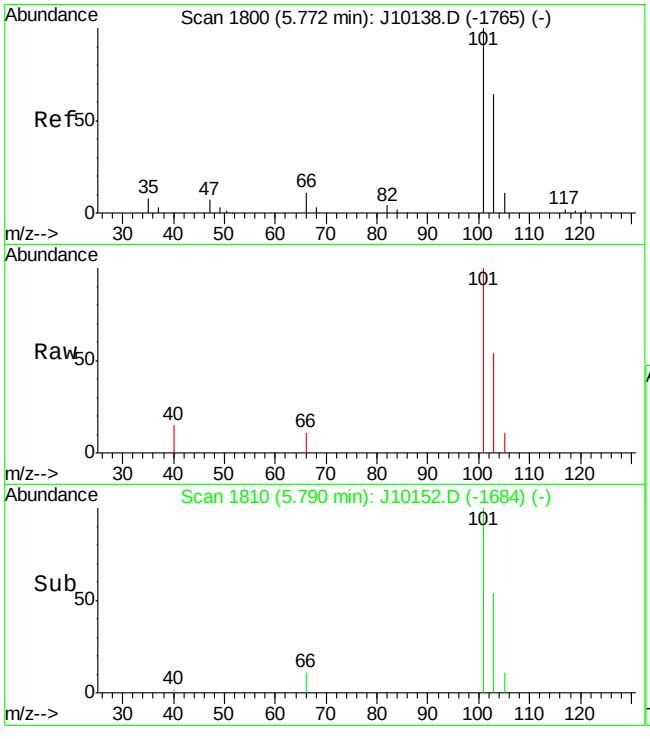


#2
DICHLORODIFLUOROMETHANE
Concen: 0.51 PPBV
RT: 4.06 min Scan# 832
Delta R.T. 0.00 min
Lab File: J10152.D
Acq: 27 Apr 2007 4:15 pm

Tgt Ion: 85 Resp: 15585

Ion	Ratio	Lower	Upper
85	100		
87	32.2	12.7	52.7
50	2.8	0.0	31.4

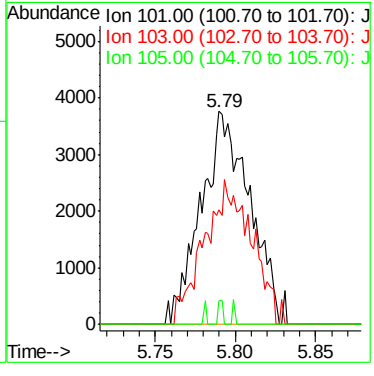


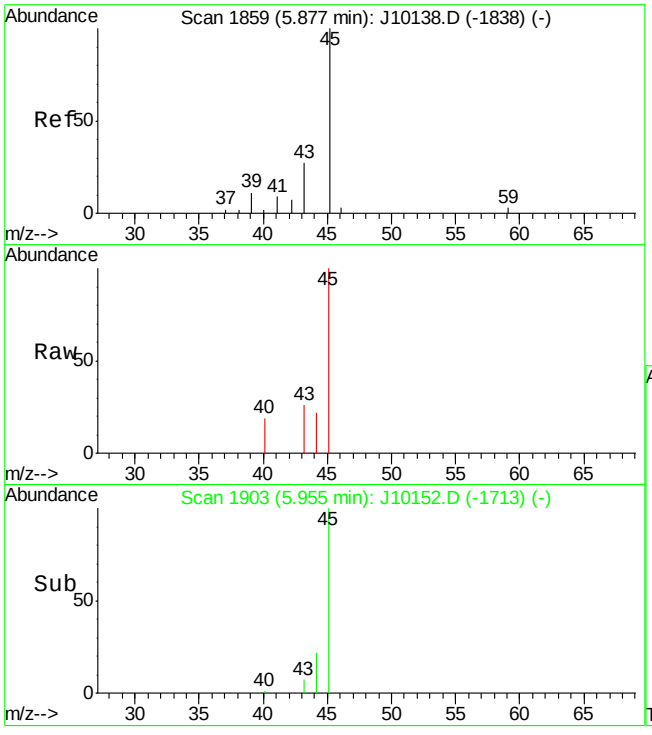


#10
TRICHLOROFLUOROMETHANE
Concen: 0.26 PPBV
RT: 5.79 min Scan# 1810
Delta R.T. 0.02 min
Lab File: J10152.D
Acq: 27 Apr 2007 4:15 pm

Tgt Ion:101 Resp: 7973

Ion	Ratio	Lower	Upper
101	100		
103	65.7	44.7	84.7
105	1.7	0.0	30.7

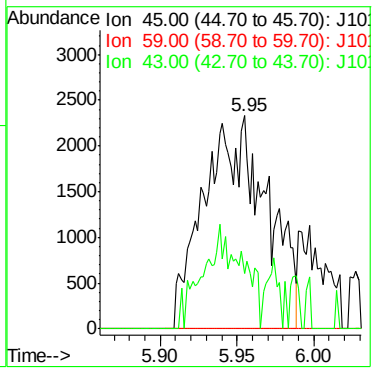


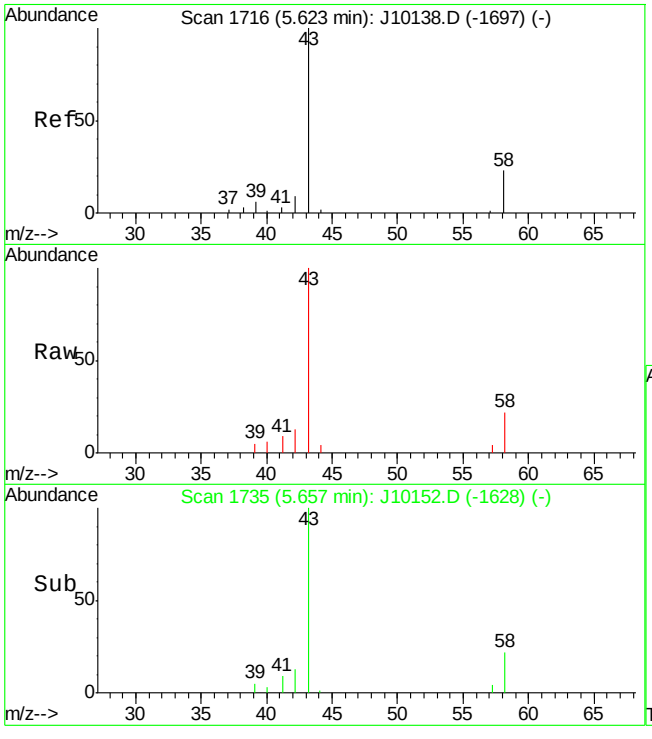


#11
ISOPROPYL ALCOHOL
Concen: 0.82 PPBV
RT: 5.95 min Scan# 1903
Delta R.T. 0.08 min
Lab File: J10152.D
Acq: 27 Apr 2007 4:15 pm

Tgt Ion: 45 Resp: 6590

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	22.6
43	26.2	7.0	47.0

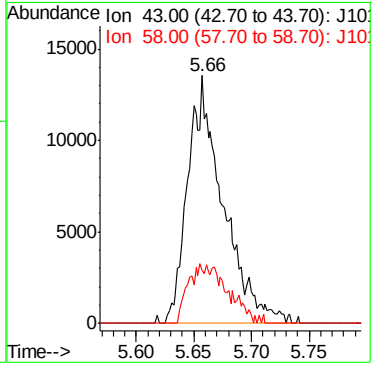


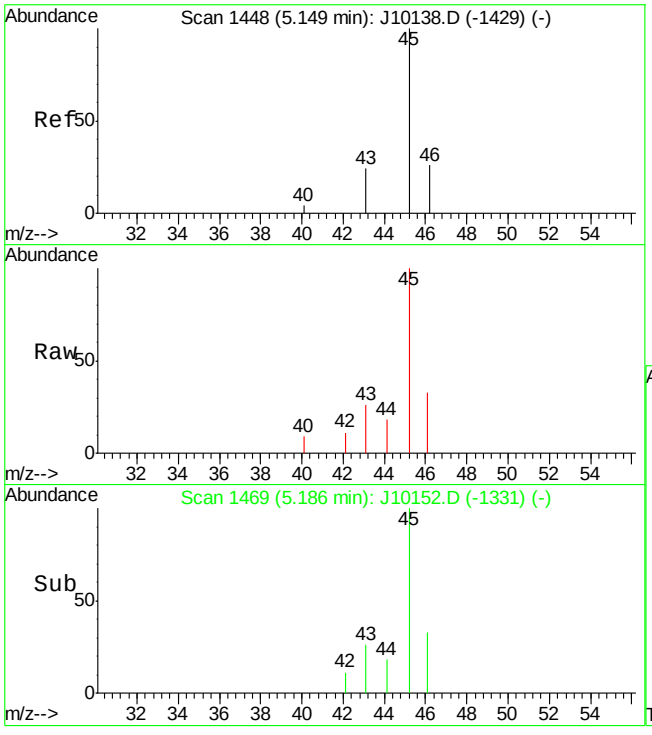


#12
ACETONE
Concen: 3.32 PPBV
RT: 5.66 min Scan# 1735
Delta R.T. 0.03 min
Lab File: J10152.D
Acq: 27 Apr 2007 4:15 pm

Tgt Ion: 43 Resp: 28787

Ion	Ratio	Lower	Upper
43	100		
58	26.7	5.2	45.2

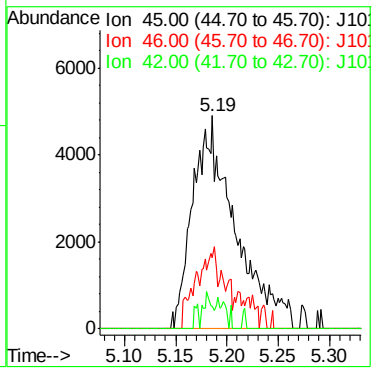


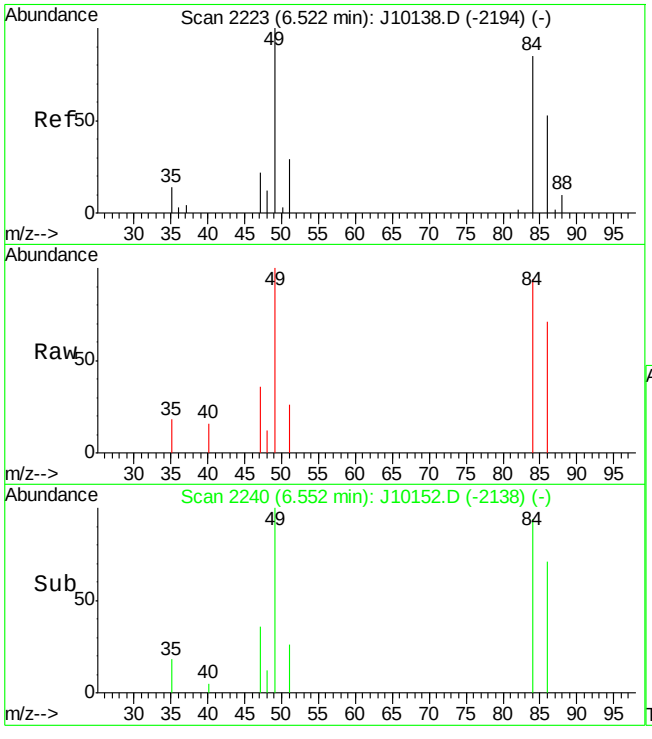


#16
ETHANOL
Concen: 11.83 PPBV
RT: 5.19 min Scan# 1469
Delta R.T. 0.04 min
Lab File: J10152.D
Acq: 27 Apr 2007 4:15 pm

Tgt Ion: 45 Resp: 14076

Ion	Ratio	Lower	Upper
45	100		
46	27.7	0.0	29.9
42	2.3	0.0	25.5

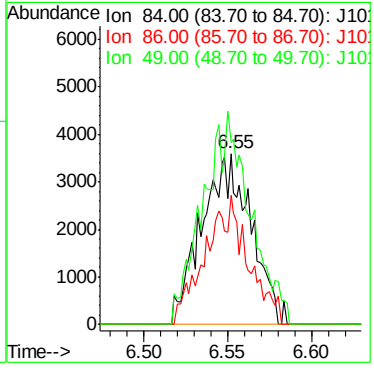




#18
METHYLENE CHLORIDE
Concen: 0.61 PPBV
RT: 6.55 min Scan# 2240
Delta R.T. 0.03 min
Lab File: J10152.D
Acq: 27 Apr 2007 4:15 pm

Tgt Ion: 84 Resp: 7320

Ion	Ratio	Lower	Upper
84	100		
86	65.2	45.2	85.2
49	119.4	0.0	321.5

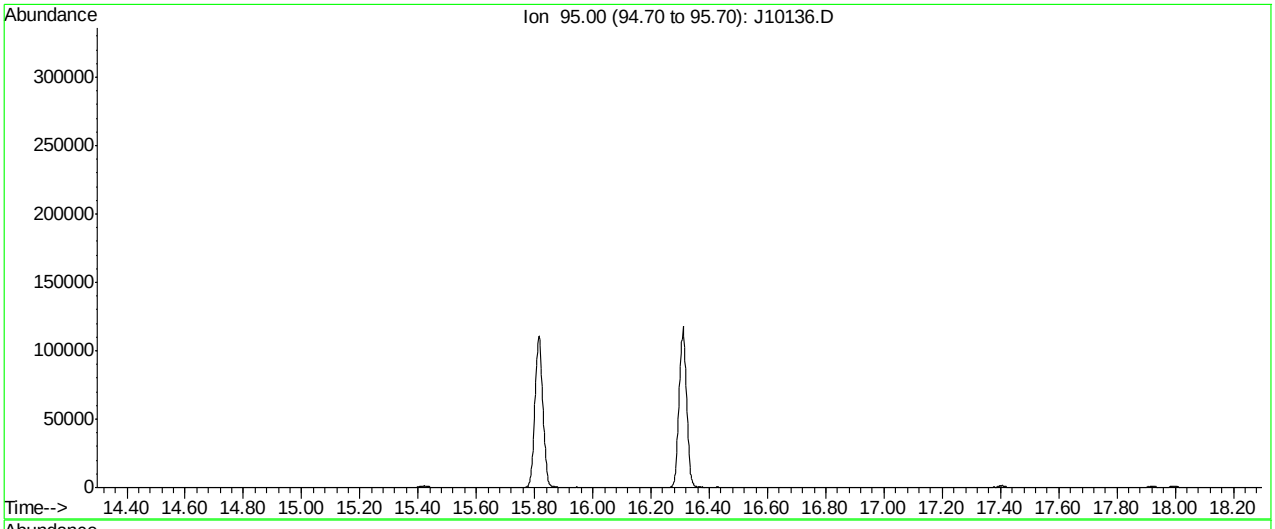


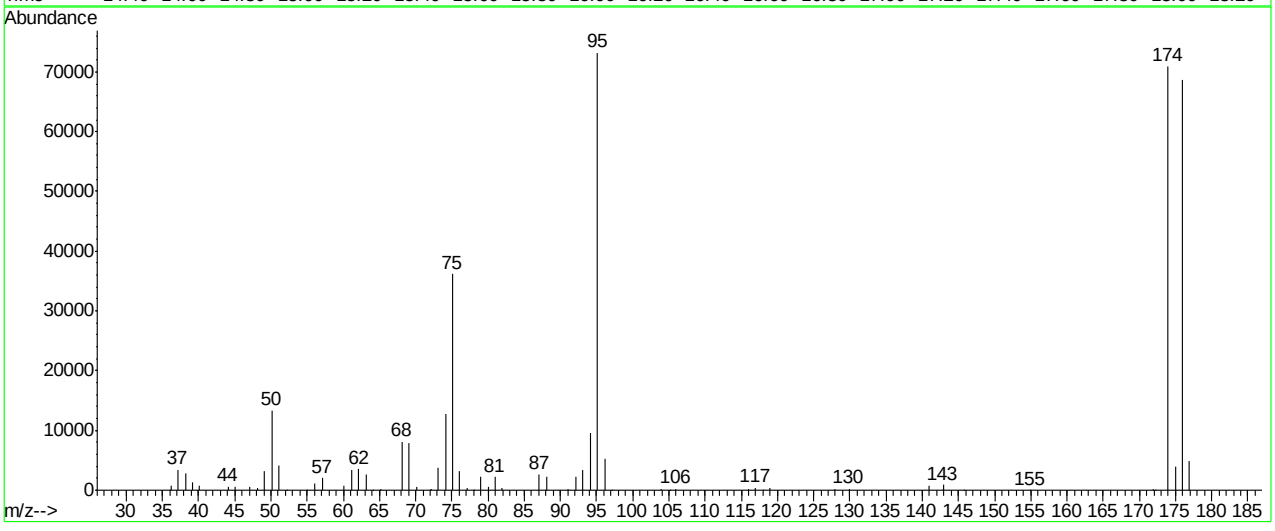
BFB

Data File : C:\MSDChem\1\data\J10136.D
Acq On : 26 Apr 2007 12:02 pm
Sample : IC525-40 (M132)
Misc : MS13434, MSJ525,,,,,1
MS Integration Params: LSCINT.P

Vial: 4
Operator: danat
Inst : MSJ
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.288 to 16.308 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.2	13331	PASS
75	95	30	66	49.4	36176	PASS
95	95	100	100	100.0	73247	PASS
96	95	5	9	7.3	5344	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	96.9	70950	PASS
175	174	4	9	5.6	3969	PASS
176	174	93	101	96.7	68623	PASS
177	176	5	9	7.1	4840	PASS

J10136.D J042607T.M Fri Apr 27 08:33:21 2007

Average of 16.288 to 16.308 min.: J10136.D
IC525-40 (M132)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	35	50.15	13331	65.15	112	78.10	88
36.15	792	51.10	4103	68.10	8071	79.05	2219
37.15	3458	52.10	38	69.10	7861	80.05	571
38.20	2897	55.00	67	70.10	531	80.95	2227
39.15	1291	56.10	1119	72.00	89	81.95	397
40.05	736	57.10	1989	72.15	149	87.05	2643
44.10	649	60.10	760	73.15	3691	87.90	69
45.10	566	61.10	3453	74.10	12708	88.05	2305
47.10	508	62.10	3536	75.10	36176	91.05	186
48.10	365	63.10	2667	76.10	3181	92.10	2211
49.15	3159	64.15	72	77.05	395	93.10	3419

Average of 16.288 to 16.308 min.: J10136.D
IC525-40 (M132)

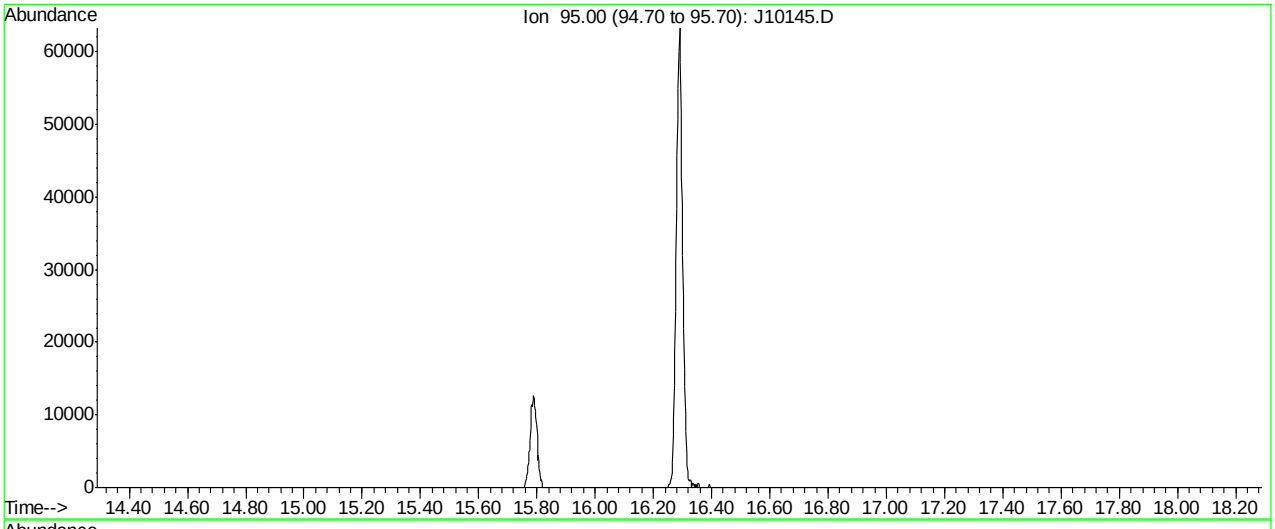
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.15	9586	128.00	116	176.00	68623		
95.10	73247	129.90	226	176.95	4840		
96.10	5344	140.95	832				
97.10	43	142.80	74				
103.95	211	142.95	905				
105.10	38	145.80	34				
105.95	286	154.90	41				
115.95	164	171.95	247				
116.95	436	172.20	59				
117.95	77	174.00	70950				
118.95	408	175.05	3969				

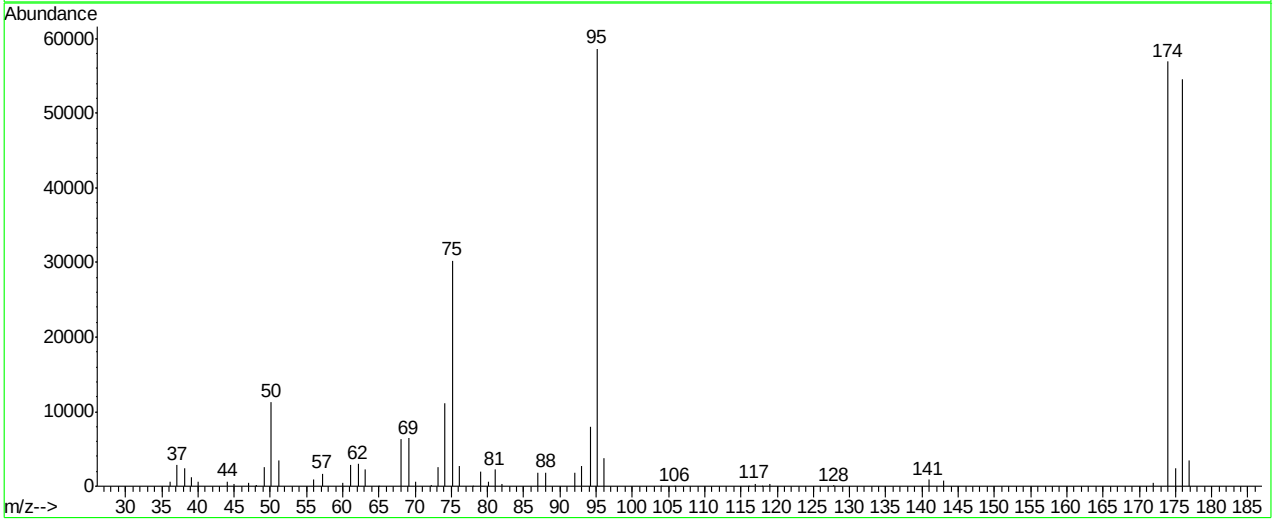
BFB

Data File : C:\MSDCHEM\1\DATA\J10145.D
Acq On : 27 Apr 2007 10:03 am
Sample : ICV525-10 (M070)
Misc : MS13434, MSJ525,,,,,1
MS Integration Params: LSCINT.P

