New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

06/26/07

Technical Report for

GEI Consultants, Inc.

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Accutest Job Number: M65248R

Sampling Date: 06/01/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **217**

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

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Kristen Blanchard 508-481-6200

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

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Test results relate only to samples analyzed.

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Accutest Laboratories

Sample Summary

GEI Consultants, Inc.

Job No: M65248R

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M65248-2R	06/01/07	15:05	SLS	06/04/07	AIR	Air	045162-2 HAD-SS2

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M65248R
Site:	Indoor & Outdoor Air Samples Tufts St., Somerville MA	**Report Date**	6/26/2007 2:31:18 PM

1 Sample was collected on 06/01/2007 and were received at Accutest on 06/04/2007. These Samples received an Accutest job number of M65248R. 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:** MSJ555

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M65230-1RDUP were used as the QC samples indicated.
- RPD(s) for Duplicate for Tetrachloroethylene are outside control limits for sample M65230-1RDUP. High RPD due to possible matrix interference and/or sample non-homogeneity.

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(M65248R).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-2 HAD-SS2		
Lab Sample ID:	M65248-2R	**Date Sampled:**	06/01/07
Matrix:	AIR - Air Summa ID: M124	**Date Received:**	06/04/07
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	J10722.D	1	06/21/07	DFT	n/a	n/a	MSJ555
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	0.15	0.20	ppbv	J	0.82	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.17	0.20	ppbv	J	1.2	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	97%		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

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

Air Sampling Field Data Sheet

FED-EX Tracking #:
Bottle Order Control #:
Lab Quote #:
Lab Job #: M65248R

PAGE 1 OF 2

Client / Reporting Information

Company Name: GEI Consultants
Address: 400 Unicorn Park Drive
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 St.
Street:
City: Somerville State: MA
Project #: 045162
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: Maximum: X
Stop: Minimum: X

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

Other weather comment: v. hot

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	
M65248R-1	045162-2Had-SS1	SV	M027	6L	MC082	6·1·07	1404	30	/	SLS	6·1·07	1505	4	/	SLS			
-2	045162-2Had-SS2	SV	M124	6L	MC111	6·1·07	1404	29	/	SLS	6·1·07	1505	4	/	SLS			HOLD

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

See attached analyte list

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	6·1·07 1045	2 Tom Daigle
3 Simon Slater	6·1·07 1630	3 GEI Lab	4 GEI LAB / Ray Sexton	6/4/07 1500	4
5	6/4/07 16:20	5	Custody Seal #		

SM013-01 (10/4/06)

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

Betty Baer

From: Reza Tand
Sent: Tuesday, June 19, 2007 1:11 PM
To: Betty Baer
Subject: FW: Cans On Hold

please relog.

From: Ray Siegener [mailto:RSiegener@geiconsultants.com]
Sent: Tuesday, June 19, 2007 1:10 PM
To: Frank D'Agostino; Philip Bassignani
Cc: Reza Tand
Subject: Cans On Hold

Hi Frank/Phil,
Please remove from hold status and analyze the following cans: M65248-2; M65401-1.

Please remove from hold but DO NOT analyze the following: M65403-3.

Thanks.

Regards,
Ray

Raymond Siegener, Ph.D.
Project Environmental Scientist
GEI Consultants, Inc.
400 Unicorn Park Drive
Woburn, MA 01801
Cell: 339-227-3342
Office: 781-721-4098
www.geiconsultants.com <http://www.geiconsultants.com/>

Summa Canister and Flow Controller Log

Job Number: M65248R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA
Received: 06/04/07

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
M124	6	29.4	05/21/07	PB	CP414	Q3531.D	M65248-2	06/21/07	DFT	4			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC082	05/24/07	PB	80	1	06/08/07	DFT	83.3
MC111	05/24/07	PB	80	1	06/21/07	DFT	82

Accutest Bottle Order(s):
PB/5-21-07/GEI/TUFTS ST.
PB/5-24-07/GEI/TUFTS ST.

Prep Date	Room Temp(F)	Bar Pres "Hg
05/21/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M65248R

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M65248-2R Collected: 01-JUN-07 15:05 By: SLS Received: 04-JUN-07 By: RS 045162-2 HAD-SS2						
M65248-2R	TO-15	21-JUN-07 18:20	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: M65248R
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
MSJ555-MB	J10718.D	1	06/21/07	DFT	n/a	n/a	MSJ555

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

M65248-2R

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	100%	57-139%

Method Blank Summary

Job Number: M65248R
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
MSQ187-MB	Q3427.D	1	05/17/07	PB	n/a	n/a	MSQ187

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

MSQ187-SCC

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	75%	57-139%

Blank Spike Summary

Job Number: M65248R
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
MSJ555-BS	J10716A.D	1	06/21/07	DFT	n/a	n/a	MSJ555

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

M65248-2R

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	10.3	103	70-130
56-23-5	Carbon tetrachloride	10	10.4	104	70-130
75-34-3	1,1-Dichloroethane	10	10.5	105	70-130
75-35-4	1,1-Dichloroethylene	10	9.6	96	70-130
107-06-2	1,2-Dichloroethane	10	11.1	111	70-130
156-60-5	trans-1,2-Dichloroethylene	10	9.9	99	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.3	103	70-130
71-55-6	1,1,1-Trichloroethane	10	10.6	106	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	9.5	95	70-130
79-00-5	1,1,2-Trichloroethane	10	9.9	99	70-130
127-18-4	Tetrachloroethylene	10	9.7	97	70-130
79-01-6	Trichloroethylene	10	10.3	103	70-130
75-01-4	Vinyl chloride	10	10.4	104	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	118%	57-139%

Blank Spike Summary

Job Number: M65248R
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
MSQ187-BS	Q3423A.D	1	05/17/07	PB	n/a	n/a	MSQ187

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

MSQ187-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	10.0	100	70-130
56-23-5	Carbon tetrachloride	10	10	100	70-130
75-34-3	1,1-Dichloroethane	10	12.8	128	70-130
75-35-4	1,1-Dichloroethylene	10	10.3	103	70-130
107-06-2	1,2-Dichloroethane	10	10.3	103	70-130
156-60-5	trans-1,2-Dichloroethylene	10	11.3	113	70-130
156-59-2	cis-1,2-Dichloroethylene	10	9.5	95	70-130
71-55-6	1,1,1-Trichloroethane	10	10.2	102	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	12.8	128	70-130
79-00-5	1,1,2-Trichloroethane	10	10.4	104	70-130
127-18-4	Tetrachloroethylene	10	11.2	112	70-130
79-01-6	Trichloroethylene	10	10.3	103	70-130
75-01-4	Vinyl chloride	10	9.5	95	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	104%	57-139%

Duplicate Summary

Job Number: M65248R
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
M65230-1RDUP	J10721.D	1	06/21/07	DFT	n/a	n/a	MSJ555
M65230-1R	J10719.D	1	06/21/07	DFT	n/a	n/a	MSJ555

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

M65248-2R

CAS No.	Compound	M65230-1R ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	0.13	J	0.12	J	8	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	0.10	J	0.095	J	5	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	1.5		1.0		40* [a]	25
79-01-6	Trichloroethylene	0.16	J	0.13	J	21	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M65230-1R	Limits
460-00-4	4-Bromofluorobenzene	98%	97%	57-139%

(a) High RPD due to possible matrix interference and/or sample non-homogeneity.

Summa Cleaning Certification

Job Number: M65248R
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
MSQ187-SCC	Q3446.D	1	05/18/07	PB	n/a	n/a	MSQ187

The QC reported here (Summa M124) applies to the following samples: **Method:** TO-15

Batch CP414 cleaned 05/14/07: M65248-2R(M124)

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	82%	57-139%

Instrument Performance Check (BFB)

Job Number: M65248R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ552-BFB
Lab File ID: J10644.D
Instrument ID: GCMSJ
Injection Date: 06/14/07
Injection Time: 12:15

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	27324	17.5		Pass
75	30.0 - 66.0% of mass 95	73264	46.8		Pass
95	Base peak, 100% relative abundance	156390	100.0		Pass
96	5.0 - 9.0% of mass 95	10795	6.9		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	167689	107.2		Pass
175	4.0 - 9.0% of mass 174	10736	6.9	(6.4) [a]	Pass
176	93.0 - 101.0% of mass 174	162433	103.9	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	10525	6.7	(6.5) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSJ552-IC552	J10644.D	06/14/07	12:15	00:00	Initial cal 0.5
MSJ552-IC552	J10645.D	06/14/07	13:04	00:49	Initial cal 0.2
MSJ552-IC552	J10646.D	06/14/07	14:11	01:56	Initial cal 2
MSJ552-IC552	J10647.D	06/14/07	14:58	02:43	Initial cal 5
MSJ552-ICC552	J10648.D	06/14/07	15:47	03:32	Initial cal 10
MSJ552-IC552	J10649.D	06/14/07	16:34	04:19	Initial cal 20
MSJ552-IC552	J10650.D	06/14/07	17:23	05:08	Initial cal 40
MSJ552-ICV552	J10653.D	06/15/07	10:26	22:11	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M65248R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSJ555-BFB
Lab File ID: J10716.D
Instrument ID: GCMSJ
Injection Date: 06/21/07
Injection Time: 12:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	35241	18.9		Pass
75	30.0 - 66.0% of mass 95	93497	50.2		Pass
95	Base peak, 100% relative abundance	186138	100.0		Pass
96	5.0 - 9.0% of mass 95	12824	6.9		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	190683	102.4		Pass
175	4.0 - 9.0% of mass 174	8148	4.4	(4.3) [a]	Pass
176	93.0 - 101.0% of mass 174	184206	99.0	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	12911	6.9	(7.0) [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
MSJ555-BS	J10716A.D	06/21/07	12:37	00:00	Blank Spike
MSJ555-CC552	J10716.D	06/21/07	12:37	00:00	Continuing cal 10
MSJ555-MB	J10718.D	06/21/07	14:16	01:39	Method Blank
M65230-1R	J10719.D	06/21/07	15:05	02:28	(used for QC only; not part of job M65248R)
ZZZZZZ	J10720.D	06/21/07	15:54	03:17	(unrelated sample)
M65230-1RDUP	J10721.D	06/21/07	17:33	04:56	Duplicate
M65248-2R	J10722.D	06/21/07	18:20	05:43	045162-2 HAD-SS2
ZZZZZZ	J10723.D	06/21/07	19:10	06:33	(unrelated sample)
ZZZZZZ	J10724.D	06/21/07	20:01	07:24	(unrelated sample)
ZZZZZZ	J10725.D	06/21/07	20:51	08:14	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: M65248R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ185-BFB
Lab File ID: Q3387.D
Instrument ID: GCMSQ
Injection Date: 05/15/07
Injection Time: 17:12

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	21000	31.1		Pass
75	30.0 - 66.0% of mass 95	35784	53.0		Pass
95	Base peak, 100% relative abundance	67472	100.0		Pass
96	5.0 - 9.0% of mass 95	4748	7.0		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	35648	52.8		Pass
175	4.0 - 9.0% of mass 174	2181	3.2	(6.1) [a]	Pass
176	93.0 - 101.0% of mass 174	35216	52.2	(98.8) [a]	Pass
177	5.0 - 9.0% of mass 176	2542	3.8	(7.2) [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
MSQ185-IC185	Q3387.D	05/15/07	17:12	00:00	Initial cal 2
MSQ185-IC185	Q3389.D	05/15/07	18:37	01:25	Initial cal .2
MSQ185-IC185	Q3390.D	05/15/07	19:16	02:04	Initial cal 40
MSQ185-IC185	Q3391.D	05/15/07	19:56	02:44	Initial cal 5
MSQ185-IC185	Q3392.D	05/16/07	08:18	15:06	Initial cal 20
MSQ185-ICC185	Q3393.D	05/16/07	09:18	16:06	Initial cal 10
MSQ185-IC185	Q3394.D	05/16/07	10:02	16:50	Initial cal .5
MSQ185-ICV185	Q3395.D	05/16/07	11:30	18:18	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M65248R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ187-BFB
Lab File ID: Q3423.D
Instrument ID: GCMSQ
Injection Date: 05/17/07
Injection Time: 13:49

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	35384	33.6		Pass
75	30.0 - 66.0% of mass 95	58568	55.6		Pass
95	Base peak, 100% relative abundance	105315	100.0		Pass
96	5.0 - 9.0% of mass 95	7500	7.1		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	52680	50.0		Pass
175	4.0 - 9.0% of mass 174	2611	2.5	(5.0) [a]	Pass
176	93.0 - 101.0% of mass 174	49976	47.5	(94.9) [a]	Pass
177	5.0 - 9.0% of mass 176	4287	4.1	(8.6) [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
MSQ187-CC185	Q3423.D	05/17/07	13:49	00:00	Continuing cal 10
MSQ187-BS	Q3423A.D	05/17/07	13:49	00:00	Blank Spike
MSQ187-MB	Q3427.D	05/17/07	16:51	03:02	Method Blank
MSQ187-SCC	Q3427A.D	05/17/07	16:51	03:02	Summa Cleaning Certification
M64828-1DUP	Q3429.D	05/17/07	18:17	04:28	Duplicate
M64828-1	Q3430.D	05/17/07	18:59	05:10	(used for QC only; not part of job M65248R)
ZZZZZZ	Q3431.D	05/17/07	19:41	05:52	(unrelated sample)
ZZZZZZ	Q3434.D	05/17/07	21:43	07:54	(unrelated sample)
ZZZZZZ	Q3435.D	05/17/07	22:23	08:34	(unrelated sample)
ZZZZZZ	Q3436.D	05/17/07	23:04	09:15	(unrelated sample)
ZZZZZZ	Q3438.D	05/18/07	00:24	10:35	(unrelated sample)
MSQ187-SCC	Q3442.D	05/18/07	03:06	13:17	Summa Cleaning Certification
MSQ187-SCC	Q3443.D	05/18/07	03:46	13:57	Summa Cleaning Certification
ZZZZZZ	Q3445.D	05/18/07	10:16	20:27	(unrelated sample)
MSQ187-SCC	Q3446.D	05/18/07	10:56	21:07	Summa Cleaning Certification
ZZZZZZ	Q3447.D	05/18/07	11:37	21:48	(unrelated sample)
ZZZZZZ	Q3448.D	05/18/07	12:38	22:49	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: M65248R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSJ555-CC552	**Injection Date:**	06/21/07
Lab File ID:	J10716.D	**Injection Time:**	12:37
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	310271	8.63	1254436	10.45	1130075	14.68
Upper Limit [a]	434379	8.96	1756210	10.78	1582105	15.01
Lower Limit [b]	186163	8.30	752662	10.12	678045	14.35

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ555-BS	310271	8.63	1254436	10.45	1130075	14.68
MSJ555-MB	348826	8.63	1504208	10.44	1321639	14.67
M65230-1R	283840	8.63	1115053	10.44	959566	14.68
ZZZZZZ	302313	8.63	1142786	10.44	1012074	14.67
M65230-1RDUP	333514	8.63	1373499	10.44	1204255	14.68
M65248-2R	274341	8.63	1082729	10.44	928386	14.67
ZZZZZZ	283485	8.63	1054024	10.44	858821	14.67
ZZZZZZ	329983	8.65	1172098	10.46	968231	14.67
ZZZZZZ	311522	8.63	1162595	10.44	951739	14.67

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.

Volatile Internal Standard Area Summary

Job Number: M65248R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSQ187-CC185	**Injection Date:**	05/17/07
Lab File ID:	Q3423.D	**Injection Time:**	13:49
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	84278	8.42	417107	10.34	350656	14.69
Upper Limit [a]	117989	8.75	583950	10.67	490918	15.02
Lower Limit [b]	50567	8.09	250264	10.01	210394	14.36

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ187-BS	84278	8.42	417107	10.34	350656	14.69
MSQ187-MB	79904	8.42	316945	10.34	269769	14.69
MSQ187-SCC	79904	8.42	316945	10.34	269769	14.69
M64828-1DUP	81385	8.43	338293	10.35	282977	14.70
M64828-1	94665	8.43	393292	10.34	345384	14.70
ZZZZZZ	92863	8.42	421215	10.34	381147	14.70
ZZZZZZ	101038	8.43	455401	10.35	398358	14.70
ZZZZZZ	103270	8.43	611985[c]	10.36	504862[c]	14.70
ZZZZZZ	106562	8.43	465779	10.34	415237	14.70
ZZZZZZ	183398[c]	8.44	794847[c]	10.36	424734	14.70
MSQ187-SCC	98447	8.42	431182	10.34	377970	14.69
MSQ187-SCC	96347	8.42	420349	10.35	370616	14.69
ZZZZZZ	110506	8.43	566074	10.35	560538[c]	14.70
MSQ187-SCC	105451	8.42	464494	10.34	408138	14.70
ZZZZZZ	101996	8.44	473016	10.35	421711	14.70
ZZZZZZ	90529	8.35	398864	10.34	363906	14.69

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: M65248R
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	
MSJ552-IC552	J10644.D	06/14/07 12:15	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ552-IC552	J10645.D	06/14/07 13:04	DFT	0.2	GCMSJ	TO-15	
MSJ552-IC552	J10646.D	06/14/07 14:11	DFT	2	GCMSJ	TO-15	
MSJ552-IC552	J10647.D	06/14/07 14:58	DFT	5	GCMSJ	TO-15	
MSJ552-ICC552	J10648.D	06/14/07 15:47	DFT	10	GCMSJ	TO-15	
MSJ552-IC552	J10649.D	06/14/07 16:34	DFT	20	GCMSJ	TO-15	
MSJ552-IC552	J10650.D	06/14/07 17:23	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.71	8.62	0.662	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.62	0.532	ok	0.532	0.472-0.592
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.08	10.44	1.061	ok	1.062	1.002-1.122
Bromoform	15.39	14.66	1.050	ok	1.050	0.990-1.110
Bromomethane	4.87	8.62	0.565	ok	0.564	0.504-0.624
Bromoethene	5.40	8.62	0.626	ok	0.625	0.565-0.685
Benzyl Chloride	17.88	14.66	1.220	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.62	0.796	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.66	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.24	8.62	0.492	ok	0.491	0.431-0.551
3-Chloropropene	6.67	8.62	0.774	ok	0.772	0.712-0.832
2-Chlorotoluene	16.97	14.66	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.25	8.62	1.189	ok	1.189	1.129-1.249
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.62	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.66	0.926	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.62	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.24	10.44	1.077	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.08	8.62	0.473	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.66	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.62	0.865	ok	0.865	0.805-0.925
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	1.143	1.083-1.203
m-Dichlorobenzene	17.90	14.66	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.66	1.253	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.66	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.44	1.192	ok	1.192	1.132-1.252
Ethanol	5.28	8.62	0.613	ok	0.607	0.547-0.667
Ethylbenzene	15.09	14.66	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.72	8.62	1.012	ok	1.009	0.949-1.069
4-Ethyltoluene	17.16	14.66	1.171	ok	1.170	1.110-1.230
Freon 113	6.80	8.62	0.789	ok	0.788	0.728-0.848
Freon 114	4.34	8.62	0.503	ok	0.502	0.442-0.562
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.66	1.416	ok	1.415	1.355-1.475
Hexane	8.64	8.62	1.002	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSJ552-IC552	J10644.D	06/14/07 12:15	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ552-IC552	J10645.D	06/14/07 13:04	DFT	0.2	GCMSJ	TO-15	
MSJ552-IC552	J10646.D	06/14/07 14:11	DFT	2	GCMSJ	TO-15	
MSJ552-IC552	J10647.D	06/14/07 14:58	DFT	5	GCMSJ	TO-15	
MSJ552-ICC552	J10648.D	06/14/07 15:47	DFT	10	GCMSJ	TO-15	
MSJ552-IC552	J10649.D	06/14/07 16:34	DFT	20	GCMSJ	TO-15	
MSJ552-IC552	J10650.D	06/14/07 17:23	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.20	14.66	0.900	ok	0.898	0.838-0.958
Isopropylbenzene	16.42	14.66	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	6.01	8.62	0.697	ok	0.693	0.633-0.753
Methylene chloride	6.56	8.62	0.761	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.12	8.62	0.942	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.02	10.44	1.151	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.78	8.62	0.903	ok	0.899	0.839-0.959
Nonane	15.97	14.66	1.089	ok	1.089	1.029-1.149
Pentane	6.15	8.62	0.713	ok	0.712	0.652-0.772
Propylene	4.01	8.62	0.465	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	9.68	8.62	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	10.44	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.66	1.383	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.71	14.66	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.24	14.66	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.62	8.62	0.768	ok	0.763	0.703-0.823
Tetrachloroethylene	14.01	14.66	0.956	ok	0.955	0.895-1.015
Tetrahydrofuran	9.24	8.62	1.072	ok	1.066	1.006-1.126
Toluene	12.89	10.44	1.235	ok	1.234	1.174-1.294
Trichloroethylene	11.12	10.44	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.62	0.673	ok	0.672	0.612-0.732
Vinyl chloride	4.46	8.62	0.517	ok	0.516	0.456-0.576
Vinyl Acetate	7.82	8.62	0.907	ok	0.905	0.845-0.965
m,p-Xylene	15.28	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	8.62	ok	8.63	8.30-8.96	328772	ok	293155	175893-410417
1,4-Difluorobenzene	10.44	ok	10.44	10.11-10.77	1299333	ok	1195297	717178-1673416
Chlorobenzene-D5	14.66	ok	14.67	14.34-15.00	1030498	ok	1020806	612484-1429128

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSJ552-IC552	J10644.D	06/14/07 12:15	DFT	0.5	GCMSJ	TO-15	
MSJ552-IC552	J10645.D	06/14/07 13:04	DFT	0.2	GCMSJ	TO-15	Reporting this level
MSJ552-IC552	J10646.D	06/14/07 14:11	DFT	2	GCMSJ	TO-15	
MSJ552-IC552	J10647.D	06/14/07 14:58	DFT	5	GCMSJ	TO-15	
MSJ552-ICC552	J10648.D	06/14/07 15:47	DFT	10	GCMSJ	TO-15	
MSJ552-IC552	J10649.D	06/14/07 16:34	DFT	20	GCMSJ	TO-15	
MSJ552-IC552	J10650.D	06/14/07 17:23	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
1,3-Butadiene	4.59	8.62	0.532	ok	0.532	0.472-0.592
Benzene	10.12	10.43	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.43	1.063	ok	1.062	1.002-1.122
Bromoform	15.39	14.66	1.050	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.564	0.504-0.624
Bromoethene	5.39	8.62	0.625	ok	0.625	0.565-0.685
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.66	1.003	ok	1.003	0.943-1.063
Chloroethane	5.04	8.62	0.585	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.24	8.62	0.492	ok	0.491	0.431-0.551
3-Chloropropene	6.65	8.62	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	16.97	14.66	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.25	8.62	1.189	ok	1.189	1.129-1.249
Cyclohexane	10.37	10.43	0.994	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.62	0.745	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	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.43	1.045	ok	1.044	0.984-1.104
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.66	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.45	8.62	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.143	1.083-1.203
trans-1,3-Dichloropropene	12.44	10.43	1.193	ok	1.192	1.132-1.252
Ethylbenzene	15.09	14.66	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.73	8.62	1.013	ok	1.009	0.949-1.069
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
Freon 114	4.33	8.62	0.502	ok	0.502	0.442-0.562
Heptane	11.36	10.43	1.089	ok	1.088	1.028-1.148
Hexane	8.64	8.62	1.002	ok	1.001	0.941-1.061
Isopropylbenzene	16.42	14.66	1.120	ok	1.120	1.060-1.180
Methylene chloride	6.55	8.62	0.760	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.14	8.62	0.944	ok	0.939	0.879-0.999
Methyl Tert Butyl Ether	7.79	8.62	0.904	ok	0.899	0.839-0.959
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
1,1,1-Trichloroethane	9.67	8.62	1.122	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	12.62	10.43	1.210	ok	1.209	1.149-1.269

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSJ552-IC552	J10644.D	06/14/07 12:15	DFT	0.5	GCMSJ	TO-15	
MSJ552-IC552	J10645.D	06/14/07 13:04	DFT	0.2	GCMSJ	TO-15	Reporting this level
MSJ552-IC552	J10646.D	06/14/07 14:11	DFT	2	GCMSJ	TO-15	
MSJ552-IC552	J10647.D	06/14/07 14:58	DFT	5	GCMSJ	TO-15	
MSJ552-ICC552	J10648.D	06/14/07 15:47	DFT	10	GCMSJ	TO-15	
MSJ552-IC552	J10649.D	06/14/07 16:34	DFT	20	GCMSJ	TO-15	
MSJ552-IC552	J10650.D	06/14/07 17:23	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.065	1.005-1.125
Tetrachloroethylene	14.01	14.66	0.956	ok	0.955	0.895-1.015
Toluene	12.89	10.43	1.236	ok	1.234	1.174-1.294
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
m,p-Xylene	15.26	14.66	1.041	ok	1.042	0.982-1.102

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.63	8.30-8.96	288795	ok	293155	175893-410417
1,4-Difluorobenzene	10.43	ok	10.44	10.11-10.77	1161747	ok	1195297	717178-1673416
Chlorobenzene-D5	14.66	ok	14.67	14.34-15.00	936380	ok	1020806	612484-1429128

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSJ552-IC552	J10644.D	06/14/07 12:15	DFT	0.5	GCMSJ	TO-15	
MSJ552-IC552	J10645.D	06/14/07 13:04	DFT	0.2	GCMSJ	TO-15	
MSJ552-IC552	J10646.D	06/14/07 14:11	DFT	2	GCMSJ	TO-15	Reporting this level
MSJ552-IC552	J10647.D	06/14/07 14:58	DFT	5	GCMSJ	TO-15	
MSJ552-ICC552	J10648.D	06/14/07 15:47	DFT	10	GCMSJ	TO-15	
MSJ552-IC552	J10649.D	06/14/07 16:34	DFT	20	GCMSJ	TO-15	
MSJ552-IC552	J10650.D	06/14/07 17:23	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.67	8.62	0.658	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.62	0.532	ok	0.532	0.472-0.592
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.050	0.990-1.110
Bromomethane	4.87	8.62	0.565	ok	0.564	0.504-0.624
Bromoethene	5.39	8.62	0.625	ok	0.625	0.565-0.685
Benzyl Chloride	17.88	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.62	0.795	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	0.583	0.523-0.643
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	6.66	8.62	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.25	8.62	1.189	ok	1.189	1.129-1.249
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.62	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.62	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	8.62	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.44	1.043	ok	1.044	0.984-1.104
1,4-Dioxane	11.20	10.44	1.073	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.62	0.865	ok	0.865	0.805-0.925
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	1.143	1.083-1.203
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
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	1.192	1.132-1.252
Ethanol	5.24	8.62	0.608	ok	0.607	0.547-0.667
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.62	1.009	ok	1.009	0.949-1.069
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.62	0.789	ok	0.788	0.728-0.848
Freon 114	4.33	8.62	0.502	ok	0.502	0.442-0.562
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSJ552-IC552	J10644.D	06/14/07 12:15	DFT	0.5	GCMSJ	TO-15	
MSJ552-IC552	J10645.D	06/14/07 13:04	DFT	0.2	GCMSJ	TO-15	
MSJ552-IC552	J10646.D	06/14/07 14:11	DFT	2	GCMSJ	TO-15	Reporting this level
MSJ552-IC552	J10647.D	06/14/07 14:58	DFT	5	GCMSJ	TO-15	
MSJ552-ICC552	J10648.D	06/14/07 15:47	DFT	10	GCMSJ	TO-15	
MSJ552-IC552	J10649.D	06/14/07 16:34	DFT	20	GCMSJ	TO-15	
MSJ552-IC552	J10650.D	06/14/07 17:23	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.18	14.67	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.95	8.62	0.690	ok	0.693	0.633-0.753
Methylene chloride	6.55	8.62	0.760	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.08	8.62	0.937	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.00	10.44	1.149	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.74	8.62	0.898	ok	0.899	0.839-0.959
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	4.00	8.62	0.464	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	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.78	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.44	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.56	8.62	0.761	ok	0.763	0.703-0.823
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.19	8.62	1.066	ok	1.066	1.006-1.126
Toluene	12.89	10.44	1.235	ok	1.234	1.174-1.294
Trichloroethylene	11.11	10.44	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.62	0.673	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
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	8.62	ok	8.63	8.30-8.96	285081	ok	293155	175893-410417
1,4-Difluorobenzene	10.44	ok	10.44	10.11-10.77	1131211	ok	1195297	717178-1673416
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	964799	ok	1020806	612484-1429128

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSJ552-IC552	J10644.D	06/14/07 12:15	DFT	0.5	GCMSJ	TO-15	
MSJ552-IC552	J10645.D	06/14/07 13:04	DFT	0.2	GCMSJ	TO-15	
MSJ552-IC552	J10646.D	06/14/07 14:11	DFT	2	GCMSJ	TO-15	
MSJ552-IC552	J10647.D	06/14/07 14:58	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ552-ICC552	J10648.D	06/14/07 15:47	DFT	10	GCMSJ	TO-15	
MSJ552-IC552	J10649.D	06/14/07 16:34	DFT	20	GCMSJ	TO-15	
MSJ552-IC552	J10650.D	06/14/07 17:23	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.67	8.62	0.658	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.62	0.532	ok	0.532	0.472-0.592
Benzene	10.12	10.44	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.564	0.504-0.624
Bromoethene	5.39	8.62	0.625	ok	0.625	0.565-0.685
Benzyl Chloride	17.88	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.04	8.62	0.585	ok	0.583	0.523-0.643
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	6.66	8.62	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.25	8.62	1.189	ok	1.189	1.129-1.249
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.62	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	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.18	10.44	1.071	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.62	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.36	14.67	1.252	ok	1.252	1.192-1.312
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	1.192	1.132-1.252
Ethanol	5.22	8.62	0.606	ok	0.607	0.547-0.667
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.62	1.008	ok	1.009	0.949-1.069
4-Ethyltoluene	17.16	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.788	0.728-0.848
Freon 114	4.33	8.62	0.502	ok	0.502	0.442-0.562
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSJ552-IC552	J10644.D	06/14/07 12:15	DFT	0.5	GCMSJ	TO-15	
MSJ552-IC552	J10645.D	06/14/07 13:04	DFT	0.2	GCMSJ	TO-15	
MSJ552-IC552	J10646.D	06/14/07 14:11	DFT	2	GCMSJ	TO-15	
MSJ552-IC552	J10647.D	06/14/07 14:58	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ552-ICC552	J10648.D	06/14/07 15:47	DFT	10	GCMSJ	TO-15	
MSJ552-IC552	J10649.D	06/14/07 16:34	DFT	20	GCMSJ	TO-15	
MSJ552-IC552	J10650.D	06/14/07 17:23	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.17	14.67	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.94	8.62	0.689	ok	0.693	0.633-0.753
Methylene chloride	6.55	8.62	0.760	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.08	8.62	0.937	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	11.99	10.44	1.148	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.74	8.62	0.898	ok	0.899	0.839-0.959
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.62	0.712	ok	0.712	0.652-0.772
Propylene	4.00	8.62	0.464	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	9.68	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	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.382	1.322-1.442
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	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.55	8.62	0.760	ok	0.763	0.703-0.823
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.19	8.62	1.066	ok	1.066	1.006-1.126
Toluene	12.89	10.44	1.235	ok	1.234	1.174-1.294
Trichloroethylene	11.11	10.44	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
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	8.62	ok	8.63	8.30-8.96	222530	ok	293155	175893-410417
1,4-Difluorobenzene	10.44	ok	10.44	10.11-10.77	907413	ok	1195297	717178-1673416
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	747153	ok	1020806	612484-1429128

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSJ552-IC552	J10644.D	06/14/07 12:15	DFT	0.5	GCMSJ	TO-15	
MSJ552-IC552	J10645.D	06/14/07 13:04	DFT	0.2	GCMSJ	TO-15	
MSJ552-IC552	J10646.D	06/14/07 14:11	DFT	2	GCMSJ	TO-15	
MSJ552-IC552	J10647.D	06/14/07 14:58	DFT	5	GCMSJ	TO-15	
MSJ552-ICC552	J10648.D	06/14/07 15:47	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ552-IC552	J10649.D	06/14/07 16:34	DFT	20	GCMSJ	TO-15	
MSJ552-IC552	J10650.D	06/14/07 17:23	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.67	8.63	0.657	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.63	0.532	ok	0.532	0.472-0.592
Benzene	10.13	10.44	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.40	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.87	8.63	0.564	ok	0.564	0.504-0.624
Bromoethene	5.39	8.63	0.625	ok	0.625	0.565-0.685
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.63	0.583	ok	0.583	0.523-0.643
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.24	8.63	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.63	1.189	ok	1.189	1.129-1.249
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.58	14.67	0.926	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	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.18	10.44	1.071	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.08	8.63	0.473	ok	0.472	0.412-0.532
Dibromochloromethane	13.33	14.67	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.91	14.67	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
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	1.192	1.132-1.252
Ethanol	5.23	8.63	0.606	ok	0.607	0.547-0.667
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.63	1.007	ok	1.009	0.949-1.069
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.33	8.63	0.502	ok	0.502	0.442-0.562
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.64	8.63	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSJ552-IC552	J10644.D	06/14/07 12:15	DFT	0.5	GCMSJ	TO-15	
MSJ552-IC552	J10645.D	06/14/07 13:04	DFT	0.2	GCMSJ	TO-15	
MSJ552-IC552	J10646.D	06/14/07 14:11	DFT	2	GCMSJ	TO-15	
MSJ552-IC552	J10647.D	06/14/07 14:58	DFT	5	GCMSJ	TO-15	
MSJ552-ICC552	J10648.D	06/14/07 15:47	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ552-IC552	J10649.D	06/14/07 16:34	DFT	20	GCMSJ	TO-15	
MSJ552-IC552	J10650.D	06/14/07 17:23	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.17	14.67	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	16.43	14.67	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.96	8.63	0.691	ok	0.693	0.633-0.753
Methylene chloride	6.55	8.63	0.759	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.08	8.63	0.936	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.00	10.44	1.149	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.74	8.63	0.897	ok	0.899	0.839-0.959
Nonane	15.97	14.67	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	4.00	8.63	0.463	ok	0.464	0.404-0.524
Styrene	15.68	14.67	1.069	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	14.67	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.63	10.44	1.210	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.382	1.322-1.442
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	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.56	8.63	0.760	ok	0.763	0.703-0.823
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.63	1.064	ok	1.066	1.006-1.126
Toluene	12.89	10.44	1.235	ok	1.234	1.174-1.294
Trichloroethylene	11.12	10.44	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.63	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.46	8.63	0.517	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.63	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.29	14.67	1.042	ok	1.042	0.982-1.102
o-Xylene	15.79	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	8.63	ok	8.63	8.30-8.96	296067	ok	293155	175893-410417
1,4-Difluorobenzene	10.44	ok	10.44	10.11-10.77	1252480	ok	1195297	717178-1673416
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1093045	ok	1020806	612484-1429128

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSJ552-IC552	J10644.D	06/14/07 12:15	DFT	0.5	GCMSJ	TO-15	
MSJ552-IC552	J10645.D	06/14/07 13:04	DFT	0.2	GCMSJ	TO-15	
MSJ552-IC552	J10646.D	06/14/07 14:11	DFT	2	GCMSJ	TO-15	
MSJ552-IC552	J10647.D	06/14/07 14:58	DFT	5	GCMSJ	TO-15	
MSJ552-ICC552	J10648.D	06/14/07 15:47	DFT	10	GCMSJ	TO-15	
MSJ552-IC552	J10649.D	06/14/07 16:34	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ552-IC552	J10650.D	06/14/07 17:23	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.65	8.63	0.655	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.63	0.532	ok	0.532	0.472-0.592
Benzene	10.13	10.45	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.10	10.45	1.062	ok	1.062	1.002-1.122
Bromoform	15.41	14.68	1.050	ok	1.050	0.990-1.110
Bromomethane	4.86	8.63	0.563	ok	0.564	0.504-0.624
Bromoethene	5.39	8.63	0.625	ok	0.625	0.565-0.685
Benzyl Chloride	17.89	14.68	1.219	ok	1.219	1.159-1.279
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	5.03	8.63	0.583	ok	0.583	0.523-0.643
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.63	0.490	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	16.99	14.68	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.26	8.63	1.189	ok	1.189	1.129-1.249
Cyclohexane	10.37	10.45	0.992	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.59	14.68	0.926	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	11.18	10.45	1.070	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.07	8.63	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.34	14.68	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.45	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.91	14.68	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.38	14.68	1.252	ok	1.252	1.192-1.312
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	1.192	1.132-1.252
Ethanol	5.21	8.63	0.604	ok	0.607	0.547-0.667
Ethylbenzene	15.10	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.63	1.008	ok	1.009	0.949-1.069
4-Ethyltoluene	17.18	14.68	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.788	0.728-0.848
Freon 114	4.33	8.63	0.502	ok	0.502	0.442-0.562
Heptane	11.36	10.45	1.087	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.68	1.414	ok	1.415	1.355-1.475
Hexane	8.63	8.63	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSJ552-IC552	J10644.D	06/14/07 12:15	DFT	0.5	GCMSJ	TO-15	
MSJ552-IC552	J10645.D	06/14/07 13:04	DFT	0.2	GCMSJ	TO-15	
MSJ552-IC552	J10646.D	06/14/07 14:11	DFT	2	GCMSJ	TO-15	
MSJ552-IC552	J10647.D	06/14/07 14:58	DFT	5	GCMSJ	TO-15	
MSJ552-ICC552	J10648.D	06/14/07 15:47	DFT	10	GCMSJ	TO-15	
MSJ552-IC552	J10649.D	06/14/07 16:34	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ552-IC552	J10650.D	06/14/07 17:23	DFT	40	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.18	14.68	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	16.44	14.68	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.97	8.63	0.692	ok	0.693	0.633-0.753
Methylene chloride	6.55	8.63	0.759	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.08	8.63	0.936	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.01	10.45	1.149	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.73	8.63	0.896	ok	0.899	0.839-0.959
Nonane	15.98	14.68	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	4.00	8.63	0.463	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	9.69	8.63	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.81	14.68	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.64	10.45	1.210	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.27	14.68	1.381	ok	1.382	1.322-1.442
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	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.13	10.45	1.065	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.57	8.63	0.761	ok	0.763	0.703-0.823
Tetrachloroethylene	14.02	14.68	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.63	1.064	ok	1.066	1.006-1.126
Toluene	12.89	10.45	1.233	ok	1.234	1.174-1.294
Trichloroethylene	11.12	10.45	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.63	0.672	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.63	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.63	0.905	ok	0.905	0.845-0.965
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	8.63	8.30-8.96	322389	ok	293155	175893-410417
1,4-Difluorobenzene	10.45	ok	10.44	10.11-10.77	1363691	ok	1195297	717178-1673416
Chlorobenzene-D5	14.68	ok	14.67	14.34-15.00	1232423	ok	1020806	612484-1429128

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSJ552-IC552	J10644.D	06/14/07 12:15	DFT	0.5	GCMSJ	TO-15	
MSJ552-IC552	J10645.D	06/14/07 13:04	DFT	0.2	GCMSJ	TO-15	
MSJ552-IC552	J10646.D	06/14/07 14:11	DFT	2	GCMSJ	TO-15	
MSJ552-IC552	J10647.D	06/14/07 14:58	DFT	5	GCMSJ	TO-15	
MSJ552-ICC552	J10648.D	06/14/07 15:47	DFT	10	GCMSJ	TO-15	
MSJ552-IC552	J10649.D	06/14/07 16:34	DFT	20	GCMSJ	TO-15	
MSJ552-IC552	J10650.D	06/14/07 17:23	DFT	40	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.66	8.64	0.655	ok	0.657	0.597-0.717
1,3-Butadiene	4.59	8.64	0.531	ok	0.532	0.472-0.592
Benzene	10.14	10.47	0.968	ok	0.969	0.909-1.029
Bromodichloromethane	11.12	10.47	1.062	ok	1.062	1.002-1.122
Bromoform	15.44	14.69	1.051	ok	1.050	0.990-1.110
Bromomethane	4.86	8.64	0.562	ok	0.564	0.504-0.624
Bromoethene	5.39	8.64	0.624	ok	0.625	0.565-0.685
Benzyl Chloride	17.91	14.69	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.64	0.793	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.64	0.582	ok	0.583	0.523-0.643
Chloroform	8.77	8.64	1.015	ok	1.014	0.954-1.074
Chloromethane	4.23	8.64	0.490	ok	0.491	0.431-0.551
3-Chloropropene	6.67	8.64	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.00	14.69	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.27	8.64	1.189	ok	1.189	1.129-1.249
Cyclohexane	10.38	10.47	0.991	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.64	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.60	14.69	0.926	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.48	8.64	1.097	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.47	1.043	ok	1.044	0.984-1.104
1,4-Dioxane	11.19	10.47	1.069	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.07	8.64	0.471	ok	0.472	0.412-0.532
Dibromochloromethane	13.36	14.69	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	7.47	8.64	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.64	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.47	1.142	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.92	14.69	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.38	14.69	1.251	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.00	14.69	1.225	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.47	10.47	1.191	ok	1.192	1.132-1.252
Ethanol	5.22	8.64	0.604	ok	0.607	0.547-0.667
Ethylbenzene	15.12	14.69	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.72	8.64	1.009	ok	1.009	0.949-1.069
4-Ethyltoluene	17.19	14.69	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.64	0.787	ok	0.788	0.728-0.848
Freon 114	4.33	8.64	0.501	ok	0.502	0.442-0.562
Heptane	11.38	10.47	1.087	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.69	1.413	ok	1.415	1.355-1.475
Hexane	8.64	8.64	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSJ552-IC552	J10644.D	06/14/07 12:15	DFT	0.5	GCMSJ	TO-15	
MSJ552-IC552	J10645.D	06/14/07 13:04	DFT	0.2	GCMSJ	TO-15	
MSJ552-IC552	J10646.D	06/14/07 14:11	DFT	2	GCMSJ	TO-15	
MSJ552-IC552	J10647.D	06/14/07 14:58	DFT	5	GCMSJ	TO-15	
MSJ552-ICC552	J10648.D	06/14/07 15:47	DFT	10	GCMSJ	TO-15	
MSJ552-IC552	J10649.D	06/14/07 16:34	DFT	20	GCMSJ	TO-15	
MSJ552-IC552	J10650.D	06/14/07 17:23	DFT	40	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.19	14.69	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	16.45	14.69	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	6.03	8.64	0.698	ok	0.693	0.633-0.753
Methylene chloride	6.56	8.64	0.759	ok	0.760	0.700-0.820
Methyl ethyl ketone	8.10	8.64	0.938	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.03	10.47	1.149	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	7.74	8.64	0.896	ok	0.899	0.839-0.959
Nonane	15.99	14.69	1.088	ok	1.089	1.029-1.149
Pentane	6.14	8.64	0.711	ok	0.712	0.652-0.772
Propylene	4.00	8.64	0.463	ok	0.464	0.404-0.524
Styrene	15.70	14.69	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.64	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.83	14.69	1.078	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.66	10.47	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.28	14.69	1.381	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.74	14.69	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.27	14.69	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.14	10.47	1.064	ok	1.065	1.005-1.125
Tertiary Butyl Alcohol	6.63	8.64	0.767	ok	0.763	0.703-0.823
Tetrachloroethylene	14.03	14.69	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.19	8.64	1.064	ok	1.066	1.006-1.126
Toluene	12.91	10.47	1.233	ok	1.234	1.174-1.294
Trichloroethylene	11.14	10.47	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.80	8.64	0.671	ok	0.672	0.612-0.732
Vinyl chloride	4.45	8.64	0.515	ok	0.516	0.456-0.576
Vinyl Acetate	7.82	8.64	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.31	14.69	1.042	ok	1.042	0.982-1.102
o-Xylene	15.81	14.69	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.63	8.30-8.96	308454	ok	293155	175893-410417
1,4-Difluorobenzene	10.47	ok	10.44	10.11-10.77	1251204	ok	1195297	717178-1673416
Chlorobenzene-D5	14.69	ok	14.67	14.34-15.00	1141346	ok	1020806	612484-1429128

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.19	8.42	0.616	ok	0.616	0.556-0.676
1,3-Butadiene	4.12	8.42	0.489	ok	0.489	0.429-0.549
Benzene	10.01	10.34	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.34	1.065	ok	1.065	1.005-1.125
Bromoform	15.42	14.69	1.050	ok	1.049	0.989-1.109
Bromomethane	4.40	8.42	0.523	ok	0.522	0.462-0.582
Bromoethene	4.94	8.42	0.587	ok	0.586	0.526-0.646
Benzyl Chloride	17.93	14.69	1.221	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.42	0.776	ok	0.774	0.714-0.834
Chlorobenzene	14.74	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	4.57	8.42	0.543	ok	0.542	0.482-0.602
Chloroform	8.55	8.42	1.015	ok	1.015	0.955-1.075
Chloromethane	3.76	8.42	0.447	ok	0.446	0.386-0.506
3-Chloropropene	6.32	8.42	0.751	ok	0.750	0.690-0.810
2-Chlorotoluene	17.03	14.69	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.42	1.207	ok	1.206	1.146-1.266
Cyclohexane	10.28	10.34	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.39	8.42	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.07	8.42	0.721	ok	0.720	0.660-0.780
1,2-Dibromoethane	13.57	14.69	0.924	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.42	1.105	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.82	10.34	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.34	1.068	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.59	8.42	0.426	ok	0.426	0.366-0.486
Dibromochloromethane	13.31	14.69	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.18	8.42	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.25	8.42	0.980	ok	0.979	0.919-1.039
cis-1,3-Dichloropropene	11.90	10.34	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.95	14.69	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.69	1.254	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.69	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.34	1.200	ok	1.200	1.140-1.260
Ethanol	4.67	8.42	0.555	ok	0.555	0.495-0.615
Ethylbenzene	15.13	14.69	1.030	ok	1.029	0.969-1.089
Ethyl Acetate	8.46	8.42	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.69	1.172	ok	1.172	1.112-1.232
Freon 113	6.47	8.42	0.768	ok	0.768	0.708-0.828
Freon 114	3.86	8.42	0.458	ok	0.458	0.398-0.518
Heptane	11.32	10.34	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.69	1.417	ok	1.416	1.356-1.476
Hexane	8.46	8.42	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.69	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.69	1.122	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.44	8.42	0.646	ok	0.646	0.586-0.706
Methylene chloride	6.19	8.42	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.79	8.42	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.91	10.34	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.44	8.42	0.884	ok	0.884	0.824-0.944
Nonane	16.03	14.69	1.091	ok	1.091	1.031-1.151
Pentane	5.77	8.42	0.685	ok	0.685	0.625-0.745
Propylene	3.52	8.42	0.418	ok	0.418	0.358-0.478
Styrene	15.71	14.69	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.42	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.69	1.077	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.34	1.219	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.32	14.69	1.383	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.69	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.30	14.69	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.07	10.34	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.09	8.42	0.723	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.69	0.956	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.42	1.064	ok	1.064	1.004-1.124
Toluene	12.88	10.34	1.246	ok	1.246	1.186-1.306
Trichloroethylene	11.05	10.34	1.069	ok	1.069	1.009-1.129
Trichlorofluoromethane	5.39	8.42	0.640	ok	0.640	0.580-0.700
Vinyl chloride	3.98	8.42	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.53	8.42	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.32	14.69	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.69	1.078	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.42	ok	8.42	8.09-8.75	122843	ok	105507	63304-147710
1,4-Difluorobenzene	10.34	ok	10.34	10.01-10.67	613891	ok	486071	291643-680499
Chlorobenzene-D5	14.69	ok	14.70	14.37-15.03	545288	ok	429291	257575-601007

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.19	8.42	0.616	ok	0.616	0.556-0.676
1,3-Butadiene	4.12	8.42	0.489	ok	0.489	0.429-0.549
Benzene	10.01	10.34	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.34	1.065	ok	1.065	1.005-1.125
Bromoform	15.43	14.69	1.050	ok	1.049	0.989-1.109
Bromomethane	4.40	8.42	0.523	ok	0.522	0.462-0.582
Bromoethene	4.93	8.42	0.586	ok	0.586	0.526-0.646
Benzyl Chloride	17.93	14.69	1.221	ok	1.220	1.160-1.280
Carbon disulfide	6.52	8.42	0.774	ok	0.774	0.714-0.834
Chlorobenzene	14.74	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	4.57	8.42	0.543	ok	0.542	0.482-0.602
Chloroform	8.54	8.42	1.014	ok	1.015	0.955-1.075
Chloromethane	3.76	8.42	0.447	ok	0.446	0.386-0.506
3-Chloropropene	6.31	8.42	0.749	ok	0.750	0.690-0.810
2-Chlorotoluene	17.03	14.69	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.15	8.42	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.27	10.34	0.993	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.42	0.879	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.07	8.42	0.721	ok	0.720	0.660-0.780
1,2-Dibromoethane	13.57	14.69	0.924	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.42	1.105	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.81	10.34	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.06	10.34	1.070	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.59	8.42	0.426	ok	0.426	0.366-0.486
Dibromochloromethane	13.32	14.69	0.907	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.18	8.42	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.24	8.42	0.979	ok	0.979	0.919-1.039
cis-1,3-Dichloropropene	11.90	10.34	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.96	14.69	1.223	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.41	14.69	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.69	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.34	1.200	ok	1.200	1.140-1.260
Ethanol	4.68	8.42	0.556	ok	0.555	0.495-0.615
Ethylbenzene	15.13	14.69	1.030	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.42	1.006	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.69	1.172	ok	1.172	1.112-1.232
Freon 113	6.46	8.42	0.767	ok	0.768	0.708-0.828
Freon 114	3.86	8.42	0.458	ok	0.458	0.398-0.518
Heptane	11.32	10.34	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.69	1.417	ok	1.416	1.356-1.476
Hexane	8.46	8.42	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.69	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.69	1.122	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.42	0.647	ok	0.646	0.586-0.706
Methylene chloride	6.19	8.42	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.42	0.926	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.34	1.153	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.42	0.885	ok	0.884	0.824-0.944
Nonane	16.03	14.69	1.091	ok	1.091	1.031-1.151
Pentane	5.77	8.42	0.685	ok	0.685	0.625-0.745
Propylene	3.52	8.42	0.418	ok	0.418	0.358-0.478
Styrene	15.71	14.69	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.42	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.69	1.077	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.59	10.34	1.218	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.32	14.69	1.383	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.69	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.69	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.07	10.34	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.42	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.03	14.69	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.98	8.42	1.067	ok	1.064	1.004-1.124
Toluene	12.88	10.34	1.246	ok	1.246	1.186-1.306
Trichloroethylene	11.05	10.34	1.069	ok	1.069	1.009-1.129
Trichlorofluoromethane	5.39	8.42	0.640	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.42	0.474	ok	0.473	0.413-0.533
Vinyl Acetate	7.53	8.42	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.32	14.69	1.043	ok	1.043	0.983-1.103
o-Xylene	15.82	14.69	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.42	ok	8.42	8.09-8.75	89822	ok	105507	63304-147710
1,4-Difluorobenzene	10.34	ok	10.34	10.01-10.67	448955	ok	486071	291643-680499
Chlorobenzene-D5	14.69	ok	14.70	14.37-15.03	361598	ok	429291	257575-601007

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.19	8.43	0.616	ok	0.616	0.556-0.676
1,3-Butadiene	4.12	8.43	0.489	ok	0.489	0.429-0.549
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.065	1.005-1.125
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.40	8.43	0.522	ok	0.522	0.462-0.582
Bromoethene	4.95	8.43	0.587	ok	0.586	0.526-0.646
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.774	0.714-0.834
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.57	8.43	0.542	ok	0.542	0.482-0.602
Chloroform	8.56	8.43	1.015	ok	1.015	0.955-1.075
Chloromethane	3.76	8.43	0.446	ok	0.446	0.386-0.506
3-Chloropropene	6.33	8.43	0.751	ok	0.750	0.690-0.810
2-Chlorotoluene	17.04	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.07	8.43	0.720	ok	0.720	0.660-0.780
1,2-Dibromoethane	13.58	14.70	0.924	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.83	10.35	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.35	1.068	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.59	8.43	0.426	ok	0.426	0.366-0.486
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.979	0.919-1.039
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.04	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.68	8.43	0.555	ok	0.555	0.495-0.615
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.23	14.70	1.172	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.768	0.708-0.828
Freon 114	3.86	8.43	0.458	ok	0.458	0.398-0.518
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.70	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.49	14.70	1.122	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.43	0.647	ok	0.646	0.586-0.706
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Nonane	16.04	14.70	1.091	ok	1.091	1.031-1.151
Pentane	5.77	8.43	0.684	ok	0.685	0.625-0.745
Propylene	3.52	8.43	0.418	ok	0.418	0.358-0.478
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.83	14.70	1.077	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.61	10.35	1.218	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.43	1.063	ok	1.064	1.004-1.124
Toluene	12.89	10.35	1.245	ok	1.246	1.186-1.306
Trichloroethylene	11.06	10.35	1.069	ok	1.069	1.009-1.129
Trichlorofluoromethane	5.39	8.43	0.639	ok	0.640	0.580-0.700
Vinyl chloride	3.98	8.43	0.472	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.42	8.09-8.75	94425	ok	105507	63304-147710
1,4-Difluorobenzene	10.35	ok	10.34	10.01-10.67	443847	ok	486071	291643-680499
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	420269	ok	429291	257575-601007

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.19	8.42	0.616	ok	0.616	0.556-0.676
1,3-Butadiene	4.12	8.42	0.489	ok	0.489	0.429-0.549
Benzene	10.01	10.34	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.34	1.065	ok	1.065	1.005-1.125
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.40	8.42	0.523	ok	0.522	0.462-0.582
Bromoethene	4.94	8.42	0.587	ok	0.586	0.526-0.646
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.52	8.42	0.774	ok	0.774	0.714-0.834
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.57	8.42	0.543	ok	0.542	0.482-0.602
Chloroform	8.55	8.42	1.015	ok	1.015	0.955-1.075
Chloromethane	3.76	8.42	0.447	ok	0.446	0.386-0.506
3-Chloropropene	6.32	8.42	0.751	ok	0.750	0.690-0.810
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.42	1.207	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.34	0.995	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.39	8.42	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.07	8.42	0.721	ok	0.720	0.660-0.780
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.42	1.105	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.82	10.34	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.34	1.068	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.59	8.42	0.426	ok	0.426	0.366-0.486
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.18	8.42	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.25	8.42	0.980	ok	0.979	0.919-1.039
cis-1,3-Dichloropropene	11.89	10.34	1.150	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.95	14.70	1.221	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.34	1.200	ok	1.200	1.140-1.260
Ethanol	4.67	8.42	0.555	ok	0.555	0.495-0.615
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.46	8.42	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.47	8.42	0.768	ok	0.768	0.708-0.828
Freon 114	3.86	8.42	0.458	ok	0.458	0.398-0.518
Heptane	11.33	10.34	1.096	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.42	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.70	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.44	8.42	0.646	ok	0.646	0.586-0.706
Methylene chloride	6.19	8.42	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.79	8.42	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.34	1.153	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.44	8.42	0.884	ok	0.884	0.824-0.944
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.76	8.42	0.684	ok	0.685	0.625-0.745
Propylene	3.52	8.42	0.418	ok	0.418	0.358-0.478
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.42	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.34	1.219	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.70	1.209	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.07	10.34	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.09	8.42	0.723	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.42	1.064	ok	1.064	1.004-1.124
Toluene	12.88	10.34	1.246	ok	1.246	1.186-1.306
Trichloroethylene	11.05	10.34	1.069	ok	1.069	1.009-1.129
Trichlorofluoromethane	5.39	8.42	0.640	ok	0.640	0.580-0.700
Vinyl chloride	3.98	8.42	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.53	8.42	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.32	14.70	1.042	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.42	ok	8.42	8.09-8.75	105565	ok	105507	63304-147710
1,4-Difluorobenzene	10.34	ok	10.34	10.01-10.67	443500	ok	486071	291643-680499
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	403673	ok	429291	257575-601007

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	Reporting this level
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.17	8.42	0.614	ok	0.616	0.556-0.676
1,3-Butadiene	4.10	8.42	0.487	ok	0.489	0.429-0.549
Benzene	10.01	10.34	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.34	1.065	ok	1.065	1.005-1.125
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.38	8.42	0.520	ok	0.522	0.462-0.582
Bromoethene	4.93	8.42	0.586	ok	0.586	0.526-0.646
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.51	8.42	0.773	ok	0.774	0.714-0.834
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.56	8.42	0.542	ok	0.542	0.482-0.602
Chloroform	8.55	8.42	1.015	ok	1.015	0.955-1.075
Chloromethane	3.74	8.42	0.444	ok	0.446	0.386-0.506
3-Chloropropene	6.31	8.42	0.749	ok	0.750	0.690-0.810
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.15	8.42	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.28	10.34	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.38	8.42	0.876	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.06	8.42	0.720	ok	0.720	0.660-0.780
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.29	8.42	1.103	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.82	10.34	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.34	1.068	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.58	8.42	0.425	ok	0.426	0.366-0.486
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.17	8.42	0.852	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.24	8.42	0.979	ok	0.979	0.919-1.039
cis-1,3-Dichloropropene	11.90	10.34	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.34	1.200	ok	1.200	1.140-1.260
Ethanol	4.66	8.42	0.553	ok	0.555	0.495-0.615
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.46	8.42	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.45	8.42	0.766	ok	0.768	0.708-0.828
Freon 114	3.84	8.42	0.456	ok	0.458	0.398-0.518
Heptane	11.32	10.34	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.45	8.42	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	Reporting this level
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.70	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.43	8.42	0.645	ok	0.646	0.586-0.706
Methylene chloride	6.18	8.42	0.734	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.78	8.42	0.924	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.91	10.34	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.43	8.42	0.882	ok	0.884	0.824-0.944
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.75	8.42	0.683	ok	0.685	0.625-0.745
Propylene	3.51	8.42	0.417	ok	0.418	0.358-0.478
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.42	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.34	1.219	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.70	1.209	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.07	10.34	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.08	8.42	0.722	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.95	8.42	1.063	ok	1.064	1.004-1.124
Toluene	12.88	10.34	1.246	ok	1.246	1.186-1.306
Trichloroethylene	11.05	10.34	1.069	ok	1.069	1.009-1.129
Trichlorofluoromethane	5.37	8.42	0.638	ok	0.640	0.580-0.700
Vinyl chloride	3.97	8.42	0.471	ok	0.473	0.413-0.533
Vinyl Acetate	7.53	8.42	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.42	ok	8.42	8.09-8.75	107237	ok	105507	63304-147710
1,4-Difluorobenzene	10.34	ok	10.34	10.01-10.67	441646	ok	486071	291643-680499
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	414256	ok	429291	257575-601007

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.18	8.42	0.615	ok	0.616	0.556-0.676
1,3-Butadiene	4.12	8.42	0.489	ok	0.489	0.429-0.549
Benzene	10.01	10.34	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.34	1.065	ok	1.065	1.005-1.125
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.40	8.42	0.523	ok	0.522	0.462-0.582
Bromoethene	4.94	8.42	0.587	ok	0.586	0.526-0.646
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.52	8.42	0.774	ok	0.774	0.714-0.834
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.57	8.42	0.543	ok	0.542	0.482-0.602
Chloroform	8.55	8.42	1.015	ok	1.015	0.955-1.075
Chloromethane	3.75	8.42	0.445	ok	0.446	0.386-0.506
3-Chloropropene	6.32	8.42	0.751	ok	0.750	0.690-0.810
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.42	1.207	ok	1.206	1.146-1.266
Cyclohexane	10.28	10.34	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.39	8.42	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.06	8.42	0.720	ok	0.720	0.660-0.780
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.42	1.105	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.82	10.34	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.34	1.068	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.59	8.42	0.426	ok	0.426	0.366-0.486
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.18	8.42	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.25	8.42	0.980	ok	0.979	0.919-1.039
cis-1,3-Dichloropropene	11.90	10.34	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.34	1.200	ok	1.200	1.140-1.260
Ethanol	4.67	8.42	0.555	ok	0.555	0.495-0.615
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.46	8.42	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.47	8.42	0.768	ok	0.768	0.708-0.828
Freon 114	3.85	8.42	0.457	ok	0.458	0.398-0.518
Heptane	11.32	10.34	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.42	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	Reporting this level
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.70	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.44	8.42	0.646	ok	0.646	0.586-0.706
Methylene chloride	6.19	8.42	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.79	8.42	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.91	10.34	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.44	8.42	0.884	ok	0.884	0.824-0.944
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.77	8.42	0.685	ok	0.685	0.625-0.745
Propylene	3.52	8.42	0.418	ok	0.418	0.358-0.478
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.42	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.34	1.219	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.70	1.209	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.07	10.34	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.08	8.42	0.722	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.42	1.064	ok	1.064	1.004-1.124
Toluene	12.88	10.34	1.246	ok	1.246	1.186-1.306
Trichloroethylene	11.05	10.34	1.069	ok	1.069	1.009-1.129
Trichlorofluoromethane	5.39	8.42	0.640	ok	0.640	0.580-0.700
Vinyl chloride	3.98	8.42	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.53	8.42	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.42	ok	8.42	8.09-8.75	94874	ok	105507	63304-147710
1,4-Difluorobenzene	10.34	ok	10.34	10.01-10.67	466297	ok	486071	291643-680499
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	426455	ok	429291	257575-601007

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.19	8.42	0.616	ok	0.616	0.556-0.676
1,3-Butadiene	4.12	8.42	0.489	ok	0.489	0.429-0.549
Benzene	10.01	10.34	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.34	1.065	ok	1.065	1.005-1.125
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.40	8.42	0.523	ok	0.522	0.462-0.582
Bromoethene	4.94	8.42	0.587	ok	0.586	0.526-0.646
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.52	8.42	0.774	ok	0.774	0.714-0.834
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.57	8.42	0.543	ok	0.542	0.482-0.602
Chloroform	8.54	8.42	1.014	ok	1.015	0.955-1.075
Chloromethane	3.75	8.42	0.445	ok	0.446	0.386-0.506
3-Chloropropene	6.32	8.42	0.751	ok	0.750	0.690-0.810
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.42	1.207	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.34	0.995	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.39	8.42	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.06	8.42	0.720	ok	0.720	0.660-0.780
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.29	8.42	1.103	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.82	10.34	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.34	1.068	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.59	8.42	0.426	ok	0.426	0.366-0.486
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.18	8.42	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.25	8.42	0.980	ok	0.979	0.919-1.039
cis-1,3-Dichloropropene	11.90	10.34	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.34	1.200	ok	1.200	1.140-1.260
Ethanol	4.67	8.42	0.555	ok	0.555	0.495-0.615
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.46	8.42	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.47	8.42	0.768	ok	0.768	0.708-0.828
Freon 114	3.85	8.42	0.457	ok	0.458	0.398-0.518
Heptane	11.32	10.34	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.42	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65248R
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	
MSQ185-IC185	Q3387.D	05/15/07 17:12	PB	2	GCMSQ	TO-15	
MSQ185-IC185	Q3389.D	05/15/07 18:37	PB	.2	GCMSQ	TO-15	
MSQ185-IC185	Q3390.D	05/15/07 19:16	PB	40	GCMSQ	TO-15	
MSQ185-IC185	Q3391.D	05/15/07 19:56	PB	5	GCMSQ	TO-15	
MSQ185-IC185	Q3392.D	05/16/07 08:18	PB	20	GCMSQ	TO-15	
MSQ185-ICC185	Q3393.D	05/16/07 09:18	PB	10	GCMSQ	TO-15	
MSQ185-IC185	Q3394.D	05/16/07 10:02	PB	.5	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.70	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.42	0.647	ok	0.646	0.586-0.706
Methylene chloride	6.19	8.42	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.42	0.926	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.34	1.153	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.44	8.42	0.884	ok	0.884	0.824-0.944
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.77	8.42	0.685	ok	0.685	0.625-0.745
Propylene	3.52	8.42	0.418	ok	0.418	0.358-0.478
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.42	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.59	10.34	1.218	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.07	10.34	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.42	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.42	1.064	ok	1.064	1.004-1.124
Toluene	12.88	10.34	1.246	ok	1.246	1.186-1.306
Trichloroethylene	11.05	10.34	1.069	ok	1.069	1.009-1.129
Trichlorofluoromethane	5.39	8.42	0.640	ok	0.640	0.580-0.700
Vinyl chloride	3.98	8.42	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.53	8.42	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.32	14.70	1.042	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.42	ok	8.42	8.09-8.75	123785	ok	105507	63304-147710
1,4-Difluorobenzene	10.34	ok	10.34	10.01-10.67	544363	ok	486071	291643-680499
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	433498	ok	429291	257575-601007

Volatile Surrogate Recovery Summary

Job Number: M65248R
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
M65248-2R	J10722.D	97.0
M65230-1RDUP	J10721.D	98.0
MSJ555-BS	J10716A.D	118.0
MSJ555-MB	J10718.D	100.0
MSQ187-SCC	Q3446.D	82.0
MSQ187-BS	Q3423A.D	104.0
MSQ187-MB	Q3427.D	75.0

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

Initial Calibration Summary

Job Number: M65248R **Sample:** MSJ552-ICC552
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10648.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MSJ

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 15 09:22:40 2007
Response via : Initial Calibration

Calibration Files
40 =J10650.D 20 =J10649.D 10 =J10648.D 5 =J10647.D
2 =J10646.D .5 =J10644.D .2 =J10645.D 4 =J10094.D

Compound	40	20	10	5	2	.5	.2	4	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------									
2) DICHLORODIFL	3.832	3.747	3.973	5.496	4.267	3.843	4.310		4.210	14.44
3) PROPYLENE	0.645	0.618	0.635	0.819	0.593	0.548	0.541		0.628	14.79
4) FREON 114	3.504	3.281	3.609	4.632	4.014	3.720	3.817		3.797	11.47
5) CHLOROMETHAN	0.857	0.821	0.889	1.187	0.940	0.945	0.871		0.930	13.08
6) VINYL CHLORI	1.072	1.010	1.044	1.341	1.120	0.970	0.842		1.057	14.50
7) 1,3-BUTADIEN	0.754	0.695	0.741	0.902	0.711	0.590	0.485		0.697	18.86
8) BROMOMETHANE	1.258	1.168	1.250	1.600	1.338	1.276	1.186		1.297	11.21
9) CHLOROETHANE	0.518	0.477	0.502	0.627	0.545	0.519	0.365		0.508	15.53
10) TRICHLOROFLU	4.026	3.693	4.058	5.138	4.570	4.102	4.441		4.290	11.00
11) ISOPROPYL AL	1.331	1.059	1.028	1.133	1.261	1.805			1.270	22.61
12) ACETONE	1.276	1.112	1.068	1.310	1.547	1.256			1.262	13.43
13) PENTANE	0.869	0.795	0.869	1.090	0.943	0.893	0.842		0.900	10.56
14) 1,1-DICHLORO	1.302	1.162	1.206	1.457	1.249	1.184	1.011		1.225	11.18
15) CARBON DISUL	3.374	3.190	3.473	4.421	3.781	3.447	3.669		3.622	11.08
16) ETHANOL	0.243	0.186	0.176	0.204	0.244	0.357			0.235	28.16
17) BROMOETHENE	1.320	1.192	1.243	1.473	1.156	1.156	0.957		1.214	13.15
18) METHYLENE CH	1.113	1.010	1.055	1.337	1.784	2.277	2.585		1.594	39.77
----- Linear regression ----- Coefficient = 0.9957										
Response Ratio = 0.05019 + 1.07701 *A										
19) 3-CHLOROPROP	1.026	0.762	0.733	0.849	0.814	0.960	0.559		0.815	18.85
20) FREON 113	2.794	2.504	2.619	3.311	3.015	2.856	2.903		2.858	9.24
21) TRANS-1,2-DI	1.275	1.125	1.139	1.359	1.231	1.130	1.007		1.181	9.84
22) TERTIARY BUT	1.881	1.440	1.383	1.466	1.535	1.628			1.556	11.61
23) METHYL TERTI	2.627	2.227	1.981	2.224	2.196	1.839	1.394		2.070	18.63
24) TETRAHYDROFU	0.817	0.711	0.622	0.658	0.631	0.416			0.642	20.58
25) HEXANE	1.281	1.126	1.162	1.365	1.446	1.390	1.471		1.320	10.24
26) VINYL ACETAT	1.636	1.375	1.184	1.313	1.305	1.188			1.334	12.47
27) 1,1-DICHLORO	1.980	1.749	1.782	2.156	2.136	1.991	1.728		1.932	9.34
28) METHYL ETHYL	1.469	1.301	1.198	1.359	1.464	1.040	1.101		1.276	13.28
29) cis-1,2-DICH	1.277	1.084	1.053	1.234	1.162	1.125	0.959		1.128	9.64
30) ETHYL ACETAT	1.592	1.388	1.313	1.450	1.547	1.155	1.218		1.380	11.79
31) CHLOROFORM	2.724	2.421	2.453	2.990	2.918	2.613	2.309		2.632	9.80
32) 1,1,1-TRICHL	3.268	2.871	2.908	3.436	3.428	3.204	2.665		3.111	9.62
33) CARBON TETRA	3.897	3.503	3.660	4.498	4.059	3.595	3.343		3.794	10.33
34) 1,2-DICHLORO	1.647	1.425	1.354	1.606	1.567	1.442	1.156		1.457	11.66
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------									
36) BENZENE	0.804	0.659	0.618	0.716	0.728	0.681	0.502		0.672	14.18
37) CYCLOHEXANE	0.370	0.317	0.319	0.384	0.311	0.238	0.174		0.302	24.41
38) TRICHLOROETH	0.389	0.332	0.323	0.406	0.401	0.322	0.260		0.348	15.47
39) 1,2-DICHLORO	0.256	0.207	0.192	0.235	0.249	0.214	0.162		0.216	15.44
40) BROMODICHLOR	0.670	0.559	0.532	0.667	0.683	0.589	0.533		0.605	11.08
41) 2,2,4-TRIMET	1.106	0.997	1.021	1.181	1.154	0.874	0.534		0.981	22.75
42) 1,4-DIOXANE	0.166	0.122	0.112	0.110	0.145	0.178			0.139	20.68

Initial Calibration Summary

Job Number: M65248R **Sample:** MSJ552-ICC552
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10648.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
43) HEPTANE      0.363 0.309 0.301 0.351 0.345 0.258 0.171       0.300  22.44
44) METHYL ISOBU 0.463 0.371 0.325 0.351 0.401 0.213             0.354  23.61
45) cis-1,3-DICH 0.415 0.332 0.284 0.317 0.273 0.217 0.141       0.283  30.82
         ----- Quadratic regression -----                Coefficient =  0.9997
              Response Ratio = 0.00333 + 0.24818 *A + 0.04143 *A^2

46) TOLUENE      0.584 0.455 0.407 0.466 0.435 0.310 0.211       0.410  29.15
47) trans-1,3-DI 0.412 0.321 0.266 0.282 0.246 0.176 0.121       0.261  36.32
         ----- Quadratic regression -----                Coefficient =  0.9999
              Response Ratio = 0.00076 + 0.22915 *A + 0.04557 *A^2

48) 1,1,2-TRICHL 0.270 0.221 0.206 0.252 0.261 0.217 0.187       0.231  13.32

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50) 2-HEXANONE   0.481 0.365 0.313 0.349 0.344 0.198             0.342  26.73
51) TETRACHLOROE 0.578 0.461 0.433 0.543 0.529 0.463 0.397       0.487  13.37
52) DIBROMOCHLOR 0.792 0.653 0.614 0.796 0.778 0.659 0.566       0.694  13.50
53) 1,2-DIBROMOE 0.589 0.478 0.430 0.540 0.528 0.457 0.325       0.478  18.06
54) CHLOROBENZEN 0.903 0.731 0.684 0.868 0.880 0.768 0.642       0.782  13.16
55) ETHYLBENZENE 1.350 1.088 0.987 1.155 1.032 0.683 0.458       0.965  31.13
         ----- Quadratic regression -----                Coefficient =  0.9994
              Response Ratio = 0.02619 + 0.84446 *A + 0.12413 *A^2

56) m,p-XYLENE   0.559 0.443 0.411 0.502 0.470 0.299 0.172       0.408  32.31
         ----- Quadratic regression -----                Coefficient =  0.9990
              Response Ratio = 0.03506 + 0.33852 *A + 0.02685 *A^2

57) o-XYLENE     0.569 0.448 0.406 0.490 0.464 0.287 0.146       0.401  35.32
         ----- Quadratic regression -----                Coefficient =  0.9992
              Response Ratio = 0.01548 + 0.33639 *A + 0.05681 *A^2

58) STYRENE      0.843 0.639 0.543 0.542 0.498 0.277 0.163       0.501  44.92
         ----- Quadratic regression -----                Coefficient =  0.9999
              Response Ratio = 0.00227 + 0.44286 *A + 0.09972 *A^2

59) NONANE       0.521 0.434 0.416 0.486 0.510 0.299 0.136       0.400  34.60
            ----- Linear regression -----  Coefficient =  0.9921
              Response Ratio = -0.03574 + 0.51235 *A

60) BROMOFORM    0.870 0.675 0.606 0.737 0.764 0.608 0.467       0.675  19.34
61) 4-BROMOFLUOR 0.694 0.685 0.644 0.504 0.611 0.571 0.477       0.598  14.21
62) 1,1,2,2-TETR 0.708 0.577 0.536 0.652 0.810 0.626 0.439       0.621  19.33
63) ISOPROPYLBEN 1.616 1.288 1.169 1.311 1.358 0.824 0.522       1.155  31.73
         ----- Quadratic regression -----                Coefficient =  0.9995
              Response Ratio = 0.03645 + 0.97698 *A + 0.15688 *A^2

64) 2-CHLOROTOLU 1.138 0.902 0.787 0.853 0.881 0.547 0.347       0.779  33.12
         ----- Quadratic regression -----                Coefficient =  0.9997
              Response Ratio = 0.01645 + 0.66717 *A + 0.11641 *A^2

65) 4-ETHYLTOLUE 1.561 1.178 0.999 1.032 1.088 0.543             1.067  30.75
         ----- Quadratic regression -----                Coefficient =  0.9998
              Response Ratio = 0.03198 + 0.78436 *A + 0.19206 *A^2

66) 1,3,5-TRIMET 1.376 1.079 0.941 1.008 1.170 0.583             1.026  25.78
67) 1,2,4-TRIMET 1.311 1.001 0.833 0.871 0.977 0.444             0.906  31.14
         ----- Quadratic regression -----                Coefficient =  0.9998
              Response Ratio = 0.02674 + 0.67141 *A + 0.15827 *A^2

68) m-DICHLOROBE 0.988 0.747 0.635 0.769 0.849 0.600             0.765  18.62
```

Initial Calibration Summary

Job Number: M65248R **Sample:** MSJ552-ICC552
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10648.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
69) BENZYL CHLOR 0.849 0.598 0.481 0.506 0.486 0.307            0.538  33.34
         ----- Quadratic regression -----                Coefficient =  0.9998
              Response Ratio = 0.02008 + 0.34157 *A + 0.12557 *A^2

70) p-DICHLOROBE 0.961 0.725 0.613 0.716 0.730 0.526            0.712  20.51
71) o-DICHLOROBE 0.882 0.648 0.555 0.631 0.756 0.558            0.672  18.83
72) HEXACHLOROBU 0.558 0.431 0.369 0.454 1.172 0.914            0.650  49.44
         ----- Quadratic regression -----                Coefficient =  0.9962
              Response Ratio = 0.09939 + 0.22073 *A + 0.07814 *A^2

73) 1,2,4-TRICHL 0.386 0.281 0.210 0.207 0.477 0.350            0.319  33.24
         ----- Quadratic regression -----                Coefficient =  0.9987
              Response Ratio = 0.02821 + 0.14191 *A + 0.05934 *A^2

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

          J061407T.M        Sat Jun 16 14:10:33 2007
```

Initial Calibration Verification

Job Number: M65248R **Sample:** MSJ552-ICV552
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10653.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10653.D Vial: 4
Acq On : 15 Jun 2007 10:26 am Operator: danat
Sample : icv552-10 (m057) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 15 09:22:40 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	92	0.00	8.62
2	m	DICHLORODIFLUOROMETHANE	4.210	4.428	-5.2	102	0.00	4.07
3	m	PROPYLENE	0.628	0.725	-15.4	105	0.00	4.00
4	m	FREON 114	3.797	3.900	-2.7	99	0.00	4.32
5	m	CHLOROMETHANE	0.930	0.963	-3.5	99	0.00	4.23
6	m	VINYL CHLORIDE	1.057	1.164	-10.1	102	0.00	4.45
7	m	1,3-BUTADIENE	0.697	0.787	-12.9	97	0.00	4.58
8	m	BROMOMETHANE	1.297	1.362	-5.0	100	0.00	4.86
9	m	CHLOROETHANE	0.508	0.541	-6.5	99	0.00	5.03
10	m	TRICHLOROFLUOROMETHANE	4.290	4.418	-3.0	100	0.00	5.79
11	m	ISOPROPYL ALCOHOL	1.270	1.230	3.1	110	-0.01	5.95
12	m	ACETONE	1.262	1.135	10.1	97	0.00	5.66
13	m	PENTANE	0.900	0.954	-6.0	101	0.00	6.14
14	m	1,1-DICHLOROETHYLENE	1.225	1.268	-3.5	96	0.00	6.43
15	m	CARBON DISULFIDE	3.622	3.600	0.6	95	0.00	6.85
16	m	ETHANOL	0.235	0.201	14.5	105	-0.02	5.21
17	m	BROMOETHENE	1.214	1.349	-11.1	100	0.00	5.39
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	9.767	2.3	96	0.00	6.54
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.815	0.843	-3.4	106	0.00	6.66
20	m	FREON 113	2.858	2.764	3.3	97	0.00	6.79
21	m	TRANS-1,2-DICHLOROETHYLEN	1.181	1.228	-4.0	99	0.00	7.46
22	m	TERTIARY BUTYL ALCOHOL	1.556	1.671	-7.4	111	-0.01	6.54
23	m	METHYL TERTIARY BUTYL ETH	2.070	2.198	-6.2	102	0.00	7.73
24	m	TETRAHYDROFURAN	0.642	0.698	-8.7	103	0.00	9.18
25	m	HEXANE	1.320	1.198	9.2	95	0.00	8.63
26	m	VINYL ACETATE	1.334	1.313	1.6	102	0.00	7.80
27	m	1,1-DICHLOROETHANE	1.932	1.904	1.4	98	0.00	7.66
28	m	METHYL ETHYL KETONE	1.276	1.258	1.4	96	0.00	8.07
29	m	cis-1,2-DICHLOROETHYLENE	1.128	1.146	-1.6	100	0.00	8.46
30	m	ETHYL ACETATE	1.380	1.305	5.4	91	0.00	8.69
31	m	CHLOROFORM	2.632	2.652	-0.8	99	0.00	8.74
32	m	1,1,1-TRICHLOROETHANE	3.111	3.132	-0.7	99	0.00	9.68
33	m	CARBON TETRACHLORIDE	3.794	3.994	-5.3	100	0.00	10.26
34	m	1,2-DICHLOROETHANE	1.457	1.516	-4.0	103	0.00	9.45
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	90	0.00	10.44
36	m	BENZENE	0.672	0.698	-3.9	102	0.00	10.12
37	m	CYCLOHEXANE	0.302	0.347	-14.9	98	0.00	10.37

Initial Calibration Verification

Job Number: M65248R **Sample:** MSJ552-ICV552
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10653.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

38	m	TRICHLOROETHYLENE	0.348	0.363	-4.3	102	0.00	11.12
39	m	1,2-DICHLOROPROPANE	0.216	0.225	-4.2	106	0.00	10.90
40	m	BROMODICHLOROMETHANE	0.605	0.587	3.0	100	0.00	11.09
41	m	2,2,4-TRIMETHYLPENTANE	0.981	1.138	-16.0	101	0.00	11.12
42	m	1,4-DIOXANE	0.139	0.122	12.2	99	0.00	11.17
43	m	HEPTANE	0.300	0.326	-8.7	98	0.00	11.36
44	m	METHYL ISOBUTYL KETONE	0.354	0.362	-2.3	101	-0.01	11.99
		----------	True	Calc.	% Drift	----------		
45	m	cis-1,3-DICHLOROPROPENE	10.000	11.591	-15.9	110	0.00	11.94
		----------	AvgRF	CCRF	% Dev	----------		
46	m	TOLUENE	0.410	0.474	-15.6	105	0.00	12.89
		----------	True	Calc.	% Drift	----------		
47	m	trans-1,3-DICHLOROPROPENE	10.000	9.516	4.8	88	0.00	12.44
		----------	AvgRF	CCRF	% Dev	----------		
48	m	1,1,2-TRICHLOROETHANE	0.231	0.240	-3.9	106	0.00	12.62
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	91	0.00	14.67
50	m	2-HEXANONE	0.342	0.316	7.6	92	0.00	13.17
51	m	TETRACHLOROETHYLENE	0.487	0.509	-4.5	106	0.00	14.01
52	m	DIBROMOCHLOROMETHANE	0.694	0.700	-0.9	103	0.00	13.33
53	m	1,2-DIBROMOETHANE	0.478	0.487	-1.9	103	0.00	13.57
54	m	CHLOROBENZENE	0.685	0.774	-13.0	103	0.00	14.72
		----------	True	Calc.	% Drift	----------		
55	m	ETHYLBENZENE	10.000	11.394	-13.9	106	0.00	15.09
56	m	m,p-XYLENE	20.000	23.224	-16.1	107	-0.01	15.27
57	m	o-XYLENE	10.000	11.658	-16.6	108	0.00	15.79
58	m	STYRENE	10.000	10.880	-8.8	101	0.00	15.67
59	m	NONANE	10.000	10.236	-2.4	107	0.00	15.97
		----------	AvgRF	CCRF	% Dev	----------		
60	m	BROMOFORM	0.675	0.695	-3.0	104	0.00	15.40
61	S	4-BROMOFLUOROBENZENE	0.523	0.624	-19.3	88	0.00	16.29
62	m	1,1,2,2-TETRACHLOROETHANE	0.621	0.629	-1.3	106	0.00	15.80
		----------	True	Calc.	% Drift	----------		
63	m	ISOPROPYLBENZENE	10.000	11.578	-15.8	107	0.00	16.43
64	m	2-CHLOROTOLUENE	10.000	11.400	-14.0	107	0.00	16.98
65	m	4-ETHYLTOLUENE	10.000	10.724	-7.2	99	0.00	17.17
		----------	AvgRF	CCRF	% Dev	----------		
66	m	1,3,5-TRIMETHYLBENZENE	1.026	1.093	-6.5	105	0.00	17.26
		----------	True	Calc.	% Drift	----------		
67	m	1,2,4-TRIMETHYLBENZENE	10.000	11.389	-13.9	108	0.00	17.72
		----------	AvgRF	CCRF	% Dev	----------		
68	m	m-DICHLOROBENZENE	0.765	0.695	9.2	99	0.00	17.90
		----------	True	Calc.	% Drift	----------		
69	m	BENZYL CHLORIDE	10.000	9.941	0.6	91	0.00	17.89
		----------	AvgRF	CCRF	% Dev	----------		
70	m	p-DICHLOROBENZENE	0.712	0.629	11.7	93	0.00	17.98
71	m	o-DICHLOROBENZENE	0.672	0.654	2.7	107	0.00	18.37

Initial Calibration Verification

Job Number: M65248R **Sample:** MSJ552-ICV552
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10653.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

		True	Calc.	% Drift			
72 m	HEXACHLOROBUTADIENE	10.000	12.813	-28.1	125	0.00	20.76
73 m	1,2,4-TRICHLOROBENZENE	10.000	9.480	5.2	93	0.00	20.27

		AvgRF	CCRF	% Dev
74 m	NAPHTHALENE		NA	

(0.0 %) 0 of 70 compounds'%D > 30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
J10648.D J061407T.M Sat Jun 16 14:09:55 2007

Continuing Calibration Summary

Job Number: M65248R **Sample:** MSJ555-CC552
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10716.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10716.D Vial: 1
Acq On : 21 Jun 2007 12:37 pm Operator: danat
Sample : cc552-10 (m045) Inst : MSJ
Misc : MS13762, MSJ555,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Jun 15 09:22:40 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	105	0.00	8.63
2	m	DICHLORODIFLUOROMETHANE	4.210	4.200	0.2	111	0.00	4.07
3	m	PROPYLENE	0.628	0.678	-8.0	112	0.00	4.00
4	m	FREON 114	3.797	3.723	1.9	108	0.00	4.33
5	m	CHLOROMETHANE	0.930	0.916	1.5	108	0.00	4.24
6	m	VINYL CHLORIDE	1.057	1.097	-3.8	110	0.00	4.46
7	m	1,3-BUTADIENE	0.697	0.814	-16.8	115	0.00	4.59
8	m	BROMOMETHANE	1.297	1.245	4.0	104	0.00	4.87
9	m	CHLOROETHANE	0.508	0.525	-3.3	110	0.00	5.04
10	m	TRICHLOROFLUOROMETHANE	4.290	4.429	-3.2	114	0.00	5.80
11	m	ISOPROPYL ALCOHOL	1.270	0.603	52.5#	61	0.02	5.98
12	m	ACETONE	1.262	1.185	6.1	116	0.00	5.67
13	m	PENTANE	0.900	0.979	-8.8	118	0.00	6.14
14	m	1,1-DICHLOROETHYLENE	1.225	1.169	4.6	102	0.00	6.43
15	m	CARBON DISULFIDE	3.622	3.355	7.4	101	0.00	6.85
16	m	ETHANOL	0.235	0.085	63.8#	51	0.01	5.24
17	m	BROMOETHENE	1.214	1.244	-2.5	105	0.00	5.39
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	9.423	5.8	106	0.00	6.55
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.815	1.026	-25.9	147	0.00	6.66
20	m	FREON 113	2.858	2.591	9.3	104	0.00	6.80
21	m	TRANS-1,2-DICHLOROETHYLEN	1.181	1.172	0.8	108	0.00	7.46
22	m	TERTIARY BUTYL ALCOHOL	1.556	0.855	45.1#	65	0.02	6.58
23	m	METHYL TERTIARY BUTYL ETH	2.070	2.313	-11.7	122	0.00	7.74
24	m	TETRAHYDROFURAN	0.642	0.651	-1.4	110	0.00	9.19
25	m	HEXANE	1.320	1.261	4.5	114	0.00	8.64
26	m	VINYL ACETATE	1.334	1.450	-8.7	128	0.00	7.81
27	m	1,1-DICHLOROETHANE	1.932	2.028	-5.0	119	0.00	7.66
28	m	METHYL ETHYL KETONE	1.276	1.206	5.5	105	0.00	8.09
29	m	cis-1,2-DICHLOROETHYLENE	1.128	1.164	-3.2	116	0.00	8.47
30	m	ETHYL ACETATE	1.380	1.364	1.2	109	0.01	8.70
31	m	CHLOROFORM	2.632	2.754	-4.6	118	0.00	8.75
32	m	1,1,1-TRICHLOROETHANE	3.111	3.312	-6.5	119	0.00	9.69
33	m	CARBON TETRACHLORIDE	3.794	3.948	-4.1	113	0.00	10.26
34	m	1,2-DICHLOROETHANE	1.457	1.618	-11.1	125	0.00	9.46
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	100	0.00	10.45
36	m	BENZENE	0.672	0.707	-5.2	115	0.00	10.13
37	m	CYCLOHEXANE	0.302	0.339	-12.3	107	0.00	10.37