Vial: 2
Operator: danat
Inst : MSJ
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.285 to 16.295 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.3	11339	PASS
75	95	30	66	51.5	30217	PASS
95	95	100	100	100.0	58691	PASS
96	95	5	9	6.5	3826	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	97.1	56961	PASS
175	174	4	9	4.2	2371	PASS
176	174	93	101	95.8	54595	PASS
177	176	5	9	6.2	3401	PASS

J10145.D J042607T.M Fri Apr 27 14:43:39 2007

Average of 16.285 to 16.295 min.: J10145.D
ICV525-10 (M070)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	620	50.15	11339	70.05	564	87.00	1786
37.15	2822	51.15	3417	72.20	128	88.05	1814
38.15	2464	56.05	897	73.10	2593	92.05	1830
39.15	1268	57.15	1658	74.10	11181	93.05	2732
40.00	613	60.00	509	75.10	30217	94.15	7899
44.10	663	61.10	2799	76.15	2692	95.10	58691
45.05	370	62.15	2938	78.00	60	96.10	3826
47.05	425	63.10	2195	79.00	2025	103.90	60
48.00	62	65.00	64	80.05	550	105.90	64
48.15	139	68.10	6251	81.00	2231	116.00	69
49.10	2526	69.10	6427	82.00	257	116.95	355

Average of 16.285 to 16.295 min.: J10145.D
ICV525-10 (M070)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
117.90	63						
118.95	287						
127.85	135						
140.95	900						
143.00	815						
171.90	453						
174.00	56961						
175.05	2371						
176.00	54595						
176.95	3401						

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10137.D
Acq On : 26 Apr 2007 12:53 pm
Operator : danat
Sample : IC525-20 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 13:20:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 13:01:03 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	89217	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.43	114	384279	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.67	117	335261	10.00	PPBV	-0.01
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	112465	4.77	PPBV	-0.02
Spiked Amount 5.000	Range 51 - 142		Recovery = 95.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	631280	28.98	PPBV	99
3) PROPYLENE	3.99	41	92581	29.79	PPBV	97
4) FREON 114	4.31	85	510473	27.85	PPBV	98
5) CHLOROMETHANE	4.22	50	119388	28.86	PPBV	92
6) VINYL CHLORIDE	4.43	62	148742	28.54	PPBV	99
7) 1,3-BUTADIENE	4.57	39	106134	28.10	PPBV	97
8) BROMOMETHANE	4.84	94	171879	28.31	PPBV	99
9) CHLOROETHANE	5.01	64	69661	28.86	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.78	101	613401	27.69	PPBV	99
11) ISOPROPYL ALCOHOL	5.90	45	174498	26.85	PPBV	95
12) ACETONE	5.63	43	160521	26.65	PPBV	99
13) PENTANE	6.12	42	114655	27.98	PPBV	93
14) 1,1-DICHLOROETHYLENE	6.42	96	162158	28.43	PPBV	94
15) CARBON DISULFIDE	6.83	76	433796	28.24	PPBV	98
16) ETHANOL	5.16	45	26230	26.19	PPBV	96
17) BROMOETHENE	5.37	106	173085	27.96	PPBV	99
18) METHYLENE CHLORIDE	6.53	84	144348	28.37	PPBV	93
19) 3-CHLOROPROPENE	6.64	39	128785	26.66	PPBV	95
20) FREON 113	6.78	151	336329	27.24	PPBV	93
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	162149	27.69	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.50	59	255701	25.92	PPBV	87
23) METHYL TERTIARY BUTYL ETHE	7.71	73	334035	25.85	PPBV	99
24) TETRAHYDROFURAN	9.16	42	93404	26.02	PPBV	91
25) HEXANE	8.62	57	162863	26.02	PPBV	96
26) VINYL ACETATE	7.78	43	204390	24.92	PPBV	98
27) 1,1-DICHLOROETHANE	7.64	63	265127	26.82	PPBV	99
28) METHYL ETHYL KETONE	8.05	43	174503	26.31	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.45	96	158966	25.96	PPBV	99
30) ETHYL ACETATE	8.67	43	188090	25.86	PPBV	99
31) CHLOROFORM	8.73	83	379982	26.27	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.67	97	465072	26.68	PPBV	98
33) CARBON TETRACHLORIDE	10.25	117	562072	26.75	PPBV	100
34) 1,2-DICHLOROETHANE	9.44	62	220027	25.17	PPBV	100
36) BENZENE	10.11	78	369514	23.35	PPBV	99
37) CYCLOHEXANE	10.36	84	179251	25.33	PPBV	93
38) TRICHLOROETHYLENE	11.11	95	192947	21.81	PPBV	98
39) 1,2-DICHLOROPROPANE	10.89	63	116991	22.13	PPBV	96
40) BROMODICHLOROMETHANE	11.08	83	345427	22.72	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.11	57	628869	24.65	PPBV	99
42) 1,4-DIOXANE	11.15	88	68813	23.90	PPBV #	77
43) HEPTANE	11.35	43	171877	22.66	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10137.D
Acq On : 26 Apr 2007 12:53 pm
Operator : danat
Sample : IC525-20 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 13:20:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 13:01:03 2007
Response via : Initial Calibration

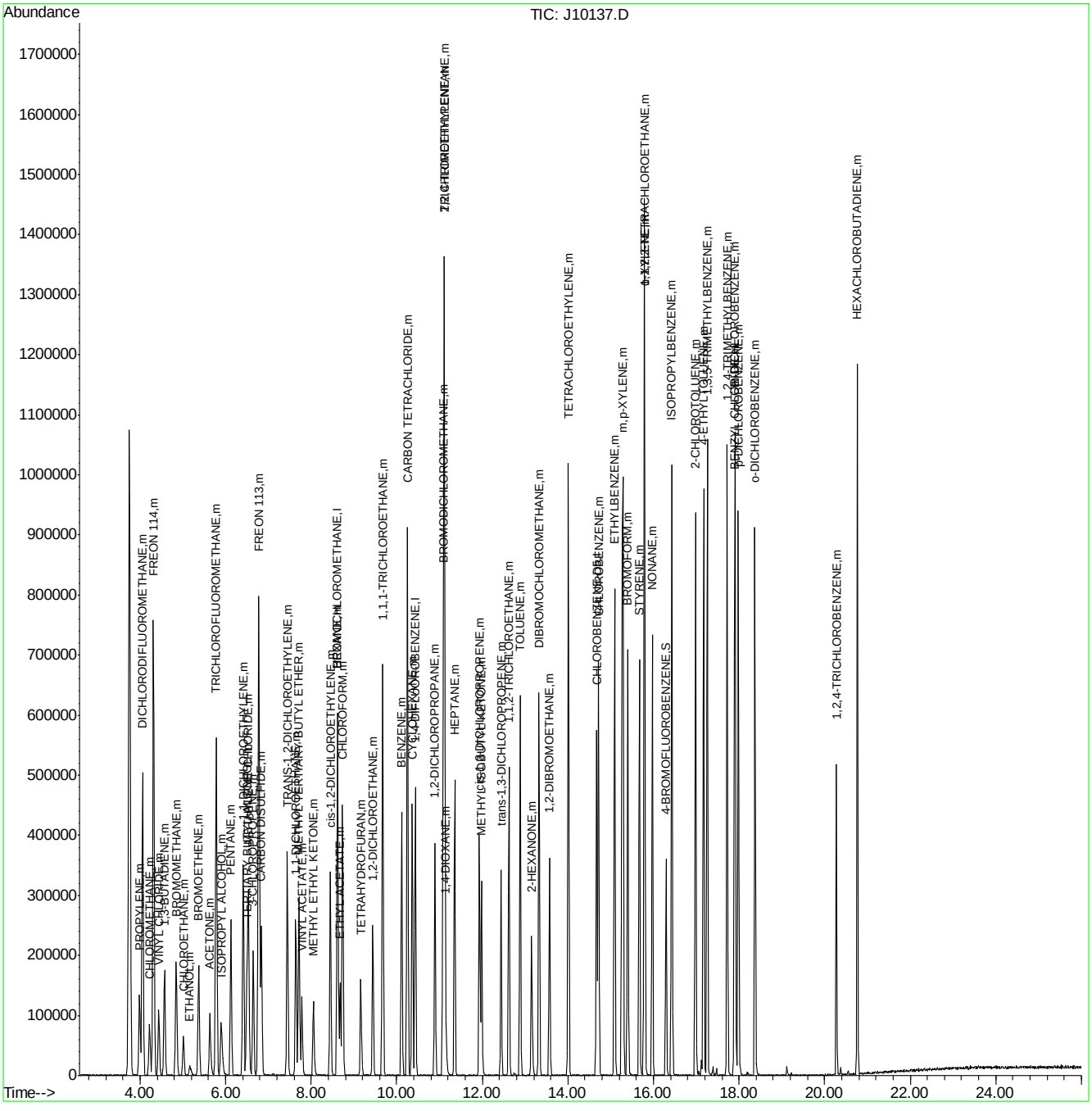
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	219157	23.30 PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.93	75	206247	22.89 PPBV	97
46) TOLUENE	12.89	92	255878	21.55 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	182920	22.41 PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.62	83	128447	22.82 PPBV	98
50) 2-HEXANONE	13.15	43	183019	22.67 PPBV	96
51) TETRACHLOROETHYLENE	14.01	164	223079	21.23 PPBV	92
52) DIBROMOCHLOROMETHANE	13.32	129	354842	22.97 PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	249679	22.66 PPBV	99
54) CHLOROBENZENE	14.72	112	364936	22.62 PPBV	98
55) ETHYLBENZENE	15.09	91	587132	22.43 PPBV	99
56) m,p-XYLENE	15.28	106	469434	43.76 PPBV	96
57) o-XYLENE	15.78	106	239540	21.57 PPBV	98
58) STYRENE	15.67	104	353082	22.09 PPBV	99
59) NONANE	15.97	43	242061	22.15 PPBV	95
60) BROMOFORM	15.40	173	367516	22.15 PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	332166	22.03 PPBV	99
63) ISOPROPYLBENZENE	16.43	105	714006	21.78 PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	498468	21.83 PPBV	97
65) 4-ETHYLTOLUENE	17.17	105	605741	21.02 PPBV	77
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	585194	21.34 PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	555235	21.12 PPBV	97
68) m-DICHLOROBENZENE	17.91	146	389219	20.31 PPBV	97
69) BENZYL CHLORIDE	17.89	91	353666	20.07 PPBV	97
70) p-DICHLOROBENZENE	17.98	146	374029	20.36 PPBV	96
71) o-DICHLOROBENZENE	18.37	146	350062	20.46 PPBV	98
72) HEXACHLOROBUTADIENE	20.77	225	191684	19.61 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	137574	20.47 PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10137.D
Acq On : 26 Apr 2007 12:53 pm
Operator : danat
Sample : IC525-20 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 13:20:00 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 13:01:03 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/01/07 15:13

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10138.D
Acq On : 26 Apr 2007 1:46 pm
Operator : danat
Sample : ICC525-10 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 14:21:04 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 13:01:03 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.60	128	80028	10.00	PPBV	-0.03
35) 1,4-DIFLUOROBENZENE	10.42	114	351947	10.00	PPBV	-0.03
49) CHLOROBENZENE-D5	14.66	117	300097	10.00	PPBV	-0.02

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	93585	4.44	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 88.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	316001	16.17	PPBV	99
3) PROPYLENE	3.99	41	44423	15.93	PPBV	94
4) FREON 114	4.31	85	248143	15.09	PPBV	98
5) CHLOROMETHANE	4.22	50	59184	15.95	PPBV	98
6) VINYL CHLORIDE	4.43	62	71945	15.39	PPBV	99
7) 1,3-BUTADIENE	4.57	39	49090	14.49	PPBV	95
8) BROMOMETHANE	4.84	94	81553	14.97	PPBV	100
9) CHLOROETHANE	5.00	64	32238	14.89	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.77	101	299178	15.06	PPBV	100
11) ISOPROPYL ALCOHOL	5.88	45	78894	13.53	PPBV	86
12) ACETONE	5.62	43	73013	13.51	PPBV	99
13) PENTANE	6.11	42	54278	14.77	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.40	96	74529	14.57	PPBV	97
15) CARBON DISULFIDE	6.82	76	210614	15.29	PPBV	100
16) ETHANOL	5.15	45	12258	13.64	PPBV #	60
17) BROMOETHENE	5.36	106	80912	14.57	PPBV	100
18) METHYLENE CHLORIDE	6.52	84	65142	14.27	PPBV	95
19) 3-CHLOROPROPENE	6.63	39	56329	13.00	PPBV	96
20) FREON 113	6.77	151	153865	13.89	PPBV	94
21) TRANS-1,2-DICHLOROETHYLENE	7.43	96	73691	14.03	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.48	59	114919	12.99	PPBV	87
23) METHYL TERTIARY BUTYL ETHE	7.70	73	151156	13.04	PPBV	98
24) TETRAHYDROFURAN	9.15	42	40629	12.62	PPBV	89
25) HEXANE	8.60	57	73724	13.13	PPBV	95
26) VINYL ACETATE	7.77	43	89170	12.12	PPBV	97
27) 1,1-DICHLOROETHANE	7.63	63	116768	13.17	PPBV	100
28) METHYL ETHYL KETONE	8.04	43	79736	13.40	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.43	96	70220	12.78	PPBV	99
30) ETHYL ACETATE	8.66	43	85241	13.07	PPBV #	100
31) CHLOROFORM	8.72	83	172037	13.26	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.66	97	207629	13.28	PPBV	99
33) CARBON TETRACHLORIDE	10.24	117	258481	13.71	PPBV	100
34) 1,2-DICHLOROETHANE	9.43	62	98931	12.62	PPBV	99
36) BENZENE	10.10	78	157226	10.85	PPBV	99
37) CYCLOHEXANE	10.35	84	80975	12.49	PPBV	93
38) TRICHLOROETHYLENE	11.10	95	88434	10.92	PPBV	99
39) 1,2-DICHLOROPROPANE	10.88	63	51421	10.62	PPBV	95
40) BROMODICHLOROMETHANE	11.07	83	155830	11.19	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.10	57	268608	11.49	PPBV	99
42) 1,4-DIOXANE	11.14	88	30294	11.49	PPBV	93
43) HEPTANE	11.34	43	76207	10.97	PPBV	94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10138.D
Acq On : 26 Apr 2007 1:46 pm
Operator : danat
Sample : ICC525-10 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 14:21:04 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 13:01:03 2007
Response via : Initial Calibration

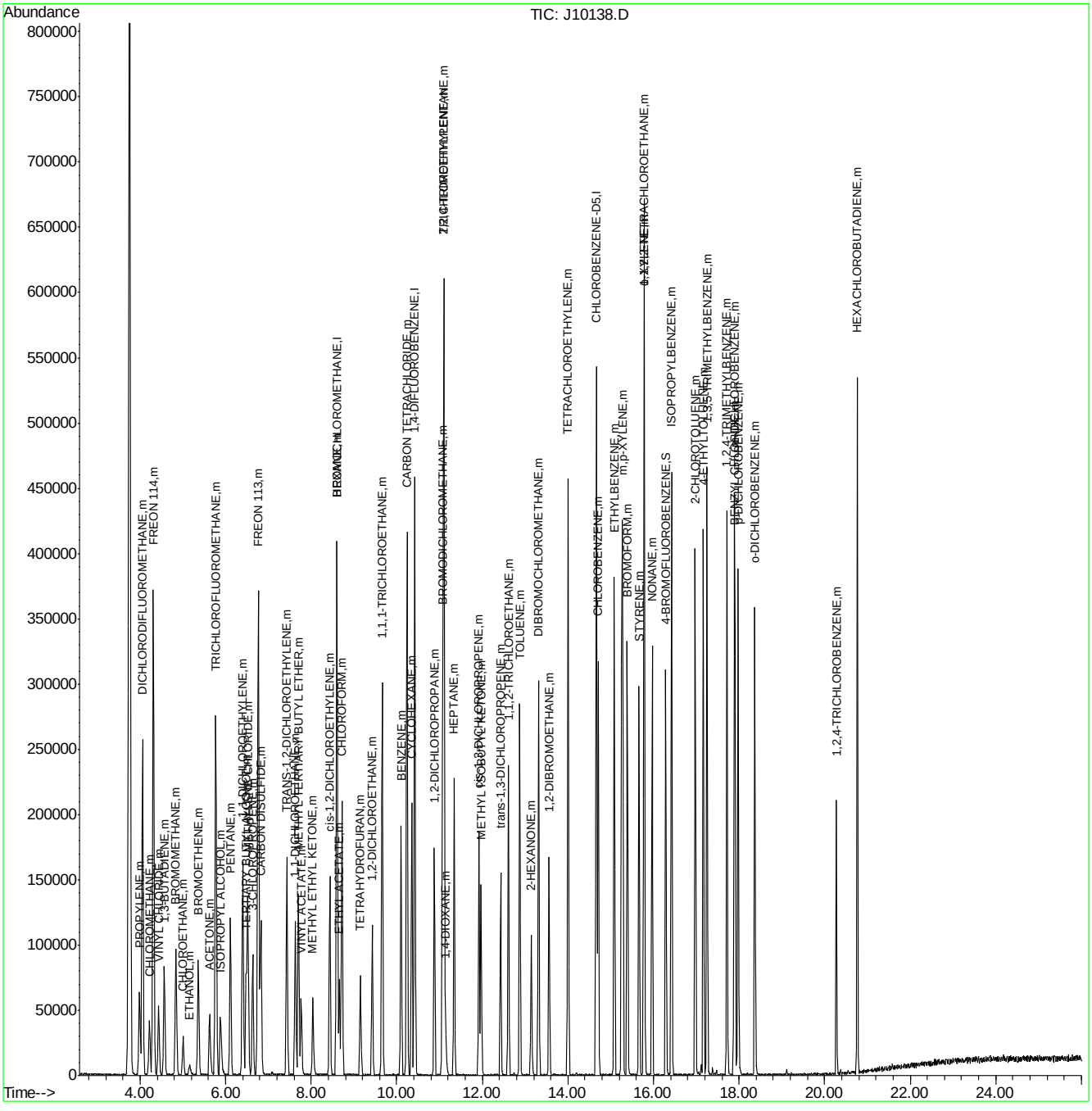
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.97	43	94234	10.94	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.92	75	92648	11.23	PPBV	97
46) TOLUENE	12.87	92	114035	10.48	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.43	75	80464	10.76	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.61	83	57678	11.19	PPBV	97
50) 2-HEXANONE	13.14	43	75149	10.40	PPBV	98
51) TETRACHLOROETHYLENE	14.00	164	97981	10.42	PPBV	93
52) DIBROMOCHLOROMETHANE	13.31	129	160791	11.63	PPBV	100
53) 1,2-DIBROMOETHANE	13.56	107	110490	11.20	PPBV	99
54) CHLOROBENZENE	14.71	112	164497	11.39	PPBV	99
55) ETHYLBENZENE	15.09	91	259445	11.07	PPBV	99
56) m,p-XYLENE	15.27	106	204564m	21.30	PPBV	
57) o-XYLENE	15.78	106	103660	10.43	PPBV	96
58) STYRENE	15.66	104	145461	10.17	PPBV	99
59) NONANE	15.97	43	104644	10.70	PPBV	95
60) BROMOFORM	15.39	173	162084	10.91	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	140861	10.44	PPBV	99
63) ISOPROPYLBENZENE	16.42	105	309415	10.54	PPBV	100
64) 2-CHLOROTOLUENE	16.98	91	208870	10.22	PPBV	97
65) 4-ETHYLTOLUENE	17.16	105	248845	9.65	PPBV	77
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	240924	9.82	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	224327	9.53	PPBV	98
68) m-DICHLOROBENZENE	17.90	146	160739	9.37	PPBV	97
69) BENZYL CHLORIDE	17.88	91	143246	9.08	PPBV	98
70) p-DICHLOROBENZENE	17.98	146	154961	9.42	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	139830	9.13	PPBV	97
72) HEXACHLOROBUTADIENE	20.76	225	84213	9.63	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	55951	9.30	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10138.D
Acq On : 26 Apr 2007 1:46 pm
Operator : danat
Sample : ICC525-10 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 14:21:04 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 13:01:03 2007
Response via : Initial Calibration



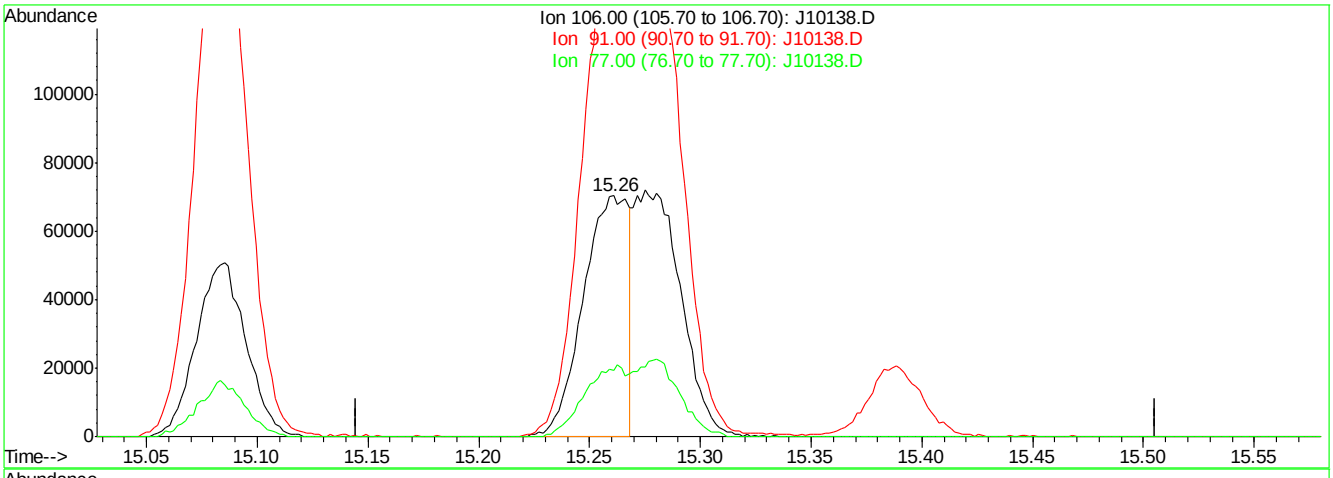
ACCUTEST Laboratories M64242

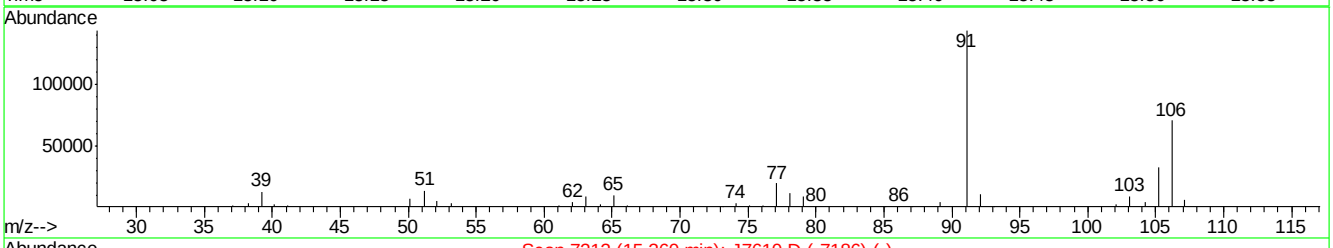
Quantitation Report (Qedit)