Continuing Calibration Summary

Job Number: M65248R **Sample:** MSJ555-CC552
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10716.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

38	m	TRICHLOROETHYLENE	0.348	0.359	-3.2	111	0.00	11.12
39	m	1,2-DICHLOROPROPANE	0.216	0.233	-7.9	122	0.00	10.91
40	m	BROMODICHLOROMETHANE	0.605	0.599	1.0	113	0.00	11.10
41	m	2,2,4-TRIMETHYLPENTANE	0.981	1.192	-21.5	117	0.00	11.13
42	m	1,4-DIOXANE	0.139	0.049	64.7#	44	0.03	11.21
43	m	HEPTANE	0.300	0.359	-19.7	120	0.00	11.36
44	m	METHYL ISOBUTYL KETONE	0.354	0.327	7.6	101	0.01	12.01
		----------	True	Calc.	% Drift	----------		
45	m	cis-1,3-DICHLOROPROPENE	10.000	11.244	-12.4	118	0.00	11.94
		----------	AvgRF	CCRF	% Dev	----------		
46	m	TOLUENE	0.410	0.480	-17.1	118	0.00	12.89
		----------	True	Calc.	% Drift	----------		
47	m	trans-1,3-DICHLOROPROPENE	10.000	9.954	0.5	103	0.00	12.45
		----------	AvgRF	CCRF	% Dev	----------		
48	m	1,1,2-TRICHLOROETHANE	0.231	0.229	0.9	112	0.00	12.63
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	103	0.00	14.68
50	m	2-HEXANONE	0.342	0.255	25.4	84	0.01	13.19
51	m	TETRACHLOROETHYLENE	0.487	0.473	2.9	113	0.00	14.02
52	m	DIBROMOCHLOROMETHANE	0.694	0.659	5.0	111	0.00	13.33
53	m	1,2-DIBROMOETHANE	0.478	0.462	3.3	111	0.00	13.58
54	m	CHLOROBENZENE	0.685	0.735	-7.3	111	0.00	14.72
		----------	True	Calc.	% Drift	----------		
55	m	ETHYLBENZENE	10.000	11.335	-13.4	120	0.00	15.10
56	m	m,p-XYLENE	20.000	22.616	-13.1	118	0.00	15.29
57	m	o-XYLENE	10.000	11.463	-14.6	121	0.00	15.79
58	m	STYRENE	10.000	11.334	-13.3	120	0.00	15.68
59	m	NONANE	10.000	10.781	-7.8	128	0.00	15.98
		----------	AvgRF	CCRF	% Dev	----------		
60	m	BROMOFORM	0.675	0.645	4.4	110	0.00	15.41
61	S	4-BROMOFLUOROBENZENE	0.523	0.708	-35.4#	114	0.00	16.30
62	m	1,1,2,2-TETRACHLOROETHANE	0.621	0.590	5.0	114	0.00	15.80
		----------	True	Calc.	% Drift	----------		
63	m	ISOPROPYLBENZENE	10.000	11.609	-16.1	122	0.00	16.44
64	m	2-CHLOROTOLUENE	10.000	11.754	-17.5	126	0.00	16.99
65	m	4-ETHYLTOLUENE	10.000	10.997	-10.0	117	0.00	17.18
		----------	AvgRF	CCRF	% Dev	----------		
66	m	1,3,5-TRIMETHYLBENZENE	1.026	1.109	-8.1	122	0.00	17.26
		----------	True	Calc.	% Drift	----------		
67	m	1,2,4-TRIMETHYLBENZENE	10.000	11.562	-15.6	126	0.00	17.72
		----------	AvgRF	CCRF	% Dev	----------		
68	m	m-DICHLOROBENZENE	0.765	0.713	6.8	116	0.00	17.91
		----------	True	Calc.	% Drift	----------		
69	m	BENZYL CHLORIDE	10.000	9.524	4.8	99	0.00	17.89
		----------	AvgRF	CCRF	% Dev	----------		
70	m	p-DICHLOROBENZENE	0.712	0.647	9.1	109	0.00	17.99
71	m	o-DICHLOROBENZENE	0.672	0.632	6.0	118	0.00	18.37

Continuing Calibration Summary

Job Number: M65248R **Sample:** MSJ555-CC552
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10716.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

		True	Calc.	% Drift			
72 m	HEXACHLOROBUTADIENE	10.000	8.128	18.7	93	0.00	20.76
73 m	1,2,4-TRICHLOROBENZENE	10.000	6.571	34.3#	72	0.00	20.27

		AvgRF	CCRF	% Dev			
74 m	NAPHTHALENE	0.000	0.001	0.0	0#	0.00	20.40

(8.6 %) 6 of 70 compounds'%D > 30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
J10648.D J061407T.M Fri Jun 22 09:44:03 2007

Initial Calibration Summary

Job Number: M65248R **Sample:** MSQ185-ICC185
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3393.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q051507T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Calibration Files
.2 =Q3389.D .5 =Q3394.D 2 =Q3387.D
5 =Q3391.D 10 =Q3393.D 20 =Q3392.D 40 =Q3390.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	0.773	1.270	0.848	0.791	0.855	0.670	0.638	0.835 E1	24.99
3)m PROPYLENE	2.938	4.605	2.553	2.952	3.111	2.587	1.960	2.958	27.71
4)m FREON 114	0.746	1.286	0.848	0.827	0.898	0.716	0.613	0.847 E1	25.39
5)m CHLOROMETHANE	3.313	5.986	3.338	3.763	3.975	3.208	2.509	3.727	29.47
6)m VINYL CHLORIDE	2.715	4.871	2.950	3.066	3.273	2.597	2.115	3.084	28.27
7)m 1,3-BUTADIENE	3.302	4.706	2.501	3.089	3.179	2.813	2.452	3.149	24.16
8)m BROMOMETHANE	2.062	4.396	2.737	2.629	2.846	2.111	1.875	2.665	31.88
----- Quadratic regression ----- Coefficient = 0.9949									
Response Ratio = 0.08955 + 2.55861 *A + -0.17925 *A^2									
9)m CHLOROETHANE	1.074	2.018	1.266	1.350	1.427	1.086	0.941	1.309	27.21
10)m TRICHLOROFLUOROME	0.849	1.397	0.872	0.883	0.937	0.722	0.768	0.918 E1	24.33
11)m ISOPROPYL ALCOHOL	8.783	7.472	4.295	5.540	5.437	5.048	4.494	5.867	28.18
12)m ACETONE		7.620	4.260	5.154	5.186	4.818	4.272	5.219	23.85
13)m PENTANE	3.217	3.892	2.313	2.857	2.714	2.657	2.241	2.842	19.99
14)m 1,1-DICHLOROETHYL	2.082	3.846	2.323	2.375	2.535	1.959	2.034	2.451	26.49
15)m CARBON DISULFIDE	5.378	8.319	5.673	5.874	6.095	5.047	5.209	5.942	18.70
16)m ETHANOL		1.862	0.977	1.169	1.198	1.070	0.928	1.201	28.36
17)m BROMOETHENE	2.216	4.402	2.764	2.623	2.885	2.054	1.967	2.702	30.72
----- Quadratic regression ----- Coefficient = 0.9923									
Response Ratio = 0.12263 + 2.41104 *A + -0.12225 *A^2									
18)m METHYLENE CHLORID	4.428	4.766	2.596	2.082	2.222	1.708	1.693	2.785	45.93
----- Linear regression (equal Weighting)----- Coefficient = 0.9951									
Response Ratio = 0.21020 + 1.65099 *A									
19)m 3-CHLOROPROPENE	2.501	4.164	1.825	2.157	2.101	1.980	1.937	2.381	34.24
----- Linear regression (equal Weighting)----- Coefficient = 0.9994									
Response Ratio = 0.07615 + 1.92765 *A									
20)m FREON 113	4.486	3.632	4.469	4.596	4.950	3.817	4.336	4.327	10.55
21)m TRANS-1,2-DICHLOR	2.062	2.021	2.134	2.224	2.358	1.957	2.106	2.123	6.30
22)m TERTIARY BUTYL AL	5.250	7.137	4.842	5.445	5.420	4.763	3.764	5.232	19.49
23)m METHYL TERTIARY B	5.068	4.977	4.683	4.971	5.255	4.419	4.837	4.887	5.58
24)m TETRAHYDROFURAN	2.899	2.727	3.594	3.041	2.843	2.823	3.171	3.014	9.80
25)m HEXANE	3.491	3.641	3.661	3.155	2.756	2.832	3.488	3.289	11.47
26)m VINYL ACETATE	5.091	5.977	7.927	4.773	4.898	4.500	4.693	5.409	22.35
27)m 1,1-DICHLOROETHAN	4.159	4.773	4.619	4.298	4.459	3.731	3.951	4.284	8.60
28)m METHYL ETHYL KETO	6.853	5.353	6.865	5.760	5.791	5.184	6.079	5.984	11.14
29)m cis-1,2-DICHLOROE	1.276	2.087	1.861	1.605	1.349	1.514	1.599	1.613	17.52
30)m ETHYL ACETATE	1.041	0.902	1.100	0.949	0.899	0.878	1.077	0.978 E1	9.47
31)m CHLOROFORM	4.953	5.589	5.072	3.929	4.047	3.634	4.527	4.536	15.56
32)m 1,1,1-TRICHLOROET	4.322	6.092	4.961	3.841	4.379	3.567	4.822	4.569	18.25
33)m CARBON TETRACHLOR	4.468	6.554	5.215	4.379	4.881	3.980	5.598	5.011	17.36
34)m 1,2-DICHLOROETHAN	3.659	4.474	4.052	3.075	3.649	2.852	3.853	3.659	15.17

Initial Calibration Summary

Job Number: M65248R **Sample:** MSQ185-ICC185
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3393.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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35) I   1,4-DIFLUOROBENZENE   ----------------ISTD---------------------
36)m BENZENE           0.938 1.231 1.149 1.179 0.830 0.945 1.001 1.039  14.32
37)m CYCLOHEXANE       0.247 0.462 0.400 0.344 0.295 0.331 0.358 0.348  19.97
38)m TRICHLOROETHYLENE 0.392 0.731 0.589 0.548 0.481 0.551 0.674 0.566  20.05
39)m 1,2-DICHLOROPROPA 0.439 0.560 0.561 0.521 0.417 0.486 0.480 0.495  11.31
40)m BROMODICHLOROMETH 0.800 1.186 0.980 0.970 0.865 0.924 1.023 0.964  12.79
41)m 2,2,4-TRIMETHYLPE 1.902 2.623 2.679 2.539 2.036 2.482 2.726 2.427  13.40
42)m 1,4-DIOXANE       0.177 0.180 0.204 0.185 0.159 0.191 0.226 0.189  11.28
43)m HEPTANE           0.743 1.015 1.146 1.176 0.932 1.127 1.126 1.038  14.99
44)m METHYL ISOBUTYL K 1.064 1.315 1.554 1.725 1.363 1.673 1.751 1.492  17.07
45)m cis-1,3-DICHLOROP 0.465 0.707 0.702 0.685 0.592 0.688 0.774 0.659  15.33
46)m TOLUENE           0.455 0.816 0.766 0.694 0.588 0.702 0.788 0.687  18.49
47)m trans-1,3-DICHLOR 0.334 0.637 0.599 0.597 0.529 0.593 0.675 0.566  19.75
48)m 1,1,2-TRICHLOROET 0.343 0.478 0.463 0.432 0.339 0.413 0.444 0.416  13.28

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50)m 2-HEXANONE        1.402 1.036 1.431 1.617 1.293 1.530 1.599 1.415  14.32
51)m TETRACHLOROETHYLE 0.258 0.635 0.424 0.365 0.354 0.391 0.554 0.426  30.04
         ----- Quadratic regression -----  Coefficient =  0.9995
              Response Ratio = 0.02490 + 0.23376 *A + 0.07833 *A^2

52)m DIBROMOCHLOROMETH 0.729 1.355 0.973 0.897 0.858 0.934 1.211 0.994  21.73
53)m 1,2-DIBROMOETHANE 0.688 1.159 0.903 0.834 0.714 0.821 0.929 0.864  18.25
54)m CHLOROBENZENE     0.846 1.428 1.153 1.002 0.865 0.993 1.124 1.059  18.89
55)m ETHYLBENZENE      1.375 2.259 2.001 1.854 1.609 1.893 2.024 1.859  15.61
56)m m,p-XYLENE        0.447 0.836 0.692 0.660 0.567 0.718 0.864 0.683  21.33
57)m o-XYLENE          0.496 0.821 0.681 0.699 0.574 0.802 0.874 0.706  19.41
58)m STYRENE           0.450 0.932 0.954 0.953 0.795 1.043 1.064 0.884  23.81
59)m NONANE            1.532 1.966 1.991 2.230 1.590 2.179 1.659 1.878  15.14
60)m BROMOFORM         0.540 0.958 0.699 0.677 0.685 0.797 1.113 0.781  24.91
61)S 4-BROMOFLUOROBENZ 0.843 0.756 0.797 0.887 0.888 0.972 0.874 0.859   8.14
62)m 1,1,2,2-TETRACHLO 1.378 0.987 1.207 1.342 1.004 1.521 1.330 1.253  15.83
63)m ISOPROPYLBENZENE  1.578 2.468 2.023 2.075 1.755 2.255 2.201 2.051  14.77
64)m 2-CHLOROTOLUENE   1.332 1.866 1.574 1.625 1.423 1.792 1.593 1.601  11.74
65)m 4-ETHYLTOLUENE    1.367 1.934 1.760 1.848 1.594 2.083 2.044 1.804  14.15
66)m 1,3,5-TRIMETHYLBE 1.545 1.888 1.630 1.705 1.531 1.972 1.965 1.748  10.99
67)m 1,2,4-TRIMETHYLBE 1.458 1.561 1.508 1.642 1.565 1.958 1.899 1.656  11.79
68)m m-DICHLOROBENZENE 0.882 0.864 0.833 0.936 0.884 1.107 1.274 0.969  16.73
69)m BENZYL CHLORIDE   1.081 0.593 0.995 1.222 1.163 1.456 1.376 1.127  25.24
70)m p-DICHLOROBENZENE 0.666 0.805 0.824 0.876 0.852 1.027 1.197 0.893  19.24
71)m o-DICHLOROBENZENE 1.086 0.602 0.680 0.809 0.824 0.989 1.080 0.867  22.00
72)m HEXACHLOROBUTADIE 1.064 0.199 0.128 0.158 0.256 0.337       0.357  99.12
         ----- Quadratic regression -----  Coefficient =  0.9974
              Response Ratio = 0.00387 + 0.13548 *A + 0.10075 *A^2

73)m 1,2,4-TRICHLOROBE 0.316 0.181 0.129 0.133 0.138 0.192       0.181  39.09
         ----- Quadratic regression -----  Coefficient =  0.9995
              Response Ratio = 0.00614 + 0.08311 *A + 0.05273 *A^2

74)m NAPHTHALENE                                                0.000  -1.00
---------------------------------------------------------------------------
(#) = Out of Range

          Q051507T.m        Wed May 16 11:12:57 2007   RPT1
```

Initial Calibration Verification

Job Number: M65248R **Sample:** MSQ185-ICV185
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3395.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3395.D Vial: 3
Acq On : 16 May 2007 11:30 am Operator: PhilipB
Sample : ICV185-10 (M068) Inst : MAMSQ
Misc : MS13535,MSQ185,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q051507T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Wed May 16 11:12:42 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)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	118	0.00	8.22- 8.63
2	m	DICHLORODIFLUOROMETHAN	8.349	8.318	0.4	115	0.00	3.39- 3.80
3	m	PROPYLENE	2.958	3.027	-2.3	115	0.00	3.31- 3.72
4	m	FREON 114	8.475	8.740	-3.1	115	0.00	3.65- 4.06
5	m	CHLOROMETHANE	3.727	3.841	-3.1	114	0.00	3.55- 3.96
6	m	VINYL CHLORIDE	3.084	3.193	-3.5	115	0.00	3.77- 4.19
7	m	1,3-BUTADIENE	3.149	3.086	2.0	115	0.00	3.91- 4.32
		----------	True	Calc.	% Drift	----------		
8	m	BROMOMETHANE	10.000	11.420	-14.2	115	0.00	4.19- 4.60
		----------	AvgRF	CCRF	% Dev	----------		
9	m	CHLOROETHANE	1.309	1.344	-2.7	111	0.00	4.36- 4.78
10	m	TRICHLOROFLUOROMETHANE	9.183	8.892	3.2	112	0.00	5.18- 5.59
11	m	ISOPROPYL ALCOHOL	5.867	4.847	17.4	105	0.00	5.20- 5.68
12	m	ACETONE	5.219	4.981	4.6	114	0.00	4.98- 5.39
13	m	PENTANE	2.842	2.408	15.3	105	0.00	5.61- 5.92
14	m	1,1-DICHLOROETHYLENE	2.451	2.416	1.4	113	0.00	5.86- 6.27
15	m	CARBON DISULFIDE	5.942	4.885	17.8	95	0.00	6.32- 6.73
16	m	ETHANOL	1.201	1.078	10.2	106	0.00	4.44- 4.90
		----------	True	Calc.	% Drift	----------		
17	m	BROMOETHENE	10.000	11.683	-16.8	114	0.00	4.73- 5.14
18	m	METHYLENE CHLORIDE	10.000	10.398	-4.0	103	0.00	6.04- 6.34
19	m	3-CHLOROPROPENE	10.000	7.807	21.9	89	0.00	6.11- 6.53
		----------	AvgRF	CCRF	% Dev	----------		
20	m	FREON 113	4.327	4.235	2.1	101	0.00	6.26- 6.67
21	m	TRANS-1,2-DICHLOROETHY	2.123	1.971	7.2	99	0.00	6.98- 7.39
22	m	TERTIARY BUTYL ALCOHOL	5.232	4.931	5.8	108	0.00	5.83- 6.35
23	m	METHYL TERTIARY BUTYL	4.887	4.566	6.6	103	0.00	7.24- 7.65
24	m	TETRAHYDROFURAN	3.014	2.499	17.1	104	0.00	8.81- 9.10
25	m	HEXANE	3.289	2.640	19.7	113	0.00	8.25- 8.66
26	m	VINYL ACETATE	5.409	4.004	26.0	97	0.00	7.36- 7.71
27	m	1,1-DICHLOROETHANE	4.284	3.674	14.2	97	0.00	7.18- 7.60
28	m	METHYL ETHYL KETONE	5.984	5.883	1.7	120	0.00	7.55- 8.03
29	m	cis-1,2-DICHLOROETHYLE	1.613	1.436	11.0	126	0.00	8.04- 8.45
30	m	ETHYL ACETATE	9.780	7.884	19.4	104	0.00	8.25- 8.67
31	m	CHLOROFORM	4.536	3.958	12.7	116	0.00	8.35- 8.76
32	m	1,1,1-TRICHLOROETHANE	4.569	4.524	1.0	122	0.00	9.34- 9.76
33	m	CARBON TETRACHLORIDE	5.011	5.116	-2.1	124	0.00	9.95-10.36
34	m	1,2-DICHLOROETHANE	3.659	3.579	2.2	116	0.00	9.09- 9.50

Initial Calibration Verification

Job Number: M65248R **Sample:** MSQ185-ICV185
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3395.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	118	0.00	10.14-10.55
36	m	BENZENE	1.039	0.847	18.5	121	0.00	9.81-10.22
37	m	CYCLOHEXANE	0.348	0.325	6.6	130	0.00	10.08-10.49
38	m	TRICHLOROETHYLENE	0.566	0.496	12.4	122	0.00	10.89-11.20
39	m	1,2-DICHLOROPROPANE	0.495	0.388	21.6	110	0.00	10.61-11.02
40	m	BROMODICHLOROMETHANE	0.964	0.867	10.1	119	0.00	10.86-11.17
41	m	2,2,4-TRIMETHYLPENTANE	2.427	1.849	23.8	108	0.00	10.87-11.28
42	m	1,4-DIOXANE	0.189	0.162	14.3	121	0.00	10.78-11.30
43	m	HEPTANE	1.038	0.804	22.5	102	0.00	11.17-11.48
44	m	METHYL ISOBUTYL KETONE	1.492	1.101	26.2	96	0.00	11.70-12.14
45	m	cis-1,3-DICHLOROPROPEN	0.659	0.536	18.7	107	0.00	11.69-12.10
46	m	TOLUENE	0.687	0.603	12.2	122	0.00	12.68-13.09
47	m	trans-1,3-DICHLOROPROP	0.566	0.566	0.0	127	0.00	12.26-12.57
48	m	1,1,2-TRICHLOROETHANE	0.416	0.328	21.2	115	0.00	12.42-12.78
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	109	0.00	14.54-14.85
50	m	2-HEXANONE	1.415	1.150	18.7	97	0.00	12.92-13.32
		----------	True	Calc.	% Drift		----------	
51	m	TETRACHLOROETHYLENE	10.000	12.345	-23.5	134	0.00	13.83-14.24
		----------	AvgRF	CCRF	% Dev		----------	
52	m	DIBROMOCHLOROMETHANE	0.994	1.022	-2.8	130	0.00	13.14-13.50
53	m	1,2-DIBROMOETHANE	0.864	0.797	7.8	122	0.00	13.42-13.73
54	m	CHLOROBENZENE	1.059	0.979	7.6	124	0.00	14.59-14.90
55	m	ETHYLBENZENE	1.859	1.727	7.1	117	0.00	14.95-15.31
56	m	m,p-XYLENE	0.683	0.627	8.2	121	0.00	15.15-15.51
57	m	o-XYLENE	0.706	0.640	9.3	122	0.00	15.65-16.01
58	m	STYRENE	0.884	0.911	-3.1	125	0.00	15.55-15.86
59	m	NONANE	1.878	1.465	22.0	101	0.00	15.88-16.19
60	m	BROMOFORM	0.781	0.869	-11.3	139	0.00	15.27-15.58
61	S	4-BROMOFLUOROBENZENE	0.859	0.873	-1.6	107	0.00	16.18-16.49
62	m	1,1,2,2-TETRACHLOROETH	1.253	1.052	16.0	114	0.00	15.67-15.98
63	m	ISOPROPYLBENZENE	2.051	1.913	6.7	119	0.00	16.32-16.63
64	m	2-CHLOROTOLUENE	1.601	1.485	7.2	114	0.00	16.82-17.24
65	m	4-ETHYLTOLUENE	1.804	1.855	-2.8	127	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	1.748	1.695	3.0	121	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	1.656	1.645	0.7	115	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	0.969	1.006	-3.8	124	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	1.127	1.270	-12.7	119	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	0.893	0.968	-8.4	124	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	0.867	1.013	-16.8	134	0.00	18.26-18.57
		----------	True	Calc.	% Drift		----------	
72	m	HEXACHLOROBUTADIENE	10.000	14.941	-49.4#	184	0.00	20.61-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	14.534	-45.3#	189	0.00	20.12-20.53
		----------	AvgRF	CCRF	% Dev		----------	
74	m	NAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3393.D Q051507T.m Wed May 16 12:02:13 2007 RPT1

Continuing Calibration Summary

Job Number: M65248R **Sample:** MSQ187-CC185
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3423.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3423.D Vial: 1
Acq On : 17 May 2007 1:49 pm Operator: PhilipB
Sample : CC185-10 (M068) Inst : MAMSQ
Misc : MS13593, MSQ187,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q051507T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Wed May 16 11:12:42 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)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	89	0.00	8.21- 8.62
2	m	DICHLORODIFLUOROMETHAN	8.349	8.067	3.4	84	0.00	3.38- 3.80
3	m	PROPYLENE	2.958	2.159	27.0	62	0.00	3.31- 3.72
4	m	FREON 114	8.475	8.494	-0.2	84	0.00	3.65- 4.06
5	m	CHLOROMETHANE	3.727	3.379	9.3	76	0.00	3.55- 3.96
6	m	VINYL CHLORIDE	3.084	2.925	5.2	79	0.00	3.77- 4.18
7	m	1,3-BUTADIENE	3.149	2.857	9.3	80	0.00	3.91- 4.32
			True	Calc.	% Drift			
8	m	BROMOMETHANE	10.000	11.219	-12.2	85	0.00	4.19- 4.60
			AvgRF	CCRF	% Dev			
9	m	CHLOROETHANE	1.309	1.312	-0.2	82	0.00	4.36- 4.77
10	m	TRICHLOROFLUOROMETHANE	9.183	9.637	-4.9	91	0.00	5.18- 5.59
11	m	ISOPROPYL ALCOHOL	5.867	5.941	-1.3	97	0.00	5.20- 5.67
12	m	ACETONE	5.219	6.016	-15.3	103	0.00	4.98- 5.39
13	m	PENTANE	2.842	3.613	-27.1	118	0.00	5.61- 5.92
14	m	1,1-DICHLOROETHYLENE	2.451	2.523	-2.9	88	0.00	5.86- 6.27
15	m	CARBON DISULFIDE	5.942	6.864	-15.5	100	0.00	6.31- 6.73
16	m	ETHANOL	1.201	1.131	5.8	84	0.00	4.43- 4.90
			True	Calc.	% Drift			
17	m	BROMOETHENE	10.000	10.701	-7.0	79	0.00	4.73- 5.15
18	m	METHYLENE CHLORIDE	10.000	12.178	-21.8	89	0.00	6.04- 6.34
19	m	3-CHLOROPROPENE	10.000	14.030	-40.3#	118	0.00	6.11- 6.52
			AvgRF	CCRF	% Dev			
20	m	FREON 113	4.327	4.775	-10.4	86	0.00	6.26- 6.67
21	m	TRANS-1,2-DICHLOROETHY	2.123	2.403	-13.2	91	0.00	6.97- 7.38
22	m	TERTIARY BUTYL ALCOHOL	5.232	5.471	-4.6	90	0.00	5.83- 6.34
23	m	METHYL TERTIARY BUTYL	4.887	5.151	-5.4	87	0.00	7.24- 7.65
24	m	TETRAHYDROFURAN	3.014	2.794	7.3	87	0.00	8.81- 9.10
25	m	HEXANE	3.289	3.303	-0.4	106	0.00	8.25- 8.66
26	m	VINYL ACETATE	5.409	6.841	-26.5	124	0.00	7.36- 7.71
27	m	1,1-DICHLOROETHANE	4.284	5.463	-27.5	109	0.00	7.18- 7.60
28	m	METHYL ETHYL KETONE	5.984	6.176	-3.2	95	0.00	7.55- 8.03
29	m	cis-1,2-DICHLOROETHYLE	1.613	1.539	4.6	101	0.00	8.04- 8.45
30	m	ETHYL ACETATE	9.780	10.087	-3.1	100	0.00	8.25- 8.67
31	m	CHLOROFORM	4.536	4.810	-6.0	106	0.00	8.34- 8.76
32	m	1,1,1-TRICHLOROETHANE	4.569	4.670	-2.2	95	0.00	9.34- 9.75
33	m	CARBON TETRACHLORIDE	5.011	5.000	0.2	91	0.00	9.95-10.36
34	m	1,2-DICHLOROETHANE	3.659	3.777	-3.2	92	0.00	9.09- 9.50

Continuing Calibration Summary

Job Number: M65248R **Sample:** MSQ187-CC185
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3423.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	89	0.00	10.14-10.55
36	m	BENZENE	1.039	0.978	5.9	105	0.00	9.80-10.22
37	m	CYCLOHEXANE	0.348	0.351	-0.9	106	0.00	10.08-10.49
38	m	TRICHLOROETHYLENE	0.566	0.584	-3.2	109	0.00	10.89-11.20
39	m	1,2-DICHLOROPROPANE	0.495	0.473	4.4	102	0.00	10.61-11.03
40	m	BROMODICHLOROMETHANE	0.964	0.978	-1.5	101	0.00	10.86-11.17
41	m	2,2,4-TRIMETHYLPENTANE	2.427	2.434	-0.3	107	0.00	10.87-11.28
42	m	1,4-DIOXANE	0.189	0.185	2.1	104	0.00	10.78-11.30
43	m	HEPTANE	1.038	1.005	3.2	96	0.00	11.17-11.48
44	m	METHYL ISOBUTYL KETONE	1.492	1.463	1.9	96	0.00	11.70-12.13
45	m	cis-1,3-DICHLOROPROPEN	0.659	0.591	10.3	89	0.00	11.69-12.10
46	m	TOLUENE	0.687	0.689	-0.3	105	0.00	12.67-13.09
47	m	trans-1,3-DICHLOROPROP	0.566	0.590	-4.2	100	0.00	12.26-12.57
48	m	1,1,2-TRICHLOROETHANE	0.416	0.431	-3.6	114	0.00	12.41-12.78
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	82	0.00	14.54-14.85
50	m	2-HEXANONE	1.415	1.444	-2.0	92	0.00	12.91-13.31
			True	Calc.	% Drift			
51	m	TETRACHLOROETHYLENE	10.000	11.217	-12.2	90	0.00	13.83-14.24
			AvgRF	CCRF	% Dev			
52	m	DIBROMOCHLOROMETHANE	0.994	1.045	-5.1	100	0.00	13.13-13.50
53	m	1,2-DIBROMOETHANE	0.864	0.897	-3.8	103	0.00	13.41-13.72
54	m	CHLOROBENZENE	1.059	1.101	-4.0	105	0.00	14.58-14.89
55	m	ETHYLBENZENE	1.859	2.014	-8.3	103	0.00	14.94-15.30
56	m	m,p-XYLENE	0.683	0.751	-10.0	109	0.00	15.14-15.50
57	m	o-XYLENE	0.706	0.789	-11.8	113	0.00	15.65-16.01
58	m	STYRENE	0.884	0.989	-11.9	102	0.00	15.55-15.86
59	m	NONANE	1.878	2.113	-12.5	109	0.00	15.88-16.19
60	m	BROMOFORM	0.781	0.840	-7.6	101	0.00	15.27-15.58
61	S	4-BROMOFLUOROBENZENE	0.859	0.893	-4.0	83	0.00	16.18-16.49
62	m	1,1,2,2-TETRACHLOROETH	1.253	1.606	-28.2	131	0.00	15.66-15.97
63	m	ISOPROPYLBENZENE	2.051	2.171	-5.9	102	0.00	16.32-16.63
64	m	2-CHLOROTOLUENE	1.601	1.705	-6.5	99	0.00	16.82-17.24
65	m	4-ETHYLTOLUENE	1.804	2.141	-18.7	110	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	1.748	1.954	-11.8	105	0.00	17.18-17.43
67	m	1,2,4-TRIMETHYLBENZENE	1.656	1.836	-10.9	96	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	0.969	1.012	-4.4	94	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	1.127	1.385	-22.9	98	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	0.893	0.927	-3.8	89	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	0.867	0.868	-0.1	87	0.00	18.26-18.57
			True	Calc.	% Drift			
72	m	HEXACHLOROBUTADIENE	10.000	12.267	-22.7	103	0.00	20.61-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	13.403	-34.0#	127	0.00	20.11-20.53
			AvgRF	CCRF	% Dev			
74	m	NAPHTHALENE		NA				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3393.D Q051507T.m Thu May 17 15:05:04 2007 RPT1

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10722.D
Acq On : 21 Jun 2007 6:20 pm
Operator : danat
Sample : m65248-2r (m124)
Misc : MS13799, MSJ555,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 22 10:12:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 15 09:22:40 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	274341	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1082729	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	928386	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	269669	4.86	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 97.20%

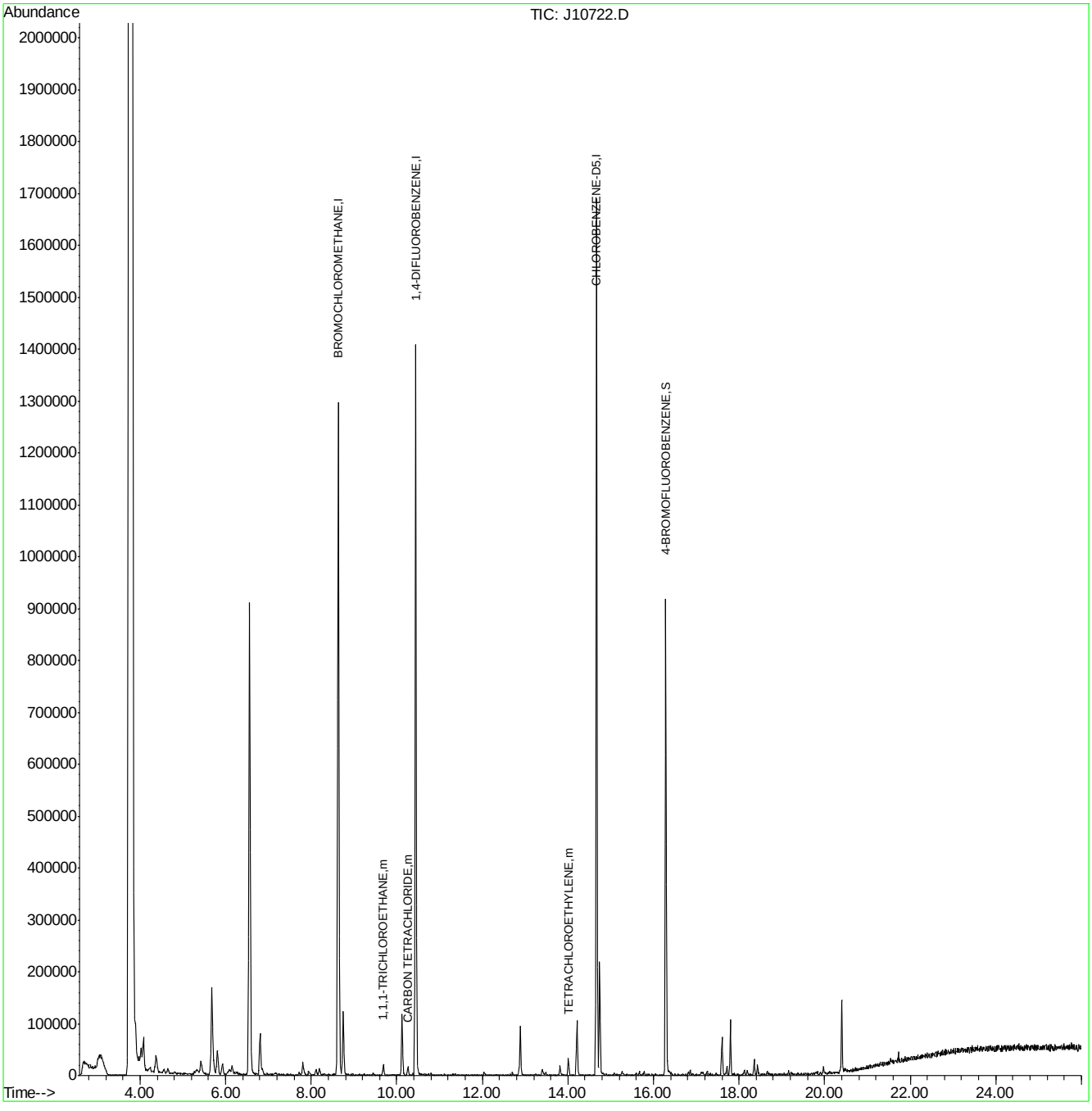
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.68	97	12866	0.15	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	9437	0.09	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	7766	0.17	PPBV	96

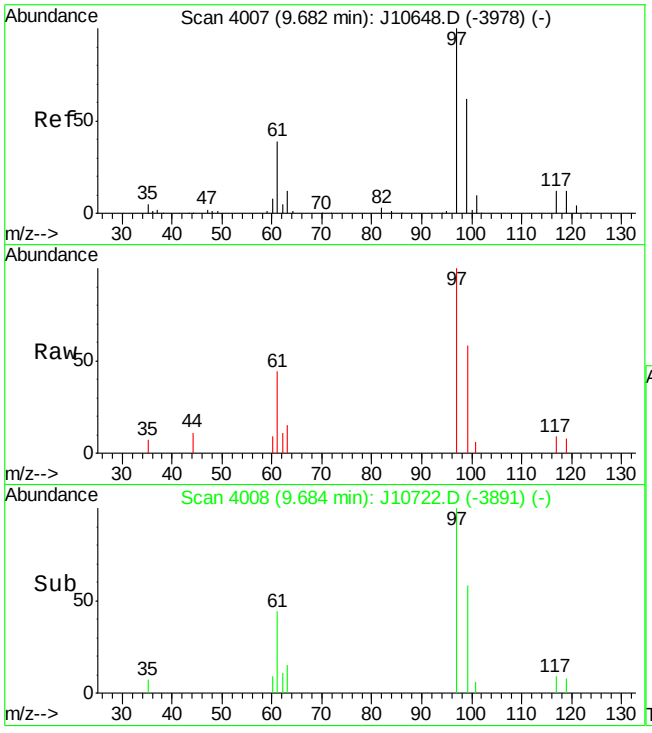
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10722.D
Acq On : 21 Jun 2007 6:20 pm
Operator : danat
Sample : m65248-2r (m124)
Misc : MS13799, MSJ555,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 22 10:12:27 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 15 09:22:40 2007
Response via : Initial Calibration

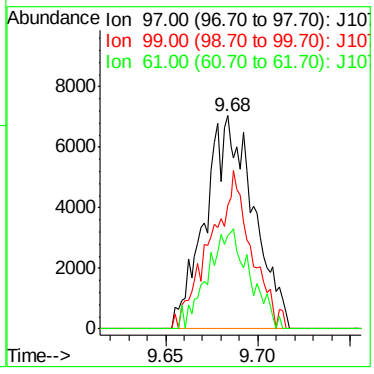


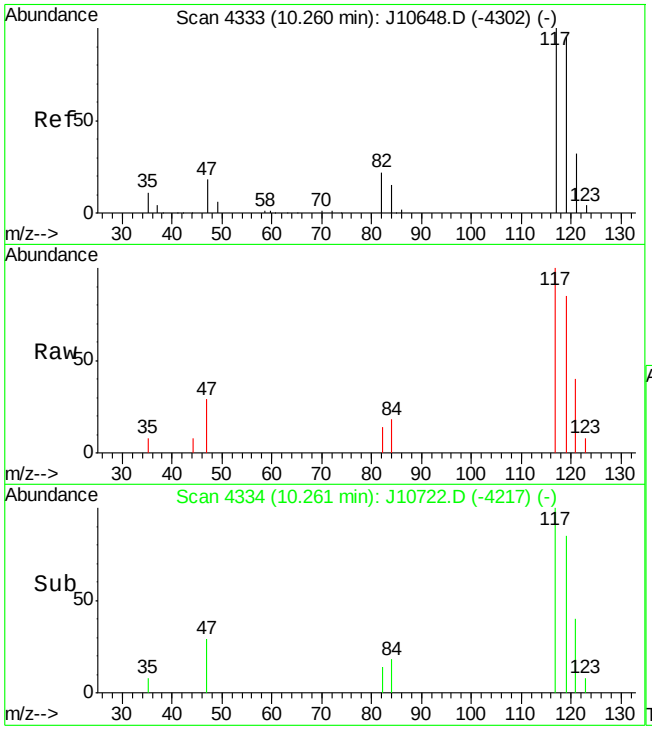


#32
1,1,1-TRICHLOROETHANE
Concen: 0.15 PPBV
RT: 9.68 min Scan# 4008
Delta R.T. 0.00 min
Lab File: J10722.D
Acq: 21 Jun 2007 6:20 pm

Tgt Ion: 97 Resp: 12866

Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.5	84.5
61	40.9	20.6	60.6

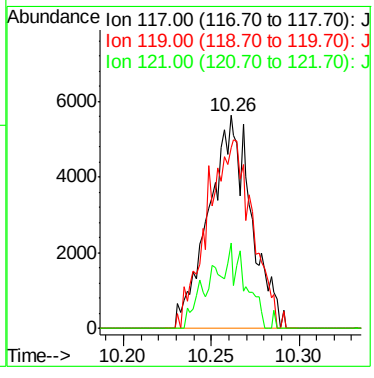


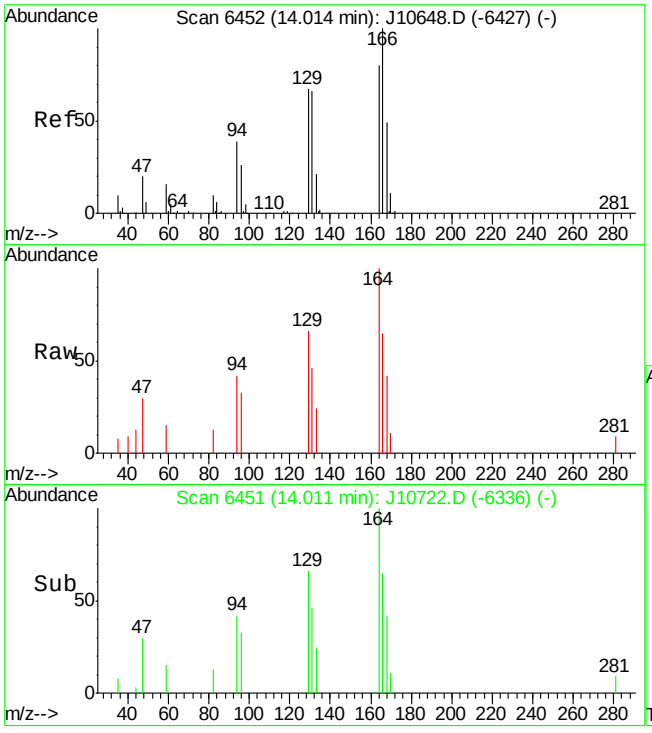


#33
CARBON TETRACHLORIDE
Concen: 0.09 PPBV
RT: 10.26 min Scan# 4334
Delta R.T. 0.00 min
Lab File: J10722.D
Acq: 21 Jun 2007 6:20 pm

Tgt Ion:117 Resp: 9437

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.5	116.5
121	32.4	11.0	51.0

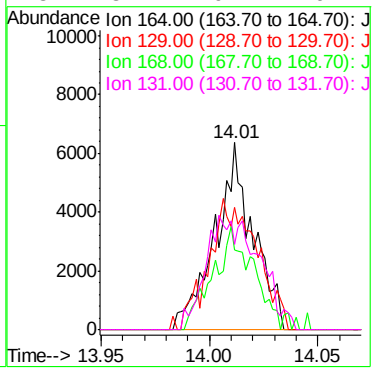




#51
TETRACHLOROETHYLENE
Concen: 0.17 PPBV
RT: 14.01 min Scan# 6451
Delta R.T. -0.00 min
Lab File: J10722.D
Acq: 21 Jun 2007 6:20 pm

Tgt Ion:164 Resp: 7766

Ion	Ratio	Lower	Upper
164	100		
129	88.1	65.6	105.6
168	57.4	42.7	82.7
131	84.4	62.1	102.1



ACCUTEST Laboratories M65248R

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10718.D
Acq On : 21 Jun 2007 2:16 pm
Operator : danat
Sample : mb (m171)
Misc : MS13762, MSJ555,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 10:03:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 15 09:22:40 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	348826	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1504208	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1321639	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	394786	5.00	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 100.00%

Target Compounds						Qvalue
12) ACETONE	5.71	43	117721	2.68	PPBV	95

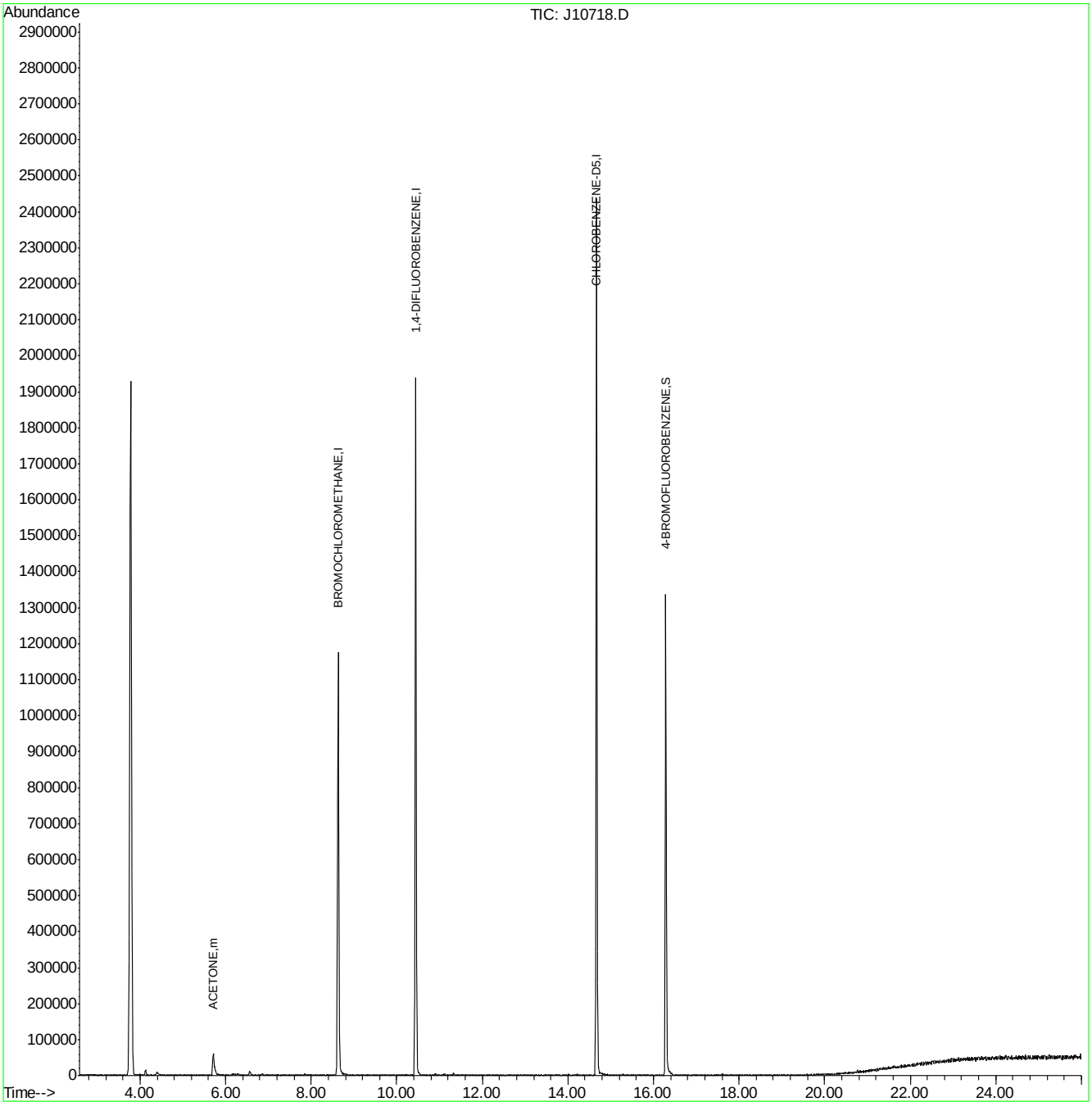
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10718.D
Acq On : 21 Jun 2007 2:16 pm
Operator : danat
Sample : mb (m171)
Misc : MS13762, MSJ555,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 10:03:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 15 09:22:40 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/22/07 16:23

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3427.D
Acq On : 17 May 2007 4:51 pm
Operator : PhilipB
Sample : MB (M123)
Misc : MS13593,MSQ187,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 17 17:26:11 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.422	128	79904	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.344	114	316945	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	269769	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	86408	3.73	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 74.60%

Target Compounds						Qvalue
12) ACETONE	5.201	43	12379m	0.30	PPBV	

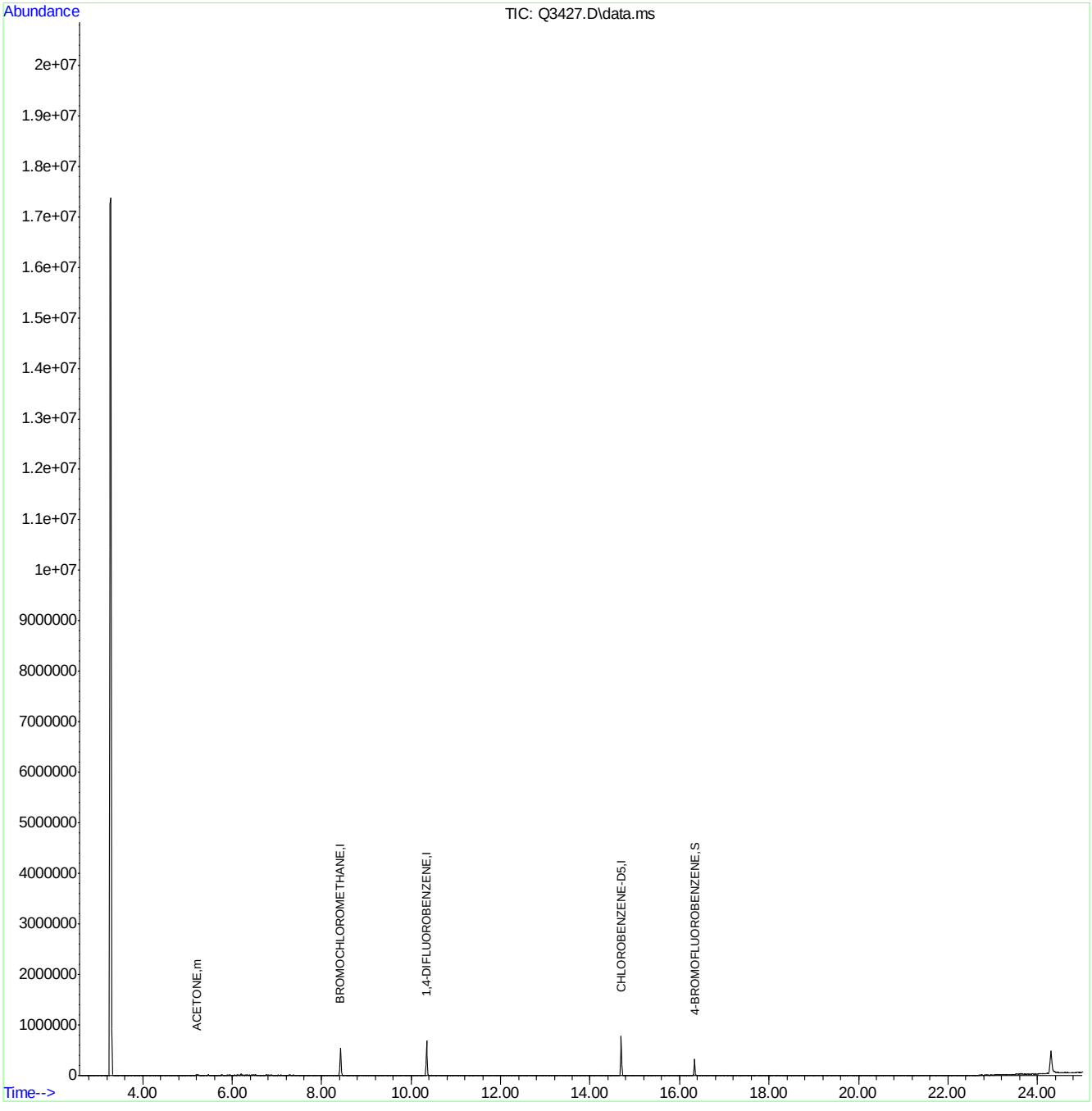
(#) = qualifier out of range (m) = manual integration (+) = signals summed

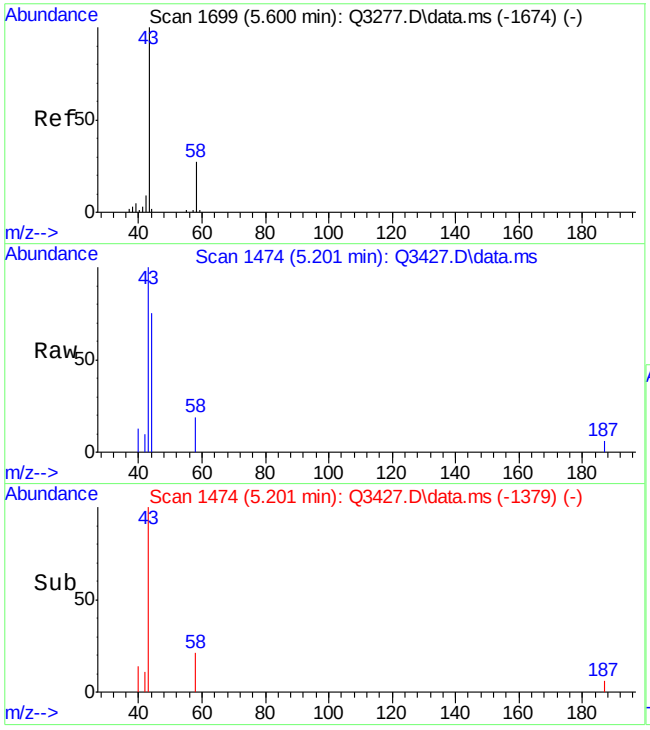
ACCUTEST Laboratories

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3427.D
Acq On : 17 May 2007 4:51 pm
Operator : PhilipB
Sample : MB (M123)
Misc : MS13593,MSQ187,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 17 17:26:11 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

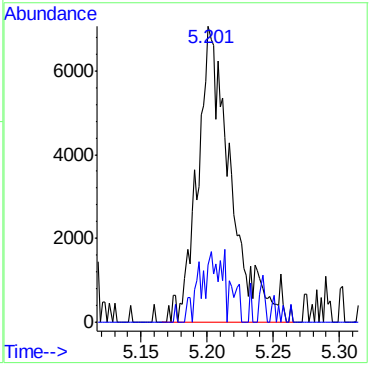




#12
ACETONE
Concen: 0.30 PPBV m
RT: 5.201 min Scan# 1474
Delta R.T. 0.013 min
Lab File: Q3427.D
Acq: 17 May 2007 4:51 pm

Tgt Ion: 43 Resp: 12379

Ion	Ratio	Lower	Upper
43	100		
58	0.4	0.0	20.3



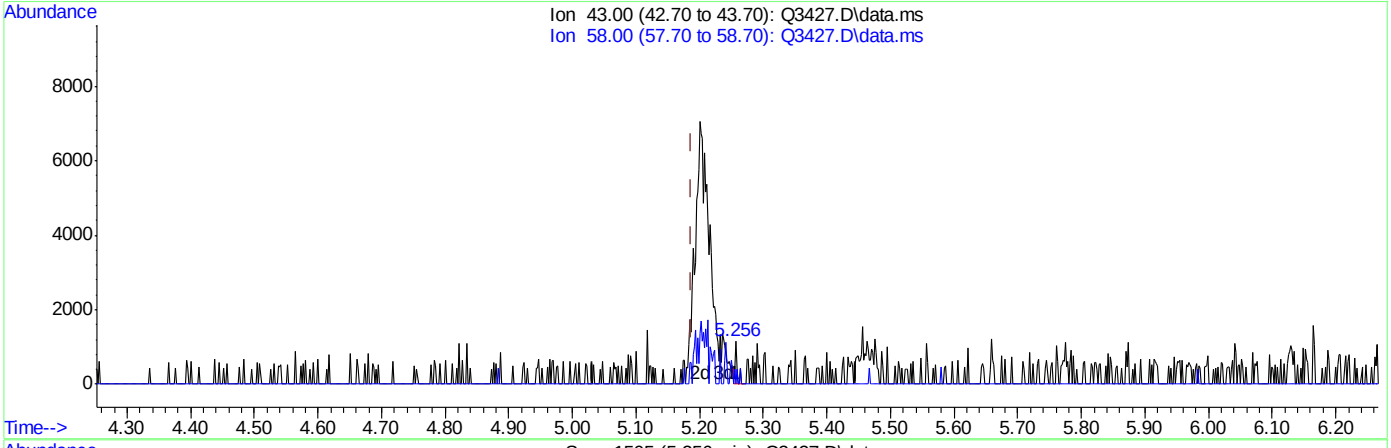
6.2.2

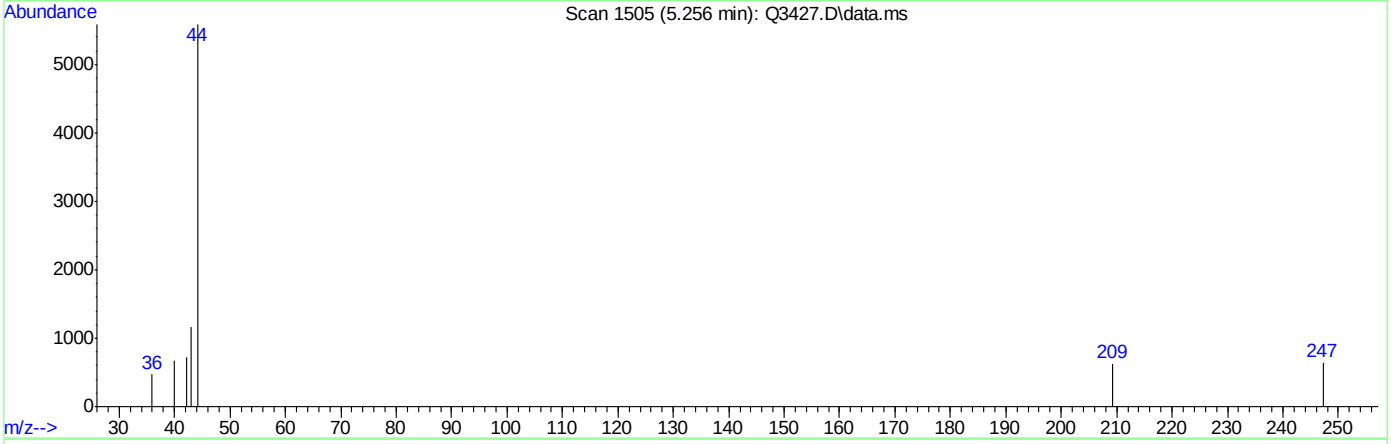
6

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3427.D
Acq On    : 17 May 2007   4:51 pm
Operator  : PhilipB
Sample    : MB (M123)
Misc      : MS13593,MSQ187,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 17 17:25:35 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration
```



TIC: Q3427.D\data.ms

(12) ACETONE (m)

5.256min (+0.068) 0.01PPBV

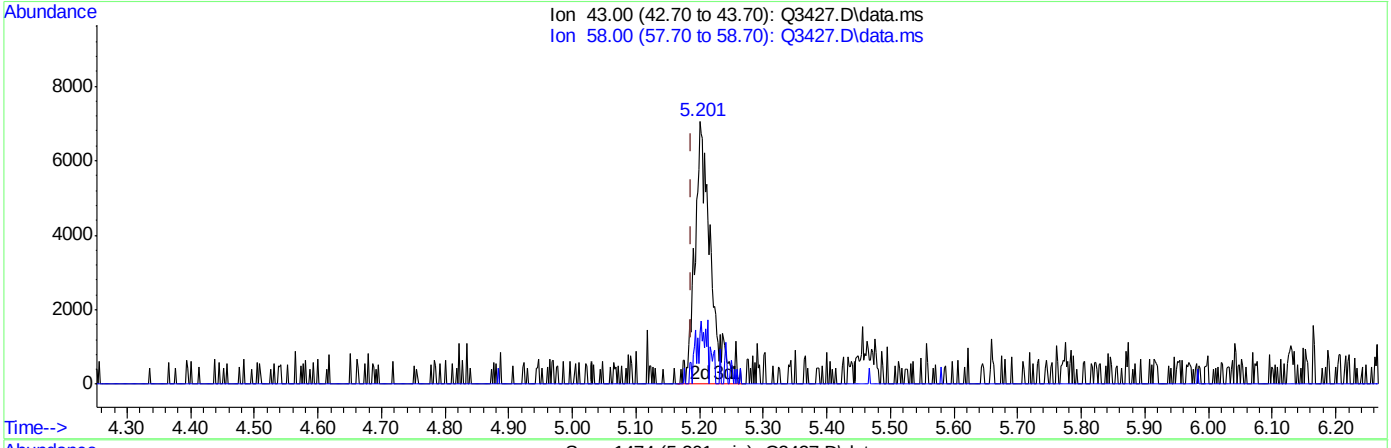
response 257

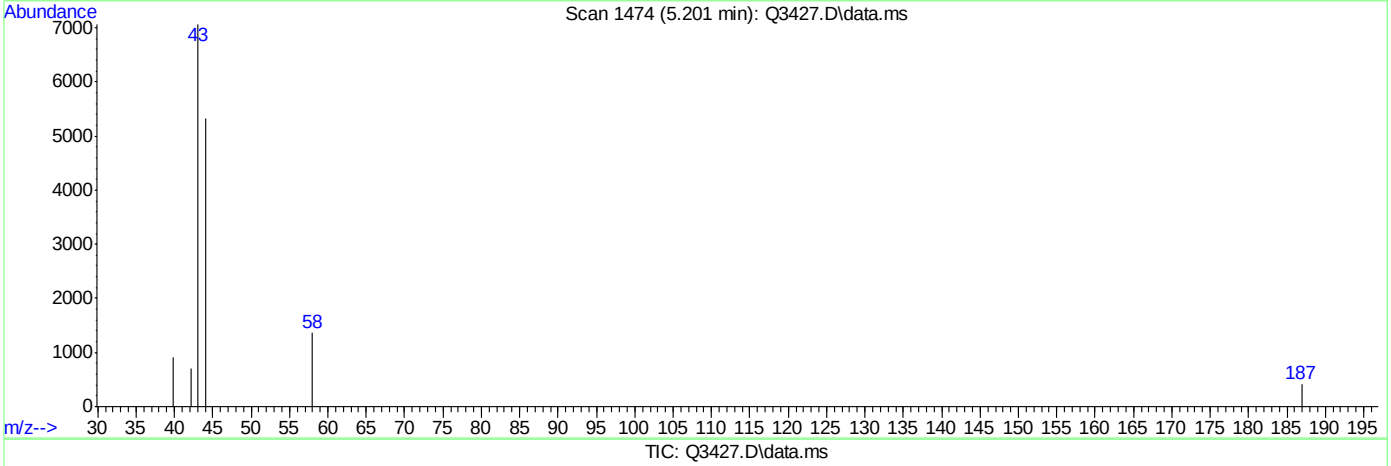
Ion	Exp%	Act%
43.00	100	100
58.00	0.30	18.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3427.D
Acq On    : 17 May 2007   4:51 pm
Operator  : PhilipB
Sample    : MB (M123)
Misc      : MS13593,MSQ187,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 17 17:25:35 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration
```



TIC: Q3427.D\data.ms

(12) ACETONE (m)

5.201min (+0.013) 0.30PPBV m

response 12379

Ion	Exp%	Act%
43.00	100	100
58.00	0.30	0.38
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10716A.D
Acq On : 21 Jun 2007 12:37 pm
Operator : danat
Sample : bs (m045)
Misc : MS13762, MSJ555,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 21 13:06:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 15 09:22:40 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	310271	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1254436	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1130075	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	400144	5.92	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 118.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1303075	9.98	PPBV	99
3) PROPYLENE	4.00	41	210209	10.78	PPBV	97
4) FREON 114	4.33	85	1154986	9.80	PPBV	98
5) CHLOROMETHANE	4.24	50	284249	9.85	PPBV	97
6) VINYL CHLORIDE	4.46	62	340484	10.38	PPBV	99
7) 1,3-BUTADIENE	4.59	39	252642	11.68	PPBV	96
8) BROMOMETHANE	4.87	94	386187	9.60	PPBV	99
9) CHLOROETHANE	5.04	64	163043	10.35	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.80	101	1374111	10.32	PPBV	100
11) ISOPROPYL ALCOHOL	5.98	45	187161	4.75	PPBV	96
12) ACETONE	5.67	43	367769	9.40	PPBV	97
13) PENTANE	6.14	42	303637	10.87	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	362854	9.55	PPBV	90
15) CARBON DISULFIDE	6.85	76	1041016	9.26	PPBV	97
16) ETHANOL	5.24	45	26338	3.61	PPBV	93
17) BROMOETHENE	5.39	106	385938	10.25	PPBV	98
18) METHYLENE CHLORIDE	6.55	84	330446	9.42	PPBV	95
19) 3-CHLOROPROPENE	6.66	39	318481	12.60	PPBV	91
20) FREON 113	6.80	151	803969	9.07	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	363594	9.92	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.58	59	265333	5.50	PPBV #	79
23) METHYL TERTIARY BUTYL ETHE	7.74	73	717776	11.18	PPBV	98
24) TETRAHYDROFURAN	9.19	42	201932	10.13	PPBV	96
25) HEXANE	8.64	57	391396	9.56	PPBV	95
26) VINYL ACETATE	7.81	43	449969	10.88	PPBV	97
27) 1,1-DICHLOROETHANE	7.66	63	629360	10.50	PPBV	100
28) METHYL ETHYL KETONE	8.09	43	374038	9.45	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.47	96	361046	10.32	PPBV	95
30) ETHYL ACETATE	8.70	43	423291	9.88	PPBV	100
31) CHLOROFORM	8.75	83	854570	10.46	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.69	97	1027767	10.65	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1225010	10.41	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	502152	11.11	PPBV	99
36) BENZENE	10.13	78	887491	10.52	PPBV	99
37) CYCLOHEXANE	10.37	84	425413	11.24	PPBV	98
38) TRICHLOROETHYLENE	11.12	95	450077	10.32	PPBV	97
39) 1,2-DICHLOROPROPANE	10.91	63	292458	10.77	PPBV	98
40) BROMODICHLOROMETHANE	11.10	83	751102	9.90	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	1494864	12.15	PPBV	99
42) 1,4-DIOXANE	11.21	88	61302	3.52	PPBV	96
43) HEPTANE	11.36	43	450600	11.99	PPBV	95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10716A.D
Acq On : 21 Jun 2007 12:37 pm
Operator : danat
Sample : bs (m045)
Misc : MS13762, MSJ555,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 21 13:06:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 15 09:22:40 2007
Response via : Initial Calibration

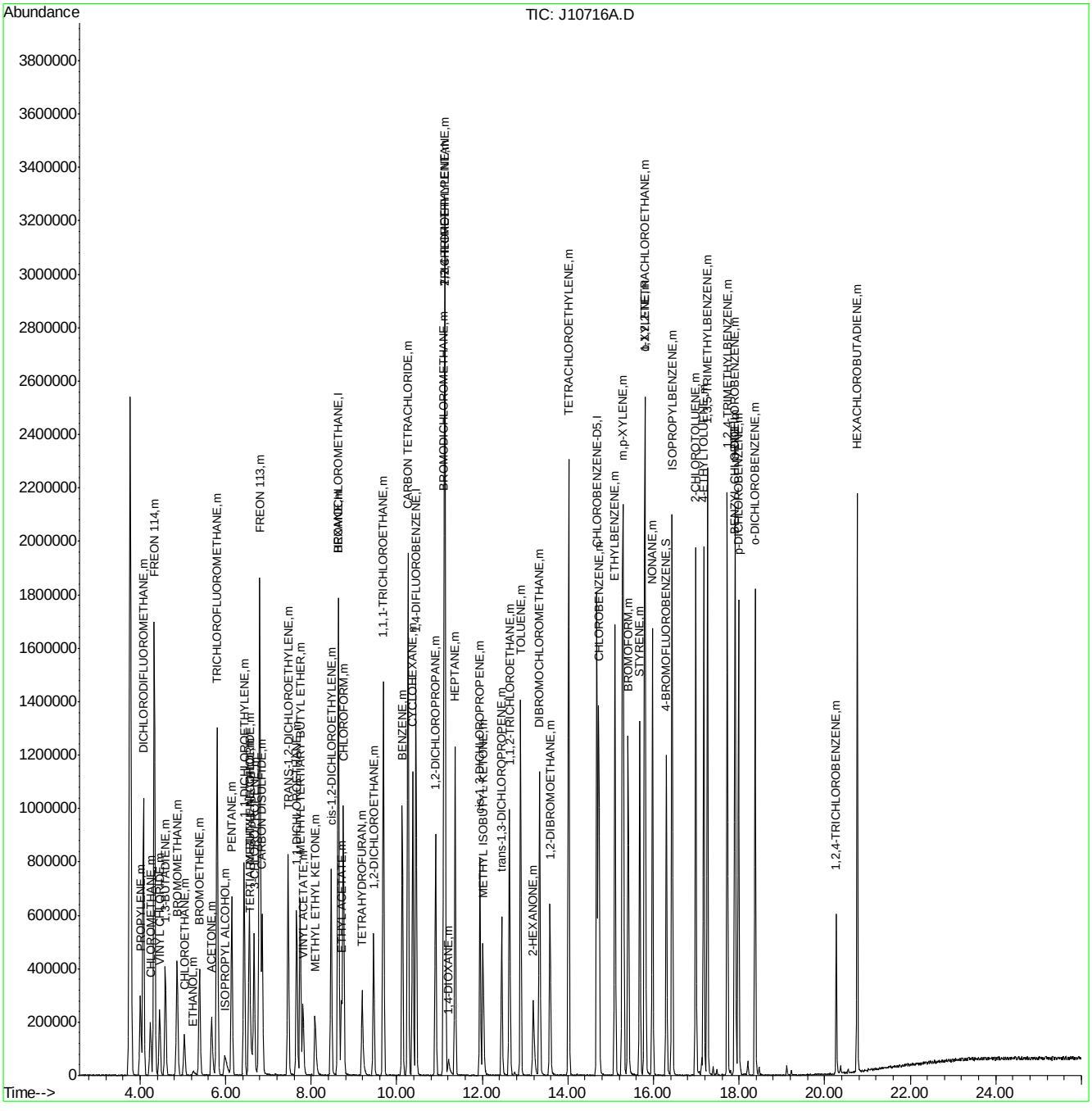
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	410652	9.25	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.94	75	419947	11.24	PPBV	95
46) TOLUENE	12.89	92	602511	11.72	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	343707	9.95	PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.63	83	287247	9.93	PPBV	98
50) 2-HEXANONE	13.19	43	288548	7.47	PPBV	97
51) TETRACHLOROETHYLENE	14.02	164	534401	9.72	PPBV	98
52) DIBROMOCHLOROMETHANE	13.33	129	744340	9.49	PPBV	100
53) 1,2-DIBROMOETHANE	13.58	107	522378	9.66	PPBV	100
54) CHLOROBENZENE	14.72	112	830241	9.39	PPBV	98
55) ETHYLBENZENE	15.10	91	1291537	11.34	PPBV	99
56) m,p-XYLENE	15.29	106	1059966	22.62	PPBV	97
57) o-XYLENE	15.79	106	537629	11.46	PPBV	97
58) STYRENE	15.68	104	714580	11.33	PPBV	99
59) NONANE	15.98	43	583835	10.78	PPBV	98
60) BROMOFORM	15.41	173	729332	9.56	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	666291	9.49	PPBV	99
63) ISOPROPYLBENZENE	16.44	105	1561886	11.61	PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	1086501	11.75	PPBV	98
65) 4-ETHYLTOLUENE	17.18	105	1273427	11.00	PPBV	97
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1253028	10.81	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1146521	11.56	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	806124	9.33	PPBV	98
69) BENZYL CHLORIDE	17.89	91	519026	9.52	PPBV	98
70) p-DICHLOROBENZENE	17.99	146	731546	9.09	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	713910	9.41	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	373415	8.13	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	166211	6.57	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10716A.D
Acq On : 21 Jun 2007 12:37 pm
Operator : danat
Sample : bs (m045)
Misc : MS13762, MSJ555,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 21 13:06:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 15 09:22:40 2007
Response via : Initial Calibration



J061407T.M Fri Jun 22 11:50:11 2007 Page: 3

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/22/07 16:23

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3423A.D
Acq On : 17 May 2007 1:49 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13593, MSQ187,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 17 15:07:50 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.419	128	84278	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.343	114	417107	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	350656	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	156485	5.19	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 103.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.590	85	679912	9.66	PPBV	84
3) PROPYLENE	3.519	41	181918	7.30	PPBV	88
4) FREON 114	3.856	85	715821	10.02	PPBV #	100
5) CHLOROMETHANE	3.755	50	284776	9.07	PPBV	96
6) VINYL CHLORIDE	3.978	62	246510	9.48	PPBV	72
7) 1,3-BUTADIENE	4.117	39	240811	9.07	PPBV #	100
8) BROMOMETHANE	4.394	94	230451	11.22	PPBV #	100
9) CHLOROETHANE	4.567	64	110538	10.02	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.384	101	812227	10.49	PPBV #	100
11) ISOPROPYL ALCOHOL	5.437	45	500680	10.13	PPBV	99
12) ACETONE	5.183	43	507015	11.53	PPBV #	75
13) PENTANE	5.764	42	304508	12.71	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.067	96	212659	10.30	PPBV #	7
15) CARBON DISULFIDE	6.520	76	578489	11.55	PPBV #	60
16) ETHANOL	4.665	45	95339	9.42	PPBV #	100
17) BROMOETHENE	4.940	106	215974	10.70	PPBV #	100
18) METHYLENE CHLORIDE	6.193	84	187157	12.18	PPBV #	1
19) 3-CHLOROPROPENE	6.317	39	234354	14.03	PPBV #	1
20) FREON 113	6.465	151	402418	11.04	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.176	96	202507	11.32	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.083	59	461059	10.46	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.443	73	434084	10.54	PPBV #	100
24) TETRAHYDROFURAN	8.955	42	235433	9.27	PPBV #	100
25) HEXANE	8.452	57	278408	10.04	PPBV #	100
26) VINYL ACETATE	7.531	43	576575	12.65	PPBV	82
27) 1,1-DICHLOROETHANE	7.389	63	460448	12.75	PPBV #	100
28) METHYL ETHYL KETONE	7.790	43	520515	10.32	PPBV	92
29) cis-1,2-DICHLOROETHYLENE	8.248	96	129709	9.54	PPBV #	100
30) ETHYL ACETATE	8.460	43	850126	10.31	PPBV	100
31) CHLOROFORM	8.550	83	405375	10.60	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.548	97	393583	10.22	PPBV	88
33) CARBON TETRACHLORIDE	10.156	117	421394	9.98	PPBV	94
34) 1,2-DICHLOROETHANE	9.296	62	318308	10.32	PPBV	99
36) BENZENE	10.011	78	407923	9.41	PPBV	91
37) CYCLOHEXANE	10.282	84	146232	10.07	PPBV #	37
38) TRICHLOROETHYLENE	11.049	95	243734	10.32	PPBV #	82
39) 1,2-DICHLOROPROPANE	10.820	63	197352	9.56	PPBV #	62
40) BROMODICHLOROMETHANE	11.012	83	407952	10.14	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.072	57	1015370	10.03	PPBV #	91
42) 1,4-DIOXANE	11.038	88	77292	9.82	PPBV #	34
43) HEPTANE	11.324	43	419100	9.68	PPBV #	78

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3423A.D
Acq On : 17 May 2007 1:49 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13593, MSQ187,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 17 15:07:50 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

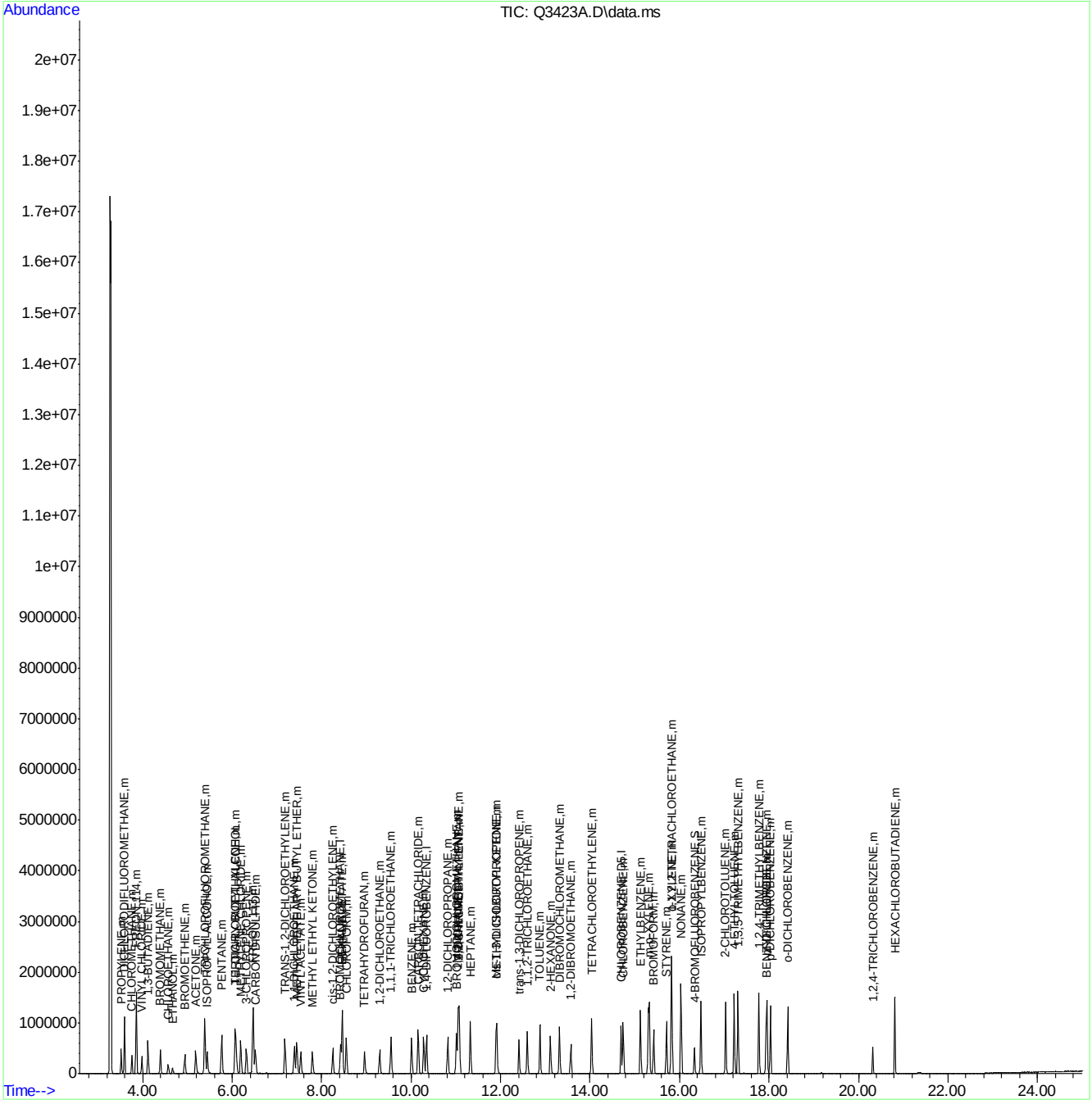
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.915	43	610353	9.81	PPBV		93
45) cis-1,3-DICHLOROPROPENE	11.896	75	246594	8.97	PPBV		91