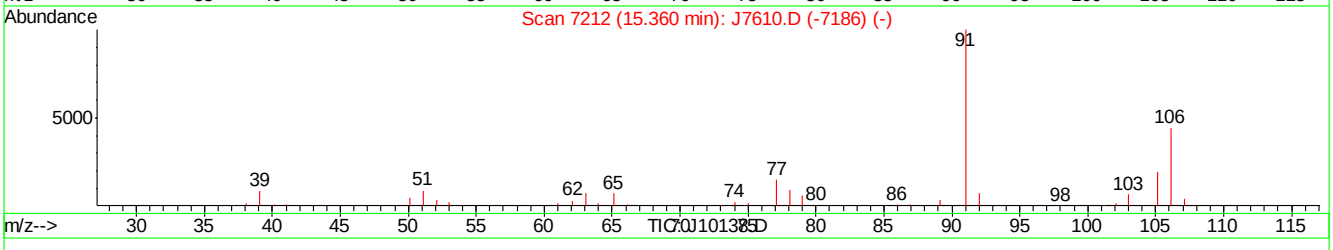
Data File : C:\MSDCHEM\1\DATA\J10138.D Vial: 4
Acq On : 26 Apr 2007 1:46 pm Operator: danat
Sample : ICC525-10 (M132) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 26 14:13:20 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 26 14:18:49 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.26min 10.29PPBV

response 98768

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	204.14
77.00	27.10	27.58
0.00	0.00	0.00

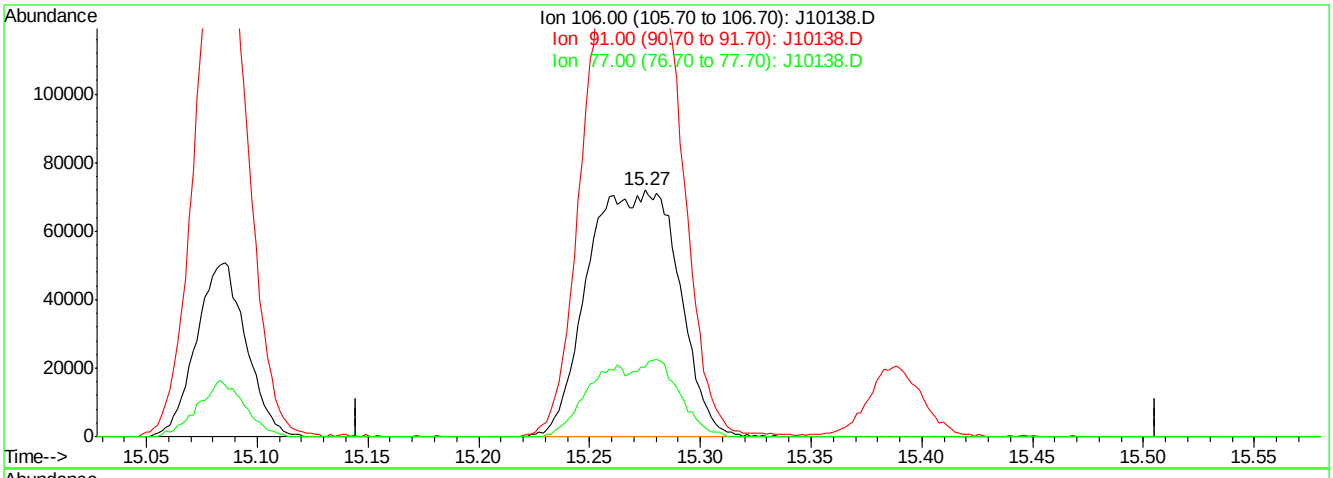
J10138.D J042607T.M Thu Apr 26 14:21:01 2007

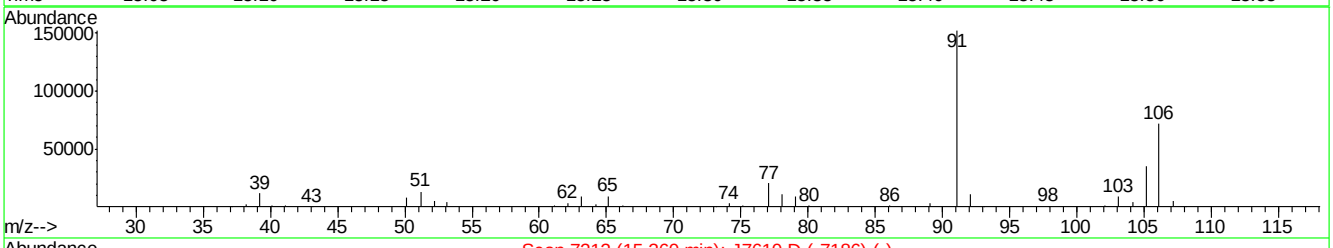
Quantitation Report (Qedit)

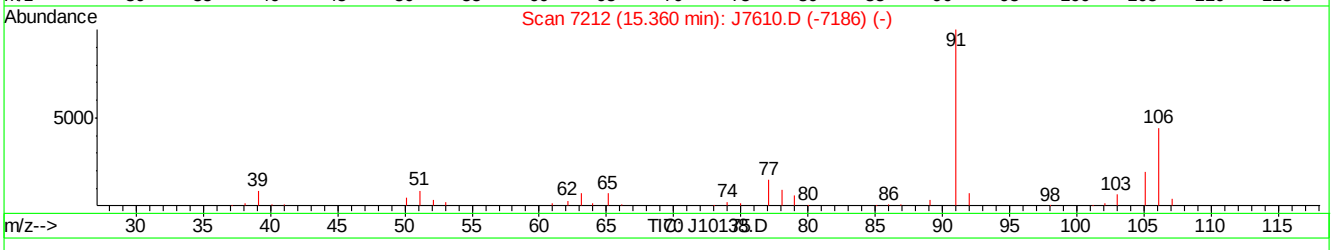
Data File : C:\MSDCHEM\1\DATA\J10138.D Vial: 4
Acq On : 26 Apr 2007 1:46 pm Operator: danat
Sample : ICC525-10 (M132) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 26 14:13:20 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 26 14:18:49 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.27min 21.30PPBV m

response 204564

Ion	Exp%	Act%
106.00	100	100
91.00	191.80	211.56
77.00	27.10	28.35
0.00	0.00	0.00

J10138.D J042607T.M Thu Apr 26 14:21:07 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 05/01/07 15:13

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10139.D
Acq On : 26 Apr 2007 2:44 pm
Operator : danat
Sample : IC525-5 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 15:12:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 14:21:52 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.59	128	81232	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.41	114	354952	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.66	117	294474	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.28	95	87323	4.45	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 89.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	161220	6.00	PPBV	100
3) PROPYLENE	3.98	41	21714	5.64	PPBV	95
4) FREON 114	4.31	85	123100	5.67	PPBV	100
5) CHLOROMETHANE	4.22	50	28365	5.59	PPBV	91
6) VINYL CHLORIDE	4.43	62	34742	5.54	PPBV	97
7) 1,3-BUTADIENE	4.57	39	24319	5.50	PPBV	99
8) BROMOMETHANE	4.84	94	40309	5.59	PPBV	98
9) CHLOROETHANE	5.01	64	15351	5.33	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.77	101	150552	5.76	PPBV	99
11) ISOPROPYL ALCOHOL	5.87	45	36675	5.03	PPBV	95
12) ACETONE	5.62	43	36066	5.36	PPBV	100
13) PENTANE	6.11	42	26290	5.45	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.39	96	35977	5.36	PPBV	99
15) CARBON DISULFIDE	6.82	76	102111	5.56	PPBV	98
16) ETHANOL	5.16	45	5084	4.55	PPBV #	90
17) BROMOETHENE	5.36	106	38373	5.30	PPBV	98
18) METHYLENE CHLORIDE	6.51	84	31579	5.32	PPBV	99
19) 3-CHLOROPROPENE	6.62	39	25403	4.77	PPBV	99
20) FREON 113	6.75	151	75276	5.35	PPBV	100
21) TRANS-1,2-DICHLOROETHYLENE	7.42	96	34377	5.11	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.48	59	53592	4.98	PPBV	79
23) METHYL TERTIARY BUTYL ETHE	7.69	73	73287	5.20	PPBV	99
24) TETRAHYDROFURAN	9.14	42	18688	4.81	PPBV	99
25) HEXANE	8.60	57	37416	5.45	PPBV	98
26) VINYL ACETATE	7.76	43	44044	5.12	PPBV	88
27) 1,1-DICHLOROETHANE	7.62	63	55751	5.08	PPBV	100
28) METHYL ETHYL KETONE	8.03	43	37457	5.09	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.43	96	32497	4.89	PPBV	99
30) ETHYL ACETATE	8.65	43	39755	5.00	PPBV #	91
31) CHLOROFORM	8.71	83	82862	5.19	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.65	97	98310	5.07	PPBV	98
33) CARBON TETRACHLORIDE	10.23	117	129675	5.48	PPBV	100
34) 1,2-DICHLOROETHANE	9.42	62	47917	5.13	PPBV	98
36) BENZENE	10.09	78	74217	4.68	PPBV	99
37) CYCLOHEXANE	10.34	84	37779	4.93	PPBV	98
38) TRICHLOROETHYLENE	11.09	95	42162	4.86	PPBV	99
39) 1,2-DICHLOROPROPANE	10.87	63	24892	4.83	PPBV	98
40) BROMODICHLOROMETHANE	11.06	83	77147	5.06	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.09	57	120555	4.54	PPBV	99
42) 1,4-DIOXANE	11.15	88	10657	3.60	PPBV	93
43) HEPTANE	11.33	43	35560	4.71	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10139.D
Acq On : 26 Apr 2007 2:44 pm
Operator : danat
Sample : IC525-5 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 15:12:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 14:21:52 2007
Response via : Initial Calibration

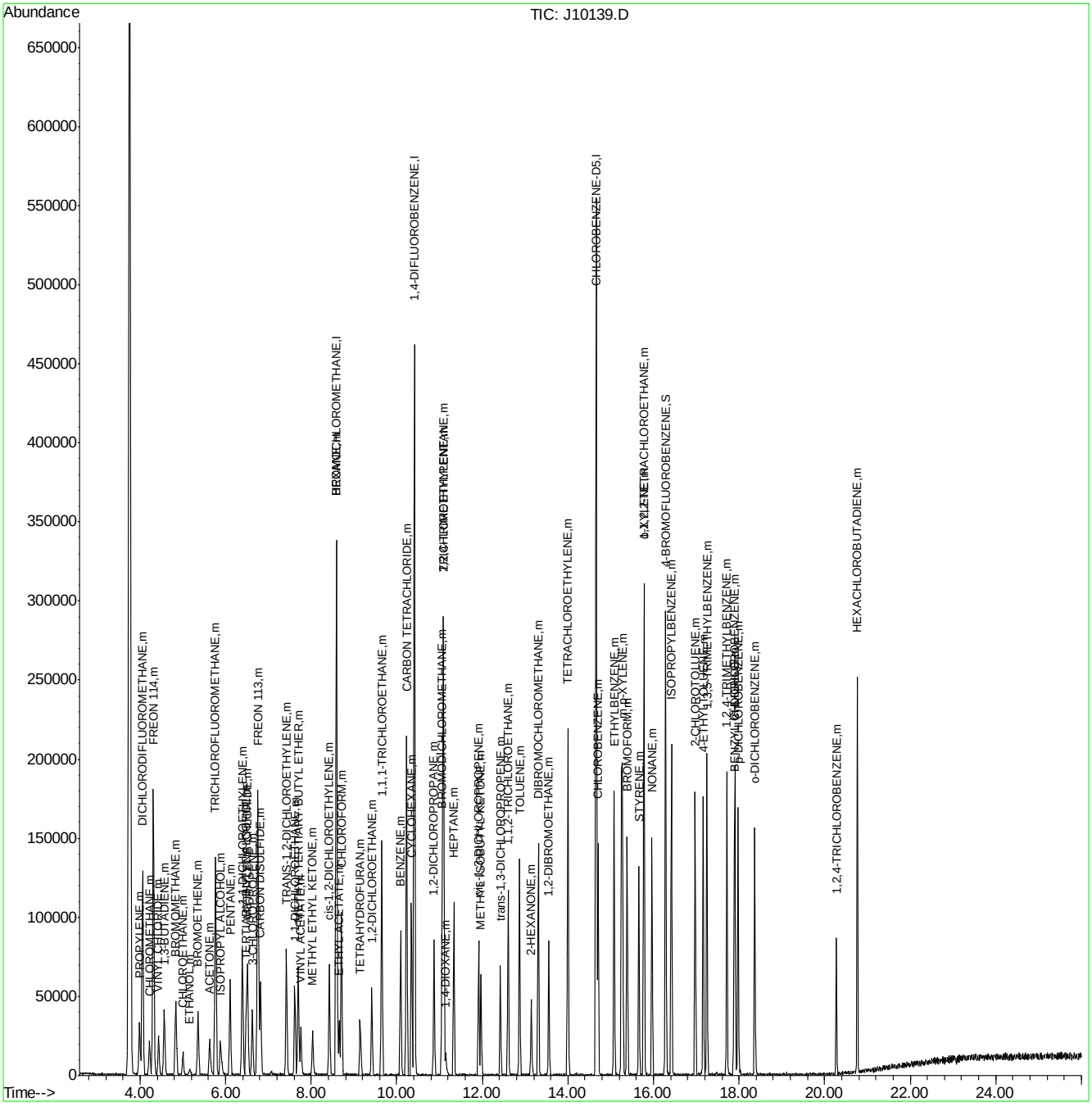
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.96	43	40987	4.34	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.91	75	41524	4.58	PPBV	98
46) TOLUENE	12.87	92	53131	4.65	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.42	75	35093	4.37	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.61	83	26926	4.77	PPBV	99
50) 2-HEXANONE	13.14	43	32630	4.35	PPBV	97
51) TETRACHLOROETHYLENE	14.00	164	46343	4.85	PPBV	99
52) DIBROMOCHLOROMETHANE	13.31	129	75992	5.07	PPBV	99
53) 1,2-DIBROMOETHANE	13.55	107	50585	4.82	PPBV	99
54) CHLOROBENZENE	14.70	112	76496	4.95	PPBV	100
55) ETHYLBENZENE	15.08	91	118856	4.80	PPBV	99
56) m,p-XYLENE	15.28	106	94563m	9.53	PPBV	
57) o-XYLENE	15.77	106	45731	4.51	PPBV	97
58) STYRENE	15.66	104	59804	4.09	PPBV	99
59) NONANE	15.97	43	45676	4.49	PPBV	97
60) BROMOFORM	15.38	173	73396	4.72	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.78	83	62150	4.48	PPBV	100
63) ISOPROPYLBENZENE	16.42	105	138472	4.59	PPBV	99
64) 2-CHLOROTOLUENE	16.97	91	91590	4.40	PPBV	99
65) 4-ETHYLTOLUENE	17.16	105	105069	4.13	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	106229	4.34	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	96061	4.15	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	69422	4.19	PPBV	98
69) BENZYL CHLORIDE	17.88	91	58018	3.86	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	63055	3.96	PPBV	97
71) o-DICHLOROBENZENE	18.36	146	60018	4.08	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	40621	4.82	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	23145	3.98	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10139.D
Acq On : 26 Apr 2007 2:44 pm
Operator : danat
Sample : IC525-5 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 15:12:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 14:21:52 2007
Response via : Initial Calibration

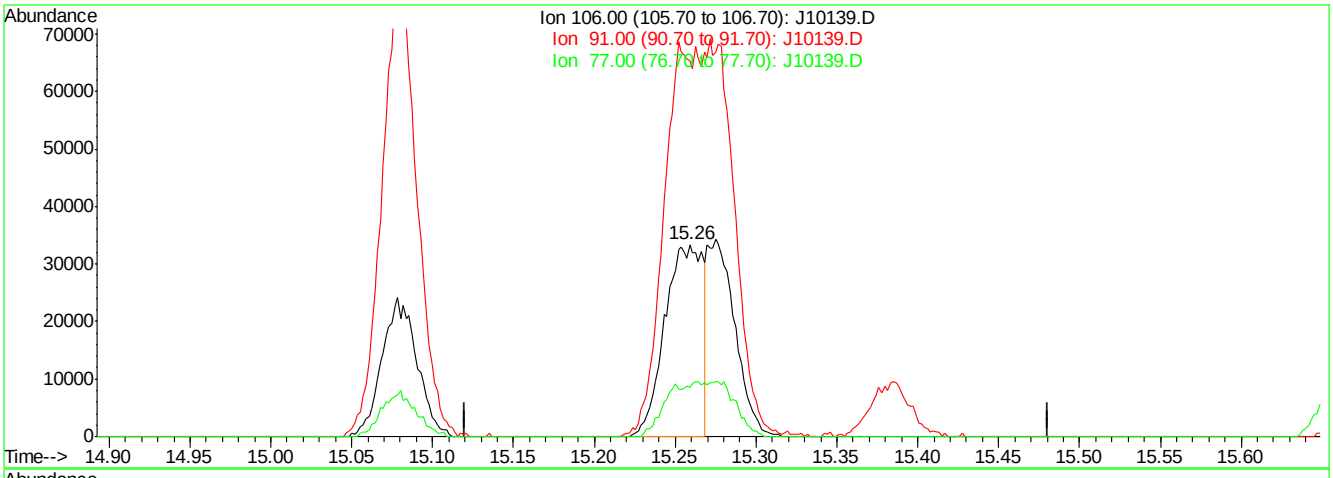


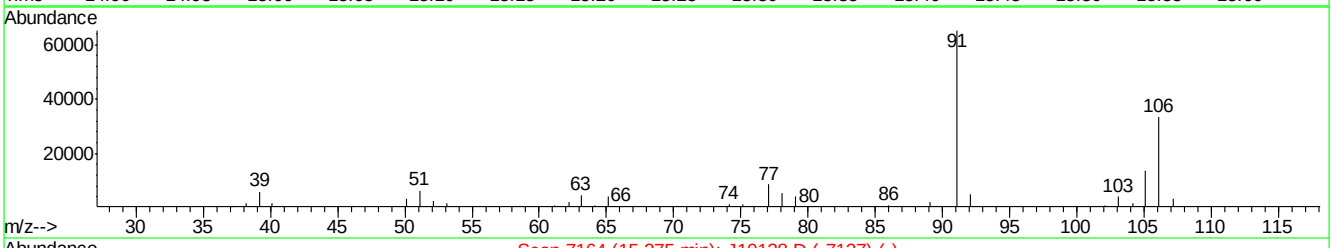
Quantitation Report (Qedit)

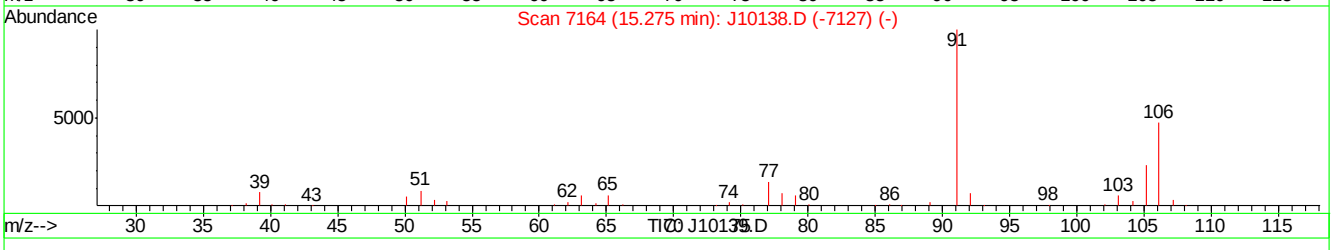
Data File : C:\MSDCHEM\1\DATA\J10139.D Vial: 4
Acq On : 26 Apr 2007 2:44 pm Operator: danat
Sample : IC525-5 (M132) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 26 15:10:41 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 26 14:21:52 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.26min 5.39PPBV

response 53446

Ion	Exp%	Act%
106.00	100	100
91.00	211.60	195.71
77.00	28.30	25.72
0.00	0.00	0.00

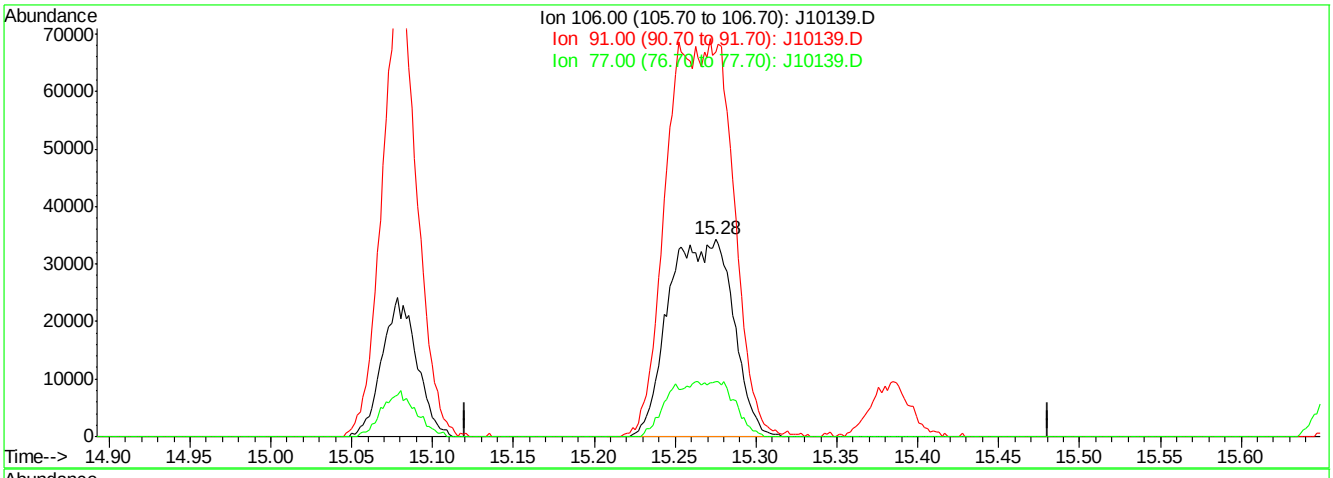
J10139.D J042607T.M Thu Apr 26 15:11:58 2007

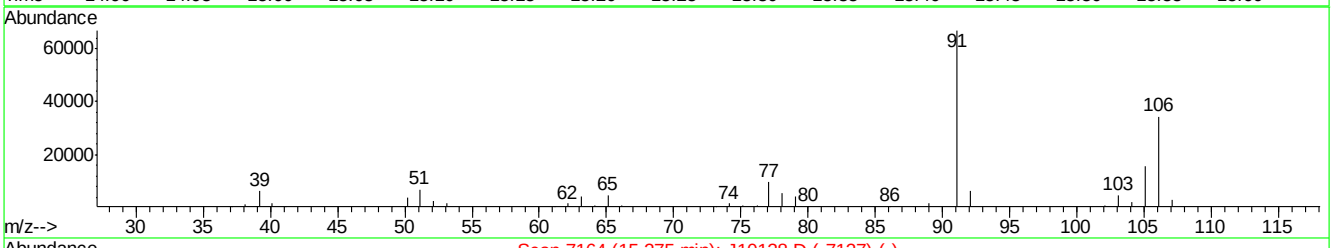
Quantitation Report (Qedit)

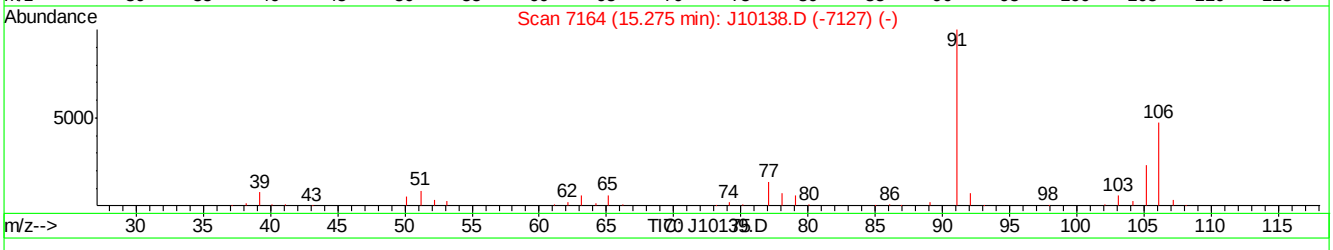
Data File : C:\MSDCHEM\1\DATA\J10139.D Vial: 4
Acq On : 26 Apr 2007 2:44 pm Operator: danat
Sample : IC525-5 (M132) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 26 15:10:41 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Apr 26 14:21:52 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.28min 9.53PPBV m

response 94563

Ion	Exp%	Act%
106.00	100	100
91.00	211.60	194.23
77.00	28.30	27.87
0.00	0.00	0.00

J10139.D J042607T.M Thu Apr 26 15:12:08 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10140.D
Acq On : 26 Apr 2007 3:47 pm
Operator : danat
Sample : IC525-2 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 26 16:15:07 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 15:13:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.58	128	72125	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.40	114	296310	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.65	117	258739	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	83419	4.98	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 99.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.05	85	61718	2.46	PPBV	99
3) PROPYLENE	3.98	41	8422	2.39	PPBV	90
4) FREON 114	4.31	85	50502	2.54	PPBV	99
5) CHLOROMETHANE	4.22	50	11129	2.40	PPBV	92
6) VINYL CHLORIDE	4.43	62	13476	2.36	PPBV	96
7) 1,3-BUTADIENE	4.56	39	9281	2.31	PPBV	98
8) BROMOMETHANE	4.83	94	16087	2.44	PPBV	98
9) CHLOROETHANE	4.99	64	6447	2.48	PPBV #	74
10) TRICHLOROFLUOROMETHANE	5.76	101	64293	2.67	PPBV	100
11) ISOPROPYL ALCOHOL	5.87	45	19077	2.94	PPBV	91
12) ACETONE	5.61	43	19698	3.24	PPBV	94
13) PENTANE	6.09	42	11191	2.56	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.39	96	14162	2.33	PPBV	94
15) CARBON DISULFIDE	6.81	76	41875	2.50	PPBV	96
16) ETHANOL	5.15	45	3063	3.16	PPBV #	79
17) BROMOETHENE	5.35	106	15364	2.35	PPBV	99
18) METHYLENE CHLORIDE	6.50	84	21145	3.95	PPBV	98
19) 3-CHLOROPROPENE	6.62	39	11879	2.54	PPBV	94
20) FREON 113	6.74	151	34585	2.72	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.41	96	15357	2.56	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.47	59	24465	2.56	PPBV	91
23) METHYL TERTIARY BUTYL ETHE	7.69	73	32989	2.61	PPBV	99
24) TETRAHYDROFURAN	9.14	42	8329	2.44	PPBV	94
25) HEXANE	8.59	57	20945	3.36	PPBV	97
26) VINYL ACETATE	7.75	43	19709	2.56	PPBV	94
27) 1,1-DICHLOROETHANE	7.61	63	25394	2.60	PPBV	99
28) METHYL ETHYL KETONE	8.03	43	19177	2.92	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.41	96	14378	2.45	PPBV	97
30) ETHYL ACETATE	8.64	43	19562	2.77	PPBV #	93
31) CHLOROFORM	8.70	83	38779	2.71	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.64	97	46429	2.69	PPBV	97
33) CARBON TETRACHLORIDE	10.22	117	57678	2.68	PPBV	97
34) 1,2-DICHLOROETHANE	9.40	62	22915	2.75	PPBV	99
36) BENZENE	10.08	78	34284	2.63	PPBV	99
37) CYCLOHEXANE	10.33	84	15309	2.40	PPBV	100
38) TRICHLOROETHYLENE	11.08	95	18814	2.62	PPBV	98
39) 1,2-DICHLOROPROPANE	10.87	63	11525	2.70	PPBV	98
40) BROMODICHLOROMETHANE	11.05	83	35762	2.80	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.09	57	52769	2.44	PPBV	99
42) 1,4-DIOXANE	11.15	88	6789	2.95	PPBV	88
43) HEPTANE	11.33	43	14993	2.42	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10140.D
Acq On : 26 Apr 2007 3:47 pm
Operator : danat
Sample : IC525-2 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 26 16:15:07 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 15:13:12 2007
Response via : Initial Calibration

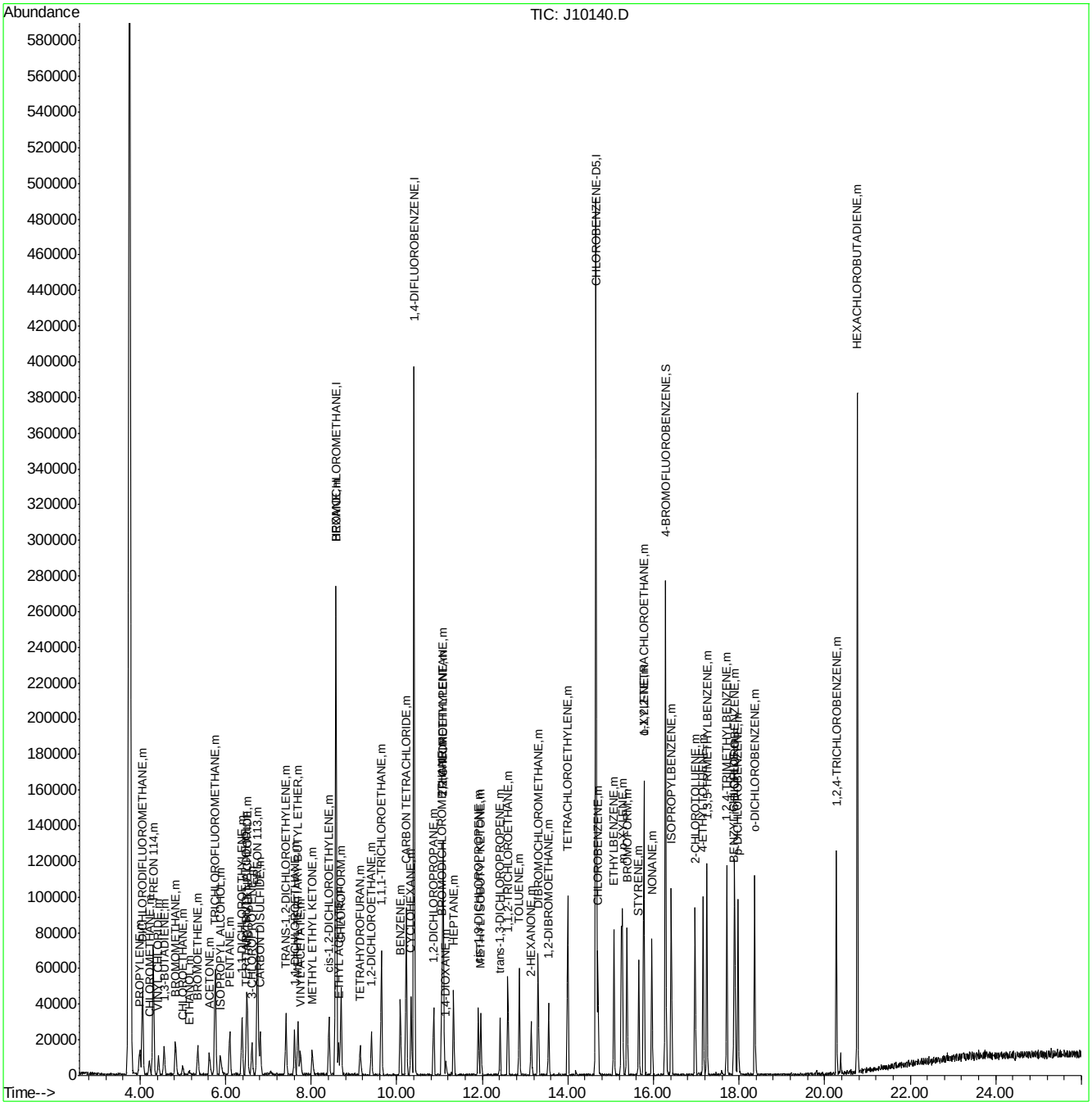
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.96	43	22160	2.91	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.91	75	18565	2.51	PPBV	98
46) TOLUENE	12.86	92	23276	2.48	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.41	75	15689	2.42	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.60	83	12643	2.71	PPBV	97
50) 2-HEXANONE	13.14	43	20760	3.26	PPBV	97
51) TETRACHLOROETHYLENE	13.99	164	21964	2.64	PPBV	96
52) DIBROMOCHLOROMETHANE	13.31	129	36153	2.74	PPBV	100
53) 1,2-DIBROMOETHANE	13.55	107	25148	2.75	PPBV	99
54) CHLOROBENZENE	14.70	112	36068	2.66	PPBV	99
55) ETHYLBENZENE	15.07	91	53484	2.48	PPBV	100
56) m,p-XYLENE	15.27	106	43661	5.07	PPBV	89
57) o-XYLENE	15.78	106	21701	2.50	PPBV	100
58) STYRENE	15.66	104	29428	2.40	PPBV	99
59) NONANE	15.96	43	23058	2.65	PPBV	99
60) BROMOFORM	15.38	173	39330	2.92	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.78	83	38225	3.22	PPBV	98
63) ISOPROPYLBENZENE	16.42	105	66866	2.58	PPBV	98
64) 2-CHLOROTOLUENE	16.97	91	47991	2.71	PPBV	99
65) 4-ETHYLTOLUENE	17.16	105	57232	2.68	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	60587	2.91	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	56424	2.90	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	43430	3.11	PPBV	100
69) BENZYL CHLORIDE	17.88	91	38086	3.06	PPBV	98
70) p-DICHLOROBENZENE	17.97	146	40832	3.08	PPBV	99
71) o-DICHLOROBENZENE	18.36	146	41724	3.38	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	62818	8.56	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	33620	6.94	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10140.D
Acq On : 26 Apr 2007 3:47 pm
Operator : danat
Sample : IC525-2 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 26 16:15:07 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 15:13:12 2007
Response via : Initial Calibration



ACCUTEST Laboratories M64242

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 05/01/07 15:13

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10141.D
Acq On : 26 Apr 2007 4:42 pm
Operator : danat
Sample : IC525-0.5 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 08:10:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 16:18:29 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.58	128	72731	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.40	114	309052	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.65	117	257665	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.28	95	73727	4.42	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 88.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.05	85	14683	0.56	PPBV	98
3) PROPYLENE	3.98	41	1618	0.44	PPBV #	79
4) FREON 114	4.31	85	11740	0.55	PPBV	97
5) CHLOROMETHANE	4.22	50	1326	0.27	PPBV #	44
6) VINYL CHLORIDE	4.43	62	2896	0.48	PPBV #	56
7) 1,3-BUTADIENE	4.56	39	797	0.19	PPBV #	8
8) BROMOMETHANE	4.83	94	3561	0.51	PPBV #	11
9) CHLOROETHANE	5.00	64	914m	0.33	PPBV	
10) TRICHLOROFLUOROMETHANE	5.75	101	14889	0.57	PPBV	95
11) ISOPROPYL ALCOHOL	5.91	45	3561m	0.50	PPBV	
12) ACETONE	5.64	43	4026	0.58	PPBV	71
13) PENTANE	6.09	42	2303	0.49	PPBV #	9
14) 1,1-DICHLOROETHYLENE	6.39	96	2841	0.45	PPBV #	1
15) CARBON DISULFIDE	6.81	76	9618	0.54	PPBV #	79
16) ETHANOL	5.19	45	99	0.09	PPBV #	77
17) BROMOETHENE	5.35	106	3062	0.45	PPBV #	91
18) METHYLENE CHLORIDE	6.51	84	7171	1.11	PPBV	97
19) 3-CHLOROPROPENE	6.61	39	2258	0.45	PPBV #	64
20) FREON 113	6.75	151	7464	0.54	PPBV #	77
21) TRANS-1,2-DICHLOROETHYLENE	7.42	96	3082	0.48	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.53	59	4645	0.46	PPBV	64
23) METHYL TERTIARY BUTYL ETHE	7.71	73	6553	0.48	PPBV	89
24) TETRAHYDROFURAN	9.18	42	902	0.25	PPBV #	43
25) HEXANE	8.58	57	4518	0.63	PPBV	96
26) VINYL ACETATE	7.76	43	3447	0.42	PPBV #	68
27) 1,1-DICHLOROETHANE	7.61	63	5439	0.52	PPBV	89
28) METHYL ETHYL KETONE	8.05	43	3535	0.49	PPBV	91
29) cis-1,2-DICHLOROETHYLENE	8.42	96	3033	0.49	PPBV	96
30) ETHYL ACETATE	8.65	43	3732	0.49	PPBV #	87
31) CHLOROFORM	8.70	83	8185	0.53	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.64	97	9694	0.52	PPBV	95
33) CARBON TETRACHLORIDE	10.22	117	12670	0.55	PPBV	99
34) 1,2-DICHLOROETHANE	9.41	62	4163	0.46	PPBV #	91
36) BENZENE	10.09	78	6347	0.44	PPBV	90
37) CYCLOHEXANE	10.33	84	2686	0.39	PPBV	89
38) TRICHLOROETHYLENE	11.08	95	3731	0.47	PPBV	96
39) 1,2-DICHLOROPROPANE	10.87	63	1871	0.39	PPBV #	56
40) BROMODICHLOROMETHANE	11.06	83	6949	0.48	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.09	57	9355	0.40	PPBV #	49
43) HEPTANE	11.33	43	2424	0.36	PPBV	90
44) METHYL ISOBUTYL KETONE	11.98	43	3079	0.36	PPBV #	53

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10141.D
Acq On : 26 Apr 2007 4:42 pm
Operator : danat
Sample : IC525-0.5 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 08:10:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 16:18:29 2007
Response via : Initial Calibration

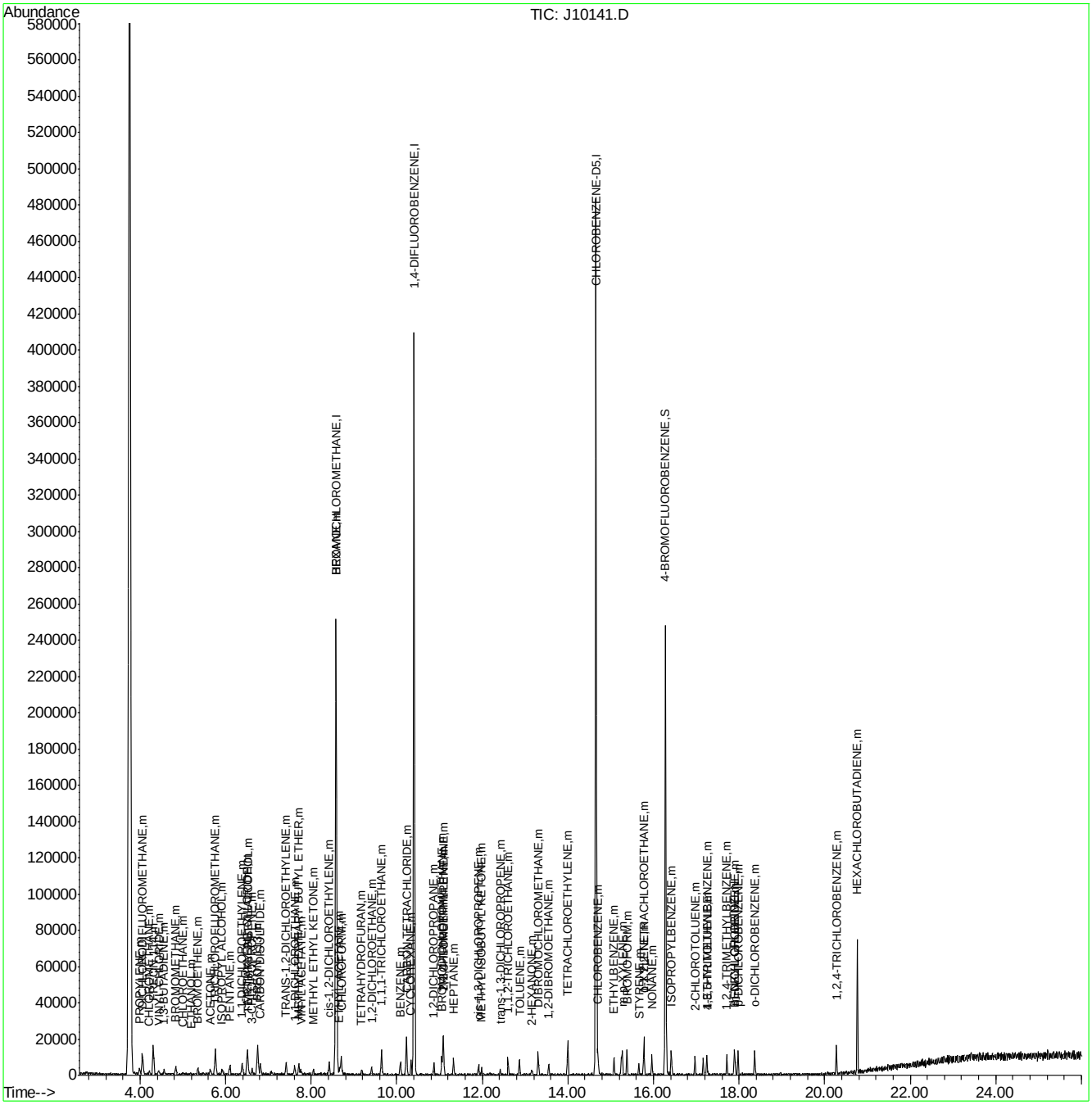
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.91	75	2820	0.35	PPBV		90
46) TOLUENE	12.87	92	3896	0.38	PPBV		88
47) trans-1,3-DICHLOROPROPENE	12.42	75	2158	0.31	PPBV		82
48) 1,1,2-TRICHLOROETHANE	12.60	83	2262	0.43	PPBV		96
50) 2-HEXANONE	13.16	43	2506	0.35	PPBV	#	75
51) TETRACHLOROETHYLENE	14.00	164	4314	0.49	PPBV		98
52) DIBROMOCHLOROMETHANE	13.30	129	6929	0.49	PPBV		99
53) 1,2-DIBROMOETHANE	13.55	107	4379	0.45	PPBV	#	99
54) CHLOROBENZENE	14.70	112	6668	0.46	PPBV		96
55) ETHYLBENZENE	15.08	91	7802	0.35	PPBV		95
56) m,p-XYLENE	15.27	106	6412	0.71	PPBV	#	65
57) o-XYLENE	15.77	106	2821	0.31	PPBV		87
58) STYRENE	15.66	104	3475	0.27	PPBV		94
59) NONANE	15.96	43	3001	0.33	PPBV	#	74
60) BROMOFORM	15.38	173	6568	0.45	PPBV		97
62) 1,1,2,2-TETRACHLOROETHANE	15.78	83	6181	0.47	PPBV	#	94
63) ISOPROPYLBENZENE	16.42	105	9816	0.36	PPBV		97
64) 2-CHLOROTOLUENE	16.97	91	6311	0.33	PPBV		99
65) 4-ETHYLTOLUENE	17.25	105	7575	0.33	PPBV		71
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	7575	0.34	PPBV		93
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	6404	0.30	PPBV		95
68) m-DICHLOROBENZENE	17.90	146	5993	0.39	PPBV		97
69) BENZYL CHLORIDE	17.89	91	5006	0.37	PPBV		85
70) p-DICHLOROBENZENE	17.98	146	5829	0.40	PPBV		97
71) o-DICHLOROBENZENE	18.37	146	6289	0.45	PPBV		97
72) HEXACHLOROBUTADIENE	20.76	225	11531	0.95	PPBV		98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	5633	0.78	PPBV		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10141.D
Acq On : 26 Apr 2007 4:42 pm
Operator : danat
Sample : IC525-0.5 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 08:10:03 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Apr 26 16:18:29 2007
Response via : Initial Calibration

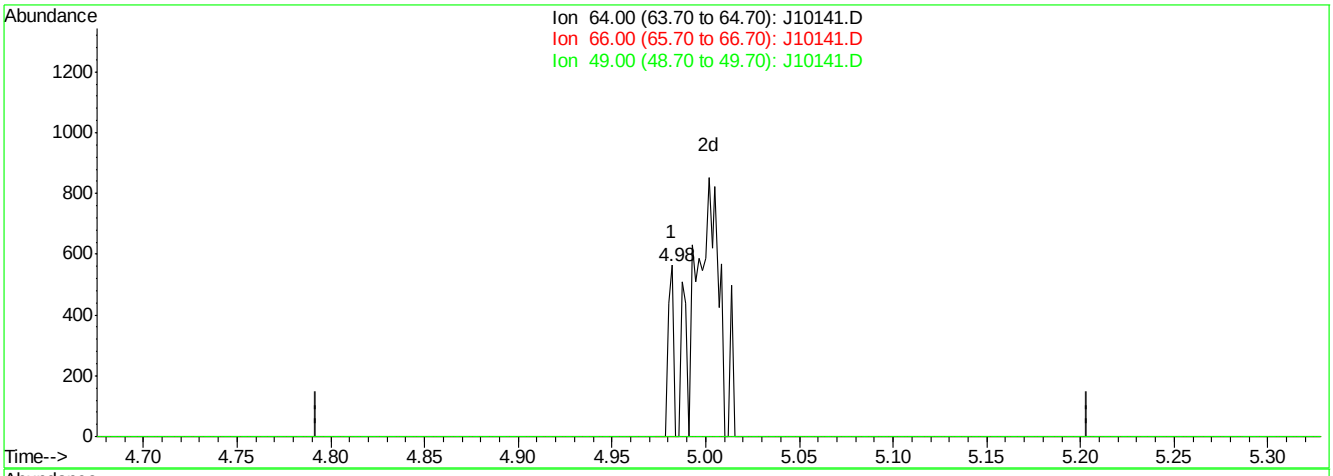


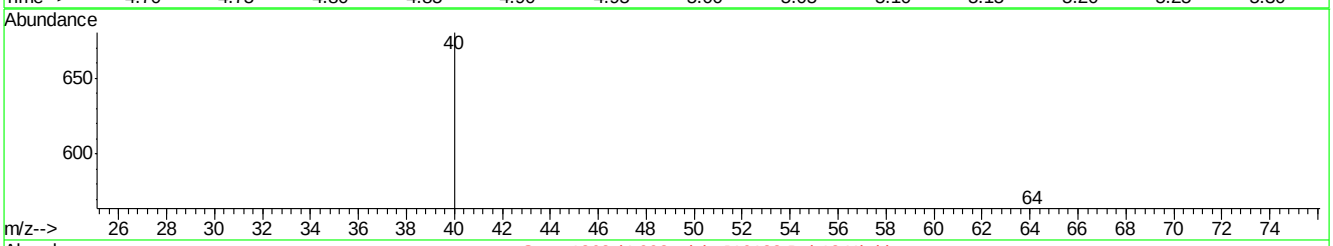
Quantitation Report (Qedit)