46) TOLUENE	12.881	92	287268	10.02	PPBV		95
47) trans-1,3-DICHLOROPROPENE	12.410	75	246031	10.42	PPBV	#	100
48) 1,1,2-TRICHLOROETHANE	12.595	83	179710	10.35	PPBV		90
50) 2-HEXANONE	13.113	43	506286	10.20	PPBV		96
51) TETRACHLOROETHYLENE	14.034	164	135236	11.22	PPBV	#	78
52) DIBROMOCHLOROMETHANE	13.315	129	366484	10.51	PPBV		99
53) 1,2-DIBROMOETHANE	13.567	107	314540	10.38	PPBV		97
54) CHLOROBENZENE	14.739	112	386039	10.40	PPBV		88
55) ETHYLBENZENE	15.124	91	706267	10.83	PPBV		94
56) m,p-XYLENE	15.324	106	526671m	21.98	PPBV		
57) o-XYLENE	15.827	106	276533	11.16	PPBV		89
58) STYRENE	15.706	104	346909	11.19	PPBV		99
59) NONANE	16.033	43	741074	11.25	PPBV		83
60) BROMOFORM	15.422	173	294498	10.75	PPBV		97
62) 1,1,2,2-TETRACHLOROETHANE	15.816	83	563050	12.82	PPBV		95
63) ISOPROPYLBENZENE	16.478	105	761375	10.59	PPBV		95
64) 2-CHLOROTOLUENE	17.030	91	597947	10.65	PPBV		89
65) 4-ETHYLTOLUENE	17.222	105	750658	11.87	PPBV		92
66) 1,3,5-TRIMETHYLBENZENE	17.305	105	685064	11.18	PPBV		92
67) 1,2,4-TRIMETHYLBENZENE	17.774	105	643904	11.09	PPBV		92
68) m-DICHLOROBENZENE	17.956	146	354872	10.45	PPBV		95
69) BENZYL CHLORIDE	17.933	91	485782	12.30	PPBV		90
70) p-DICHLOROBENZENE	18.031	146	325177	10.39	PPBV		93
71) o-DICHLOROBENZENE	18.418	146	304283	10.01	PPBV		91
72) HEXACHLOROBUTADIENE	20.812	225	112794	12.27	PPBV		97
73) 1,2,4-TRICHLOROBENZENE	20.320	180	74430	13.40	PPBV		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3423A.D
Acq On : 17 May 2007 1:49 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13593, MSQ187,,,,,1
ALS Vial : 1 Sample Multiplier: 1

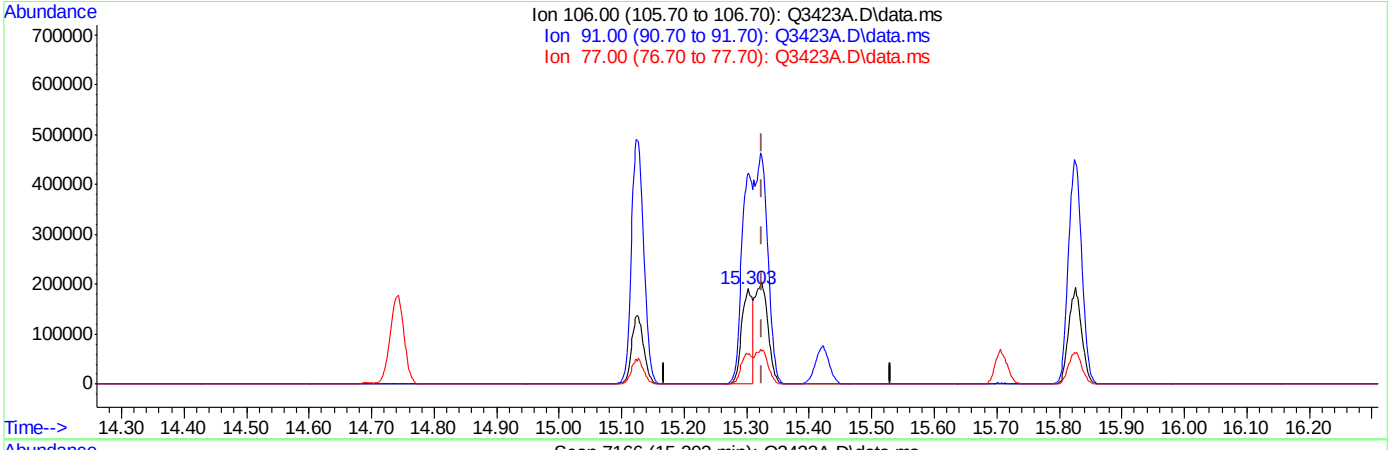
Quant Time: May 17 15:07:50 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

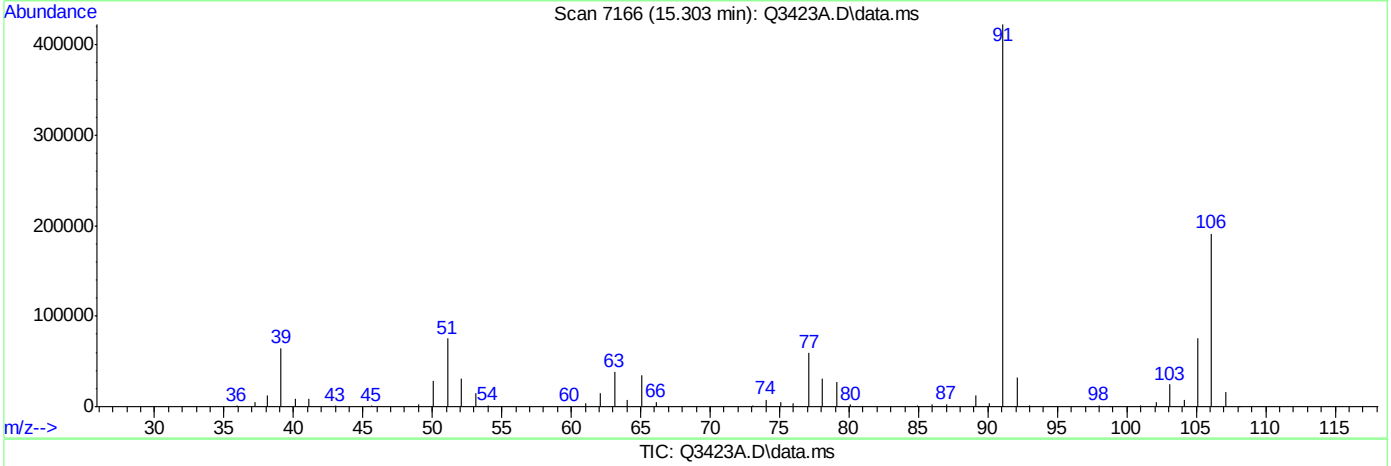


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3423A.D
Acq On : 17 May 2007 1:49 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13593, MSQ187,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 17 15:07:34 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3423A.D\data.ms

(56) m,p-XYLENE (m)

15.303min (-0.021) 9.65PPBV

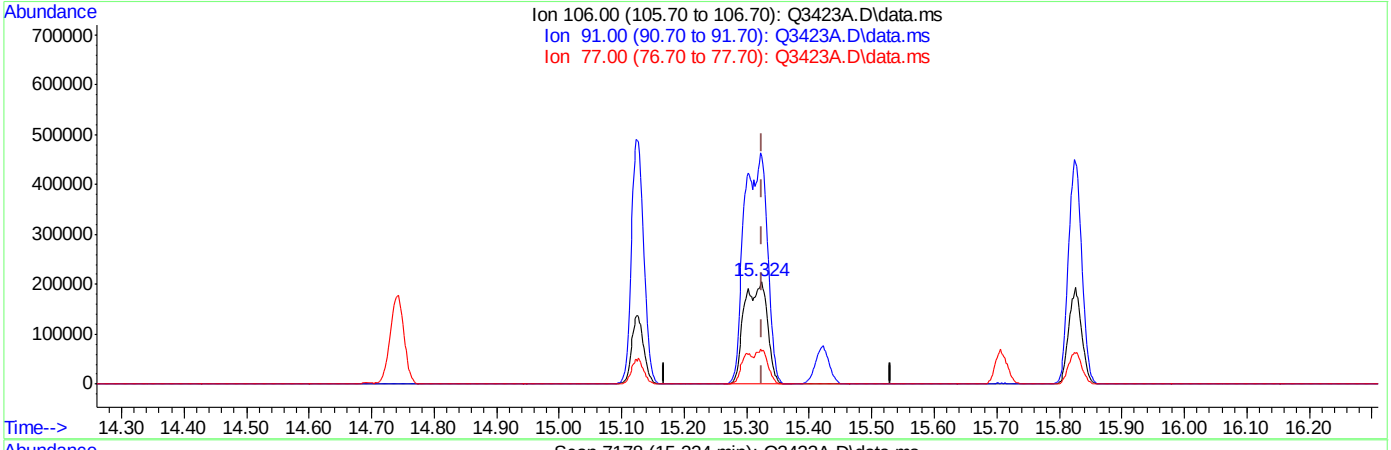
response 231344

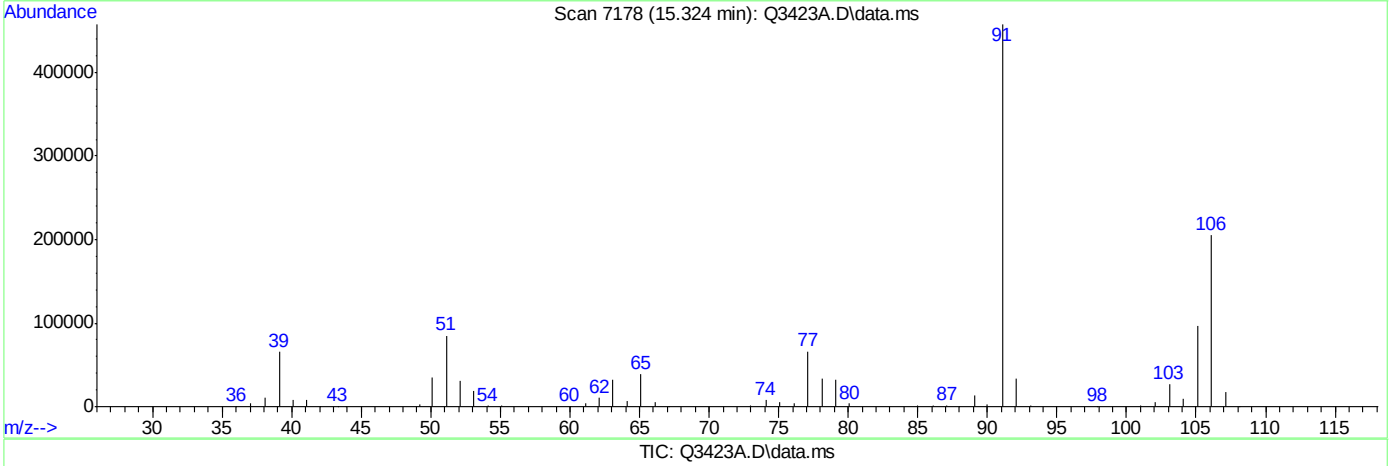
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	221.40
77.00	30.60	31.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3423A.D
Acq On : 17 May 2007 1:49 pm
Operator : PhilipB
Sample : BS (M068)
Misc : MS13593, MSQ187,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 17 15:07:34 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3423A.D\data.ms

(56) m,p-XYLENE (m)

15.324min (+0.000) 21.98PPBV m

response 526671

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	222.85
77.00	30.60	32.36
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
06/22/07 14:27

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10721.D
Acq On : 21 Jun 2007 5:33 pm
Operator : danat
Sample : m65230-1rdup (m025)
Misc : MS13799, MSJ555,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 22 10:39:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 15 09:22:40 2007
Response via : Initial Calibration

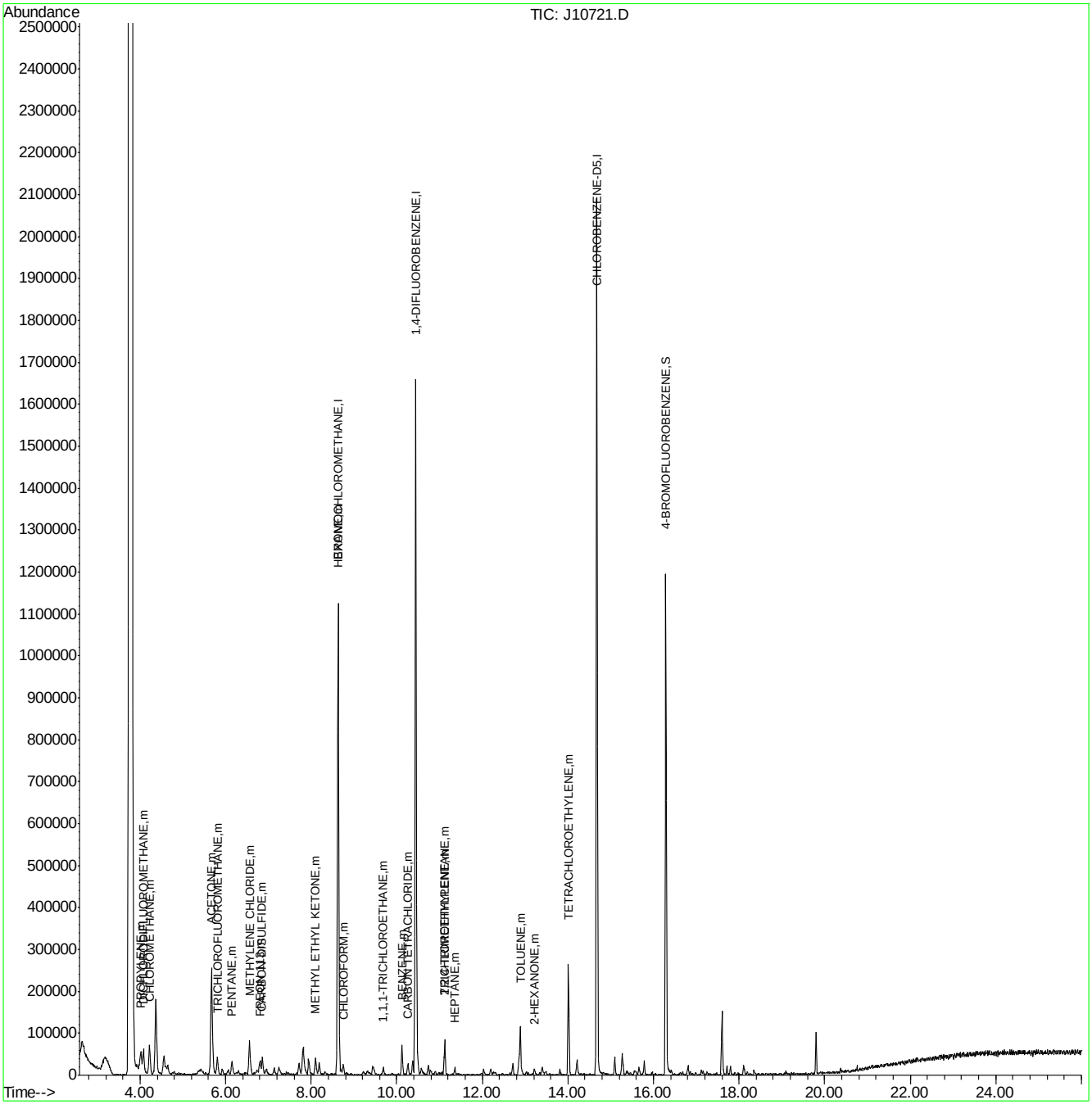
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	333514	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1373499	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1204255	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	354582	4.92	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 98.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.08	85	71637	0.51	PPBV	99
3) PROPYLENE	4.00	41	30912	1.48	PPBV	80
5) CHLOROMETHANE	4.23	50	7792	0.25	PPBV	67
10) TRICHLOROFLUOROMETHANE	5.81	101	39950	0.28	PPBV	98
12) ACETONE	5.67	43	332439	7.90	PPBV	99
13) PENTANE	6.15	42	14381	0.48	PPBV	96
15) CARBON DISULFIDE	6.86	76	68595	0.57	PPBV	98
18) METHYLENE CHLORIDE	6.56	84	40055	0.65	PPBV	96
20) FREON 113	6.80	151	12112	0.13	PPBV	97
25) HEXANE	8.64	57	24782	0.56	PPBV	88
28) METHYL ETHYL KETONE	8.10	43	58969	1.39	PPBV	87
31) CHLOROFORM	8.75	83	14461	0.16	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.69	97	9867	0.10	PPBV	98
33) CARBON TETRACHLORIDE	10.26	117	15302	0.12	PPBV	99
36) BENZENE	10.12	78	55888	0.61	PPBV	99
38) TRICHLOROETHYLENE	11.11	95	6346	0.13	PPBV #	89
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	35354	0.26	PPBV	88
43) HEPTANE	11.36	43	5285	0.13	PPBV	85
46) TOLUENE	12.88	92	46892	0.83	PPBV	98
50) 2-HEXANONE	13.21	43	7514m	0.18	PPBV	
51) TETRACHLOROETHYLENE	14.01	164	59896	1.02	PPBV	99

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

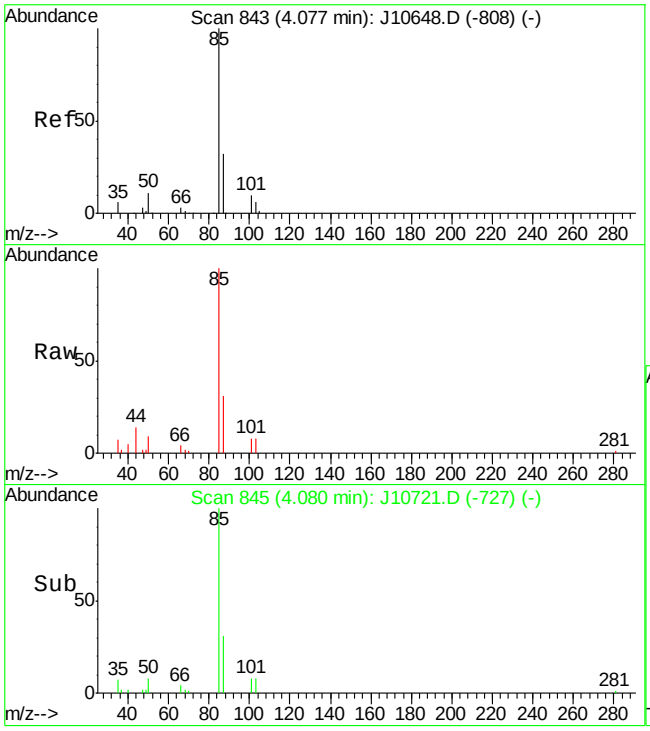
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10721.D
Acq On : 21 Jun 2007 5:33 pm
Operator : danat
Sample : m65230-1rdup (m025)
Misc : MS13799, MSJ555,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 22 10:39:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 15 09:22:40 2007
Response via : Initial Calibration



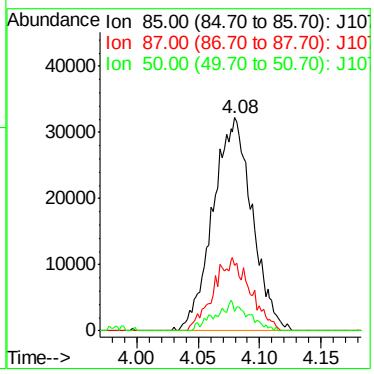
ACCUTEST Laboratories M65248R

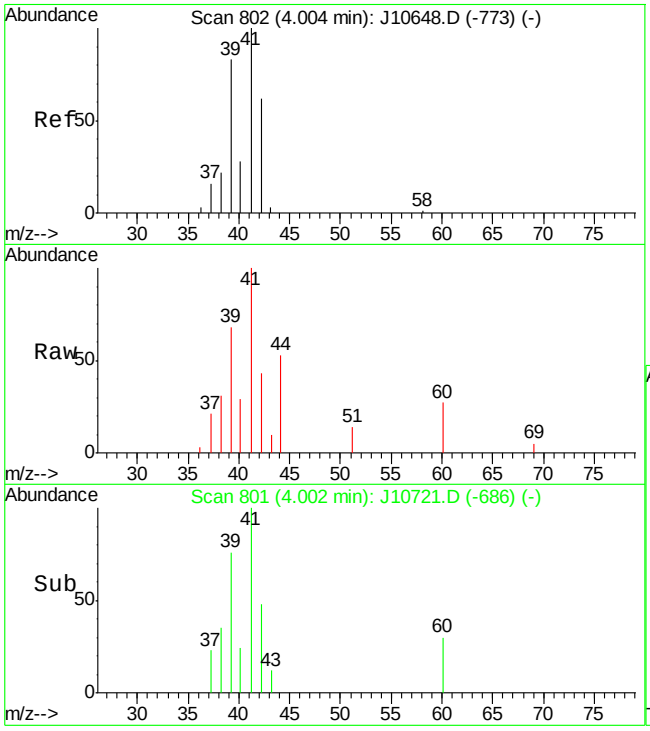


#2
DICHLORODIFLUOROMETHANE
Concen: 0.51 PPBV
RT: 4.08 min Scan# 845
Delta R.T. 0.00 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion: 85 Resp: 71637

Ion	Ratio	Lower	Upper
85	100		
87	32.2	12.7	52.7
50	11.6	0.0	31.1

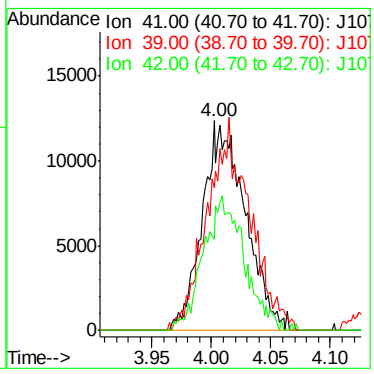


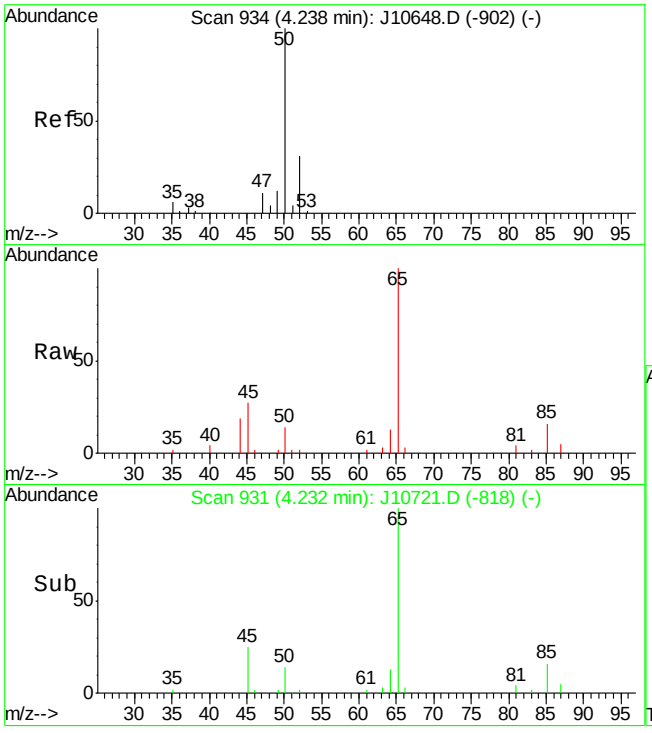


#3
PROPYLENE
Concen: 1.48 PPBV
RT: 4.00 min Scan# 801
Delta R.T. -0.00 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion: 41 Resp: 30912

Ion	Ratio	Lower	Upper
41	100		
39	68.2	62.8	102.8
42	43.4	42.4	82.4

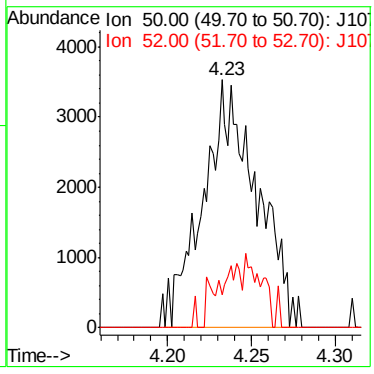


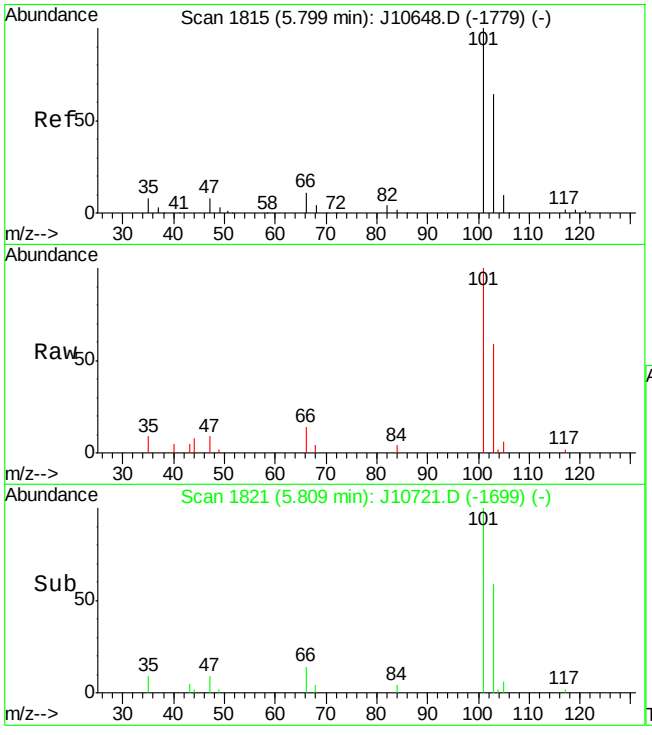


#5
CHLOROMETHANE
Concen: 0.25 PPBV
RT: 4.23 min Scan# 931
Delta R.T. -0.01 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion: 50 Resp: 7792

Ion	Ratio	Lower	Upper
50	100		
52	13.5	11.8	51.8

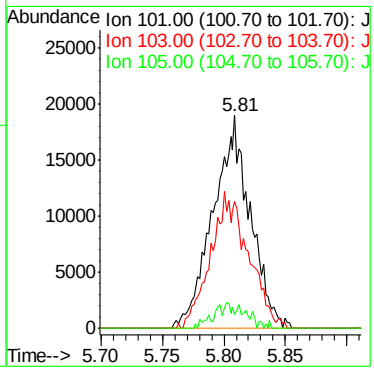


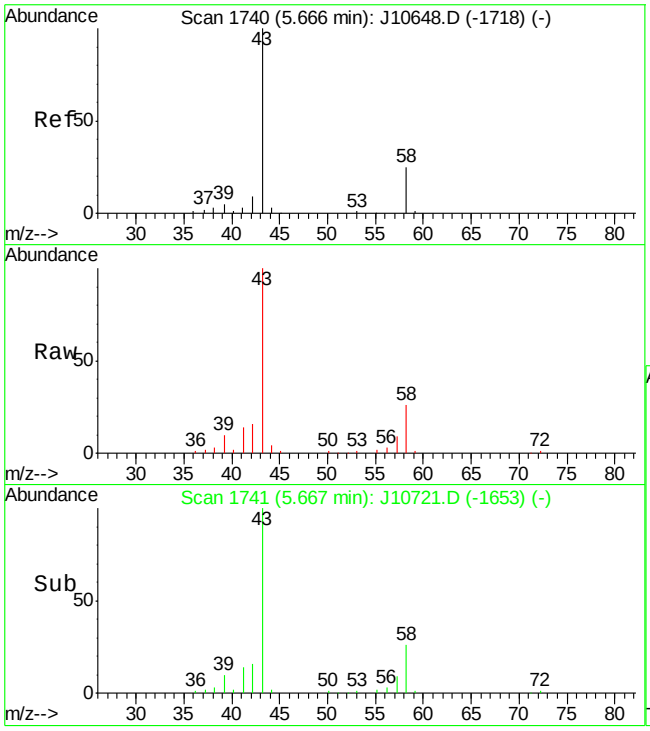


#10
TRICHLOROFLUOROMETHANE
Concen: 0.28 PPBV
RT: 5.81 min Scan# 1821
Delta R.T. 0.01 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion:101 Resp: 39950

Ion	Ratio	Lower	Upper
101	100		
103	65.3	44.8	84.8
105	6.2	0.0	30.5

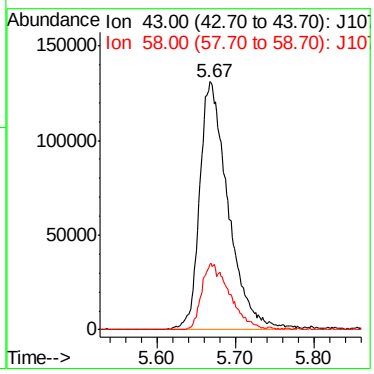


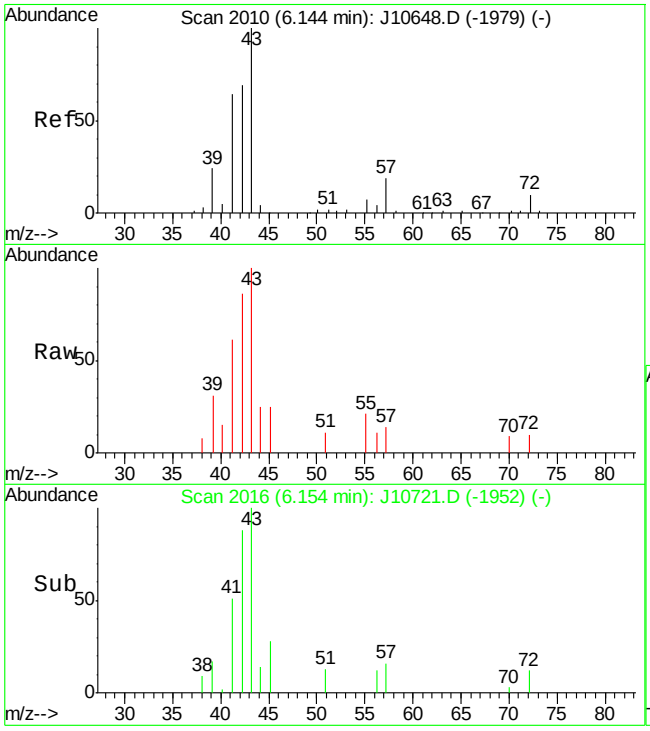


#12
ACETONE
Concen: 7.90 PPBV
RT: 5.67 min Scan# 1741
Delta R.T. 0.00 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion: 43 Resp: 332439

Ion	Ratio	Lower	Upper
43	100		
58	26.4	6.9	46.9

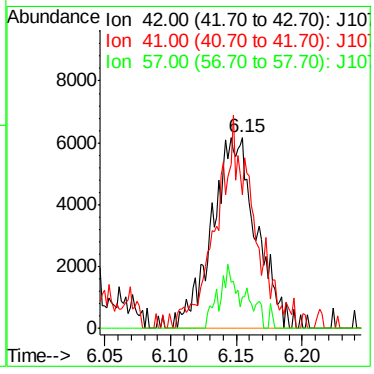


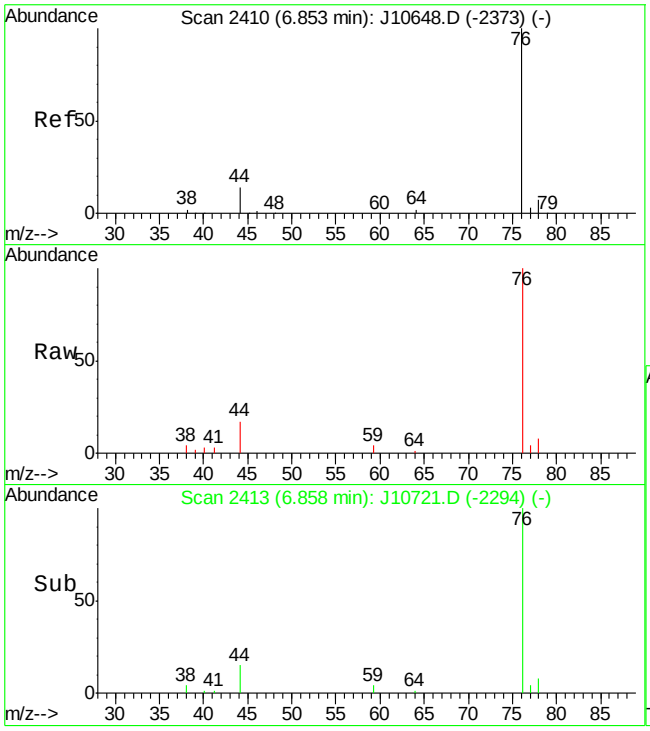


#13
PENTANE
Concen: 0.48 PPBV
RT: 6.15 min Scan# 2016
Delta R.T. 0.01 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion: 42 Resp: 14381

Ion	Ratio	Lower	Upper
42	100		
41	94.7	75.9	115.9
57	18.4	5.6	45.6

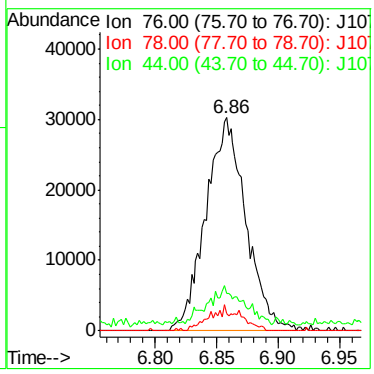


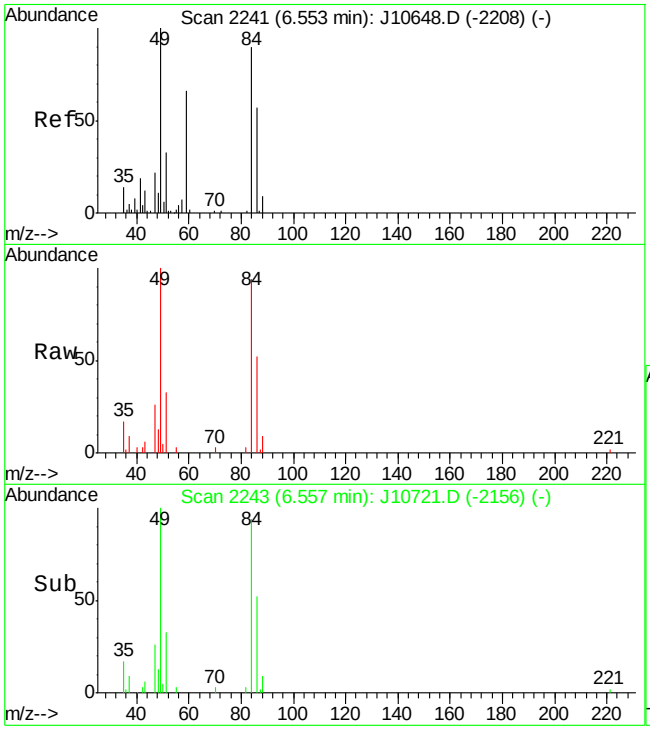


#15
CARBON DISULFIDE
Concen: 0.57 PPBV
RT: 6.86 min Scan# 2413
Delta R.T. 0.00 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion: 76 Resp: 68595

Ion	Ratio	Lower	Upper
76	100		
78	9.0	0.0	29.3
44	14.3	0.0	33.5

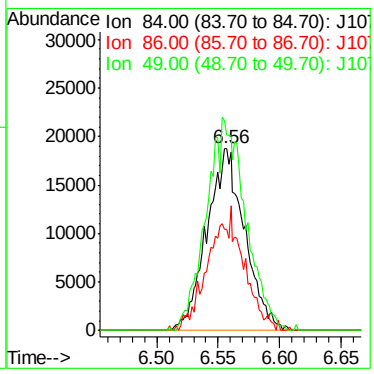


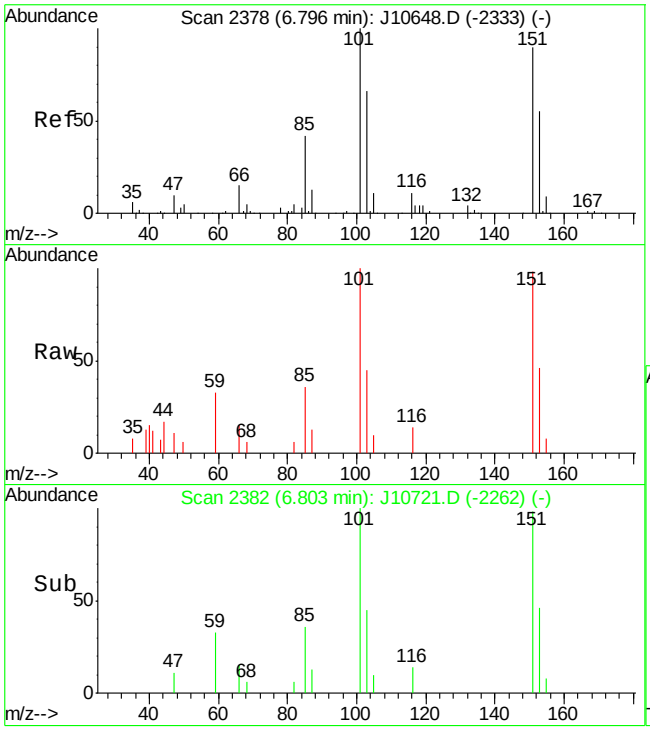


#18
METHYLENE CHLORIDE
Concen: 0.65 PPBV
RT: 6.56 min Scan# 2243
Delta R.T. 0.00 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion: 84 Resp: 40055

Ion	Ratio	Lower	Upper
84	100		
86	63.4	45.7	85.7
49	122.3	0.0	316.4

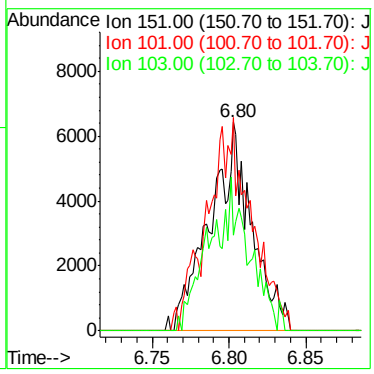


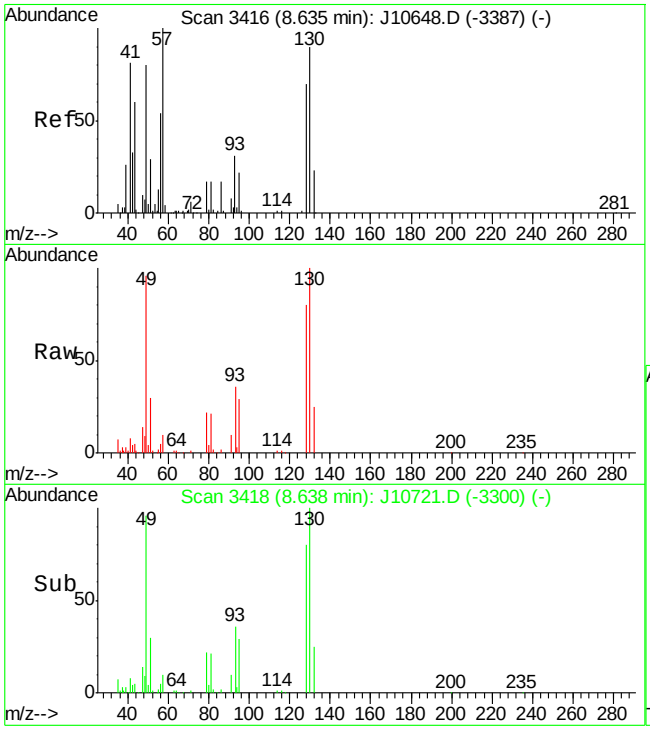


#20
FREON 113
Concen: 0.13 PPBV
RT: 6.80 min Scan# 2382
Delta R.T. 0.01 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion:151 Resp: 12112

Ion	Ratio	Lower	Upper
151	100		
101	107.3	91.0	131.0
103	69.5	52.0	92.0

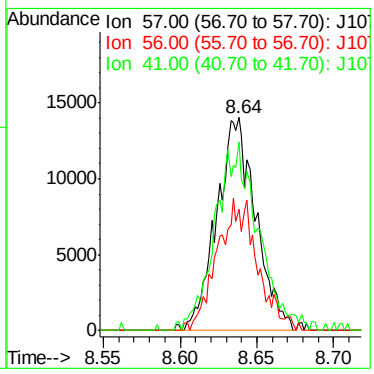


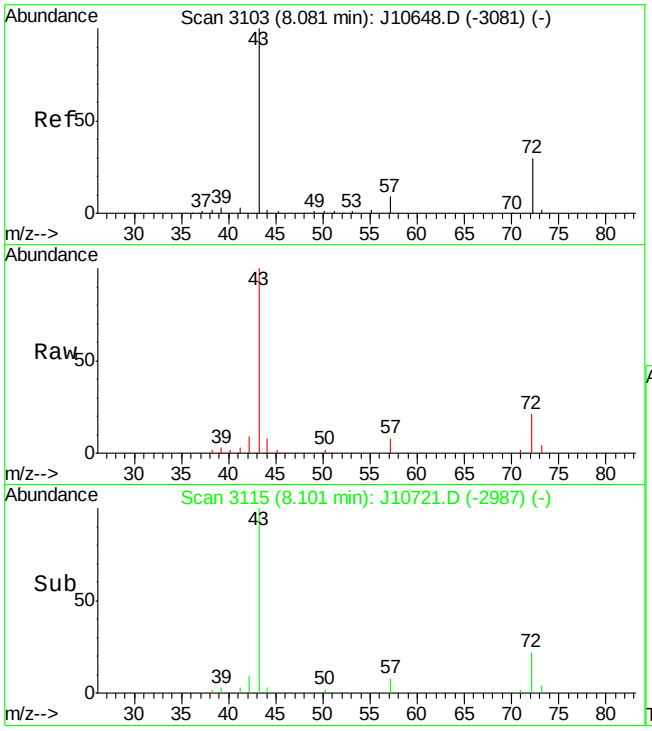


#25
HEXANE
Concen: 0.56 PPBV
RT: 8.64 min Scan# 3418
Delta R.T. 0.00 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion: 57 Resp: 24782

Ion	Ratio	Lower	Upper
57	100		
56	63.6	38.7	78.7
41	97.8	64.0	104.0

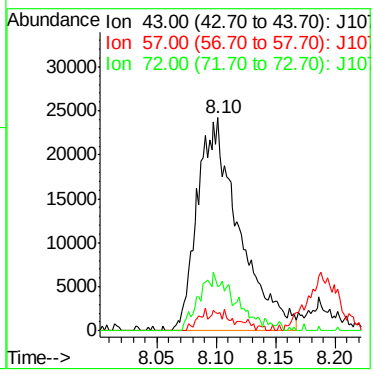


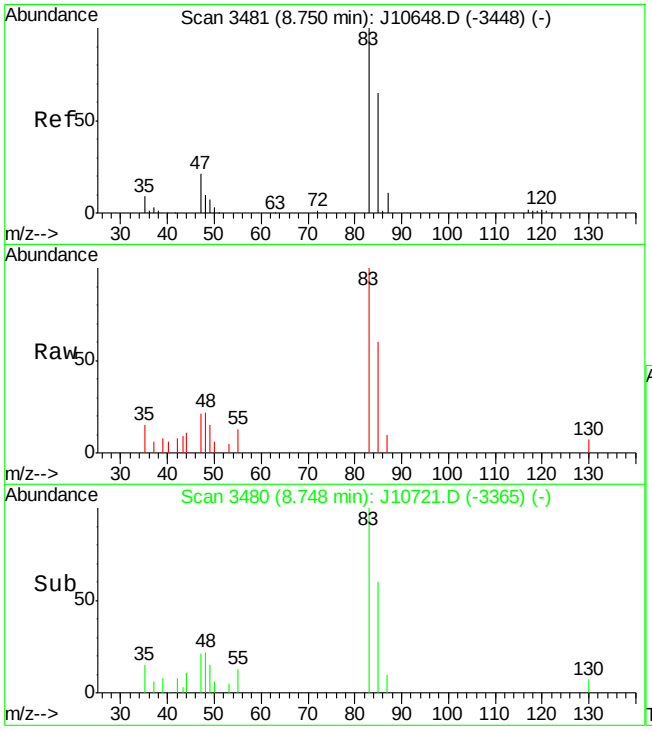


#28
METHYL ETHYL KETONE
Concen: 1.39 PPBV
RT: 8.10 min Scan# 3115
Delta R.T. 0.02 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion: 43 Resp: 58969

Ion	Ratio	Lower	Upper
43	100		
57	7.9	0.0	28.5
72	20.9	9.5	49.5

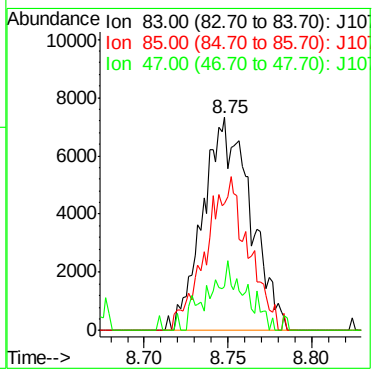


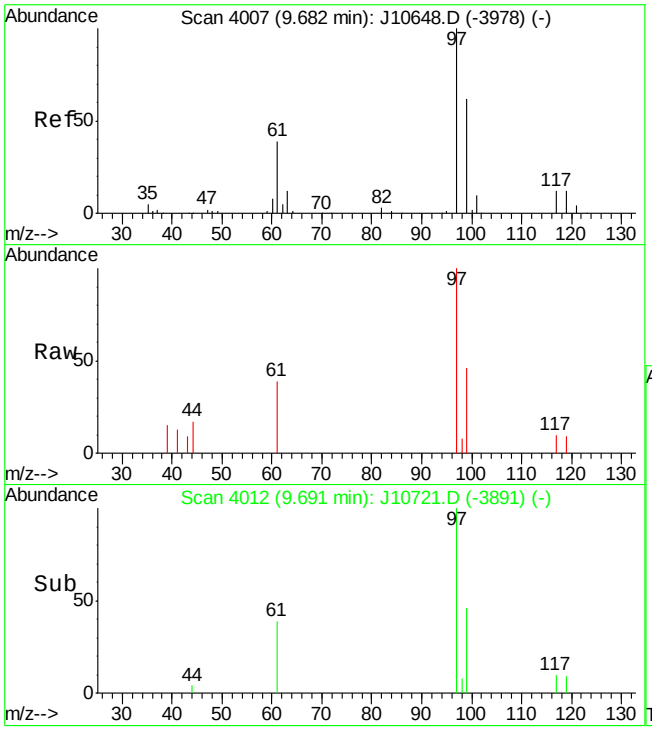


#31
CHLOROFORM
Concen: 0.16 PPBV
RT: 8.75 min Scan# 3480
Delta R.T. -0.00 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion: 83 Resp: 14461

Ion	Ratio	Lower	Upper
83	100		
85	64.4	45.2	85.2
47	24.9	2.0	42.0

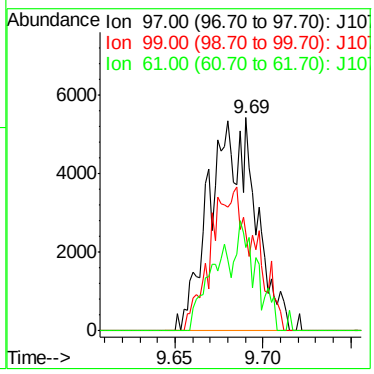


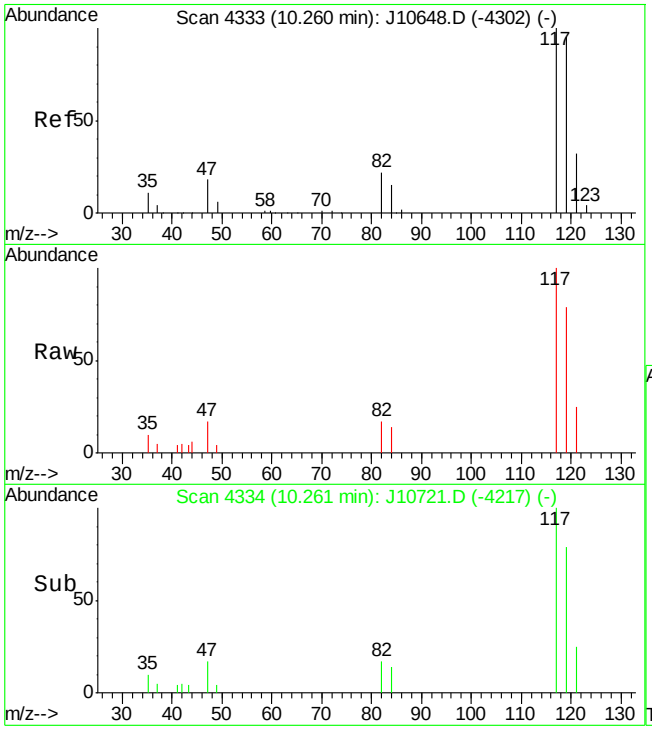


#32
1,1,1-TRICHLOROETHANE
Concen: 0.10 PPBV
RT: 9.69 min Scan# 4012
Delta R.T. 0.01 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion: 97 Resp: 9867

Ion	Ratio	Lower	Upper
97	100		
99	65.4	44.5	84.5
61	43.4	20.6	60.6

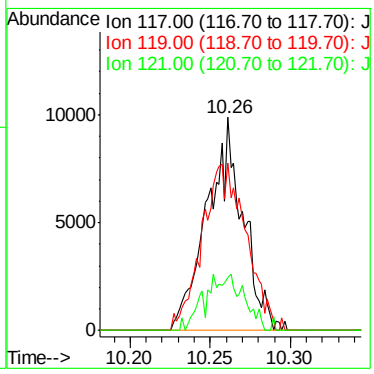


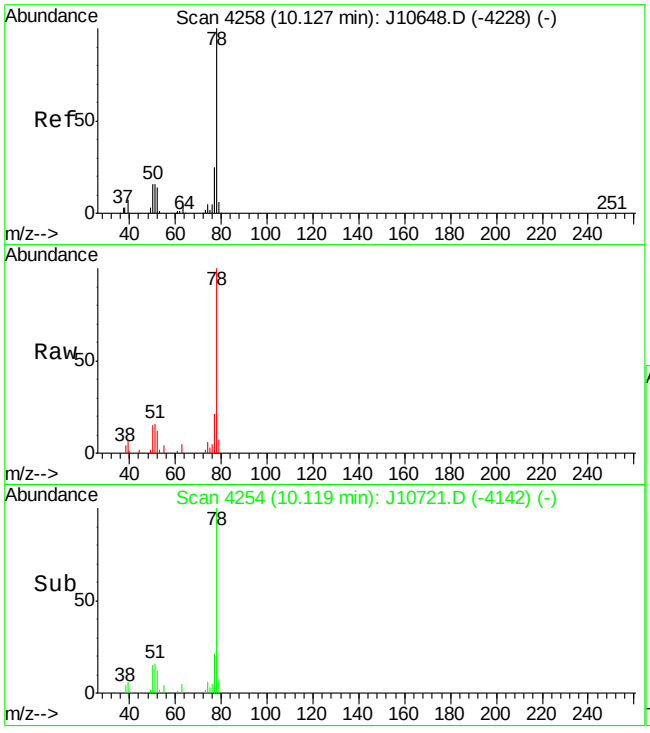