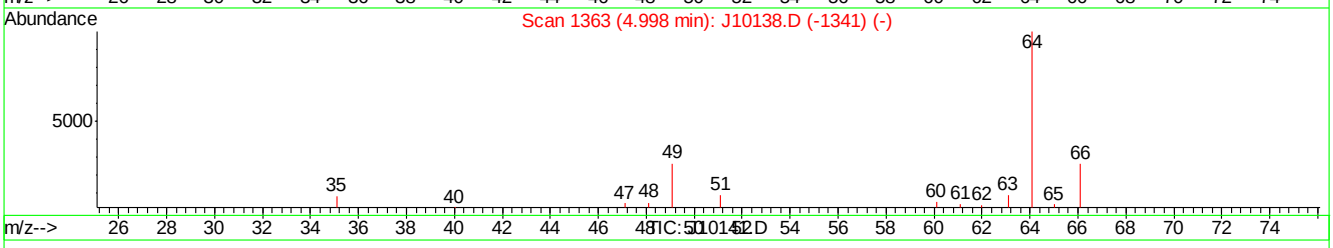
Data File : C:\MSDChem\1\data\J10141.D Vial: 3
Acq On : 26 Apr 2007 4:42 pm Operator: danat
Sample : IC525-0.5 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 08:05:11 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 08:09:16 2007
Response via : Multiple Level Calibration







(9) CHLOROETHANE (m)

4.98min 0.04PPBV

response 107

Ion	Exp%	Act%
64.00	100	100
66.00	31.90	0.00#
49.00	29.80	0.00#
0.00	0.00	0.00

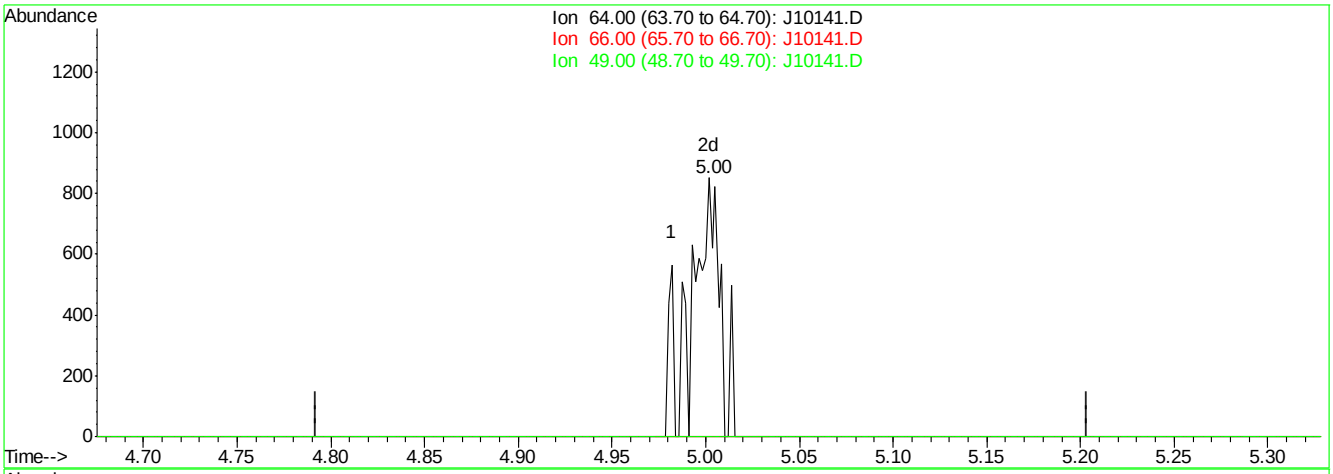
J10141.D J042607T.M Fri Apr 27 08:09:40 2007

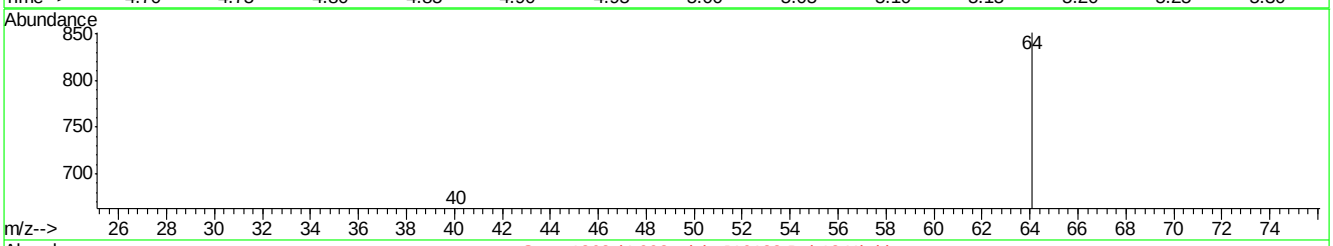
Quantitation Report (Qedit)

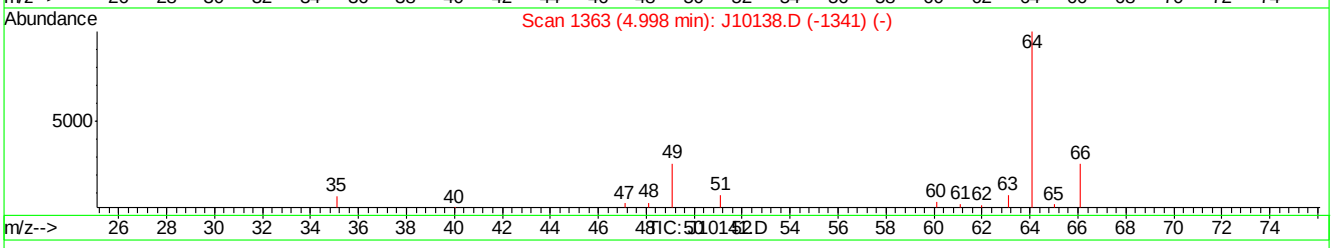
Data File : C:\MSDChem\1\data\J10141.D Vial: 3
Acq On : 26 Apr 2007 4:42 pm Operator: danat
Sample : IC525-0.5 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 08:05:11 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 08:09:16 2007
Response via : Multiple Level Calibration







(9) CHLOROETHANE (m)

5.00min 0.33PPBV m

response 914

Ion	Exp%	Act%
64.00	100	100
66.00	31.90	0.00#
49.00	29.80	0.00#
0.00	0.00	0.00

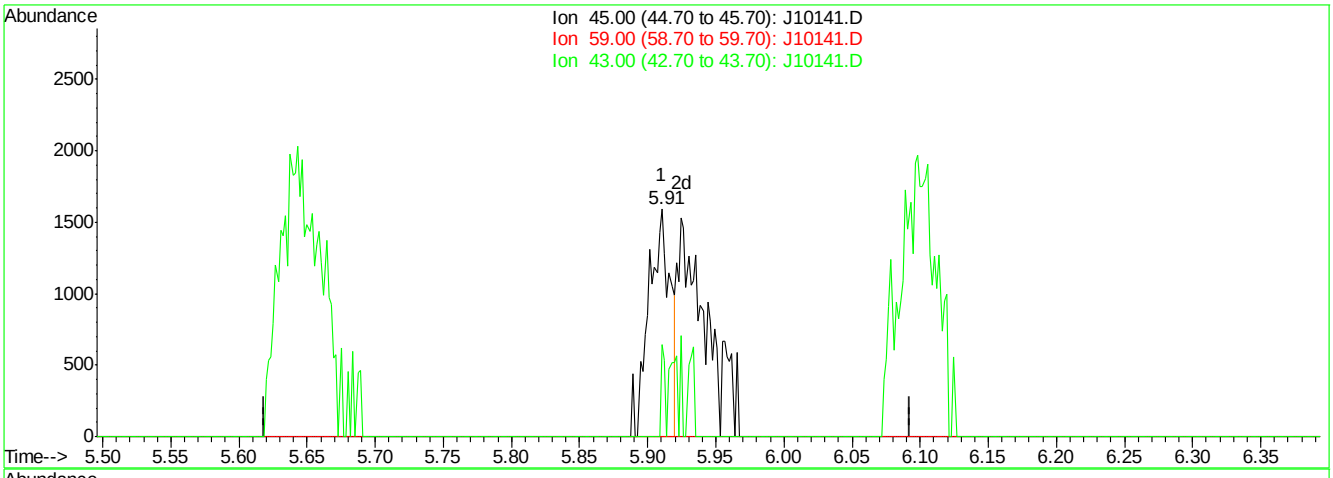
J10141.D J042607T.M Fri Apr 27 08:09:46 2007

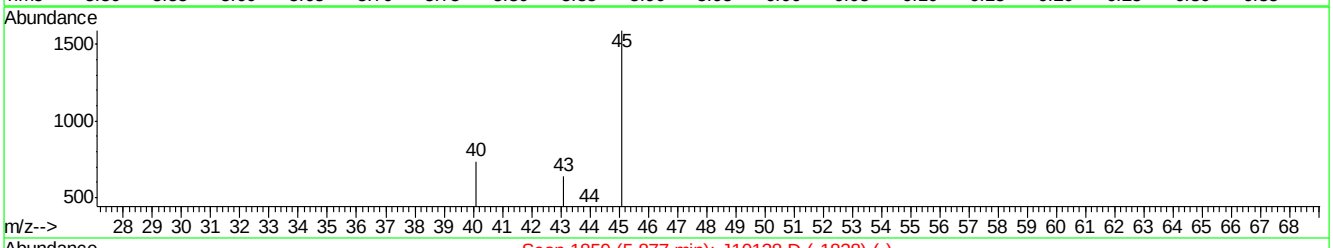
Quantitation Report (Qedit)

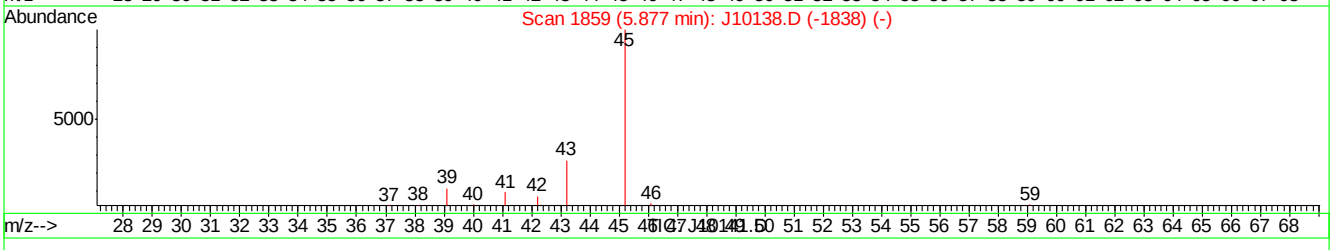
Data File : C:\MSDChem\1\data\J10141.D Vial: 3
Acq On : 26 Apr 2007 4:42 pm Operator: danat
Sample : IC525-0.5 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 08:05:11 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 08:09:16 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

5.91min 0.24PPBV

response 1716

Ion	Exp%	Act%
45.00	100	100
59.00	2.60	0.00
43.00	27.00	40.35
0.00	0.00	0.00

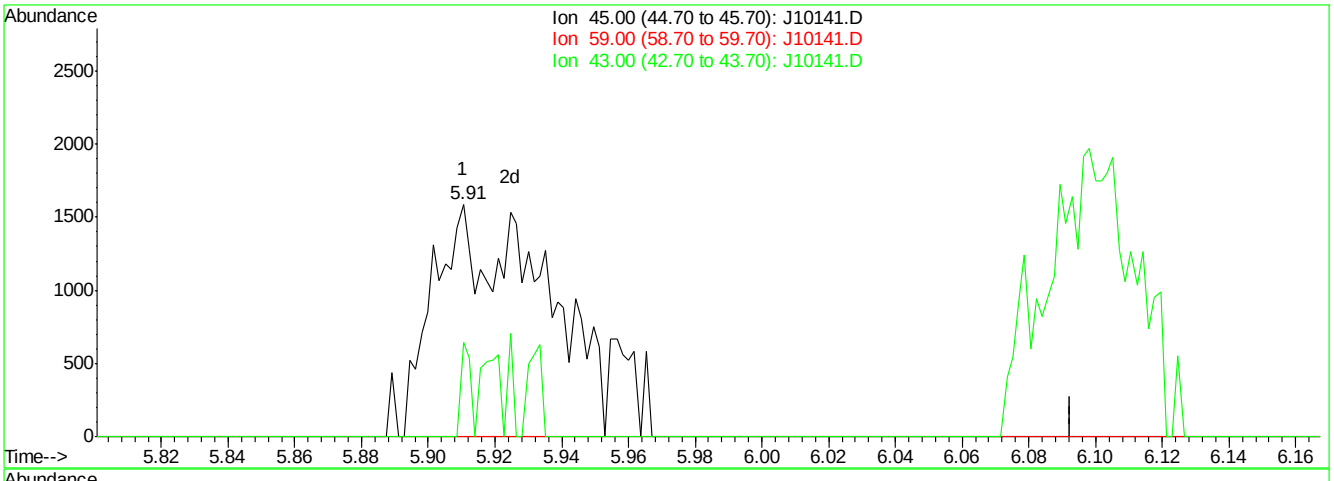
J10141.D J042607T.M Fri Apr 27 08:09:55 2007

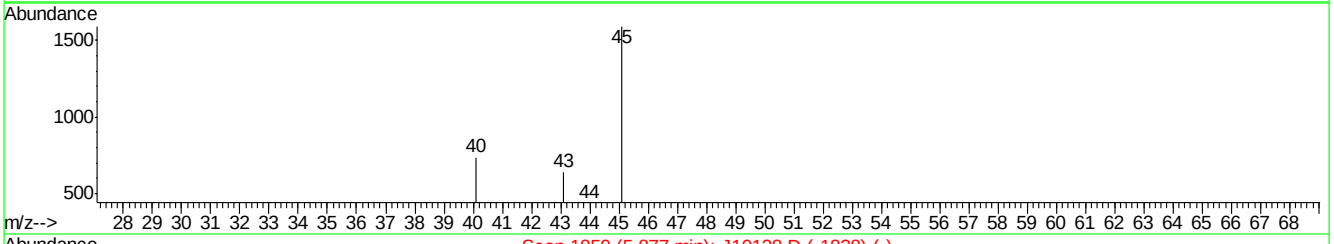
Quantitation Report (Qedit)

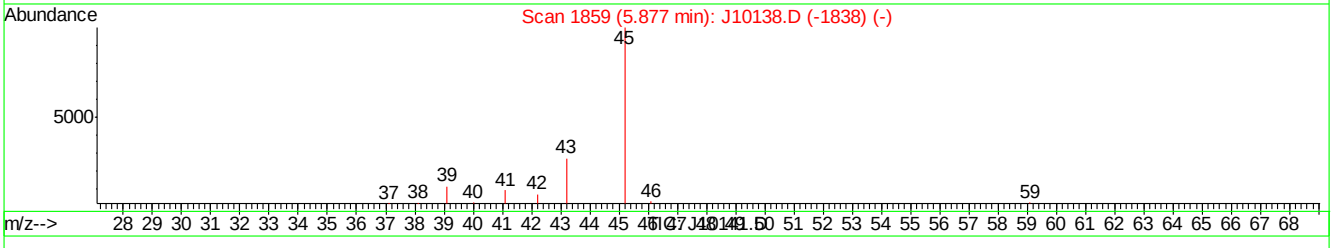
Data File : C:\MSDChem\1\data\J10141.D Vial: 3
Acq On : 26 Apr 2007 4:42 pm Operator: danat
Sample : IC525-0.5 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 08:05:11 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 08:09:16 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

5.91min 0.50PPBV m

response 3561

Ion	Exp%	Act%
45.00	100	100
59.00	2.60	0.00
43.00	27.00	40.35
0.00	0.00	0.00

J10141.D J042607T.M Fri Apr 27 08:10:06 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10143.D
Acq On : 26 Apr 2007 6:19 pm
Operator : danat
Sample : IC525-40 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 27 08:11:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 08:11:11 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	78991	10.00	PPBV	0.03
35) 1,4-DIFLUOROBENZENE	10.45	114	331420	10.00	PPBV	0.03
49) CHLOROBENZENE-D5	14.68	117	309562	10.00	PPBV	0.02
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	115504	6.02	PPBV	0.01
Spiked Amount 5.000	Range 51 - 142		Recovery = 120.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	1185013	39.25	PPBV	100
3) PROPYLENE	3.99	41	157372	40.04	PPBV	90
4) FREON 114	4.32	85	952758	40.05	PPBV	99
5) CHLOROMETHANE	4.22	50	205136	45.50	PPBV	95
6) VINYL CHLORIDE	4.45	62	260183	45.12	PPBV	99
7) 1,3-BUTADIENE	4.58	39	194987	53.84	PPBV	96
8) BROMOMETHANE	4.85	94	310484	43.21	PPBV	98
9) CHLOROETHANE	5.02	64	123332	50.31	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	1217994	40.92	PPBV	100
11) ISOPROPYL ALCOHOL	5.92	45	343660	50.30	PPBV	96
12) ACETONE	5.64	43	331335	42.82	PPBV	97
13) PENTANE	6.13	42	210264	44.81	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.42	96	295716	48.68	PPBV	99
15) CARBON DISULFIDE	6.85	76	791050	39.57	PPBV	100
16) ETHANOL	5.18	45	50999	49.84	PPBV #	53
17) BROMOETHENE	5.38	106	319683	48.44	PPBV	99
18) METHYLENE CHLORIDE	6.54	84	259131	24.35	PPBV	99
19) 3-CHLOROPROPENE	6.66	39	253117	52.61	PPBV	97
20) FREON 113	6.79	151	653193	42.22	PPBV	98
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	302753	49.09	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.52	59	534344	56.17	PPBV	99
23) METHYL TERTIARY BUTYL ETHE	7.72	73	704364	49.59	PPBV	99
24) TETRAHYDROFURAN	9.17	42	187770	52.45	PPBV	99
25) HEXANE	8.63	57	320381	36.70	PPBV	99
26) VINYL ACETATE	7.80	43	437752	58.15	PPBV	97
27) 1,1-DICHLOROETHANE	7.66	63	510046	45.14	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	360206	49.56	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.46	96	310714	48.99	PPBV	99
30) ETHYL ACETATE	8.69	43	401530	52.47	PPBV	99
31) CHLOROFORM	8.75	83	773714	45.25	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.68	97	940577	45.93	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1159283	44.92	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	479514	51.87	PPBV	100
36) BENZENE	10.13	78	757172	50.67	PPBV	99
37) CYCLOHEXANE	10.37	84	339538	51.77	PPBV	99
38) TRICHLOROETHYLENE	11.12	95	431142	53.08	PPBV	96
39) 1,2-DICHLOROPROPANE	10.91	63	245352	54.42	PPBV	98
40) BROMODICHLOROMETHANE	11.10	83	761084	48.96	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	1236653	52.49	PPBV	99
42) 1,4-DIOXANE	11.16	88	143240	50.83	PPBV	96
43) HEPTANE	11.37	43	356315	57.14	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10143.D
Acq On : 26 Apr 2007 6:19 pm
Operator : danat
Sample : IC525-40 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 27 08:11:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 08:11:11 2007
Response via : Initial Calibration

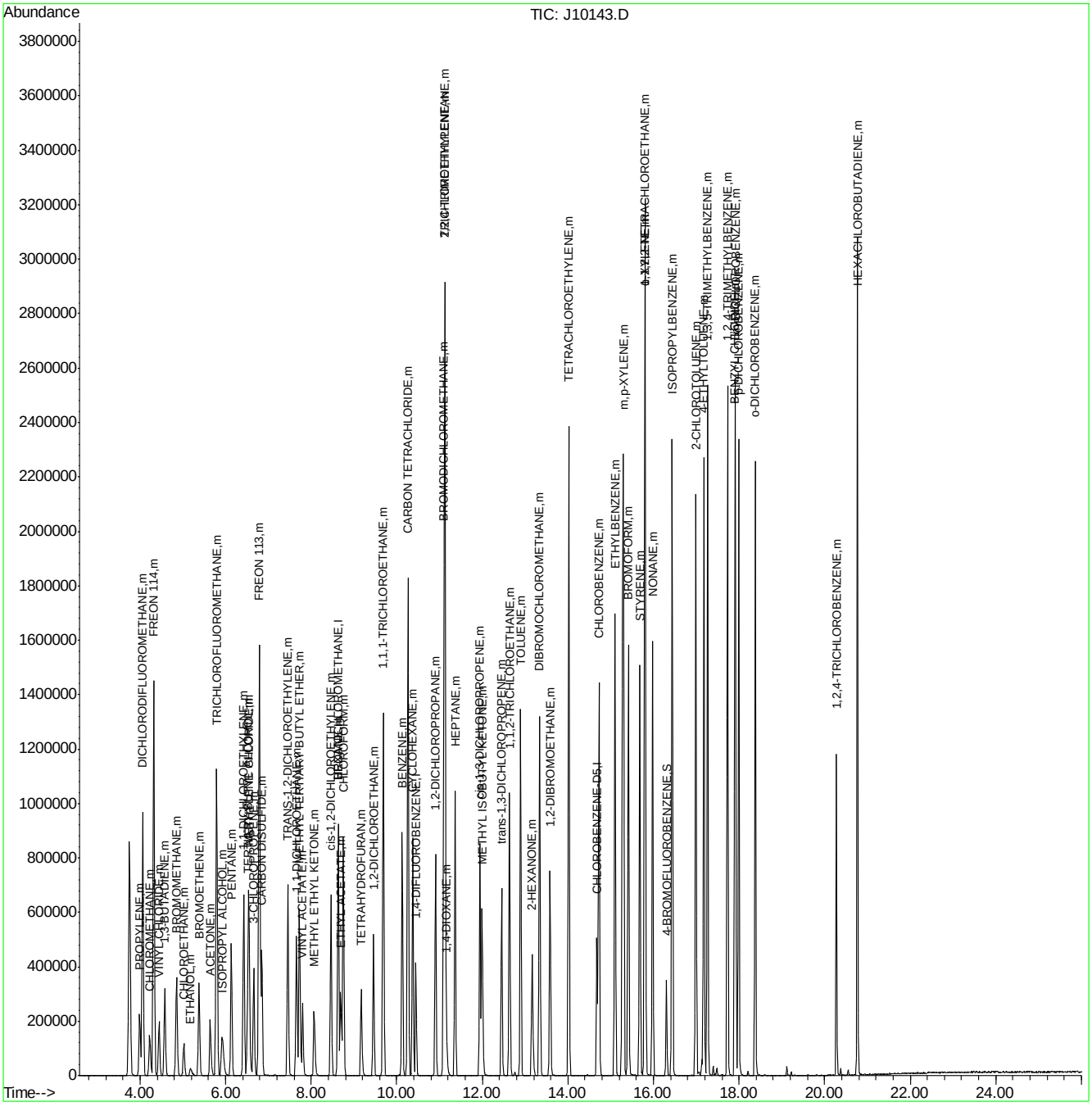
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	470586	61.43	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	455466	58.69	PPBV	99
46) TOLUENE	12.89	92	569961	56.22	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	410945	65.44	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.63	83	279073	54.63	PPBV	100
50) 2-HEXANONE	13.16	43	400408	56.81	PPBV	100
51) TETRACHLOROETHYLENE	14.02	164	523312	48.82	PPBV	99
52) DIBROMOCHLOROMETHANE	13.34	129	822091	47.77	PPBV	99
53) 1,2-DIBROMOETHANE	13.58	107	576849	51.22	PPBV	99
54) CHLOROBENZENE	14.73	112	824426	49.22	PPBV	100
55) ETHYLBENZENE	15.10	91	1333752	54.41	PPBV	100
56) m,p-XYLENE	15.29	106	1101128	120.39	PPBV	93
57) o-XYLENE	15.80	106	573578	60.41	PPBV	96
58) STYRENE	15.68	104	814578	63.43	PPBV	99
59) NONANE	15.98	43	542994	56.39	PPBV	98
60) BROMOFORM	15.41	173	878155	51.67	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	773873	52.97	PPBV	99
63) ISOPROPYLBENZENE	16.44	105	1695353	56.92	PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	1184329	58.13	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	1466947	61.00	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1429049	58.79	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	1363627	61.82	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	961788	55.40	PPBV	99
69) BENZYL CHLORIDE	17.90	91	870725	59.58	PPBV	99
70) p-DICHLOROBENZENE	17.99	146	907856	55.93	PPBV	97
71) o-DICHLOROBENZENE	18.38	146	856519	53.23	PPBV	100
72) HEXACHLOROBUTADIENE	20.77	225	506451	27.13	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.28	180	309374	31.94	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10143.D
Acq On : 26 Apr 2007 6:19 pm
Operator : danat
Sample : IC525-40 (M132)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 27 08:11:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 08:11:11 2007
Response via : Initial Calibration



ACCUTEST Laboratories M64242

J10144.D

Manual Integrations APPROVED (compounds with "m" flag)

Philip Bassignani 05/01/07 15:13

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10144.D
Acq On : 27 Apr 2007 9:19 am
Operator : danat
Sample : IC525-0.2 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 09:51:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:40:24 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	76765	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.44	114	323888	10.00	PPBV	0.02
49) CHLOROBENZENE-D5	14.67	117	262544	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	71375	4.34	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 86.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	6515	0.21	PPBV	72
3) PROPYLENE	4.00	41	332	0.08	PPBV #	16
4) FREON 114	4.32	85	5456	0.23	PPBV	94
5) CHLOROMETHANE	4.23	50	275	0.06	PPBV #	44
6) VINYL CHLORIDE	4.45	62	785	0.13	PPBV #	49
7) 1,3-BUTADIENE	4.58	39	483	0.13	PPBV #	63
8) BROMOMETHANE	4.86	94	1158	0.16	PPBV #	76
9) CHLOROETHANE	5.03	64	95	0.04	PPBV #	44
10) TRICHLOROFLUOROMETHANE	5.79	101	6968	0.23	PPBV	91
11) ISOPROPYL ALCOHOL	5.97	45	1616	0.23	PPBV #	52
12) ACETONE	5.69	43	2506	0.32	PPBV	70
13) PENTANE	6.15	42	819	0.17	PPBV #	28
14) 1,1-DICHLOROETHYLENE	6.42	96	1112	0.18	PPBV #	59
15) CARBON DISULFIDE	6.84	76	4870	0.24	PPBV #	62
17) BROMOETHENE	5.37	106	437	0.06	PPBV #	34
18) METHYLENE CHLORIDE	6.55	84	4559	0.43	PPBV	96
19) 3-CHLOROPROPENE	6.65	39	114	0.02	PPBV #	66
20) FREON 113	6.80	151	3175	0.20	PPBV #	15
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	1158	0.18	PPBV #	69
22) TERTIARY BUTYL ALCOHOL	6.59	59	1245m	0.13	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.76	73	2487	0.17	PPBV	64
24) TETRAHYDROFURAN	9.23	42	156	0.04	PPBV #	27
25) HEXANE	8.63	57	2069	0.23	PPBV #	78
26) VINYL ACETATE	7.81	43	1040m	0.13	PPBV	
27) 1,1-DICHLOROETHANE	7.66	63	2040	0.18	PPBV #	57
28) METHYL ETHYL KETONE	8.10	43	1876	0.25	PPBV #	55
29) cis-1,2-DICHLOROETHYLENE	8.46	96	1149	0.18	PPBV #	73
30) ETHYL ACETATE	8.71	43	1573m	0.20	PPBV	
31) CHLOROFORM	8.74	83	3405	0.19	PPBV	85
32) 1,1,1-TRICHLOROETHANE	9.68	97	4135	0.20	PPBV	93
33) CARBON TETRACHLORIDE	10.26	117	5358	0.20	PPBV	98
34) 1,2-DICHLOROETHANE	9.44	62	2032	0.21	PPBV #	61
36) BENZENE	10.12	78	3008	0.20	PPBV #	61
37) CYCLOHEXANE	10.37	84	825	0.12	PPBV #	78
38) TRICHLOROETHYLENE	11.12	95	1634	0.20	PPBV	98
39) 1,2-DICHLOROPROPANE	10.90	63	790	0.17	PPBV #	60
40) BROMODICHLOROMETHANE	11.09	83	3165	0.20	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.11	57	3840	0.16	PPBV #	91
43) HEPTANE	11.36	43	799	0.12	PPBV #	32
44) METHYL ISOBUTYL KETONE	12.01	43	1806	0.23	PPBV #	58
45) cis-1,3-DICHLOROPROPENE	11.93	75	1374	0.17	PPBV #	38

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10144.D
Acq On : 27 Apr 2007 9:19 am
Operator : danat
Sample : IC525-0.2 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 09:51:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:40:24 2007
Response via : Initial Calibration

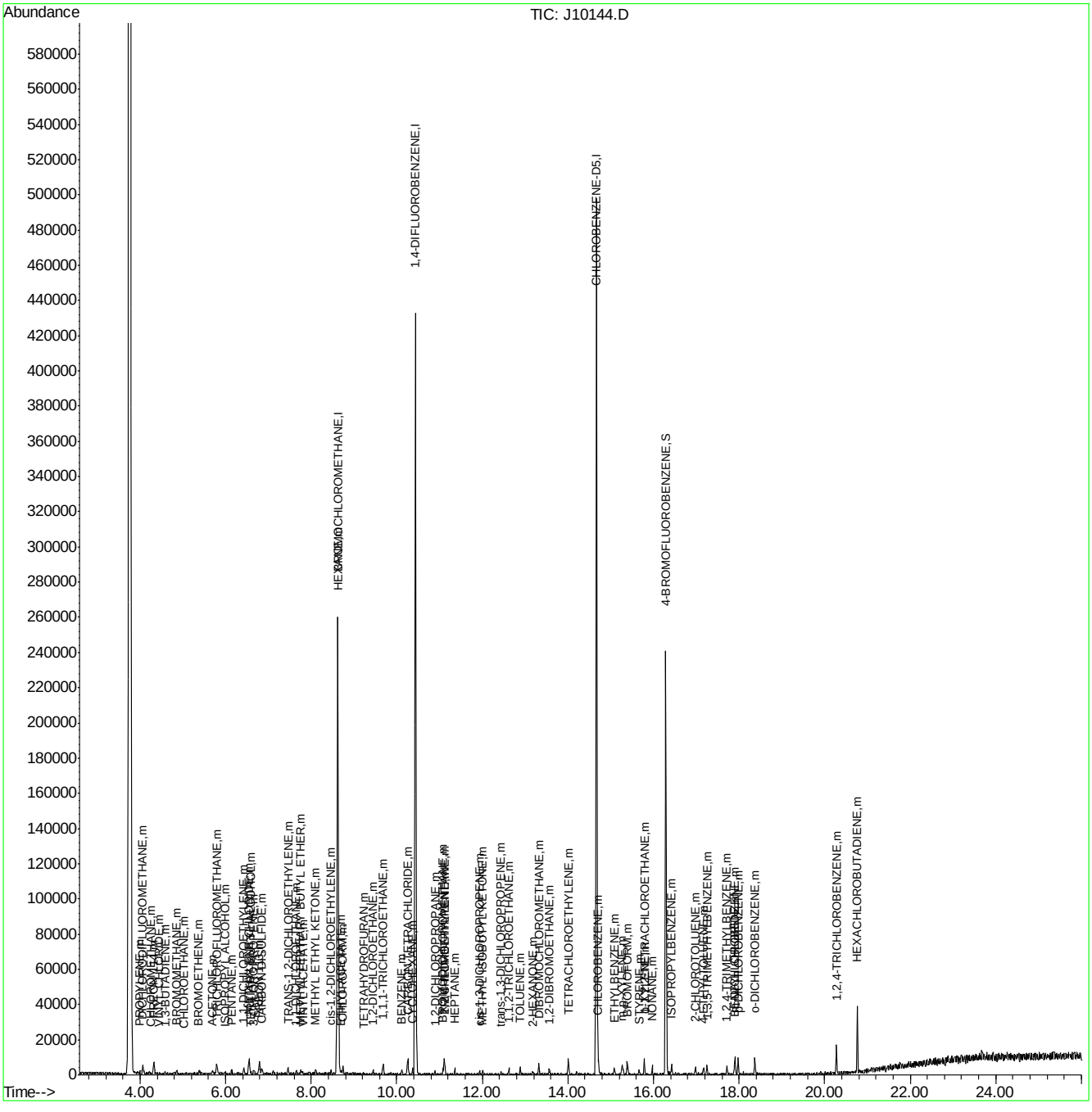
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
46) TOLUENE	12.88	92	1559	0.15 PPBV #	60
47) trans-1,3-DICHLOROPROPENE	12.44	75	778	0.12 PPBV #	74
48) 1,1,2-TRICHLOROETHANE	12.62	83	860	0.16 PPBV #	75
50) 2-HEXANONE	13.18	43	1848	0.29 PPBV #	42
51) TETRACHLOROETHYLENE	14.01	164	1797	0.19 PPBV	89
52) DIBROMOCHLOROMETHANE	13.32	129	3399	0.22 PPBV	95
53) 1,2-DIBROMOETHANE	13.56	107	2305	0.23 PPBV #	92
54) CHLOROBENZENE	14.71	112	3456	0.23 PPBV	96
55) ETHYLBENZENE	15.09	91	3643	0.17 PPBV #	87
56) m,p-XYLENE	15.27	106	2775m	0.34 PPBV	
57) o-XYLENE	15.78	106	1292	0.15 PPBV #	79
58) STYRENE	15.66	104	1726	0.15 PPBV	76
59) NONANE	15.97	43	883	0.10 PPBV #	65
60) BROMOFORM	15.38	173	3754	0.25 PPBV #	92
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	3419	0.26 PPBV #	86
63) ISOPROPYLBENZENE	16.42	105	4365	0.16 PPBV	87
64) 2-CHLOROTOLUENE	16.98	91	3537	0.19 PPBV	83
65) 4-ETHYLTOLUENE	17.16	105	3363	0.16 PPBV #	82
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	3859	0.18 PPBV #	94
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	3765	0.19 PPBV #	85
68) m-DICHLOROBENZENE	17.90	146	4423	0.29 PPBV	99
69) BENZYL CHLORIDE	17.88	91	3096	0.24 PPBV	72
70) p-DICHLOROBENZENE	17.98	146	4573	0.32 PPBV	92
71) o-DICHLOROBENZENE	18.37	146	4594	0.32 PPBV	97
72) HEXACHLOROBUTADIENE	20.77	225	6449	0.40 PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.28	180	5063	0.60 PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10144.D
Acq On : 27 Apr 2007 9:19 am
Operator : danat
Sample : IC525-0.2 (M161)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 09:51:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:40:24 2007
Response via : Initial Calibration



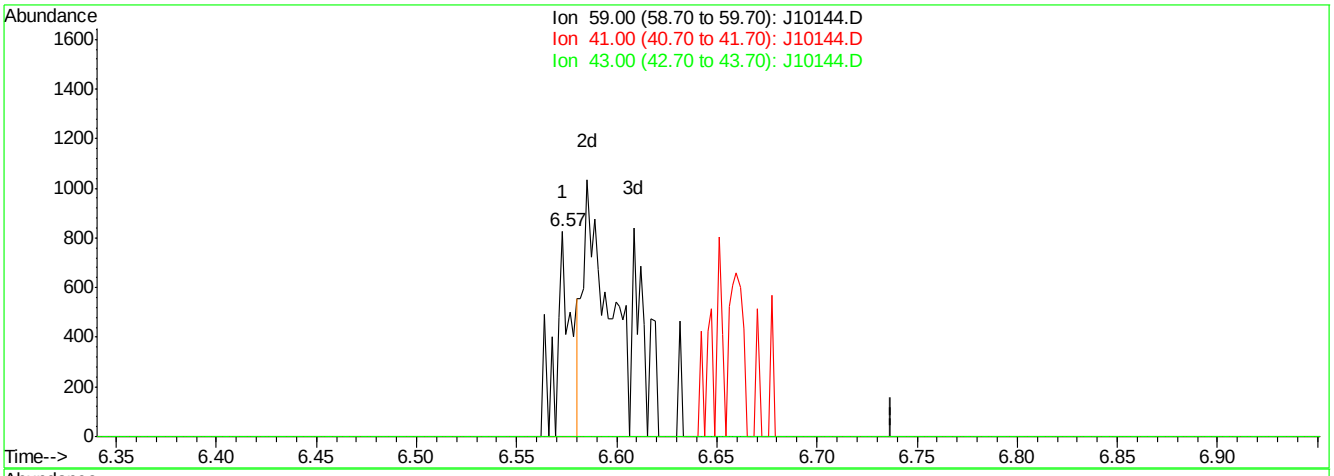
ACCUTEST Laboratories M64242

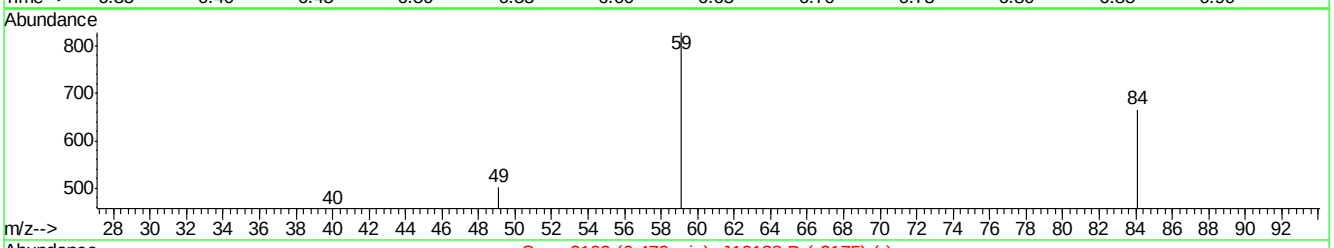
Quantitation Report (Qedit)

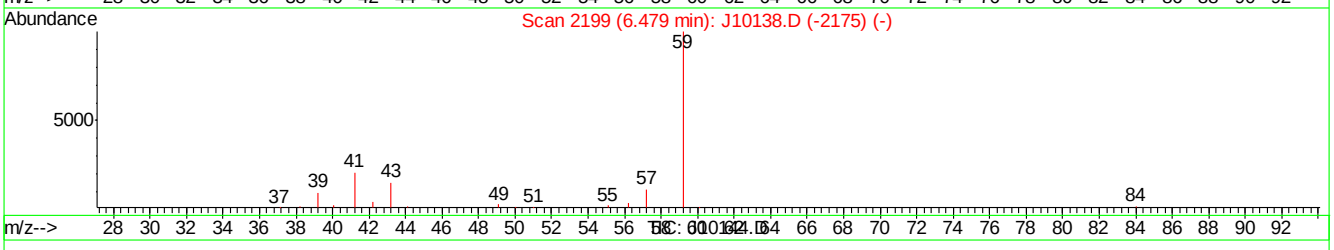
Data File : C:\MSDChem\1\data\J10144.D Vial: 3
Acq On : 27 Apr 2007 9:19 am Operator: danat
Sample : IC525-0.2 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 09:47:24 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:40:24 2007
Response via : Multiple Level Calibration







(22) TERTIARY BUTYL ALCOHOL (m)

6.57min 0.04PPBV

response 381

Ion	Exp%	Act%
59.00	100	100
41.00	21.30	0.00#
43.00	16.70	0.00
0.00	0.00	0.00

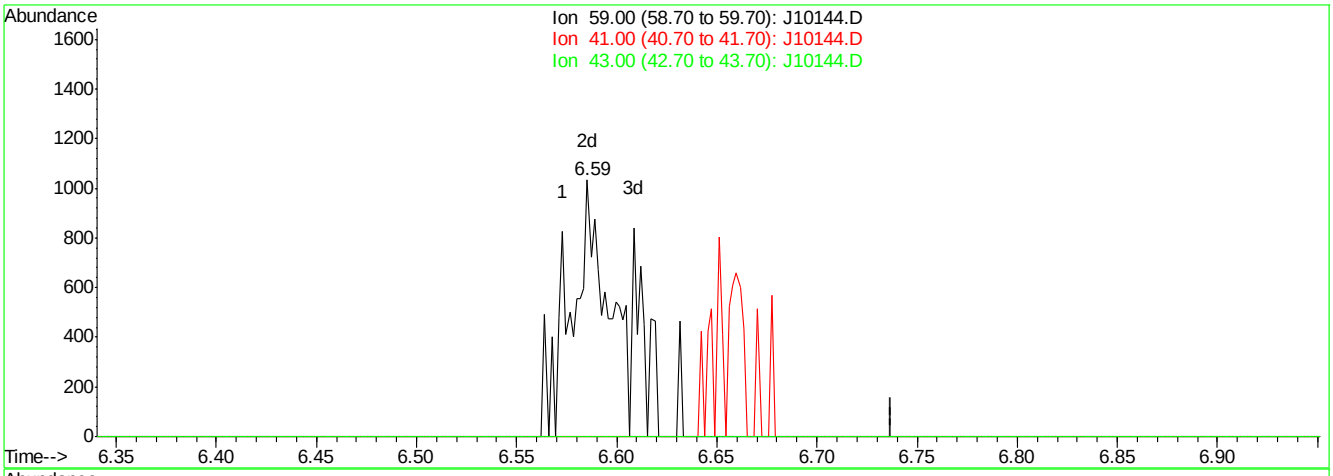
J10144.D J042607T.M Fri Apr 27 09:49:07 2007

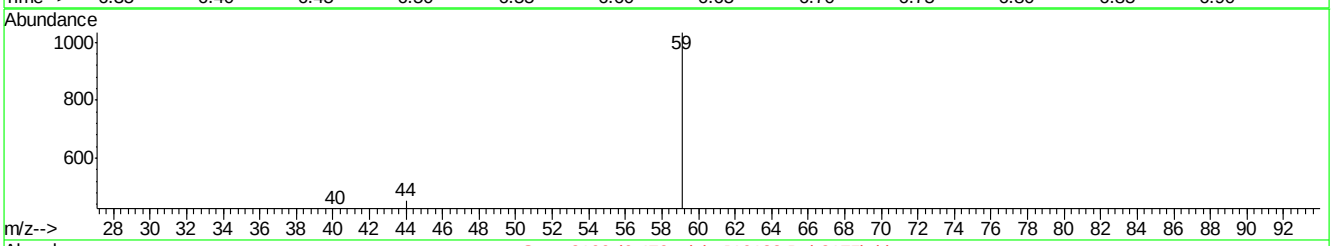
Quantitation Report (Qedit)

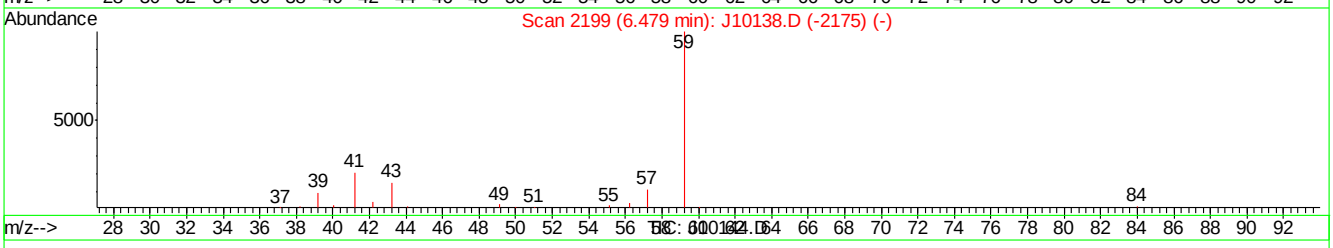
Data File : C:\MSDChem\1\data\J10144.D Vial: 3
Acq On : 27 Apr 2007 9:19 am Operator: danat
Sample : IC525-0.2 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 09:47:24 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:40:24 2007
Response via : Multiple Level Calibration







(22) TERTIARY BUTYL ALCOHOL (m)

6.59min 0.13PPBV m

response 1245

Ion	Exp%	Act%
59.00	100	100
41.00	21.30	0.00#
43.00	16.70	0.00
0.00	0.00	0.00

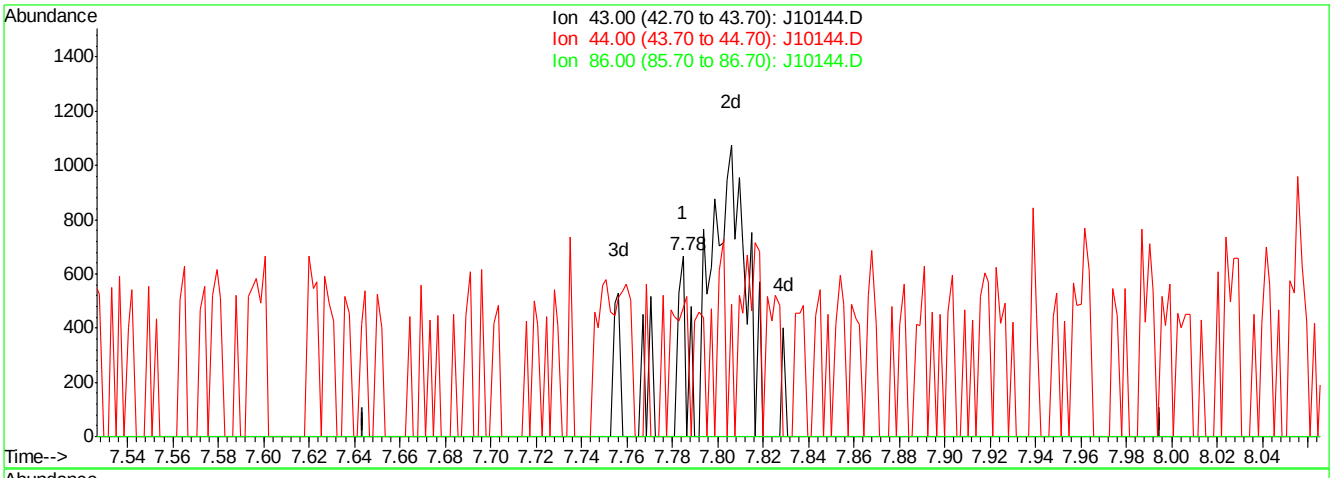
J10144.D J042607T.M Fri Apr 27 09:49:15 2007