#33
CARBON TETRACHLORIDE
Concen: 0.12 PPBV
RT: 10.26 min Scan# 4334
Delta R.T. 0.00 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion:117 Resp: 15302

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.5	116.5
121	28.6	11.0	51.0

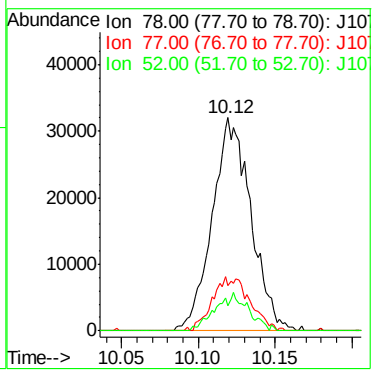


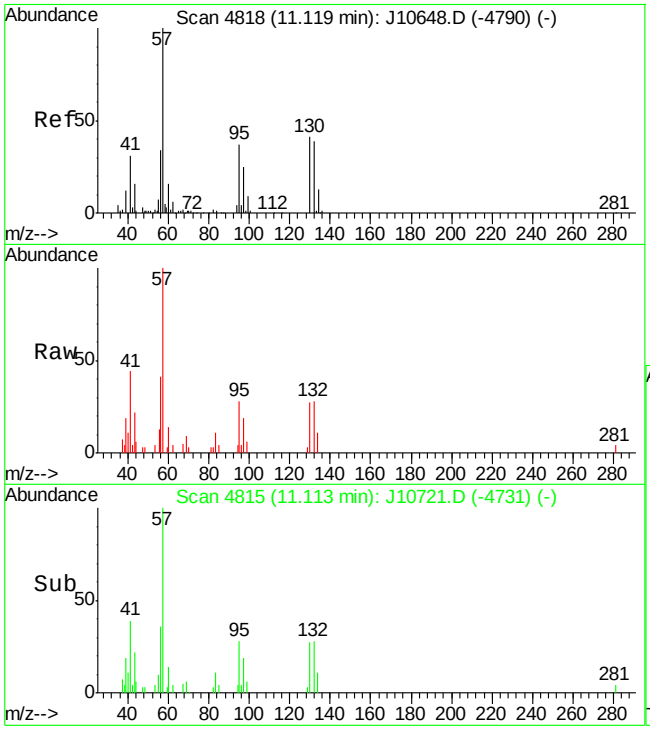


#36
BENZENE
Concen: 0.61 PPBV
RT: 10.12 min Scan# 4254
Delta R.T. -0.01 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion: 78 Resp: 55888

Ion	Ratio	Lower	Upper
78	100		
77	24.4	4.2	44.2
52	15.3	0.0	34.6

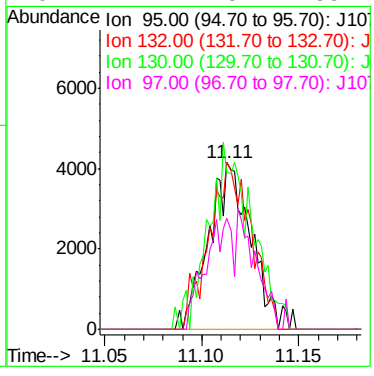


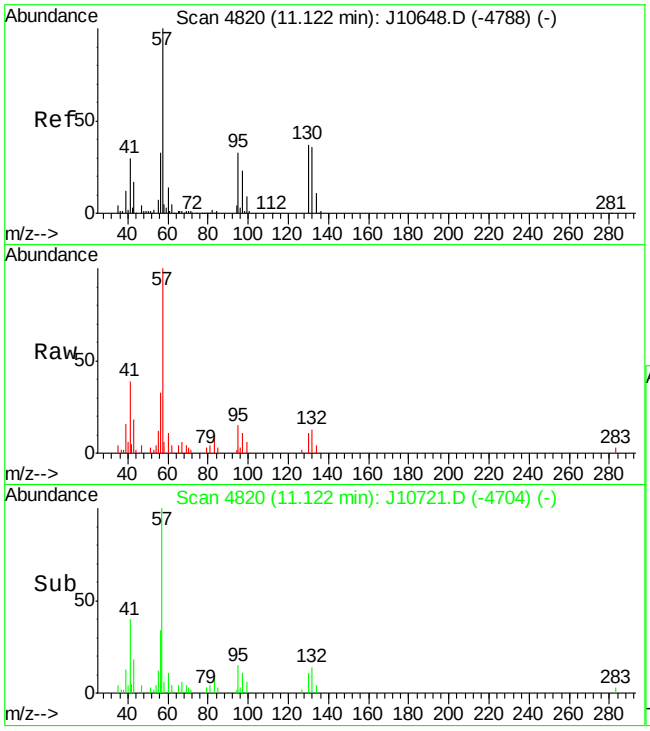


#38
TRICHLOROETHYLENE
Concen: 0.13 PPBV
RT: 11.11 min Scan# 4815
Delta R.T. -0.01 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion: 95 Resp: 6346

Ion	Ratio	Lower	Upper
95	100		
132	97.8	86.1	126.1
130	112.7	90.4	130.4
97	41.7	45.7	85.7#

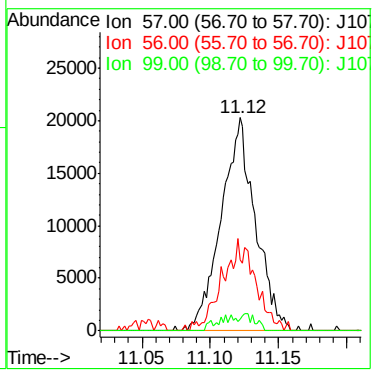


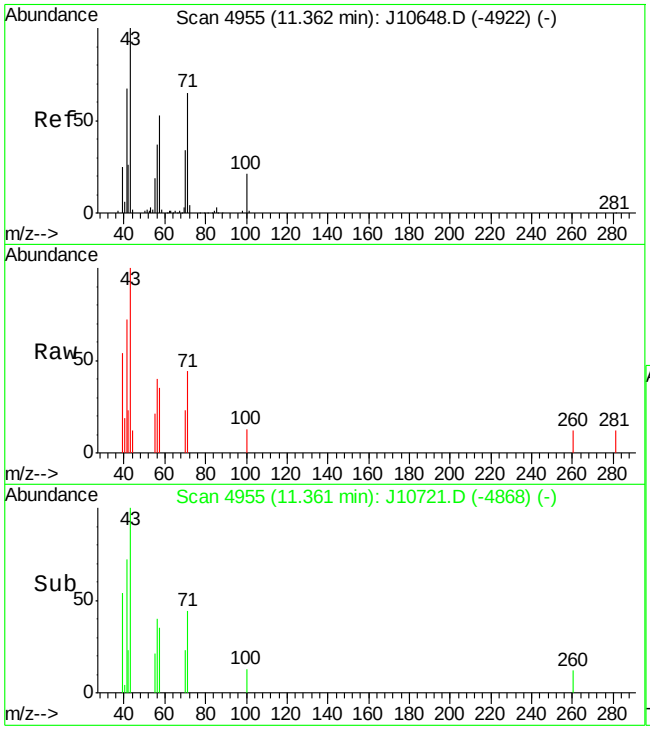


#41
2,2,4-TRIMETHYLPENTANE
Concen: 0.26 PPBV
RT: 11.12 min Scan# 4820
Delta R.T. -0.00 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion: 57 Resp: 35354

Ion	Ratio	Lower	Upper
57	100		
56	41.5	13.3	53.3
99	7.4	0.0	28.6

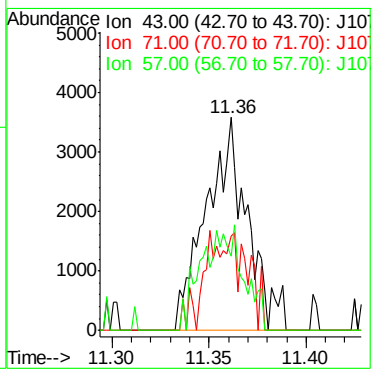


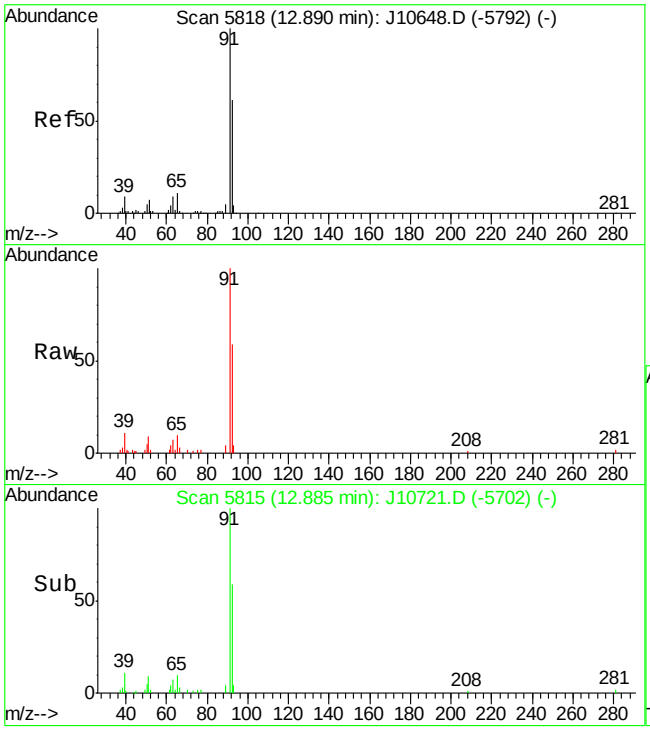


#43
HEPTANE
Concen: 0.13 PPBV
RT: 11.36 min Scan# 4955
Delta R.T. -0.00 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion: 43 Resp: 5285

Ion	Ratio	Lower	Upper
43	100		
71	46.6	42.8	82.8
57	49.5	35.0	75.0

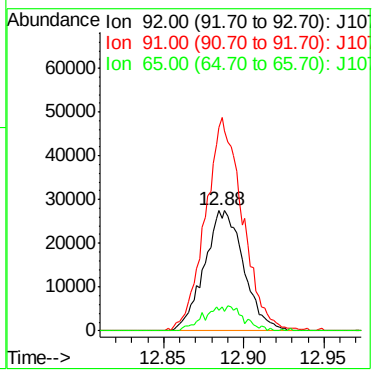


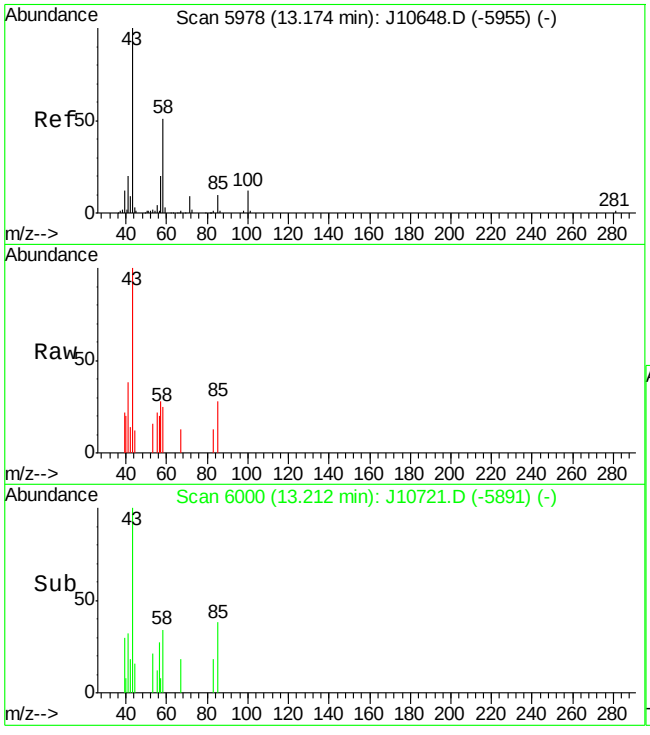


#46
TOLUENE
Concen: 0.83 PPBV
RT: 12.88 min Scan# 5815
Delta R.T. -0.01 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion: 92 Resp: 46892

Ion	Ratio	Lower	Upper
92	100		
91	168.0	145.7	185.7
65	20.3	0.0	38.9

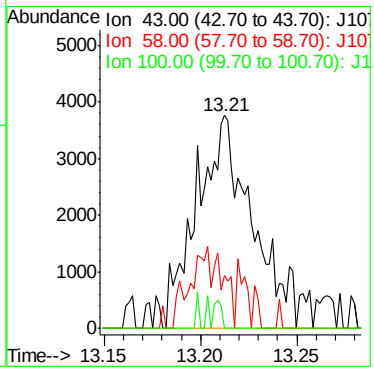


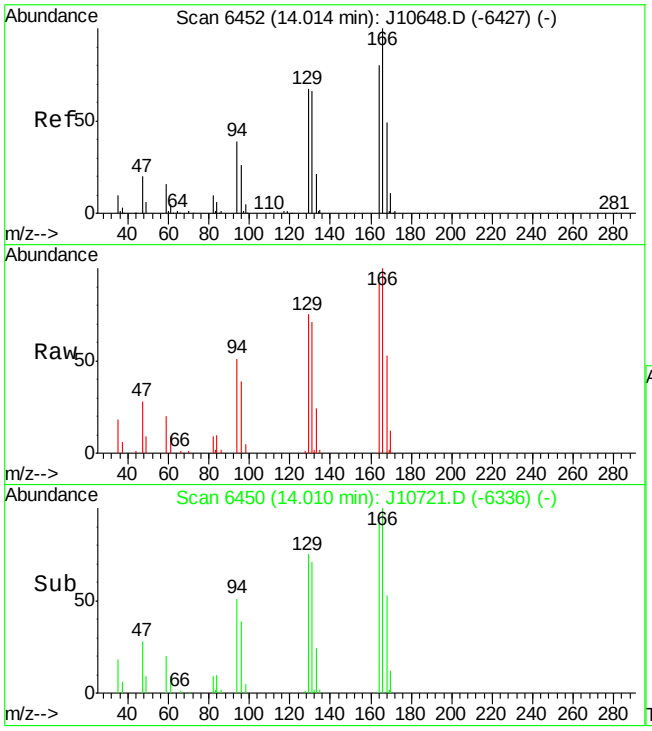


#50
2-HEXANONE
Concen: 0.18 PPBV m
RT: 13.21 min Scan# 6000
Delta R.T. 0.04 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion: 43 Resp: 7514

Ion	Ratio	Lower	Upper
43	100		
58	0.0	32.5	72.5#
100	0.0	0.0	31.4

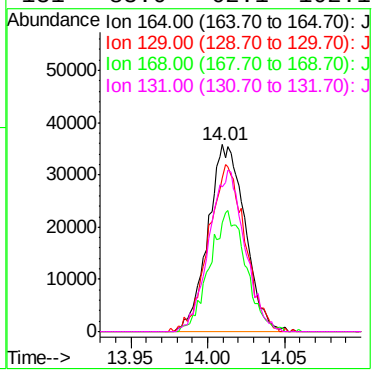




#51
TETRACHLOROETHYLENE
Concen: 1.02 PPBV
RT: 14.01 min Scan# 6450
Delta R.T. -0.00 min
Lab File: J10721.D
Acq: 21 Jun 2007 5:33 pm

Tgt Ion:164 Resp: 59896

Ion	Ratio	Lower	Upper
164	100		
129	88.0	65.6	105.6
168	62.8	42.7	82.7
131	83.0	62.1	102.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3446.D
Acq On : 18 May 2007 10:56 am
Operator : PhilipB
Sample : M64897-9 (M124)
Misc : MS13593, MSQ187,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 18 12:07:58 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.422	128	105451	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.344	114	464494	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	408138	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	143814	4.10	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 82.00%

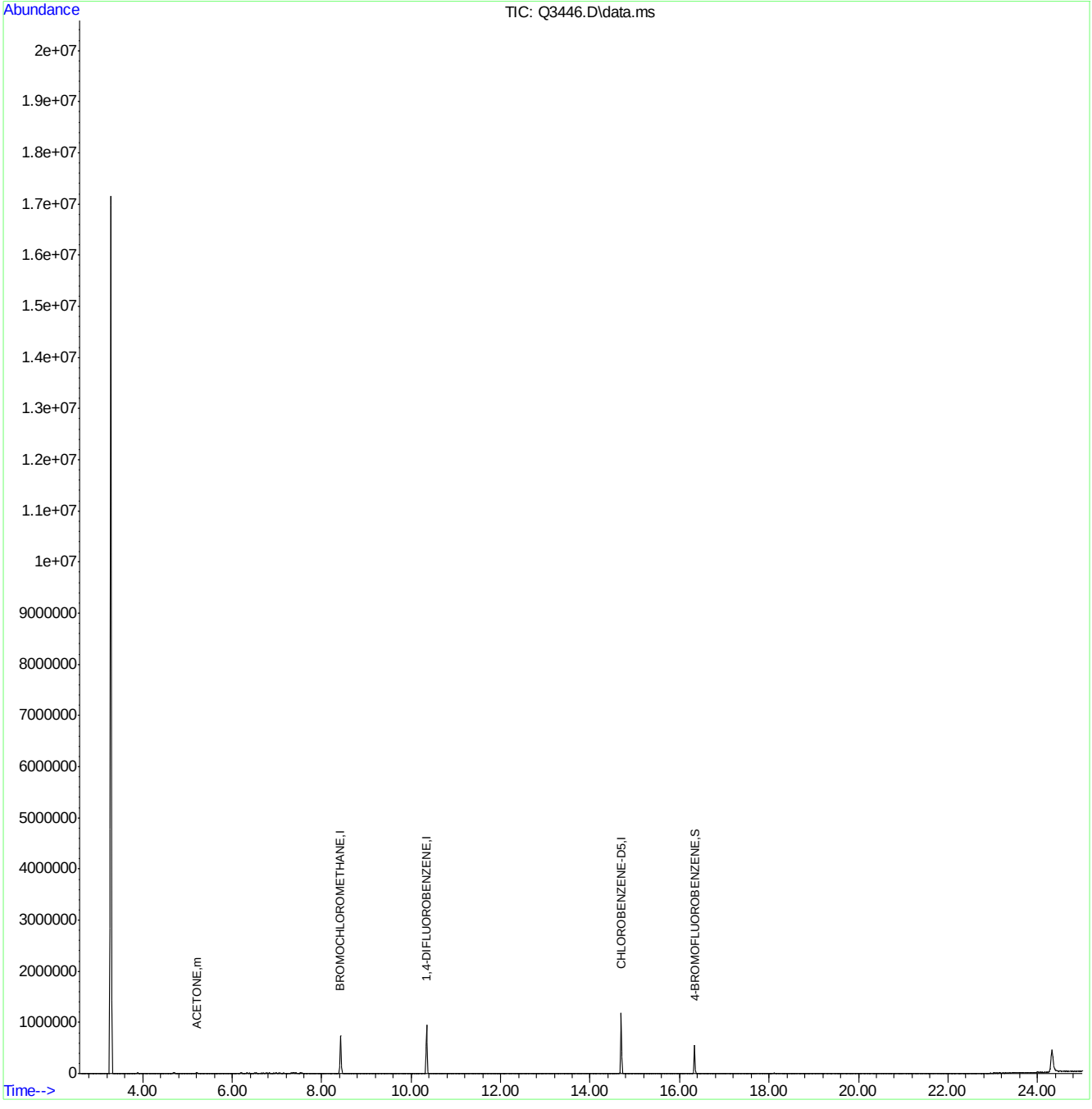
Target Compounds						Qvalue
12) ACETONE	5.206	43	16740	0.30	PPBV	85

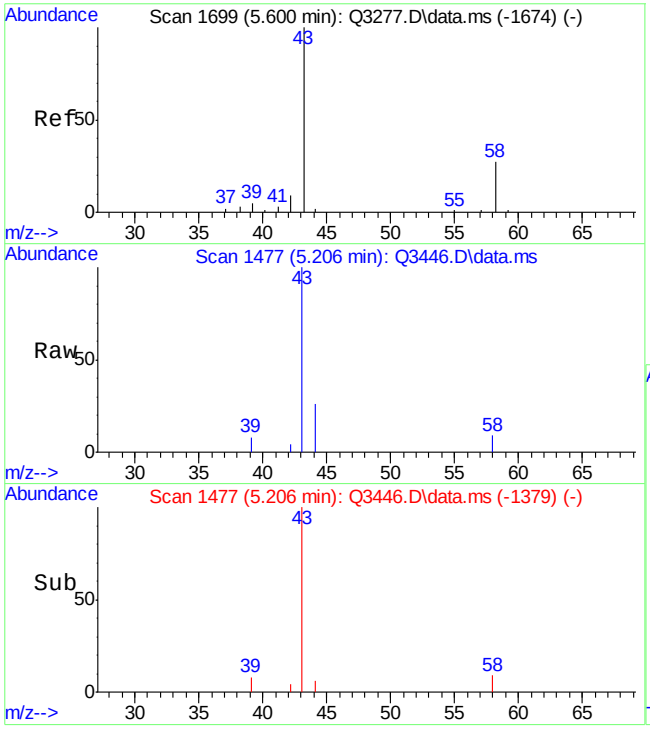
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3446.D
Acq On : 18 May 2007 10:56 am
Operator : PhilipB
Sample : M64897-9 (M124)
Misc : MS13593, MSQ187,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 18 12:07:58 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

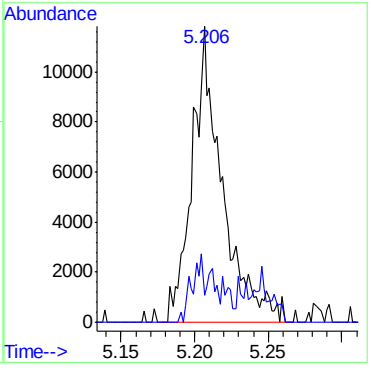




#12
ACETONE
Concen: 0.30 PPBV
RT: 5.206 min Scan# 1477
Delta R.T. 0.018 min
Lab File: Q3446.D
Acq: 18 May 2007 10:56 am

Tgt Ion: 43 Resp: 16740

Ion	Ratio	Lower	Upper
43	100		
58	14.2	0.0	20.3



6.5.1

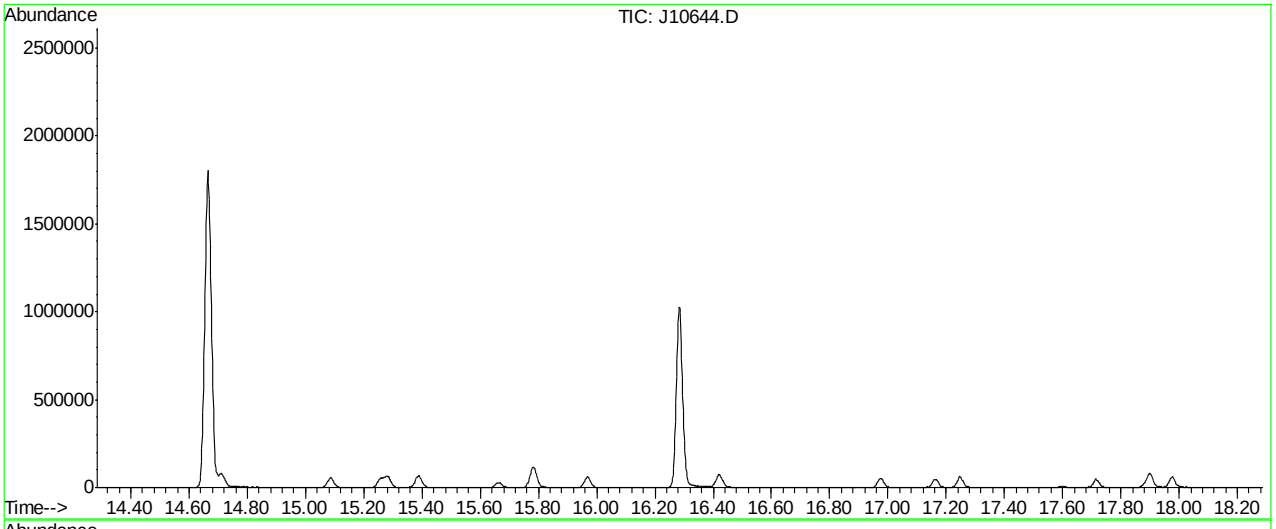
6

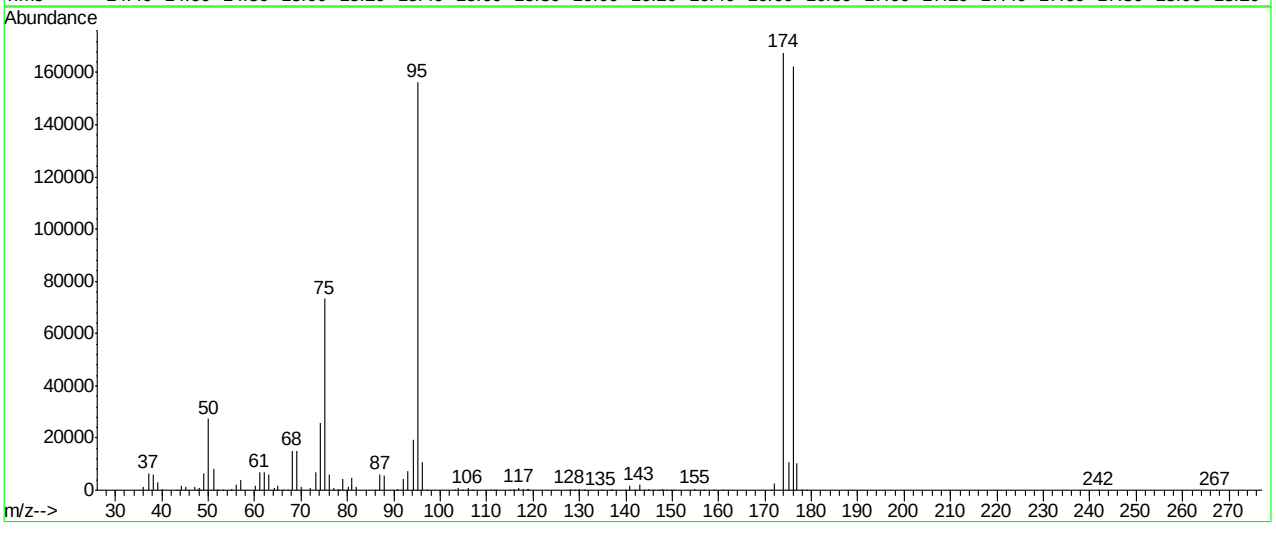
BFB

Data File : C:\MSDCHEM\1\DATA\J10644.D
Acq On : 14 Jun 2007 12:15 pm
Sample : ic552-0.5 (m140)
Misc : MS13724, MSJ552,,,,,1
MS Integration Params: LSCINT.P

Vial: 1
Operator: danat
Inst : MSJ
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.274 to 16.295 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.5	27324	PASS
75	95	30	66	46.8	73264	PASS
95	95	100	100	100.0	156390	PASS
96	95	5	9	6.9	10795	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	107.2	167689	PASS
175	174	4	9	6.4	10736	PASS
176	174	93	101	96.9	162433	PASS
177	176	5	9	6.5	10525	PASS

J10644.D J061407T.M Sat Jun 16 14:03:41 2007

Average of 16.274 to 16.295 min.: J10644.D
ic552-0.5 (m140)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1449	48.30	128	61.10	6923	73.15	6991
37.15	6523	49.15	6259	62.15	6918	74.10	25783
38.15	5889	50.10	27324	63.15	5967	75.10	73264
39.15	2892	51.15	7972	64.15	824	76.10	6227
40.10	458	52.00	36	65.10	1546	77.10	865
43.20	36	52.15	185	66.30	34	78.10	313
44.10	1775	53.10	106	67.10	97	78.30	75
45.15	1292	55.10	393	68.10	15131	79.00	4475
47.10	1274	56.15	2269	69.10	15058	80.10	1490
47.60	50	57.10	3888	70.10	1142	81.00	4628
48.10	839	60.10	1549	72.05	687	81.95	1198

Average of 16.274 to 16.295 min.: J10644.D
ic552-0.5 (m140)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.10	66	103.90	707	118.90	514	140.95	1777
87.05	6172	104.95	99	119.05	536	141.90	39
88.05	5662	105.95	787	127.95	560	142.10	34
90.95	598	107.10	31	128.95	224	142.95	2132
92.05	4300	110.80	30	129.95	486	143.90	40
93.10	7231	111.60	31	130.90	32	145.00	251
94.15	19349	112.15	66	131.10	50	145.90	67
95.10	156390	115.10	32	134.80	176	147.05	64
96.10	10795	115.95	597	136.80	43	147.90	406
97.05	160	116.95	998	137.00	89	148.90	34
103.10	35	117.95	656	139.90	34	149.90	107

Average of 16.274 to 16.295 min.: J10644.D
ic552-0.5 (m140)

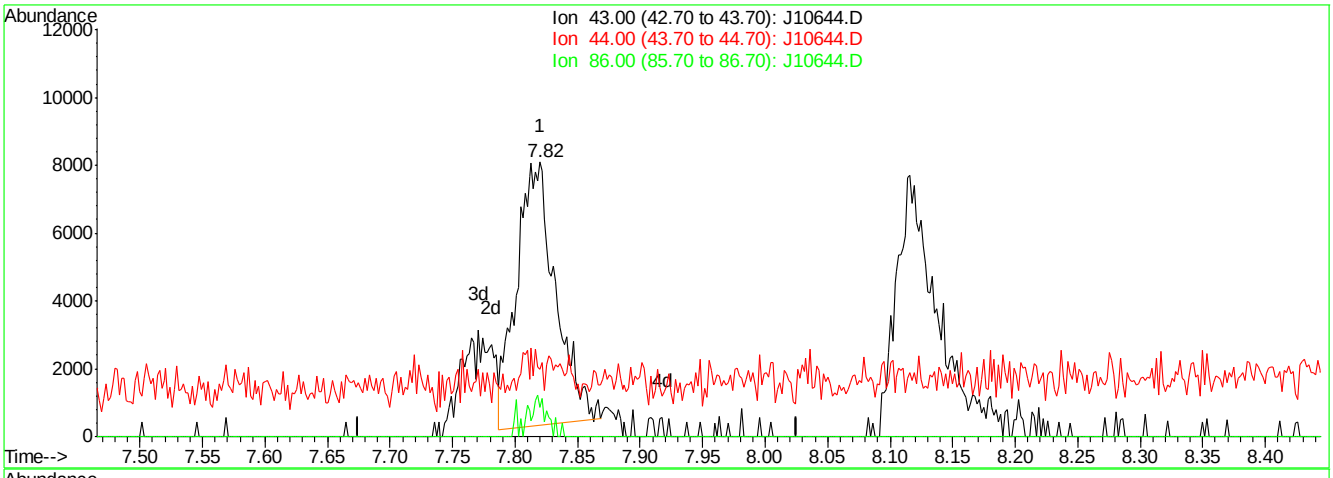
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
150.20	33	177.90	119				
154.95	479	178.10	32				
156.90	72	179.10	33				
159.00	31	241.90	33				
160.95	82	267.10	35				
171.20	32						
171.95	2615						
174.00	167689						
175.05	10736						
176.00	162433						
176.95	10525						

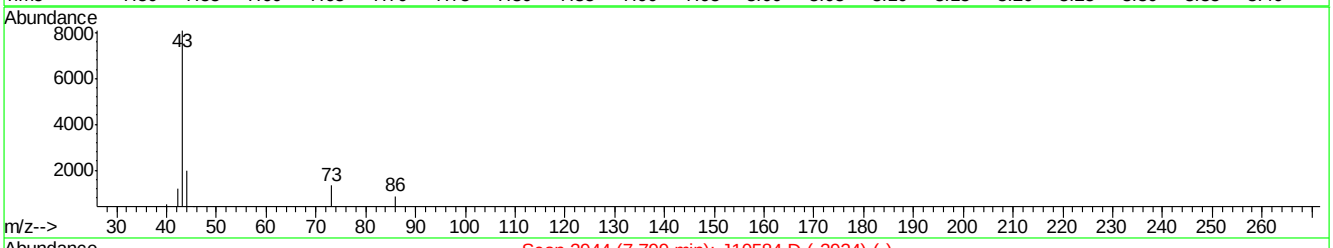
Quantitation Report (Qedit)

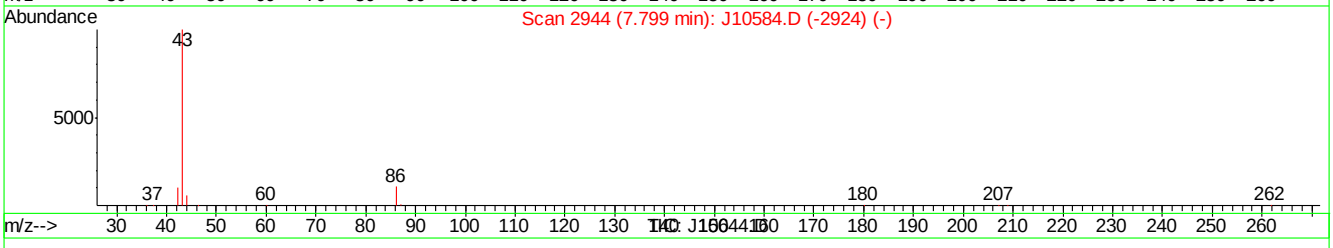
Data File : C:\MSDChem\1\data\J10644.D Vial: 1
Acq On : 14 Jun 2007 12:15 pm Operator: danat
Sample : ic552-0.5 (m140) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 13:48:34 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 13:48:21 2007
Response via : Multiple Level Calibration







(26) VINYL ACETATE (m)

7.82min 0.38PPBV

response 17001

Ion	Exp%	Act%
43.00	100	100
44.00	6.90	6.09
86.00	8.90	6.45
0.00	0.00	0.00

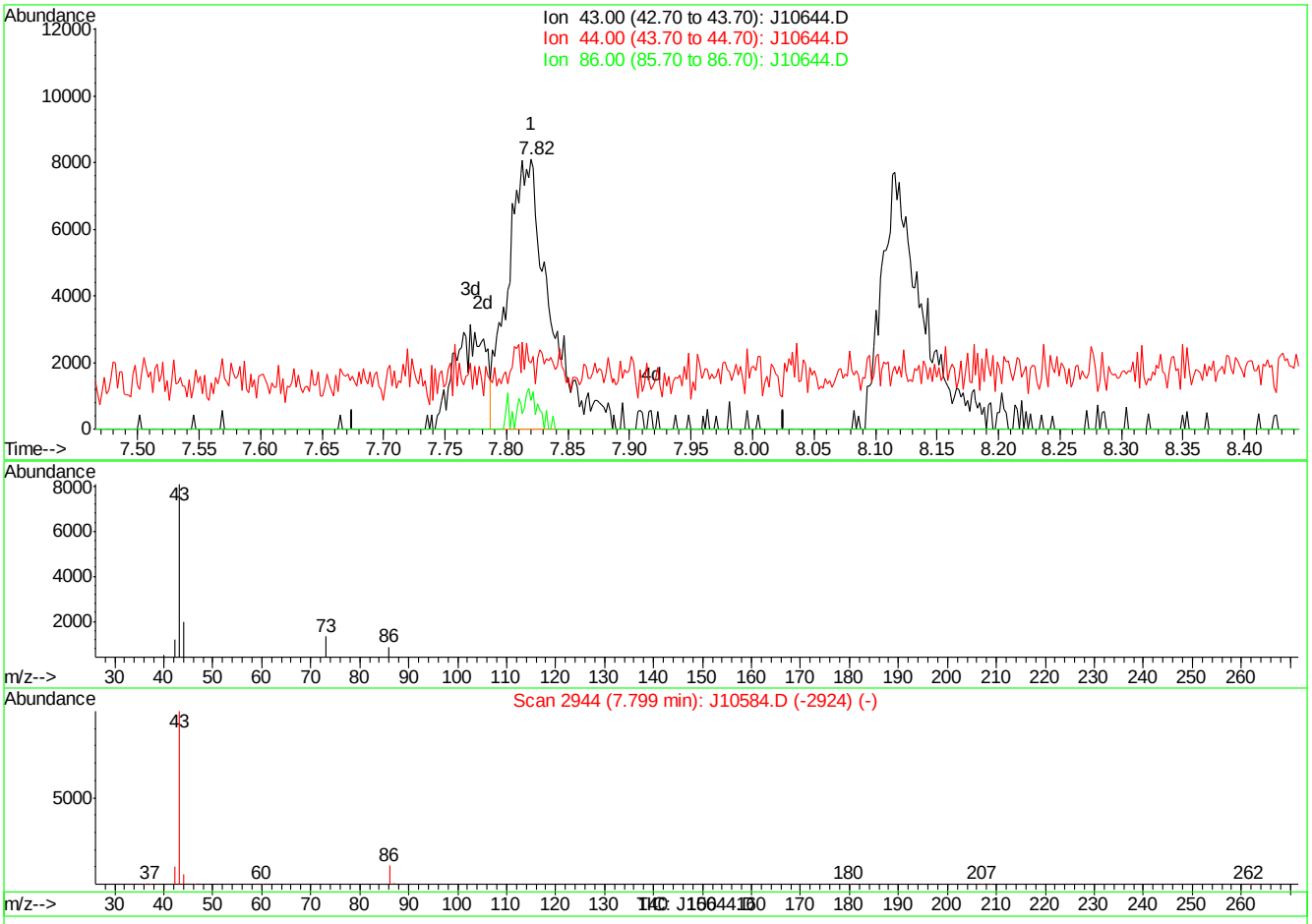
J10644.D J061407T.M Thu Jun 14 13:49:31 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10644.D Vial: 1
Acq On : 14 Jun 2007 12:15 pm Operator: danat
Sample : ic552-0.5 (m140) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 13:48:34 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 13:48:21 2007
Response via : Multiple Level Calibration



(26) VINYL ACETATE (m)

7.82min 0.44PPBV m

response 19526

Ion	Exp%	Act%
43.00	100	100
44.00	6.90	5.31
86.00	8.90	5.61
0.00	0.00	0.00

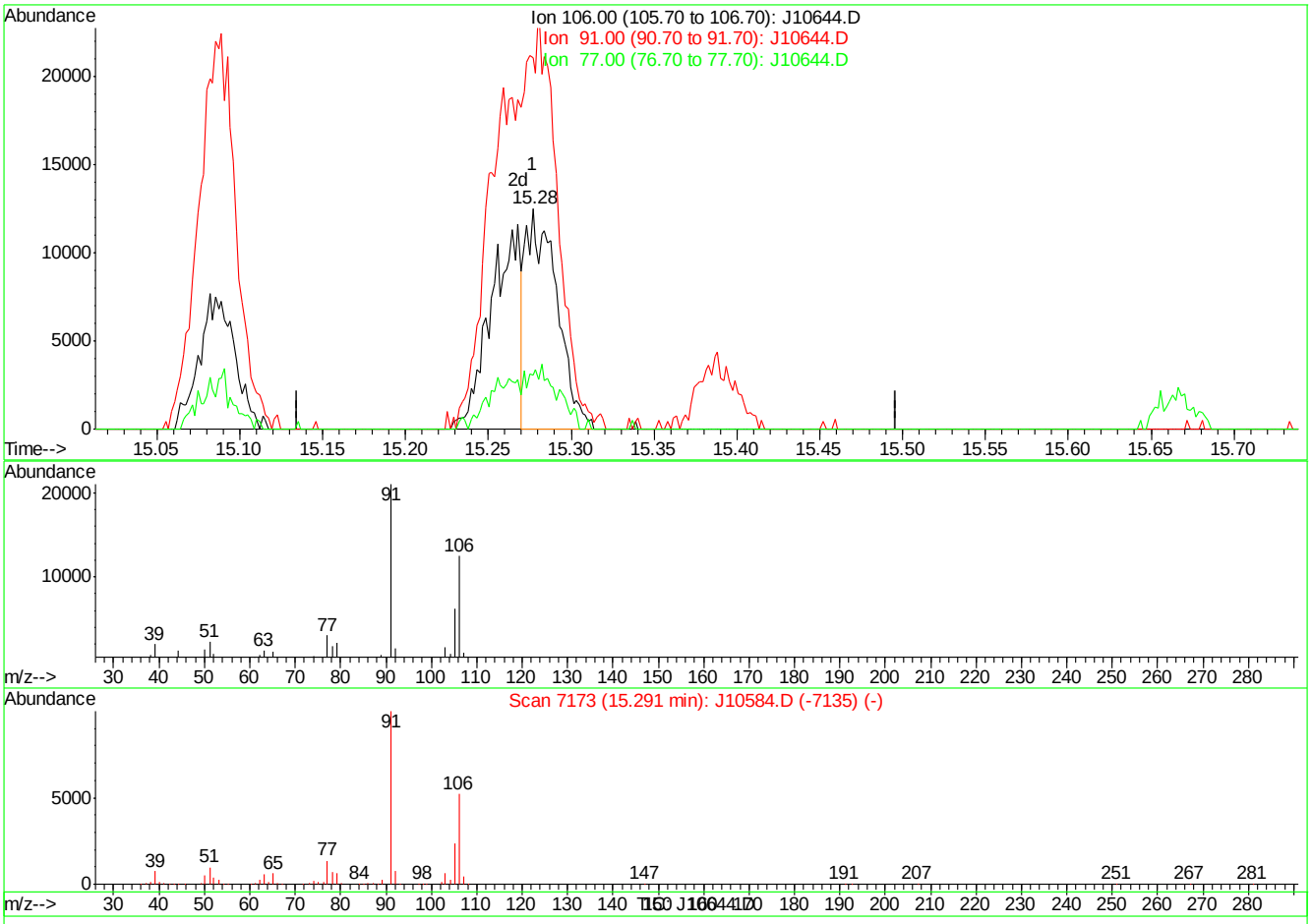
J10644.D J061407T.M Thu Jun 14 13:49:39 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10644.D Vial: 1
Acq On : 14 Jun 2007 12:15 pm Operator: danat
Sample : ic552-0.5 (m140) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 13:48:34 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 13:48:21 2007
Response via : Multiple Level Calibration



(56) m,p-XYLENE (m)

15.28min 0.46PPBV

response 16455

Ion	Exp%	Act%
106.00	100	100
91.00	191.60	168.24
77.00	25.70	24.64
0.00	0.00	0.00

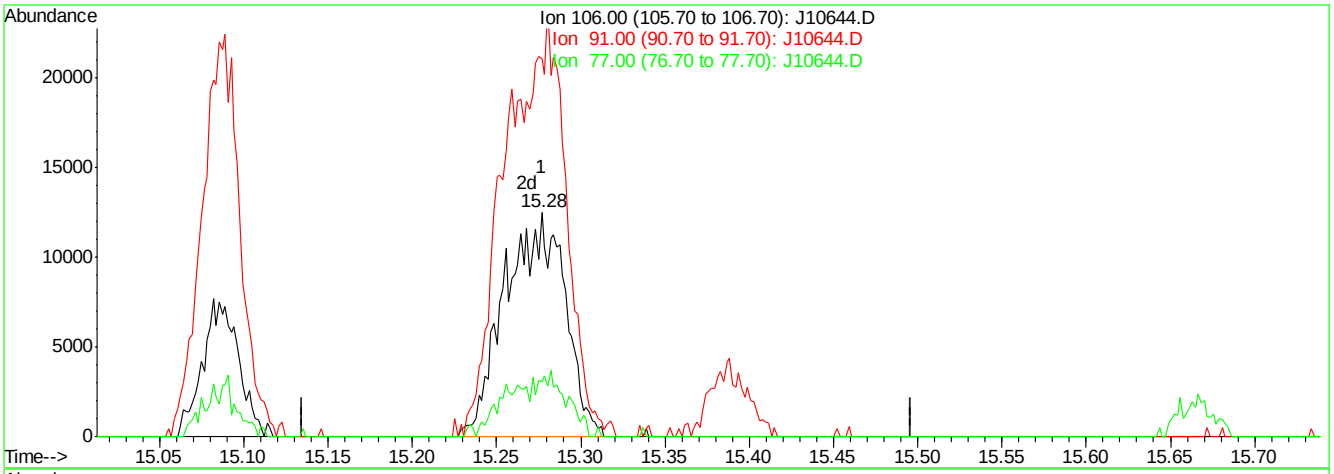
J10644.D J061407T.M Thu Jun 14 13:50:11 2007

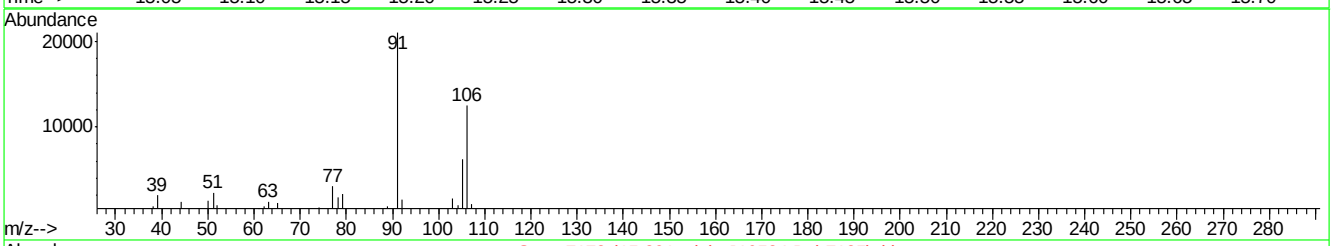
Quantitation Report (Qedit)

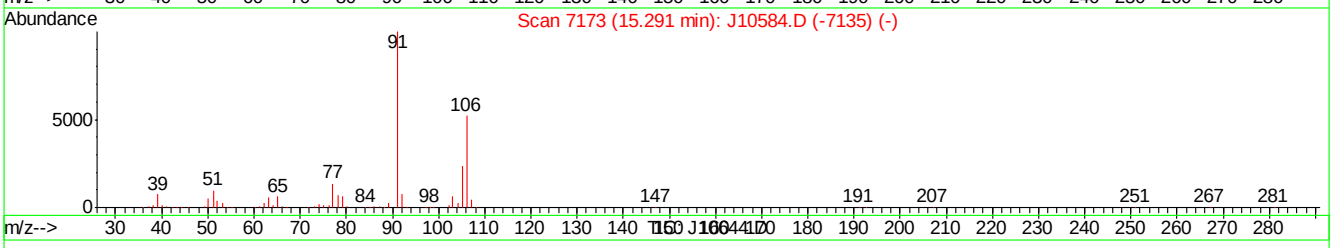
Data File : C:\MSDChem\1\data\J10644.D Vial: 1
Acq On : 14 Jun 2007 12:15 pm Operator: danat
Sample : ic552-0.5 (m140) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 13:48:34 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 13:48:21 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.28min 0.86PPBV m

response 30767

Ion	Exp%	Act%
106.00	100	100
91.00	191.60	168.24
77.00	25.70	24.64
0.00	0.00	0.00

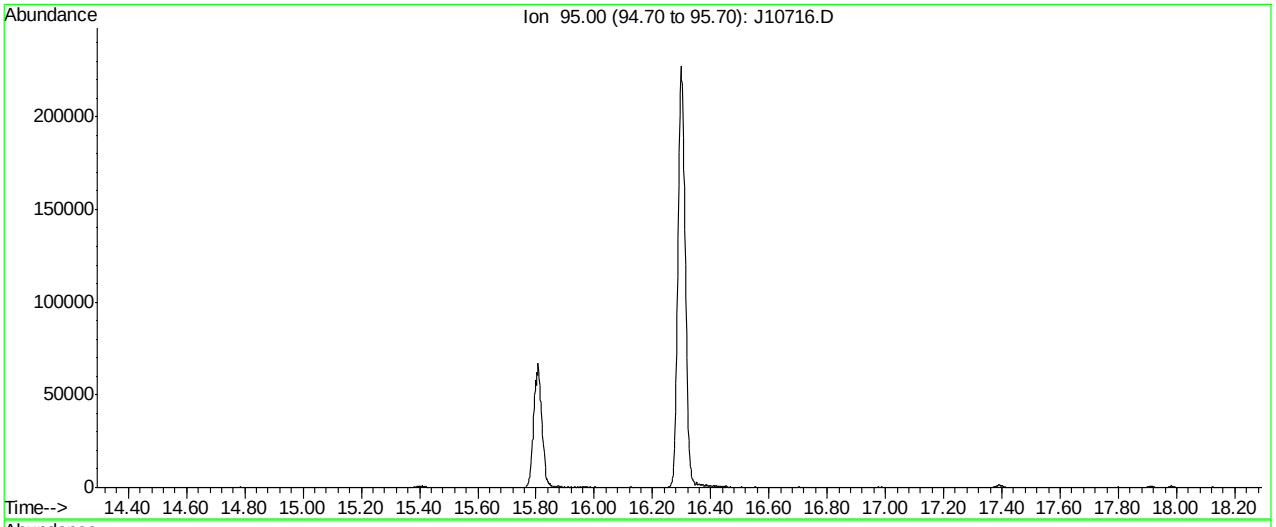
J10644.D J061407T.M Thu Jun 14 13:50:16 2007

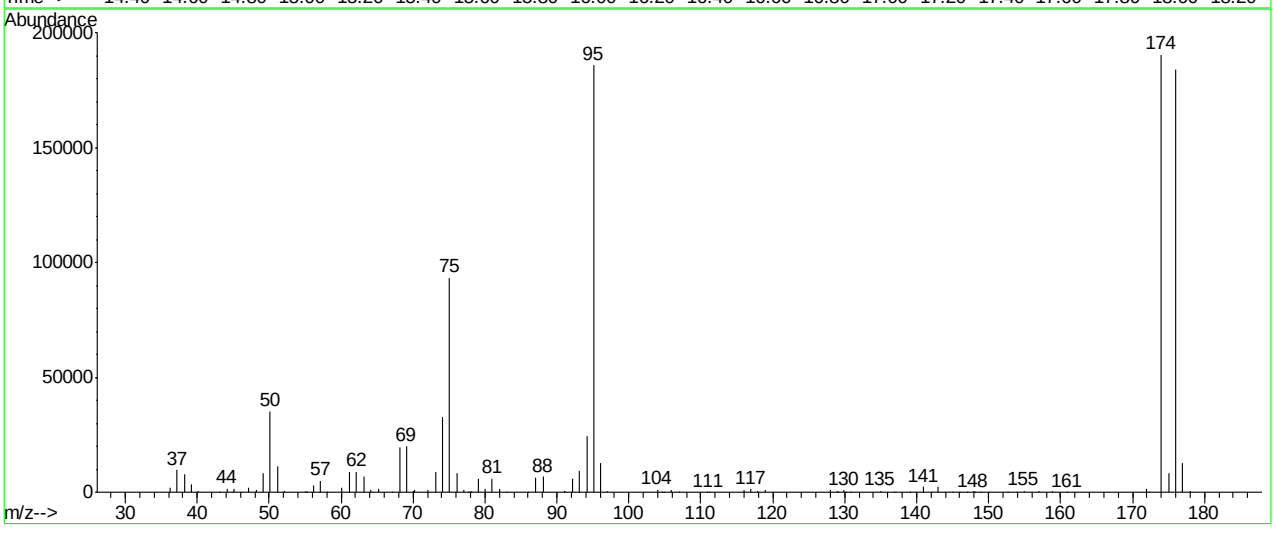
BFB

Data File : C:\MSDChem\1\data\J10716.D
Acq On : 21 Jun 2007 12:37 pm
Sample : cc552-10 (m045)
Misc : MS13762, MSJ555,,,,,1
MS Integration Params: LSCINT.P

Vial: 1
Operator: danat
Inst : MSJ
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.286 to 16.300 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.9	35241	PASS
75	95	30	66	50.2	93497	PASS
95	95	100	100	100.0	186138	PASS
96	95	5	9	6.9	12824	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	102.4	190683	PASS
175	174	4	9	4.3	8148	PASS
176	174	93	101	96.6	184206	PASS
177	176	5	9	7.0	12911	PASS

J10716.D J061407T.M Fri Jun 22 09:36:02 2007

Average of 16.286 to 16.300 min.: J10716.D
cc552-10 (m045)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	2206	48.00	83	60.10	1917	72.10	952
37.20	9662	48.15	1103	61.10	8697	73.15	9045
38.20	7859	49.15	8100	62.15	9029	74.15	32962
39.15	3555	50.15	35241	63.15	7101	75.10	93497
40.10	551	51.15	11089	64.15	819	76.10	8130
43.05	167	52.10	495	65.15	1262	77.10	1230
44.10	1599	55.10	401	67.00	98	77.70	87
45.00	113	55.25	124	68.10	19440	77.90	66
45.15	1505	56.15	2807	69.10	20079	78.15	685
46.10	54	57.15	5033	70.00	415	79.00	5719
47.15	1829	58.05	143	70.15	1078	80.05	1714

Average of 16.286 to 16.300 min.: J10716.D
cc552-10 (m045)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.00	5884	95.10	186138	116.95	1415	139.10	47
82.00	1556	96.10	12824	117.95	726	139.90	115
83.00	61	97.00	440	118.95	1204	140.95	2418
85.90	52	104.00	1099	128.00	769	141.95	100
87.05	6390	104.70	61	128.90	376	143.00	2405
88.05	6672	104.95	130	129.10	65	143.90	49
91.00	526	105.95	1034	129.95	923	144.95	208
91.15	421	107.00	188	130.20	63	146.00	227
92.10	6061	110.90	48	130.85	217	147.05	141
93.15	9219	111.10	75	134.95	529	147.90	348
94.20	24488	115.95	804	136.95	163	148.05	182

Average of 16.286 to 16.300 min.: J10716.D
cc552-10 (m045)

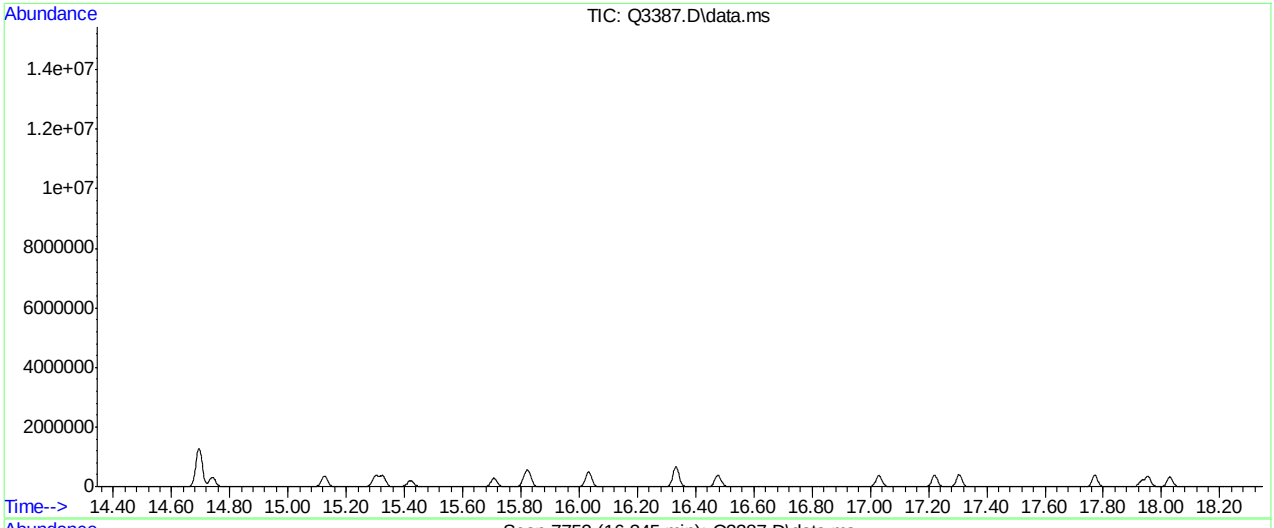
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
148.90	67	175.10	8148				
149.90	62	176.00	184206				
152.70	48	176.95	12911				
153.90	111	178.00	354				
154.90	508						
157.00	432						
158.85	299						
160.90	113						
171.95	1693						
172.20	263						
174.00	190683						

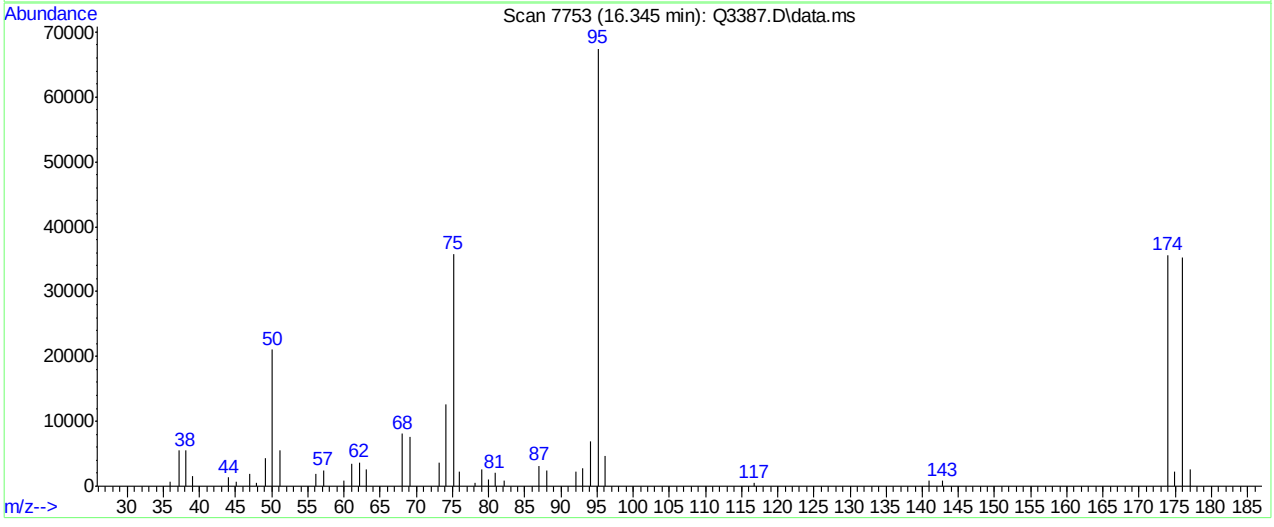
BFB

Data File : C:\msdchem\1\DATA\Q3387.D
Acq On : 15 May 2007 5:12 pm
Sample : IC185-2 (M060)
Misc : MS13535,MSQ185,,,,,1
MS Integration Params: LSCINT.P

Vial: 1
Operator: PhilipB
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q051507T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Scan 7753

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	31.1	21000	PASS
75	95	30	66	53.0	35784	PASS
95	95	100	100	100.0	67472	PASS
96	95	5	9	7.0	4748	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	52.8	35648	PASS
175	174	4	9	6.1	2181	PASS
176	174	93	101	98.8	35216	PASS
177	176	5	9	7.2	2542	PASS

Q3387.D Q051507T.m Wed May 16 11:17:16 2007 RPT1

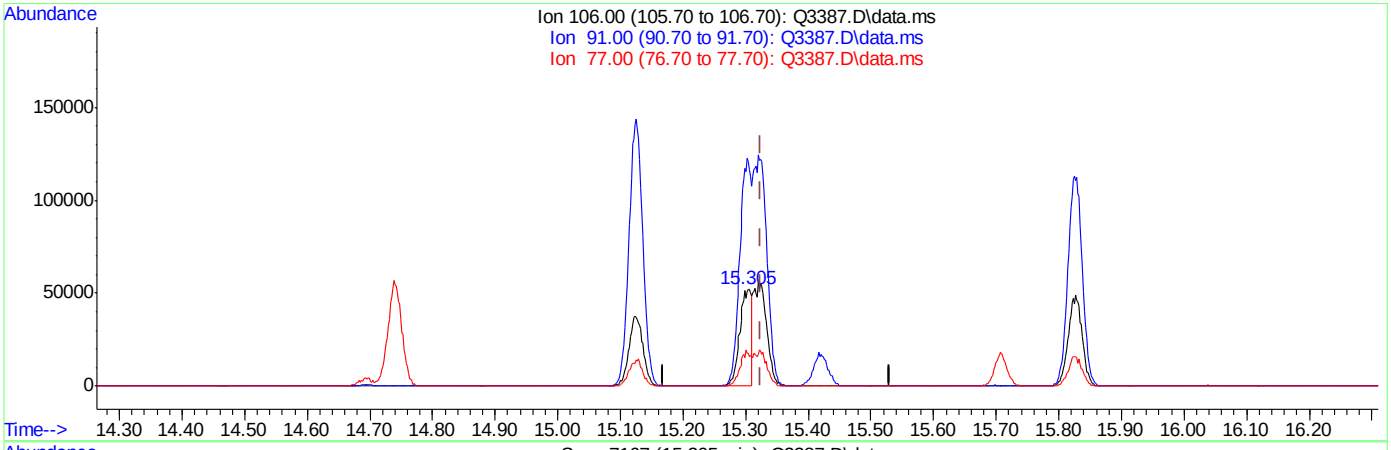
Scan 7753 (16.345 min): Q3387.D\data.ms
IC185-2 (M060)

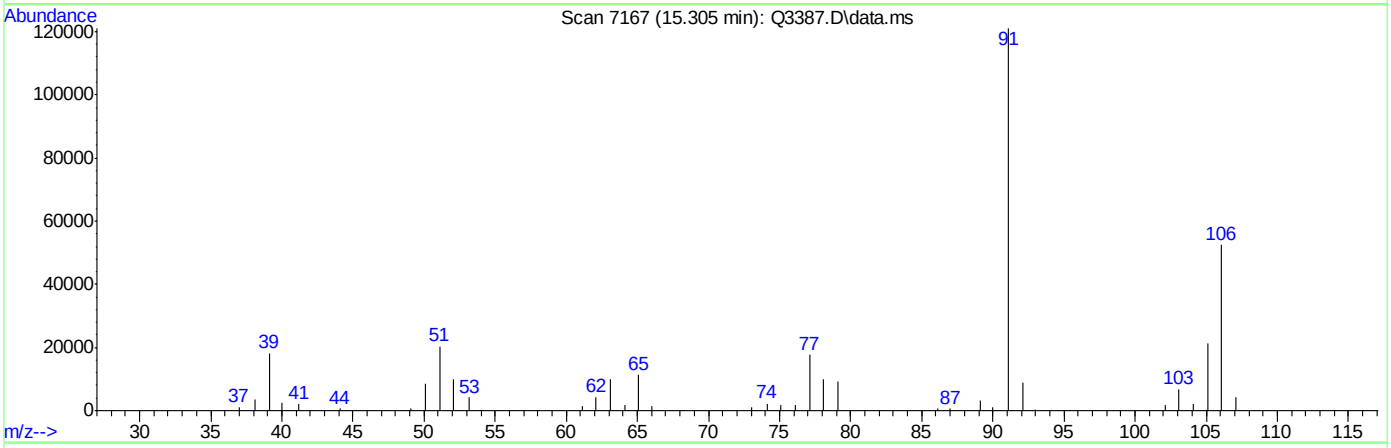
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	679	56.10	1861	76.00	2203	95.10	67472
37.10	5460	57.10	2507	78.10	501	96.10	4748
38.10	5524	60.00	840	79.00	2585	116.80	443
39.00	1611	61.10	3484	80.00	993	140.90	811
44.00	1333	62.10	3649	80.90	2020	142.80	846
45.10	721	63.10	2658	82.10	886	174.00	35648
47.00	1983	68.10	8113	87.00	3153	174.90	2181
47.90	593	69.10	7586	88.10	2509	176.00	35216
49.10	4327	73.10	3655	92.10	2174	177.00	2542
50.10	21000	74.10	12601	93.00	2842		
51.10	5609	75.10	35784	94.10	6850		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3387.D
Acq On : 15 May 2007 5:12 pm
Operator : PhilipB
Sample : IC185-2 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 17:38:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 16:13:49 2007
Response via : Initial Calibration





TIC: Q3387.D\data.ms

(56) m,p-XYLENE (m)

15.305min (-0.019) 1.61PPBV

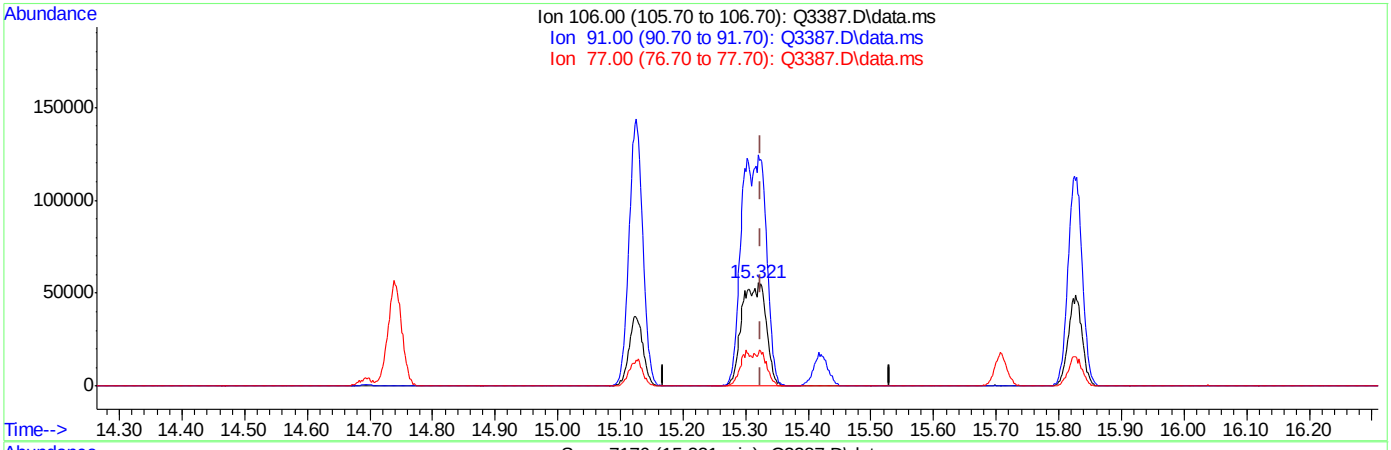
response 69695

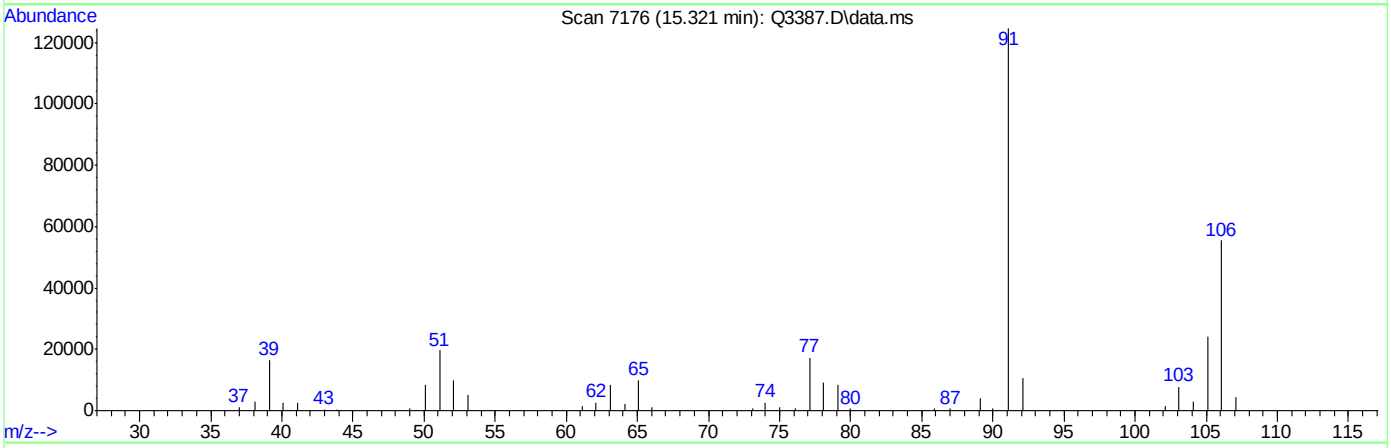
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	231.05
77.00	30.60	33.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3387.D
Acq On : 15 May 2007 5:12 pm
Operator : PhilipB
Sample : IC185-2 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 17:38:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 16:13:49 2007
Response via : Initial Calibration





TIC: Q3387.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.004) 3.48PPBV m

response 150900

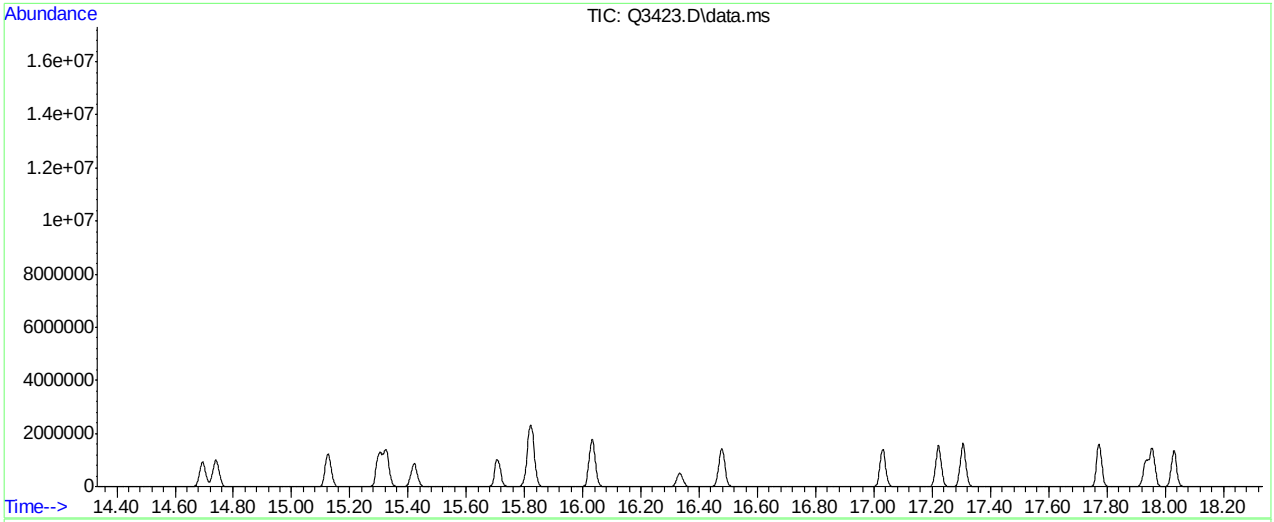
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	224.73
77.00	30.60	31.22
0.00	0.00	0.00

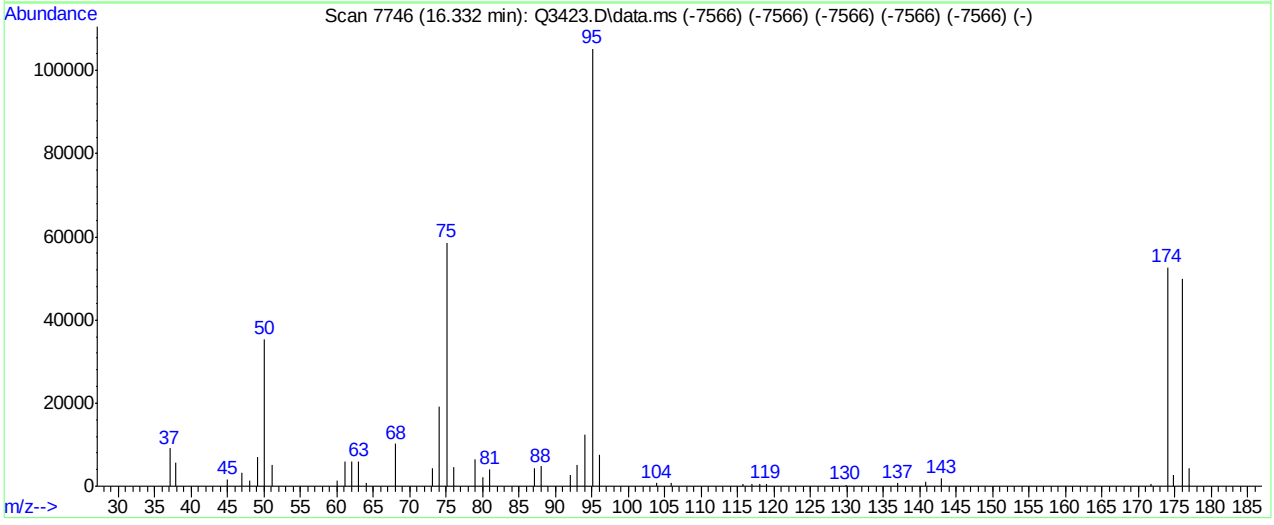
BFB

Data File : C:\msdchem\1\DATA\Q3423.D
Acq On : 17 May 2007 1:49 pm
Sample : CC185-10 (M068)
Misc : MS13593, MSQ187,,,,,1
MS Integration Params: LSCINT.P

Vial: 1
Operator: PhilipB
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q051507T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Scan 7746

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	33.6	35384	PASS
75	95	30	66	55.6	58568	PASS
95	95	100	100	100.0	105315	PASS
96	95	5	9	7.1	7500	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	50.0	52680	PASS
175	174	4	9	5.0	2611	PASS
176	174	93	101	94.9	49976	PASS
177	176	5	9	8.6	4287	PASS

Q3423.D Q051507T.m Thu May 17 15:06:39 2007 RPT1

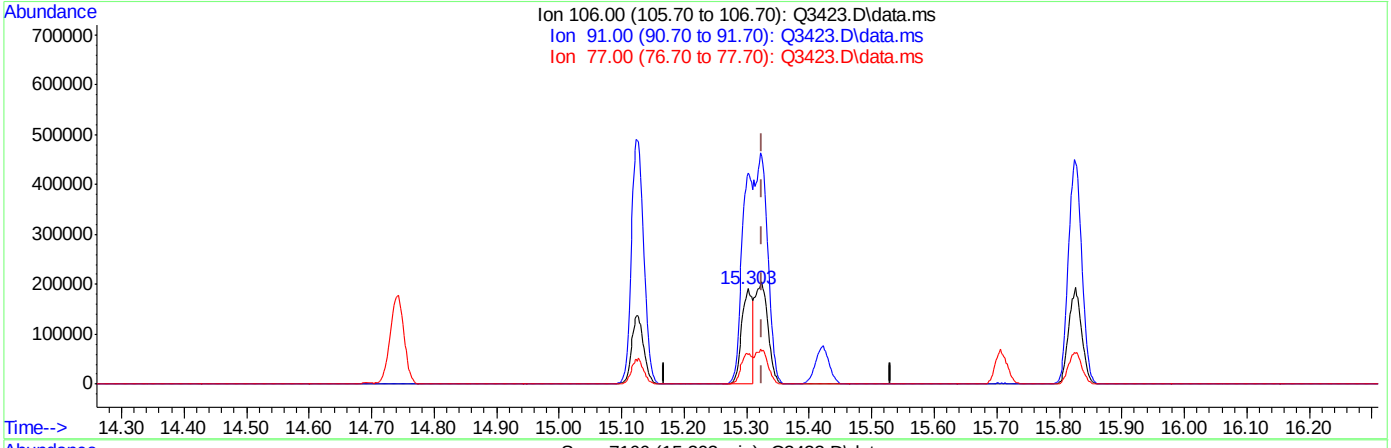
Scan 7746 (16.332 min): Q3423.D\data.ms (-7566) (-7566) (-7566) (-7566) (-7566)
CC185-10 (M068)
Modified:subtracted

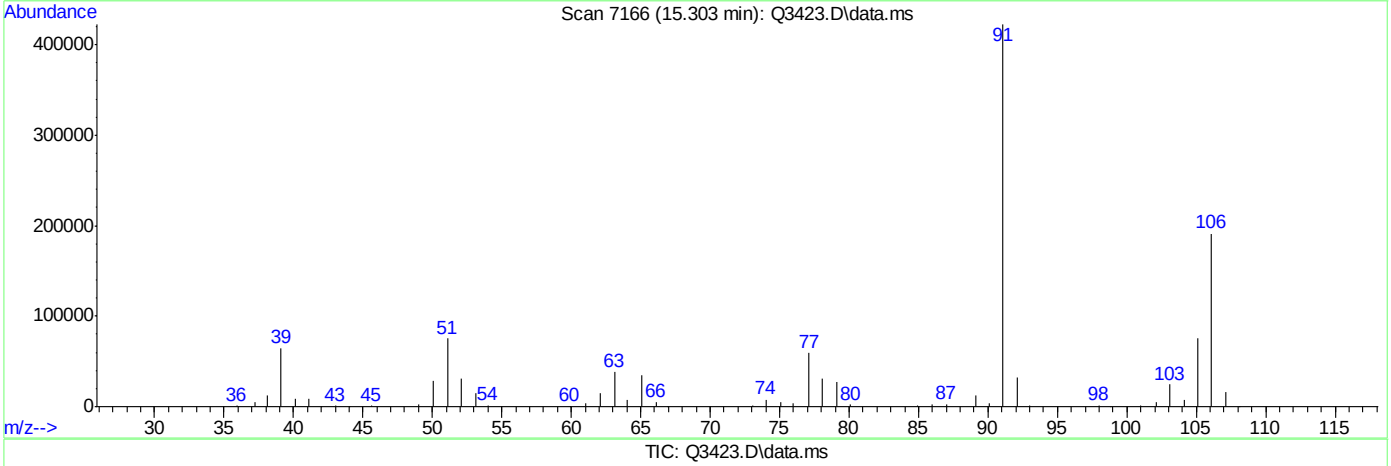
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.10	9092	63.00	6071	88.00	4772	118.90	669
37.90	5710	64.00	854	92.10	2581	129.90	414
45.00	1665	68.10	10198	93.00	5122	137.00	716
47.00	3170	73.10	4394	94.10	12342	140.80	1099
48.10	1306	74.10	19232	95.10	105315	143.00	1944
49.10	7103	75.10	58568	96.10	7500	171.80	558
50.10	35384	76.10	4731	103.90	802	174.00	52680
51.10	5137	79.00	6615	105.90	786	174.90	2611
60.10	1322	80.00	2158	115.70	465	176.00	49976
61.10	6040	81.00	4158	116.90	616	177.00	4287
62.10	5926	87.10	4206	118.00	567		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3423.D
Acq On : 17 May 2007 1:49 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13593, MSQ187,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 17 15:04:18 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3423.D\data.ms

(56) m,p-XYLENE (m)

15.303min (-0.021) 9.65PPBV

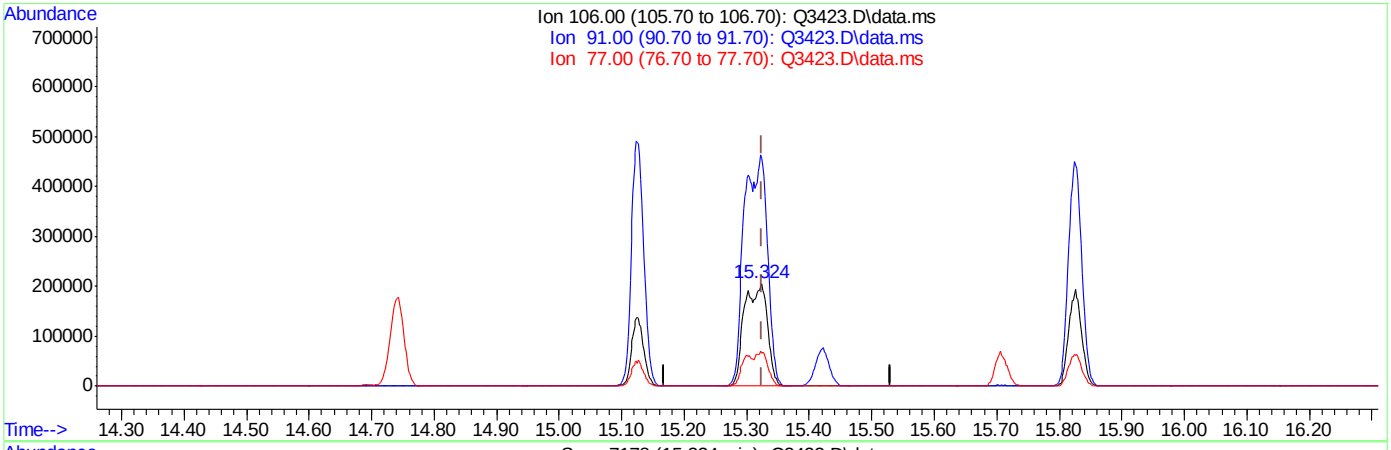
response 231344

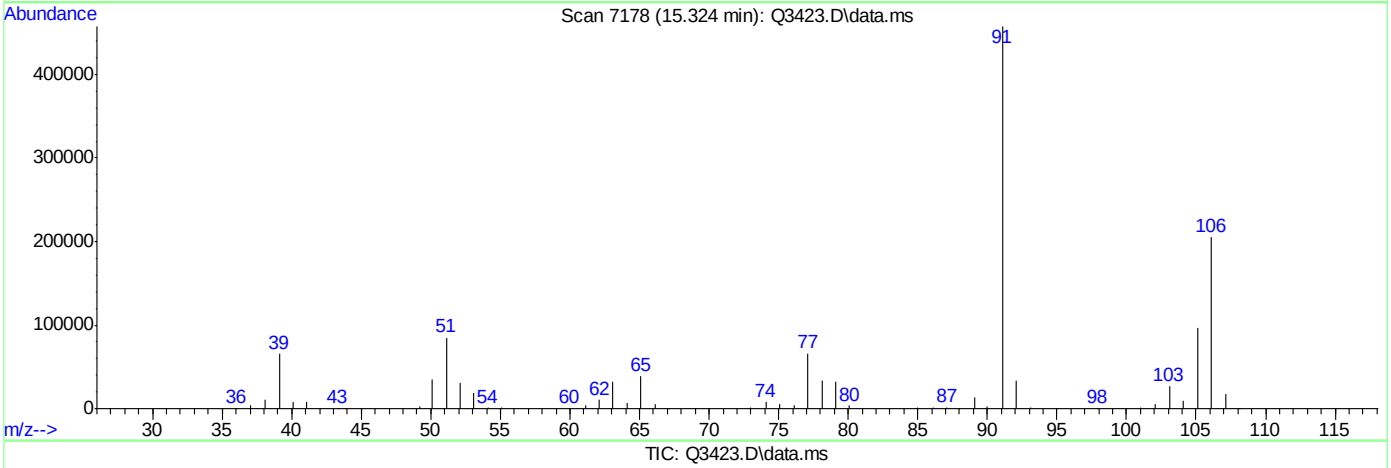
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	221.40
77.00	30.60	31.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3423.D
Acq On : 17 May 2007 1:49 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13593, MSQ187,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 17 15:04:18 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3423.D\data.ms

(56) m,p-XYLENE (m)

15.324min (+0.000) 21.98PPBV m

response 526752

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	222.85
77.00	30.60	32.36
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
06/18/07 12:49

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10644.D
Acq On : 14 Jun 2007 12:15 pm
Operator : danat
Sample : ic552-0.5 (m140)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 14 13:50:12 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 13:48:21 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	328772	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1299333	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.66	117	1030498	10.00	PPBV	-0.01
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.28	95	293965	4.70	PPBV	-0.02
Spiked Amount 5.000	Range 51 - 142		Recovery = 94.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.08	85	63171	0.55	PPBV	100
3) PROPYLENE	4.01	41	9014	0.45	PPBV	86
4) FREON 114	4.34	85	61157	0.58	PPBV	99
5) CHLOROMETHANE	4.24	50	15538	0.56	PPBV	91
6) VINYL CHLORIDE	4.46	62	15944	0.49	PPBV	97
7) 1,3-BUTADIENE	4.59	39	9696	0.44	PPBV	94
8) BROMOMETHANE	4.87	94	20978	0.57	PPBV	98
9) CHLOROETHANE	5.03	64	8533	0.57	PPBV #	76
10) TRICHLOROFLUOROMETHANE	5.80	101	67423	0.57	PPBV	98
11) ISOPROPYL ALCOHOL	6.01	45	29678	0.79	PPBV	85
12) ACETONE	5.71	43	20646	0.46	PPBV	91
13) PENTANE	6.15	42	14686	0.53	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.43	96	19462	0.56	PPBV	92
15) CARBON DISULFIDE	6.86	76	56661	0.54	PPBV	98
16) ETHANOL	5.28	45	5871	0.85	PPBV #	80
17) BROMOETHENE	5.40	106	18995	0.54	PPBV	99
18) METHYLENE CHLORIDE	6.56	84	37425	0.71	PPBV	95
19) 3-CHLOROPROPENE	6.67	39	15775	0.67	PPBV	94
20) FREON 113	6.80	151	46947	0.61	PPBV	96
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	18568	0.56	PPBV	95
22) TERTIARY BUTYL ALCOHOL	6.62	59	26765	0.64	PPBV	74
23) METHYL TERTIARY BUTYL ETHE	7.78	73	30225	0.44	PPBV	97
24) TETRAHYDROFURAN	9.24	42	6834	0.30	PPBV #	46
25) HEXANE	8.64	57	22844	0.50	PPBV	96
26) VINYL ACETATE	7.82	43	19526m	0.44	PPBV	
27) 1,1-DICHLOROETHANE	7.66	63	32727	0.59	PPBV	99
28) METHYL ETHYL KETONE	8.12	43	17104	0.43	PPBV	75
29) cis-1,2-DICHLOROETHYLENE	8.46	96	18487	0.57	PPBV	96
30) ETHYL ACETATE	8.72	43	18993	0.44	PPBV #	95
31) CHLOROFORM	8.74	83	42958	0.55	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	52663	0.62	PPBV	99
33) CARBON TETRACHLORIDE	10.25	117	59103	0.59	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	23701	0.54	PPBV	97
36) BENZENE	10.12	78	44230	0.62	PPBV	99
37) CYCLOHEXANE	10.37	84	15462	0.48	PPBV	98
38) TRICHLOROETHYLENE	11.12	95	20896	0.56	PPBV	98
39) 1,2-DICHLOROPROPANE	10.90	63	13905	0.57	PPBV	95
40) BROMODICHLOROMETHANE	11.08	83	38252	0.60	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	56796	0.54	PPBV	96
42) 1,4-DIOXANE	11.24	88	11549	0.98	PPBV	90
43) HEPTANE	11.36	43	16773	0.49	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10644.D