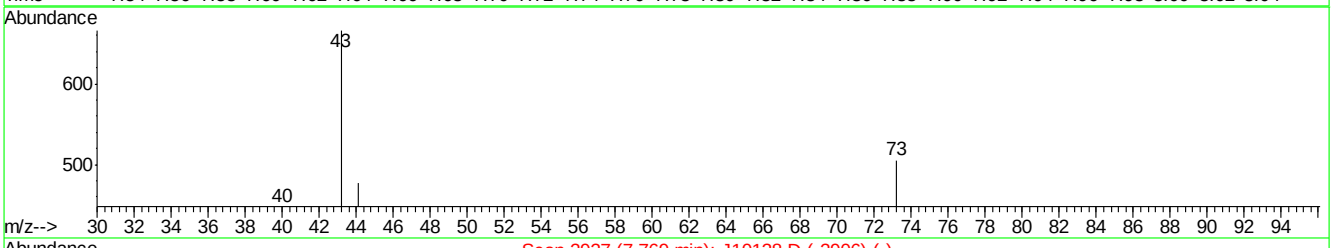
Quantitation Report (Qedit)

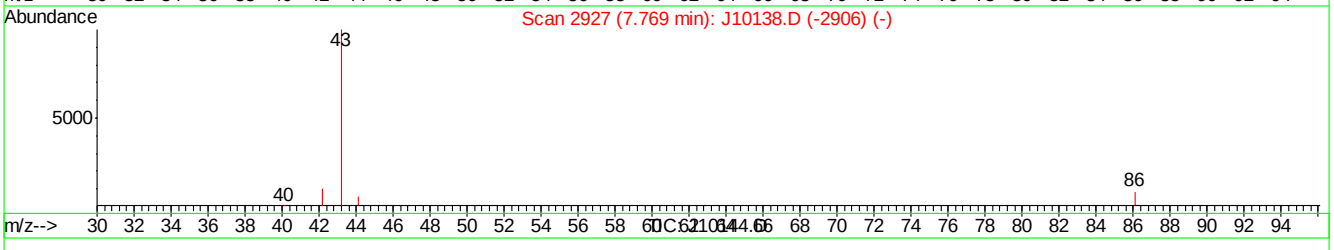
Data File : C:\MSDChem\1\data\J10144.D Vial: 3
Acq On : 27 Apr 2007 9:19 am Operator: danat
Sample : IC525-0.2 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 09:47:24 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:40:24 2007
Response via : Multiple Level Calibration







(26) VINYL ACETATE (m)

7.78min 0.02PPBV

response 127

Ion	Exp%	Act%
43.00	100	100
44.00	8.30	47.24#
86.00	8.60	0.00
0.00	0.00	0.00

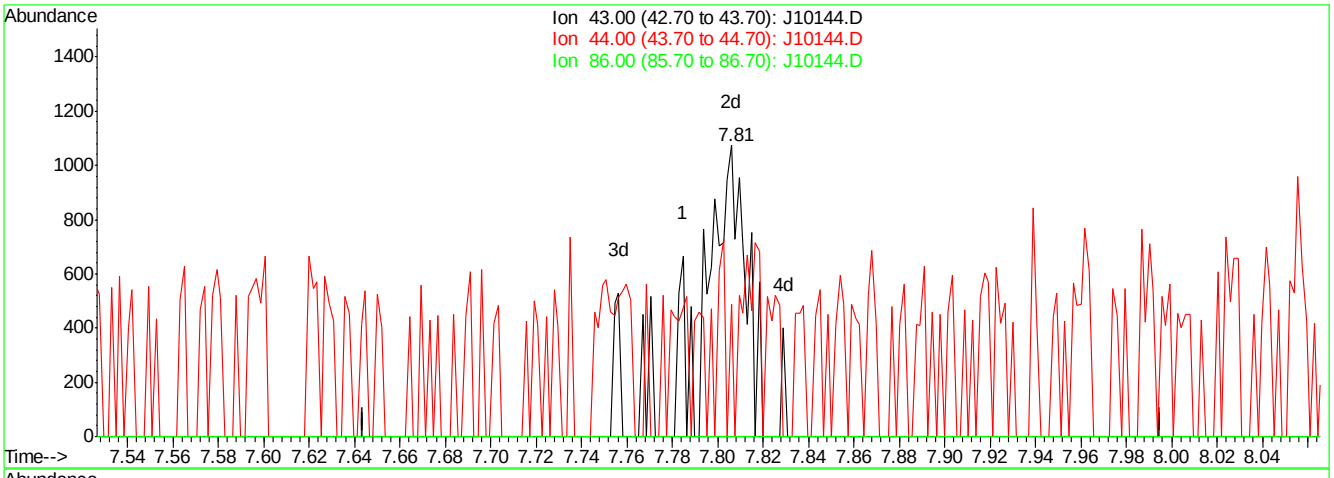
J10144.D J042607T.M Fri Apr 27 09:49:32 2007

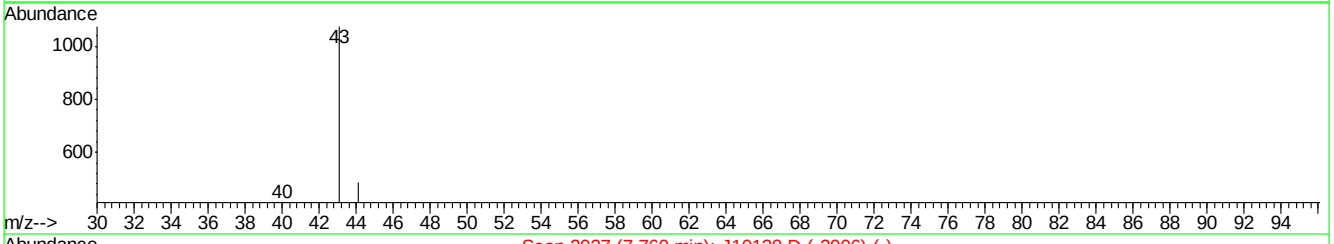
Quantitation Report (Qedit)

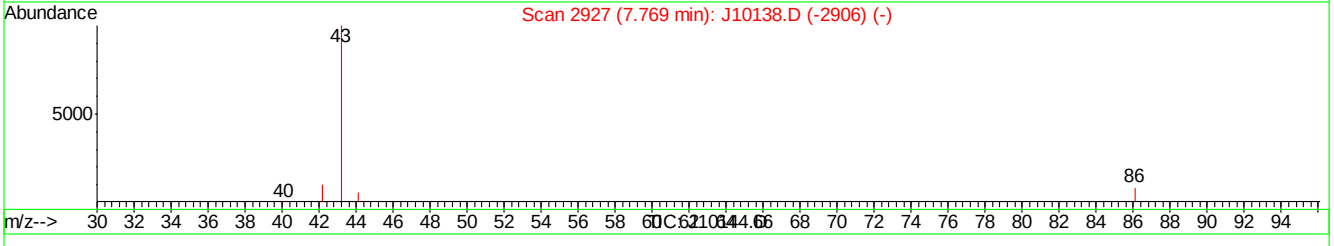
Data File : C:\MSDChem\1\data\J10144.D Vial: 3
Acq On : 27 Apr 2007 9:19 am Operator: danat
Sample : IC525-0.2 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 09:47:24 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:40:24 2007
Response via : Multiple Level Calibration







(26) VINYL ACETATE (m)

7.81min 0.13PPBV m

response 1040

Ion	Exp%	Act%
43.00	100	100
44.00	8.30	5.77
86.00	8.60	0.00
0.00	0.00	0.00

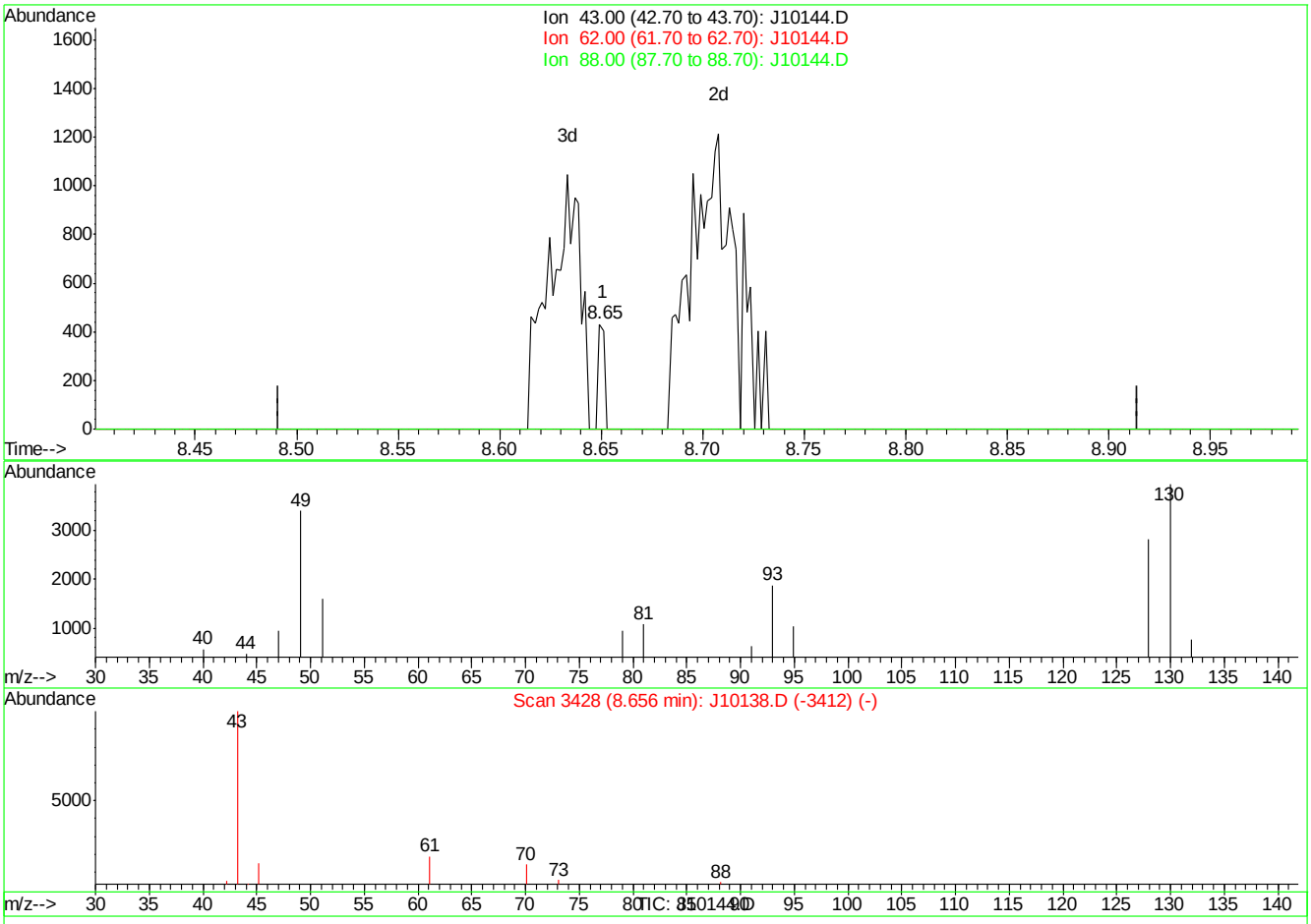
J10144.D J042607T.M Fri Apr 27 09:49:40 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10144.D Vial: 3
Acq On : 27 Apr 2007 9:19 am Operator: danat
Sample : IC525-0.2 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 09:47:24 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:40:24 2007
Response via : Multiple Level Calibration



(30) ETHYL ACETATE (m)

8.65min 0.01PPBV

response 88

Ion	Exp%	Act%
43.00	100	100
62.00	0.00	0.00
88.00	4.30	0.00
0.00	0.00	0.00

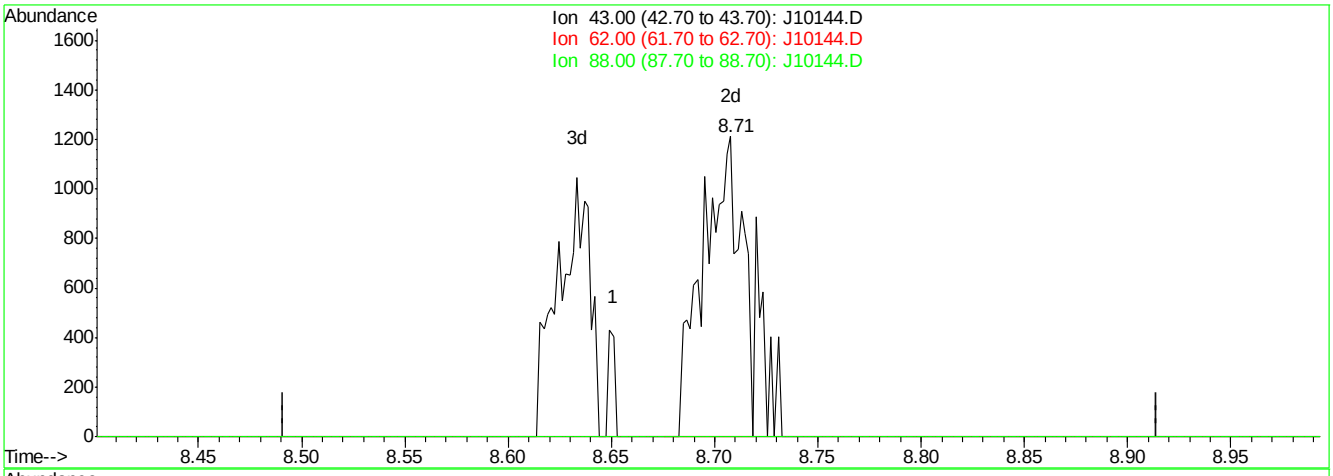
J10144.D J042607T.M Fri Apr 27 09:50:05 2007

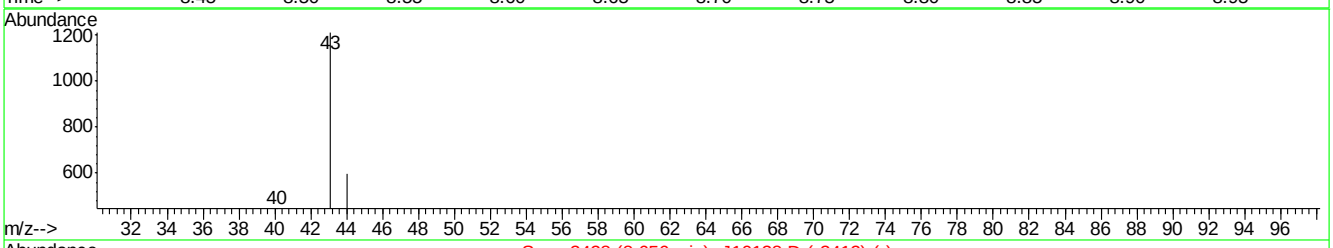
Quantitation Report (Qedit)

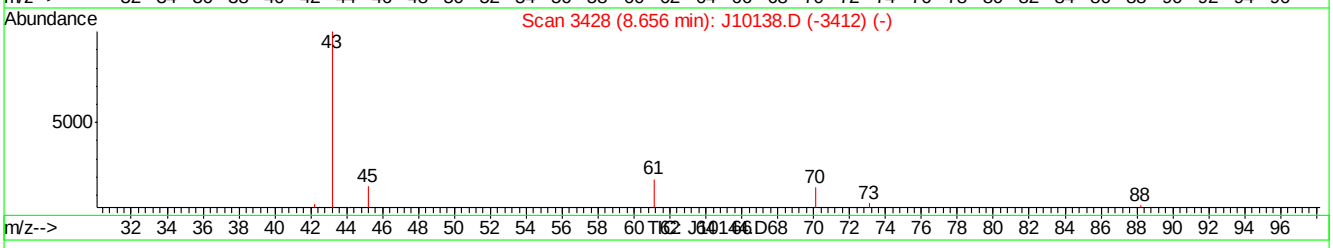
Data File : C:\MSDChem\1\data\J10144.D Vial: 3
Acq On : 27 Apr 2007 9:19 am Operator: danat
Sample : IC525-0.2 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 09:47:24 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:40:24 2007
Response via : Multiple Level Calibration







(30) ETHYL ACETATE (m)

8.71min 0.20PPBV m

response 1573

Ion	Exp%	Act%
43.00	100	100
62.00	0.00	0.00
88.00	4.30	0.00
0.00	0.00	0.00

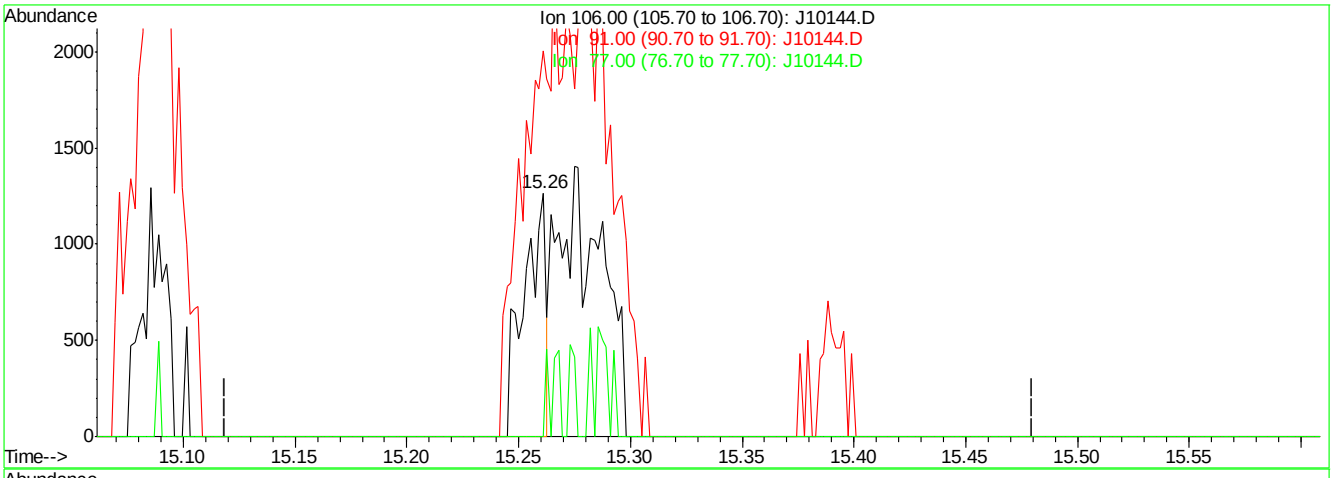
J10144.D J042607T.M Fri Apr 27 09:50:13 2007

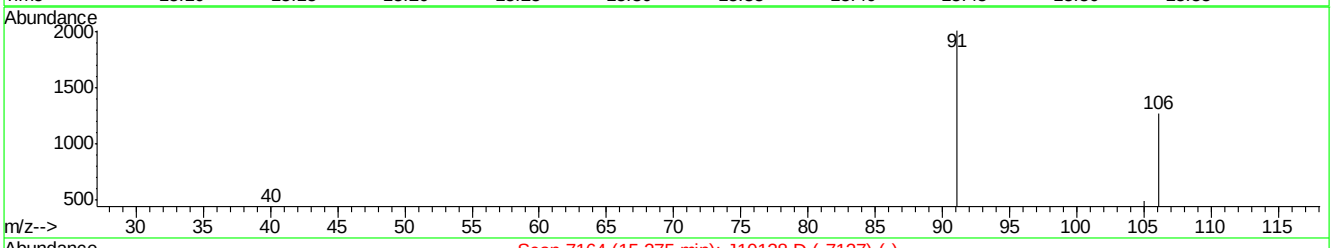
Quantitation Report (Qedit)

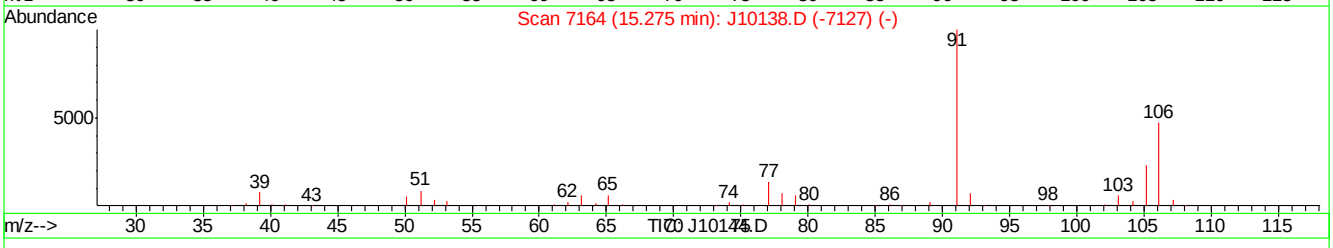
Data File : C:\MSDChem\1\data\J10144.D Vial: 3
Acq On : 27 Apr 2007 9:19 am Operator: danat
Sample : IC525-0.2 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 09:47:24 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:40:24 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.26min 0.10PPBV

response 853

Ion	Exp%	Act%
106.00	100	100
91.00	211.60	158.25#
77.00	28.30	0.00#
0.00	0.00	0.00

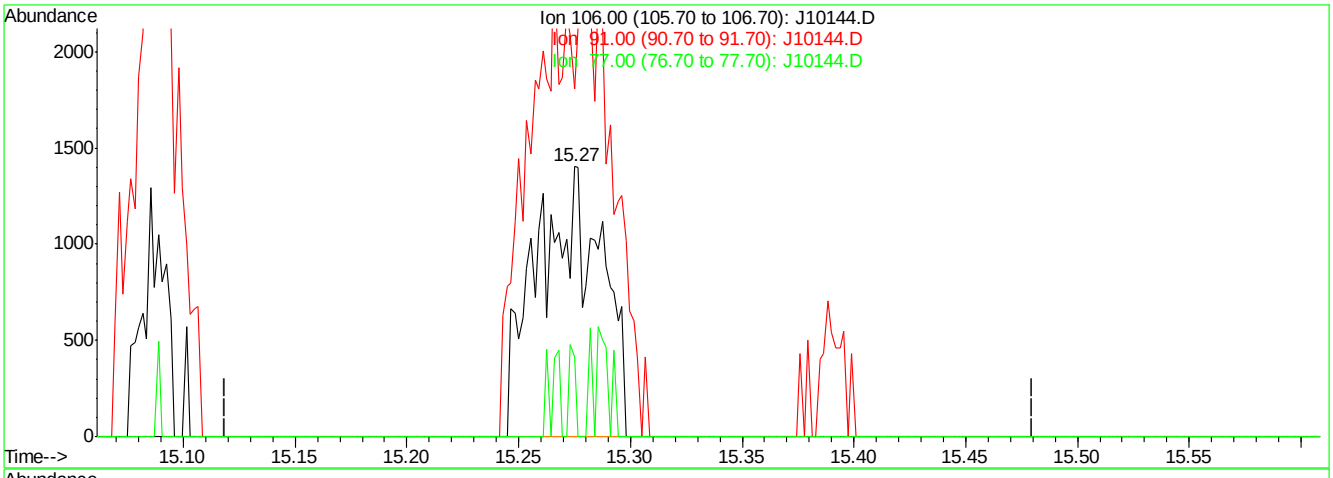
J10144.D J042607T.M Fri Apr 27 09:51:07 2007

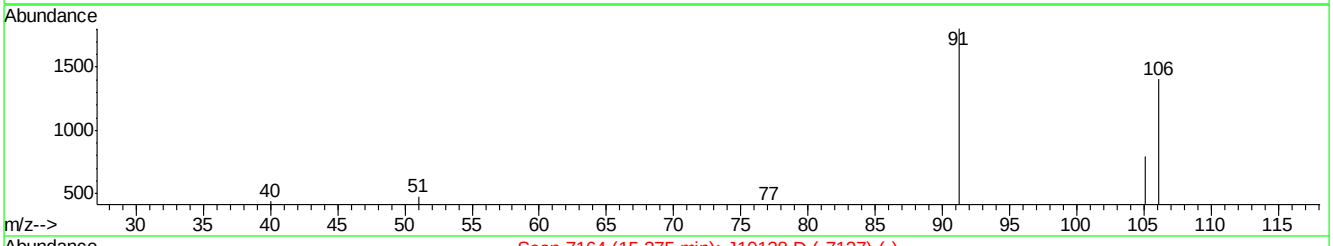
Quantitation Report (Qedit)

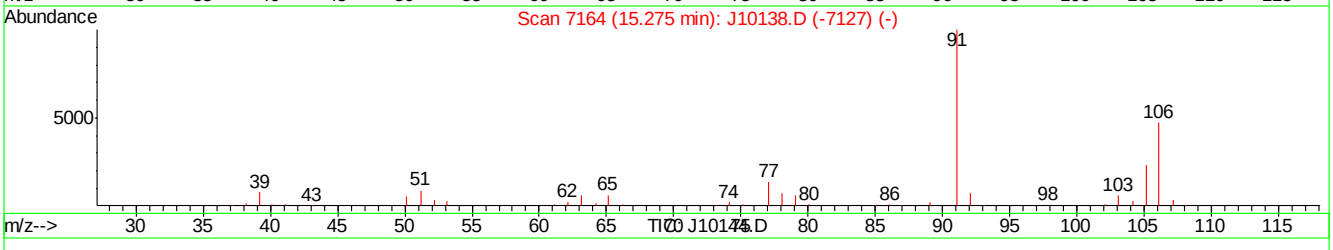
Data File : C:\MSDChem\1\data\J10144.D Vial: 3
Acq On : 27 Apr 2007 9:19 am Operator: danat
Sample : IC525-0.2 (M161) Inst : MSJ
Misc : MS13434, MSJ525,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Apr 27 09:47:24 2007 Results File: J042607T.RES

Method : C:\MSDCHEM\1\METHODS\J042607T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Apr 27 09:40:24 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.27min 0.34PPBV m

response 2775

Ion	Exp%	Act%
106.00	100	100
91.00	211.60	128.54#
77.00	28.30	29.32
0.00	0.00	0.00

J10144.D J042607T.M Fri Apr 27 09:51:13 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10146A.D
Acq On : 27 Apr 2007 10:50 am
Operator : danat
Sample : CC525-10 (M050)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 11:37:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	79693	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.44	114	333965	10.00	PPBV	0.02
49) CHLOROBENZENE-D5	14.67	117	292288	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	97770	5.33	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 106.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	266299	8.42	PPBV	100
3) PROPYLENE	3.99	41	33871	8.88	PPBV	86
4) FREON 114	4.32	85	211321	8.33	PPBV	98
5) CHLOROMETHANE	4.23	50	45874	8.53	PPBV	94
6) VINYL CHLORIDE	4.44	62	59232	9.20	PPBV	99
7) 1,3-BUTADIENE	4.58	39	43657	9.06	PPBV	96
8) BROMOMETHANE	4.86	94	70391	9.08	PPBV	99
9) CHLOROETHANE	5.02	64	27402	8.80	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	275915	8.71	PPBV	100
11) ISOPROPYL ALCOHOL	5.91	45	66363	7.98	PPBV	94
12) ACETONE	5.64	43	68633	7.68	PPBV	97
13) PENTANE	6.13	42	45311	8.70	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.42	96	68337	9.76	PPBV	98
15) CARBON DISULFIDE	6.84	76	185076	8.65	PPBV	99
16) ETHANOL	5.18	45	10416	8.62	PPBV	95
17) BROMOETHENE	5.38	106	70620	8.94	PPBV	99
18) METHYLENE CHLORIDE	6.54	84	59029	8.66	PPBV	100
19) 3-CHLOROPROPENE	6.66	39	48150	8.17	PPBV	96
20) FREON 113	6.79	151	145676	8.98	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	65668	9.15	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.51	59	102827	9.35	PPBV	99
23) METHYL TERTIARY BUTYL ETHE	7.72	73	144353	9.39	PPBV	99
24) TETRAHYDROFURAN	9.17	42	37099	8.60	PPBV	99
25) HEXANE	8.63	57	69349	7.80	PPBV	97
26) VINYL ACETATE	7.79	43	78811	8.97	PPBV	99
27) 1,1-DICHLOROETHANE	7.65	63	108583	9.07	PPBV	99
28) METHYL ETHYL KETONE	8.06	43	72198	8.39	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.46	96	62857	9.01	PPBV	99
30) ETHYL ACETATE	8.68	43	80830	9.13	PPBV #	100
31) CHLOROFORM	8.74	83	163451	9.02	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.68	97	192708	8.83	PPBV	99
33) CARBON TETRACHLORIDE	10.25	117	247503	8.98	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	92071	8.77	PPBV	99
36) BENZENE	10.12	78	143794	8.94	PPBV	99
37) CYCLOHEXANE	10.37	84	72848	10.24	PPBV	99
38) TRICHLOROETHYLENE	11.11	95	81820	9.14	PPBV	98
39) 1,2-DICHLOROPROPANE	10.90	63	46044	9.09	PPBV	97
40) BROMODICHLOROMETHANE	11.09	83	152037	9.26	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	234777	9.32	PPBV	99
42) 1,4-DIOXANE	11.16	88	25906	8.46	PPBV	90
43) HEPTANE	11.36	43	70474	10.24	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10146A.D
Acq On : 27 Apr 2007 10:50 am
Operator : danat
Sample : CC525-10 (M050)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 11:37:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

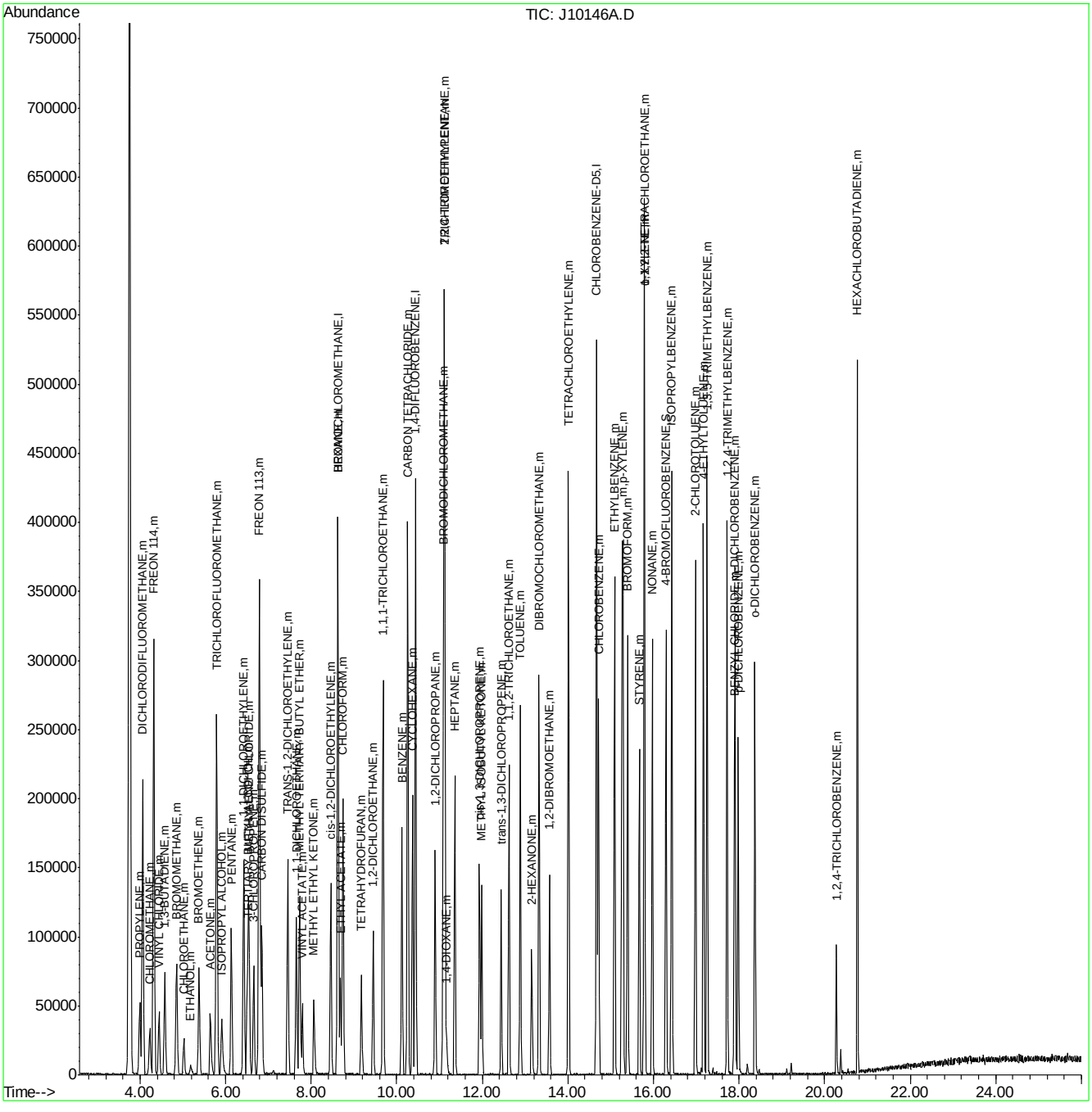
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	86927	9.15 PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.93	75	74154	8.55 PPBV	98
46) TOLUENE	12.89	92	103186	9.52 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	67124	9.48 PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	50928	9.00 PPBV	97
50) 2-HEXANONE	13.15	43	64782	7.70 PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	93182	8.93 PPBV	100
52) DIBROMOCHLOROMETHANE	13.32	129	152892	8.87 PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	92209	7.85 PPBV	100
54) CHLOROBENZENE	14.72	112	141008	8.14 PPBV	100
55) ETHYLBENZENE	15.09	91	243957	9.81 PPBV	99
56) m,p-XYLENE	15.28	106	186426	18.67 PPBV	95
57) o-XYLENE	15.78	106	97564	9.90 PPBV	99
58) STYRENE	15.66	104	111088	8.21 PPBV	98
59) NONANE	15.97	43	97150	9.95 PPBV	100
60) BROMOFORM	15.40	173	154730	8.66 PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	130473	8.05 PPBV	99
63) ISOPROPYLBENZENE	16.43	105	293832	9.65 PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	193587	9.07 PPBV	98
65) 4-ETHYLTOLUENE	17.17	105	237322	9.53 PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	233993	9.27 PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	203695	8.66 PPBV	99
68) m-DICHLOROBENZENE	17.91	146	115031	6.11 PPBV	99
69) BENZYL CHLORIDE	17.88	91	93290	5.85 PPBV	99
70) p-DICHLOROBENZENE	17.98	146	96408	5.31 PPBV	96
71) o-DICHLOROBENZENE	18.37	146	112679	8.59 PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	83127	4.34 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	24987	3.62 PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10146A.D
Acq On : 27 Apr 2007 10:50 am
Operator : danat
Sample : CC525-10 (M050)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 11:37:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10146.D
Acq On : 27 Apr 2007 10:50 am
Operator : danat
Sample : ICV525-10 (M050)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 11:37:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	79693	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.44	114	333965	10.00	PPBV	0.02
49) CHLOROBENZENE-D5	14.67	117	292288	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	97770	5.33	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 106.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	266299	8.42	PPBV	100
3) PROPYLENE	3.99	41	33871	8.88	PPBV	86
4) FREON 114	4.32	85	211321	8.33	PPBV	98
5) CHLOROMETHANE	4.23	50	45874	8.53	PPBV	94
6) VINYL CHLORIDE	4.44	62	59232	9.20	PPBV	99
7) 1,3-BUTADIENE	4.58	39	43657	9.06	PPBV	96
8) BROMOMETHANE	4.86	94	70391	9.08	PPBV	99
9) CHLOROETHANE	5.02	64	27402	8.80	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	275915	8.71	PPBV	100
11) ISOPROPYL ALCOHOL	5.91	45	66363	7.98	PPBV	94
12) ACETONE	5.64	43	68633	7.68	PPBV	97
13) PENTANE	6.13	42	45311	8.70	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.42	96	68337	9.76	PPBV	98
15) CARBON DISULFIDE	6.84	76	185076	8.65	PPBV	99
16) ETHANOL	5.18	45	10416	8.62	PPBV	95
17) BROMOETHENE	5.38	106	70620	8.94	PPBV	99
18) METHYLENE CHLORIDE	6.54	84	59029	8.66	PPBV	100
19) 3-CHLOROPROPENE	6.66	39	48150	8.17	PPBV	96
20) FREON 113	6.79	151	145676	8.98	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	65668	9.15	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.51	59	102827	9.35	PPBV	99
23) METHYL TERTIARY BUTYL ETHE	7.72	73	144353	9.39	PPBV	99
24) TETRAHYDROFURAN	9.17	42	37099	8.60	PPBV	99
25) HEXANE	8.63	57	69349	7.80	PPBV	97
26) VINYL ACETATE	7.79	43	78811	8.97	PPBV	99
27) 1,1-DICHLOROETHANE	7.65	63	108583	9.07	PPBV	99
28) METHYL ETHYL KETONE	8.06	43	72198	8.39	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.46	96	62857	9.01	PPBV	99
30) ETHYL ACETATE	8.68	43	80830	9.13	PPBV #	100
31) CHLOROFORM	8.74	83	163451	9.02	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.68	97	192708	8.83	PPBV	99
33) CARBON TETRACHLORIDE	10.25	117	247503	8.98	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	92071	8.77	PPBV	99
36) BENZENE	10.12	78	143794	8.94	PPBV	99
37) CYCLOHEXANE	10.37	84	72848	10.24	PPBV	99
38) TRICHLOROETHYLENE	11.11	95	81820	9.14	PPBV	98
39) 1,2-DICHLOROPROPANE	10.90	63	46044	9.09	PPBV	97
40) BROMODICHLOROMETHANE	11.09	83	152037	9.26	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	234777	9.32	PPBV	99
42) 1,4-DIOXANE	11.16	88	25906	8.46	PPBV	90
43) HEPTANE	11.36	43	70474	10.24	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10146.D
Acq On : 27 Apr 2007 10:50 am
Operator : danat
Sample : ICV525-10 (M050)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 11:37:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration

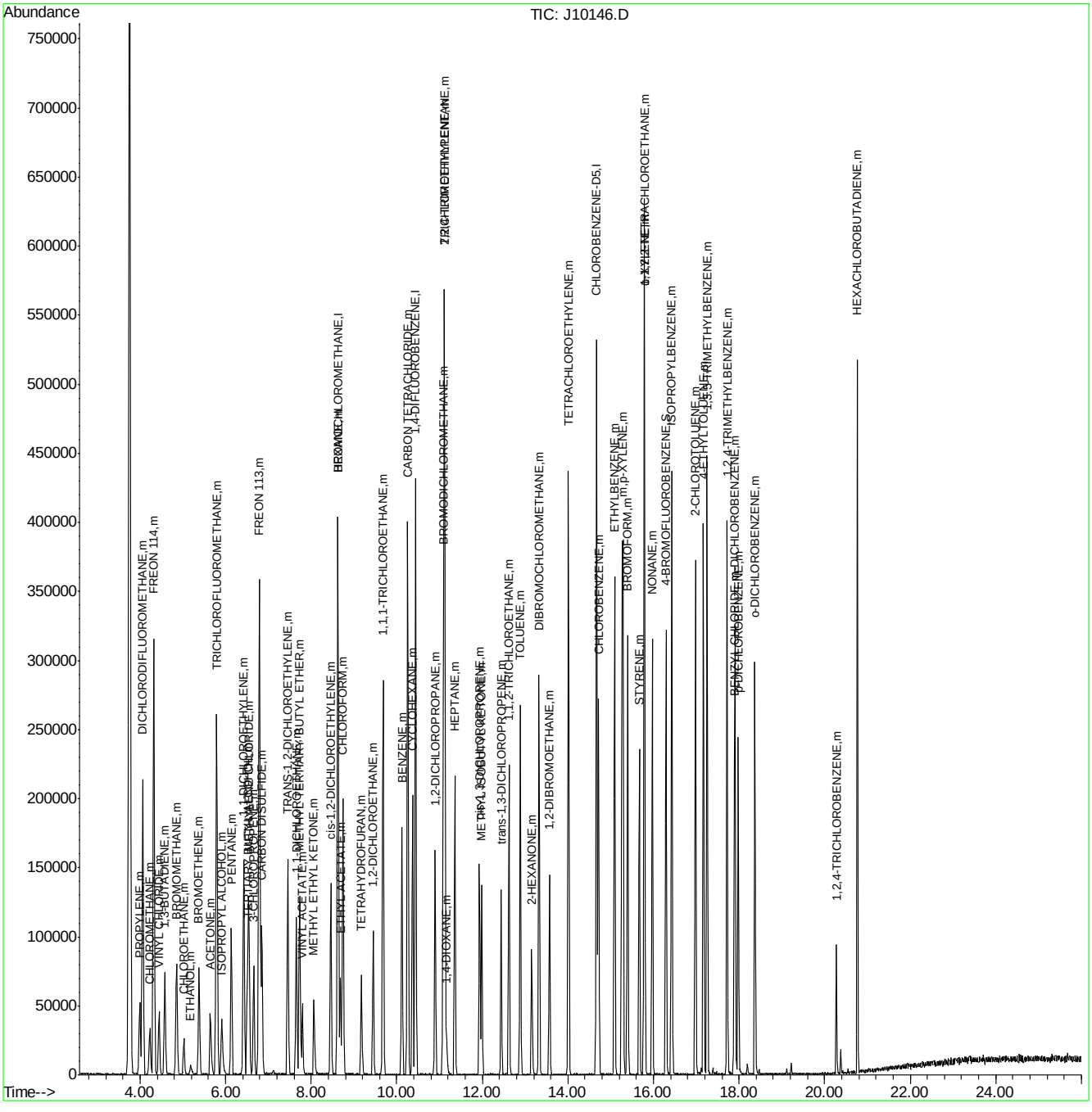
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.98	43	86927	9.15	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.93	75	74154	8.55	PPBV	98
46) TOLUENE	12.89	92	103186	9.52	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.44	75	67124	9.48	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	50928	9.00	PPBV	97
50) 2-HEXANONE	13.15	43	64782	7.70	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	93182	8.93	PPBV	100
52) DIBROMOCHLOROMETHANE	13.32	129	152892	8.87	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	92209	7.85	PPBV	100
54) CHLOROBENZENE	14.72	112	141008	8.14	PPBV	100
55) ETHYLBENZENE	15.09	91	243957	9.81	PPBV	99
56) m,p-XYLENE	15.28	106	186426	18.67	PPBV	95
57) o-XYLENE	15.78	106	97564	9.90	PPBV	99
58) STYRENE	15.66	104	111088	8.21	PPBV	98
59) NONANE	15.97	43	97150	9.95	PPBV	100
60) BROMOFORM	15.40	173	154730	8.66	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	130473	8.05	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	293832	9.65	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	193587	9.07	PPBV	98
65) 4-ETHYLTOLUENE	17.17	105	237322	9.53	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	233993	9.27	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	203695	8.66	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	115031	6.11	PPBV	99
69) BENZYL CHLORIDE	17.88	91	93290	5.85	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	96408	5.31	PPBV	96
71) o-DICHLOROBENZENE	18.37	146	112679	8.59	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	83127	4.34	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	24987	3.62	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10146.D
Acq On : 27 Apr 2007 10:50 am
Operator : danat
Sample : ICV525-10 (M050)
Misc : MS13434, MSJ525,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 11:37:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J042607T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Apr 27 09:59:19 2007
Response via : Initial Calibration



ACCUTEST Laboratories M64242

Standard Lot #	
Calib STD 1	MSA326
Calib STD 2	MSA327
ICV	MSA324/MSA320
Inter/Surr STD	MSA218
BS/BSD	MSA320

File ID	
Tune File 1	MSA10136
Tune File 2	MSA10145
Initial Cal.	4/26/07
ID FILE	J042607T.M
Instrument ID	J
ICAL:	J10146
Column Type:	RTX-1
Sequence Verified By:	DT 4/27/07

Date:	4/26/2007
Analyst:	DANAT
Batch ID:	msj525
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/1/2007 5:55:47 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10134	CC522-10	m013	MSA323		4		1		Re-run , check fails.
J10135	CC522-10	m013	MSA323		4		1		Re-calibrate , check fails again.
J10136	IC525-40	m132	MSA326		4		1		Internals high , re-run.
J10137	IC525-20	m132	MSA326		4		1		
J10138	ICC525-10	m132	MSA326		4		1		
J10139	IC525-5	m132	MSA326		4		1		
J10140	IC525-2	m161	MSA327		3		1		
J10141	IC525-0.5	m161	MSA327		3		1		
J10142	IC525-0.2	m161	MSA327		3		1		Chloroethane missing , re-run.
J10143	IC525-40	m132	MSA326		4		1		
J10144	IC525-0.2	m161	MSA327		3		1		
J10145	ICV525-10	m070	MSA324		2		1		ICV fails , re-run using different standard.
J10146	ICV525-10	m050	MSA320		2		1		
J10146a	CC525-10	m050	MSA320		2		1		
J10146b	BS	m050	MSA320		2		1		
J10147	MB	m057			5		1		Re-run using different can , hits present.
J10148	MB	m073			5		1		
J10149	M64244-8	m008	MS13445	VTO15STD	10		1		
J10150	M64244-7	m019	MS13445	VTO15STD	11		1		
J10151	M64244-6	m136	MS13445	VTO15STD	12		1		
J10152	M64244-6DUP	m136	MS13445	VTO15STD	12		1		
J10153	M64244-1	m007	MS13445	VTO15STD	6		1		
J10154	M64244-2	m130	MS13445	VTO15STD	7		1		
J10155	M64244-3	m095	MS13445	VTO15STD	8		1		
J10156	M64244-4	m058	MS13445	VTO15STD	9		1		
J10157	M64244-5	m053	MS13445	VTO15STD	13		1		
J10158	M64242-2	m024	MS13445	VTO15STD	3		1		
J10159	M64243-1	m133	MS13445	VTO15STD	4		1		
J10160	M64243-2	m079	MS13445	VTO15STD	10		1		
J10161	M64240-2	m117	MS13445	VTO15STD	14		1		Re-run @ 1000x , over calibration.
J10162	M64241-1	m009	MS13445	VTO15STD	15		1		Do not report, possible carry over
J10163	M64241-2	m108	MS13445	VTO15STD	16		1		Do not report, possible carry over