Acq On : 14 Jun 2007 12:15 pm
Operator : danat
Sample : ic552-0.5 (m140)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 14 13:50:12 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 13:48:21 2007
Response via : Initial Calibration

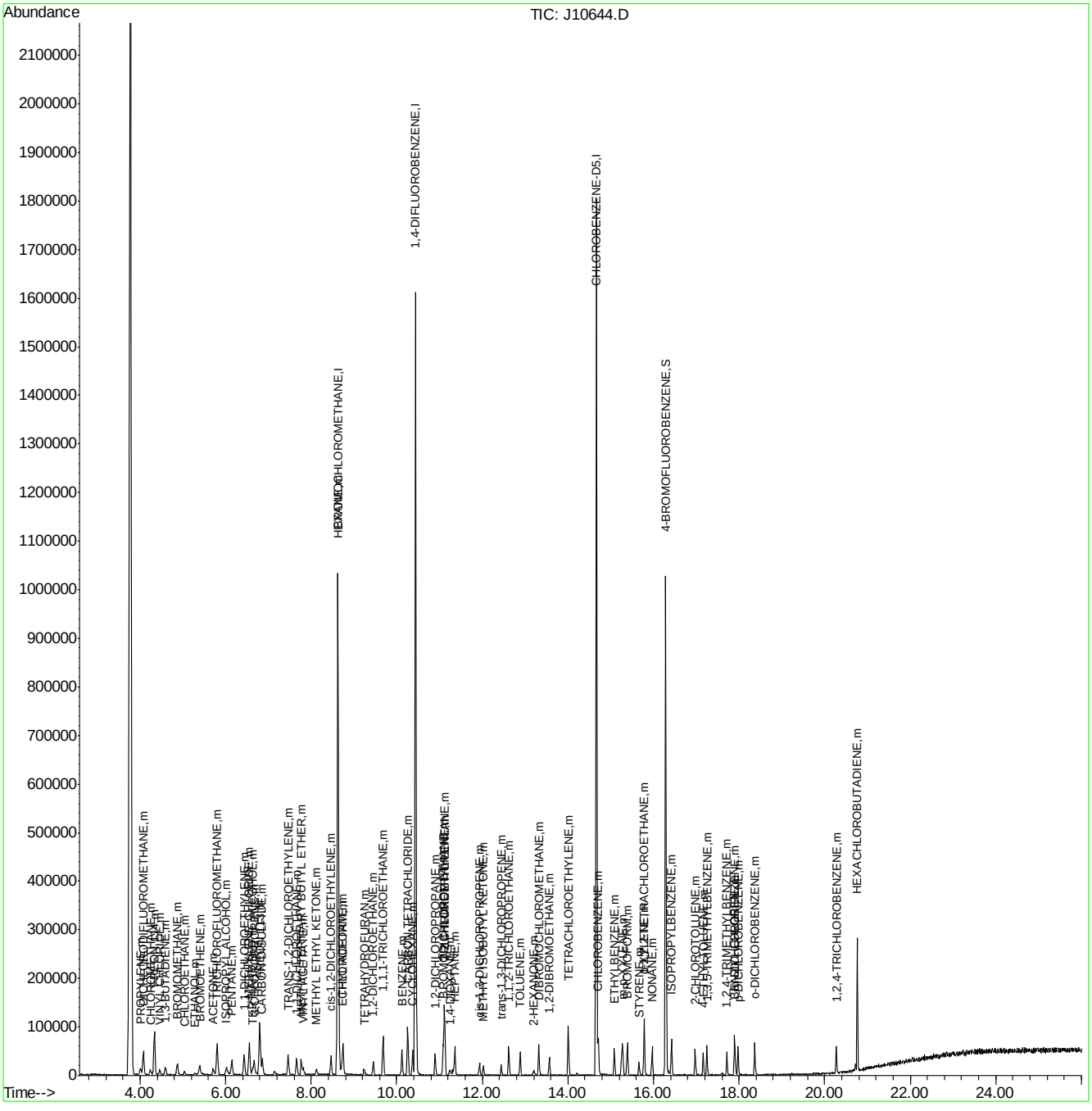
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	13864	0.34	PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.93	75	14103	0.42	PPBV	99
46) TOLUENE	12.89	92	20146	0.41	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.44	75	11446	0.38	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.61	83	14120	0.54	PPBV	97
50) 2-HEXANONE	13.20	43	10180	0.38	PPBV	80
51) TETRACHLOROETHYLENE	14.01	164	23865	0.59	PPBV	98
52) DIBROMOCHLOROMETHANE	13.32	129	33974	0.60	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	23554	0.59	PPBV	97
54) CHLOROBENZENE	14.71	112	39559	0.64	PPBV	98
55) ETHYLBENZENE	15.09	91	35187	0.39	PPBV	97
56) m,p-XYLENE	15.28	106	30767m	0.86	PPBV	
57) o-XYLENE	15.78	106	14776	0.40	PPBV	92
58) STYRENE	15.66	104	14281	0.32	PPBV	99
59) NONANE	15.97	43	15421	0.40	PPBV	97
60) BROMOFORM	15.39	173	31340	0.55	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	32245	0.58	PPBV	99
63) ISOPROPYLBENZENE	16.42	105	42467	0.40	PPBV	98
64) 2-CHLOROTOLUENE	16.97	91	28208	0.39	PPBV	98
65) 4-ETHYLTOLUENE	17.16	105	27968	0.31	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.24	105	30027	0.35	PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	22894	0.29	PPBV	96
68) m-DICHLOROBENZENE	17.90	146	30907	0.56	PPBV	98
69) BENZYL CHLORIDE	17.88	91	15818	0.38	PPBV	100
70) p-DICHLOROBENZENE	17.98	146	27113	0.54	PPBV	97
71) o-DICHLOROBENZENE	18.37	146	28772	0.54	PPBV	97
72) HEXACHLOROBUTADIENE	20.76	225	47079	1.03	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	18041	0.98	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10644.D
Acq On : 14 Jun 2007 12:15 pm
Operator : danat
Sample : ic552-0.5 (m140)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 14 13:50:12 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 13:48:21 2007
Response via : Initial Calibration

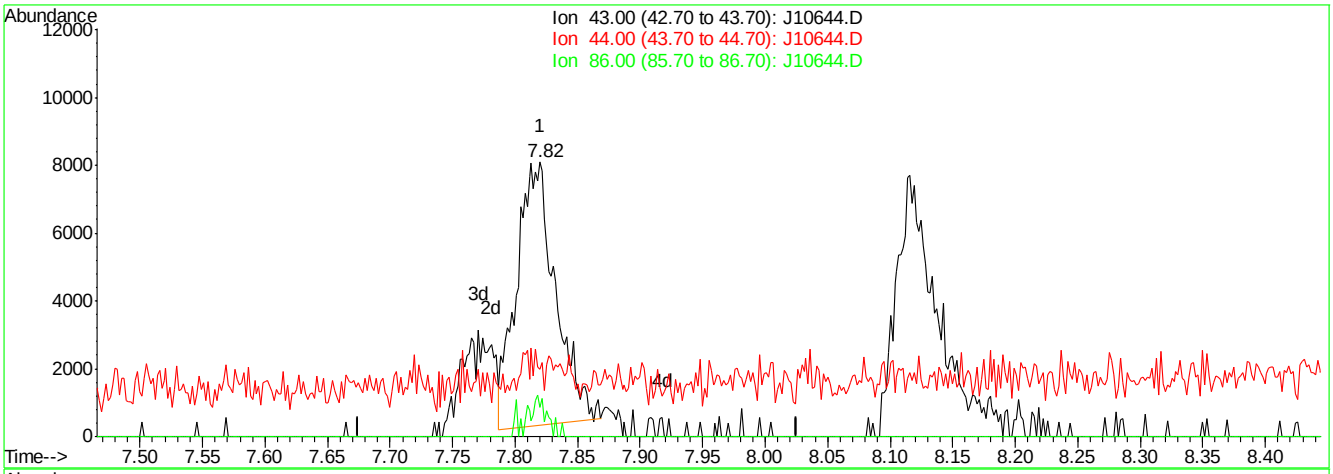


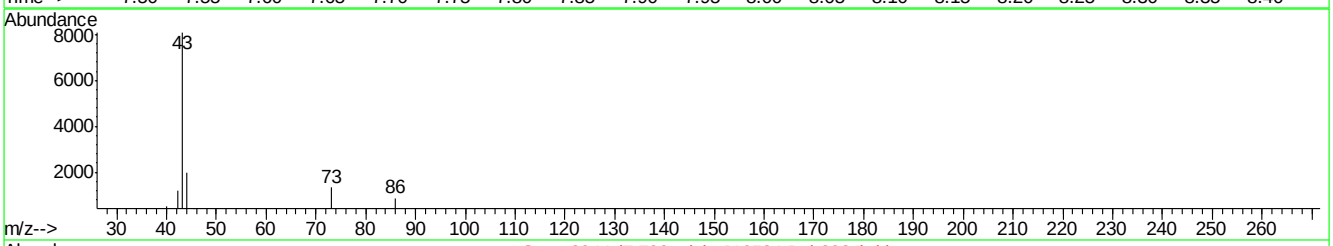
Quantitation Report (Qedit)

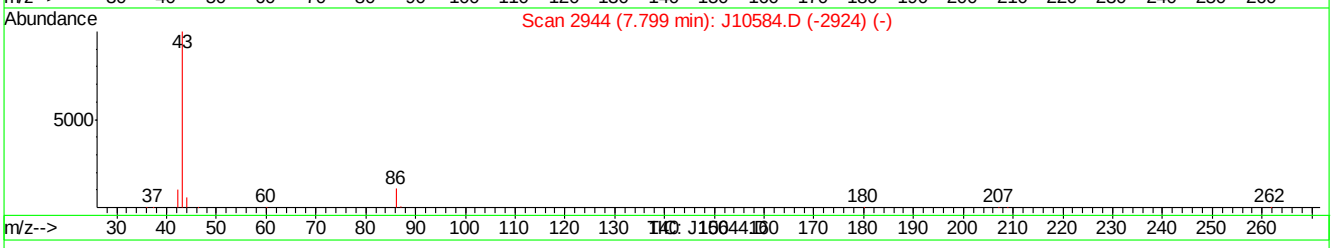
Data File : C:\MSDChem\1\data\J10644.D Vial: 1
Acq On : 14 Jun 2007 12:15 pm Operator: danat
Sample : ic552-0.5 (m140) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 13:48:34 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 13:48:21 2007
Response via : Multiple Level Calibration







(26) VINYL ACETATE (m)

7.82min 0.38PPBV

response 17001

Ion	Exp%	Act%
43.00	100	100
44.00	6.90	6.09
86.00	8.90	6.45
0.00	0.00	0.00

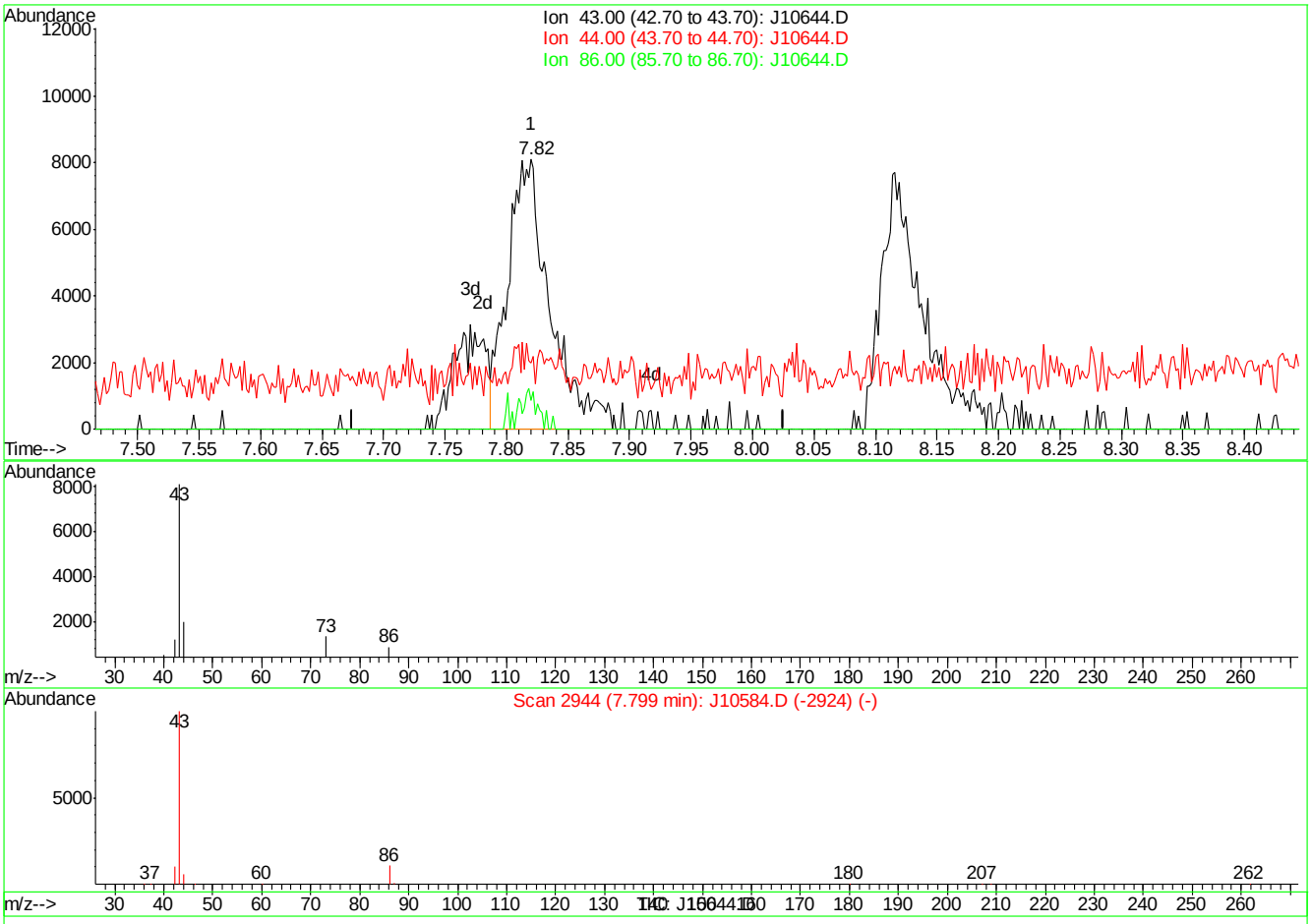
J10644.D J061407T.M Thu Jun 14 13:49:31 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10644.D Vial: 1
Acq On : 14 Jun 2007 12:15 pm Operator: danat
Sample : ic552-0.5 (m140) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 13:48:34 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 13:48:21 2007
Response via : Multiple Level Calibration



(26) VINYL ACETATE (m)

7.82min 0.44PPBV m

response 19526

Ion	Exp%	Act%
43.00	100	100
44.00	6.90	5.31
86.00	8.90	5.61
0.00	0.00	0.00

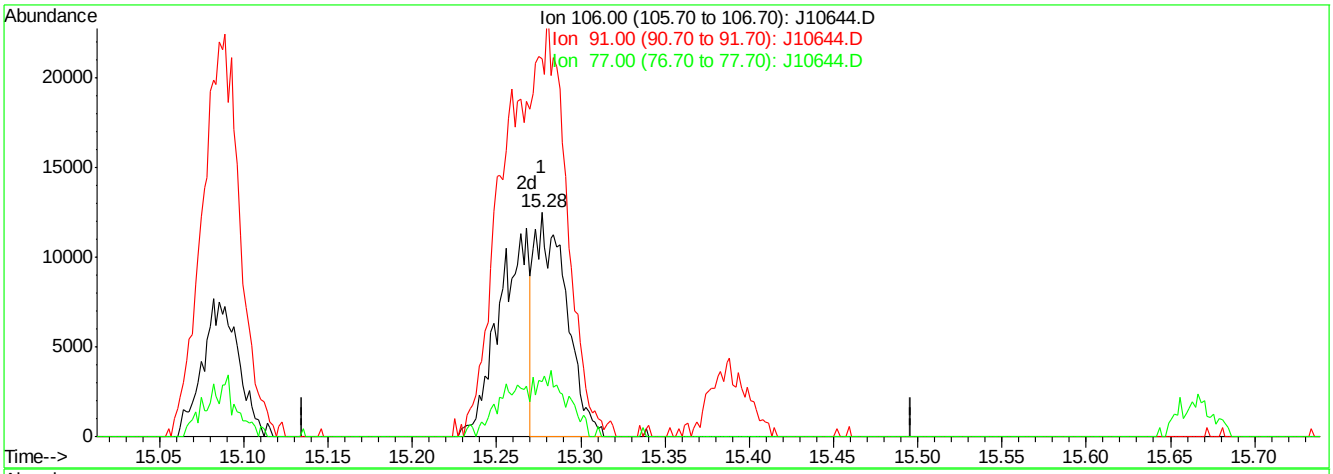
J10644.D J061407T.M Thu Jun 14 13:49:39 2007

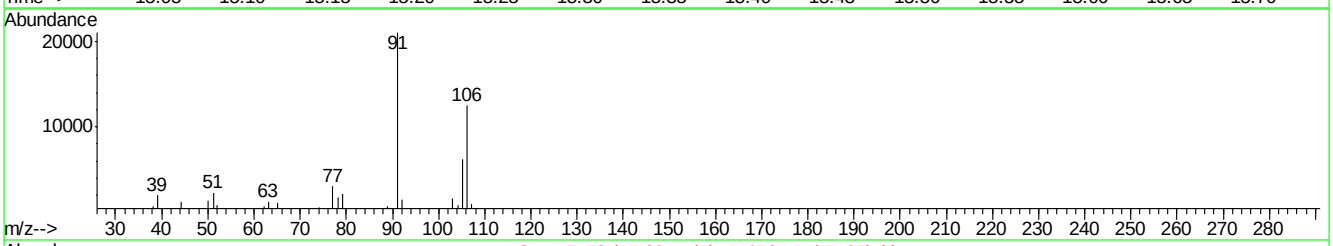
Quantitation Report (Qedit)

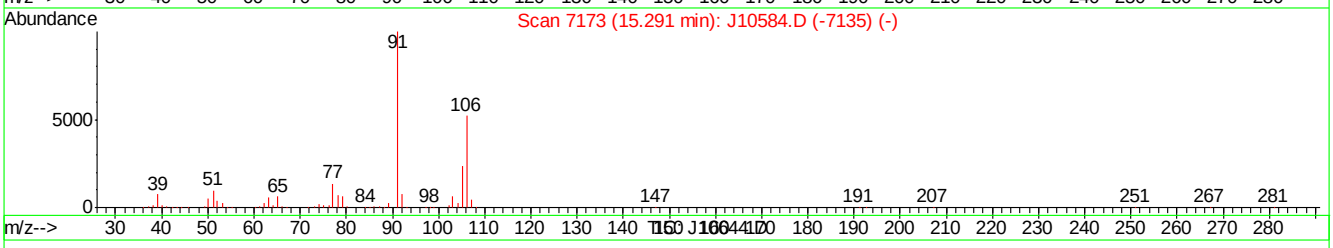
Data File : C:\MSDChem\1\data\J10644.D Vial: 1
Acq On : 14 Jun 2007 12:15 pm Operator: danat
Sample : ic552-0.5 (m140) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 13:48:34 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 13:48:21 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.28min 0.46PPBV

response 16455

Ion	Exp%	Act%
106.00	100	100
91.00	191.60	168.24
77.00	25.70	24.64
0.00	0.00	0.00

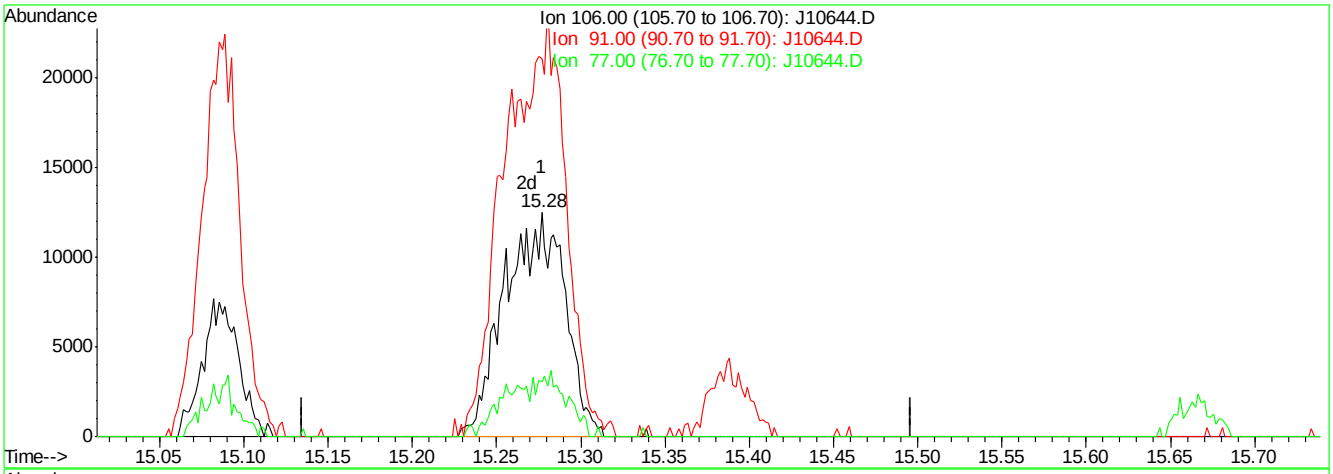
J10644.D J061407T.M Thu Jun 14 13:50:11 2007

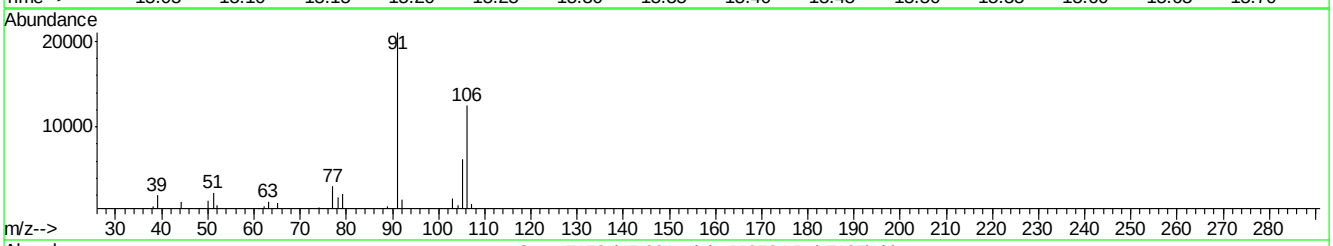
Quantitation Report (Qedit)

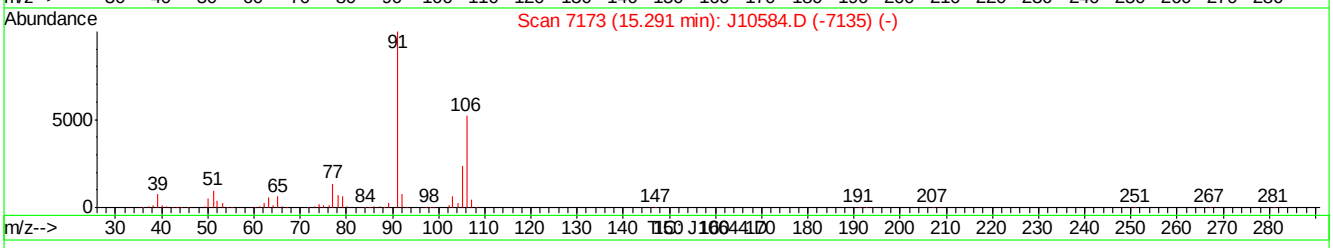
Data File : C:\MSDChem\1\data\J10644.D Vial: 1
Acq On : 14 Jun 2007 12:15 pm Operator: danat
Sample : ic552-0.5 (m140) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 13:48:34 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 13:48:21 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.28min 0.86PPBV m

response 30767

Ion	Exp%	Act%
106.00	100	100
91.00	191.60	168.24
77.00	25.70	24.64
0.00	0.00	0.00

J10644.D J061407T.M Thu Jun 14 13:50:16 2007

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 06/18/07 12:49

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10645.D
Acq On : 14 Jun 2007 1:04 pm
Operator : danat
Sample : ic552-0.2 (m140)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 14 13:53:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 13:48:21 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	288795	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1161747	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.66	117	936380	10.00	PPBV	-0.02
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.28	95	223219	3.93	PPBV	-0.02
Spiked Amount 5.000	Range 51 - 142		Recovery = 78.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	24896	0.25	PPBV	97
3) PROPYLENE	4.00	41	3127	0.18	PPBV #	65
4) FREON 114	4.33	85	22045	0.24	PPBV	96
5) CHLOROMETHANE	4.24	50	5029m	0.21	PPBV	
6) VINYL CHLORIDE	4.45	62	4866	0.17	PPBV #	61
7) 1,3-BUTADIENE	4.59	39	2804	0.14	PPBV #	72
8) BROMOMETHANE	4.86	94	6852	0.21	PPBV #	13
9) CHLOROETHANE	5.04	64	2109m	0.16	PPBV	
10) TRICHLOROFLUOROMETHANE	5.79	101	25650	0.25	PPBV	96
13) PENTANE	6.14	42	4861	0.20	PPBV	91
14) 1,1-DICHLOROETHYLENE	6.42	96	5838	0.19	PPBV	96
15) CARBON DISULFIDE	6.85	76	21192	0.23	PPBV	88
17) BROMOETHENE	5.39	106	5525	0.18	PPBV #	94
18) METHYLENE CHLORIDE	6.55	84	14930	0.32	PPBV	93
19) 3-CHLOROPROPENE	6.65	39	3231	0.16	PPBV #	50
20) FREON 113	6.79	151	16769	0.25	PPBV	92
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	5817	0.20	PPBV #	8
23) METHYL TERTIARY BUTYL ETHE	7.79	73	8053	0.13	PPBV #	66
25) HEXANE	8.64	57	8494	0.21	PPBV	90
27) 1,1-DICHLOROETHANE	7.65	63	9980	0.20	PPBV	75
28) METHYL ETHYL KETONE	8.14	43	6362	0.18	PPBV	80
29) cis-1,2-DICHLOROETHYLENE	8.46	96	5537	0.19	PPBV	97
30) ETHYL ACETATE	8.73	43	7036	0.19	PPBV #	86
31) CHLOROFORM	8.74	83	13337	0.19	PPBV	92
32) 1,1,1-TRICHLOROETHANE	9.67	97	15391	0.21	PPBV	99
33) CARBON TETRACHLORIDE	10.25	117	19306	0.22	PPBV	94
34) 1,2-DICHLOROETHANE	9.45	62	6677	0.17	PPBV	90
36) BENZENE	10.12	78	11654	0.18	PPBV	92
37) CYCLOHEXANE	10.37	84	4033	0.14	PPBV	96
38) TRICHLOROETHYLENE	11.11	95	6030	0.18	PPBV	98
39) 1,2-DICHLOROPROPANE	10.90	63	3754	0.17	PPBV	79
40) BROMODICHLOROMETHANE	11.09	83	12383	0.22	PPBV	96
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	12405	0.13	PPBV	87
43) HEPTANE	11.36	43	3964	0.13	PPBV #	50
45) cis-1,3-DICHLOROPROPENE	11.93	75	3274	0.11	PPBV	95
46) TOLUENE	12.89	92	4908	0.11	PPBV #	1
47) trans-1,3-DICHLOROPROPENE	12.44	75	2817	0.10	PPBV #	78
48) 1,1,2-TRICHLOROETHANE	12.62	83	4356	0.19	PPBV	97
51) TETRACHLOROETHYLENE	14.01	164	7437	0.20	PPBV	94
52) DIBROMOCHLOROMETHANE	13.32	129	10609	0.21	PPBV	99
53) 1,2-DIBROMOETHANE	13.56	107	6089	0.17	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10645.D
Acq On : 14 Jun 2007 1:04 pm
Operator : danat
Sample : ic552-0.2 (m140)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 14 13:53:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 13:48:21 2007
Response via : Initial Calibration

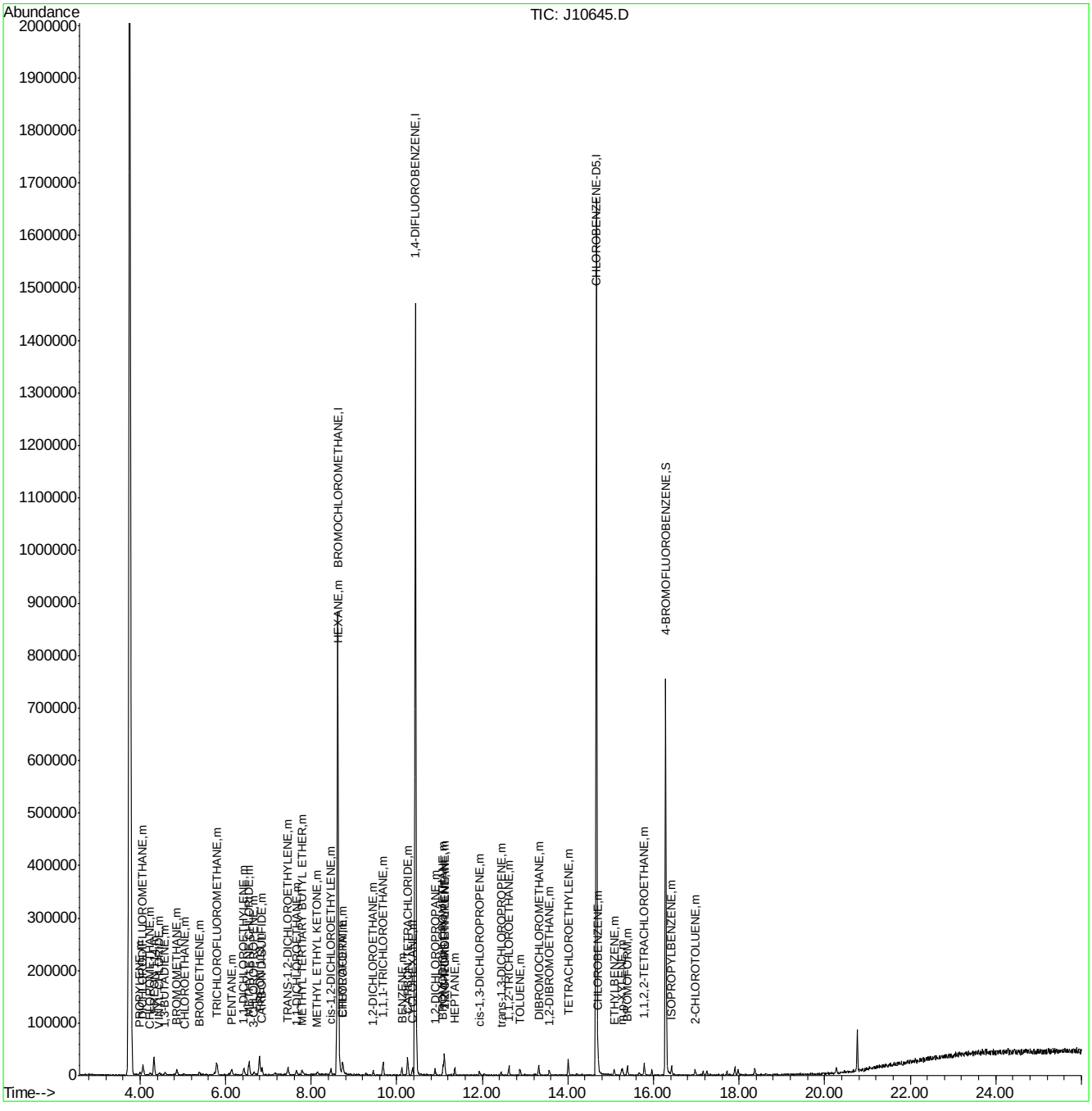
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) CHLOROBENZENE	14.71	112	12027	0.21	PPBV	100
55) ETHYLBENZENE	15.09	91	8568	0.10	PPBV	91
56) m,p-XYLENE	15.26	106	6449m	0.20	PPBV	
60) BROMOFORM	15.39	173	8741	0.17	PPBV	94
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	8229	0.16	PPBV	97
63) ISOPROPYLBENZENE	16.42	105	9772	0.10	PPBV	96
64) 2-CHLOROTOLUENE	16.97	91	6505	0.10	PPBV	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10645.D
Acq On : 14 Jun 2007 1:04 pm
Operator : danat
Sample : ic552-0.2 (m140)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 14 13:53:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 13:48:21 2007
Response via : Initial Calibration

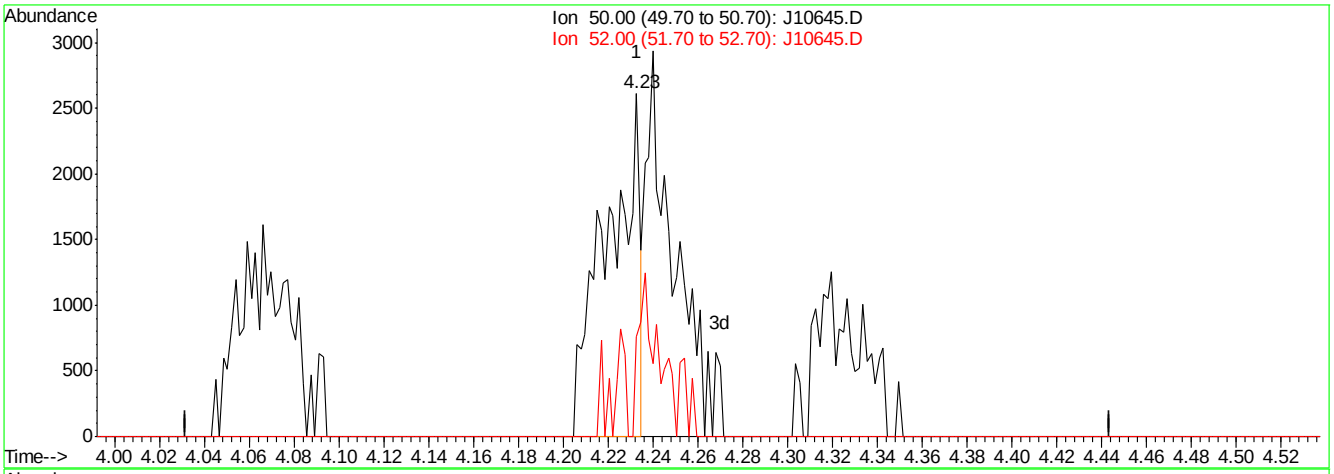


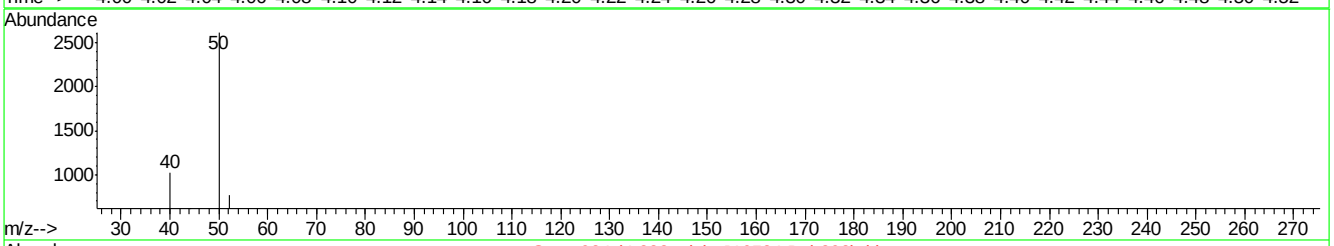
Quantitation Report (Qedit)

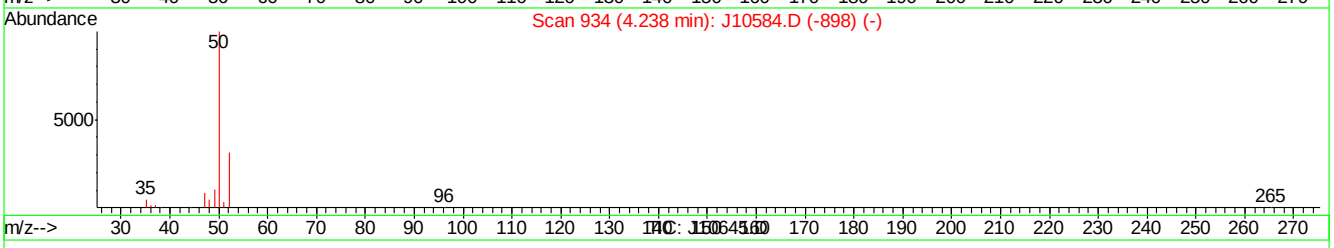
Data File : C:\MSDChem\1\data\J10645.D Vial: 1
Acq On : 14 Jun 2007 1:04 pm Operator: danat
Sample : ic552-0.2 (m140) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 13:50:43 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 13:48:21 2007
Response via : Multiple Level Calibration







(5) CHLOROMETHANE (m)

4.23min 0.11PPBV

response 2613

Ion	Exp%	Act%
50.00	100	100
52.00	31.70	17.20
0.00	0.00	0.00
0.00	0.00	0.00

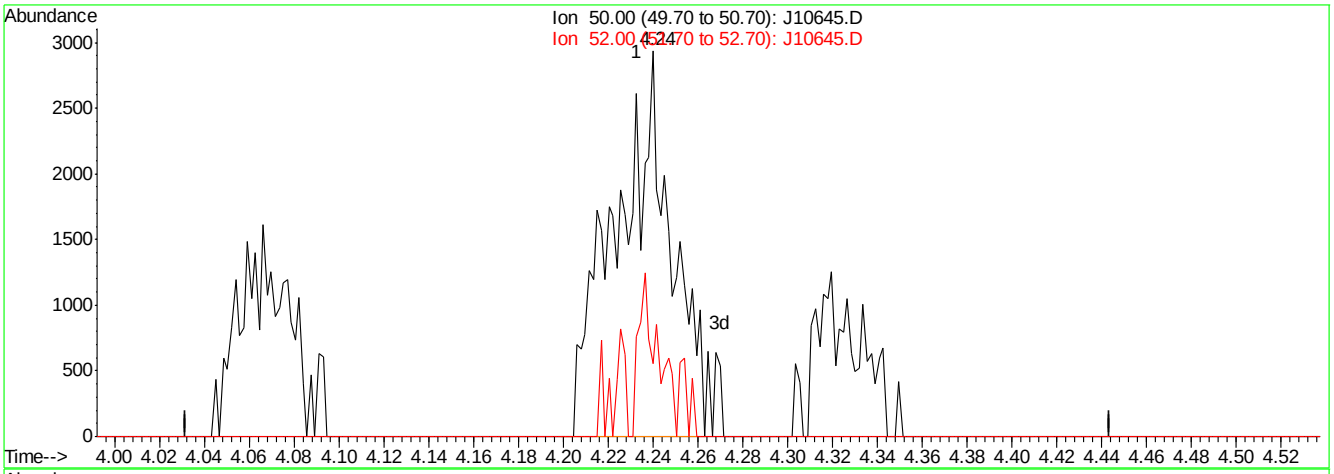
J10645.D J061407T.M Thu Jun 14 13:51:11 2007

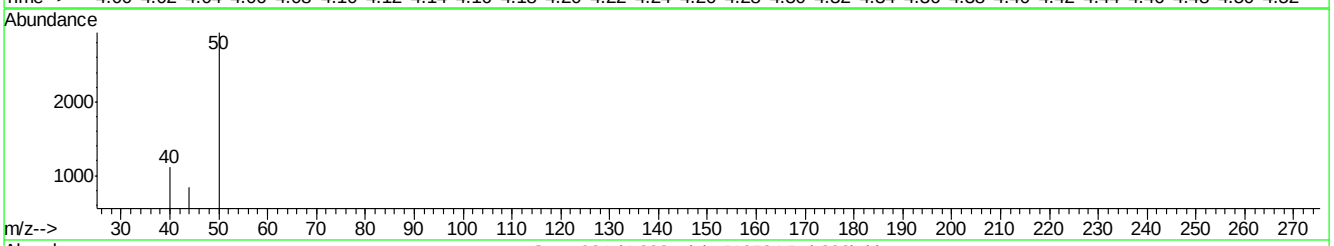
Quantitation Report (Qedit)

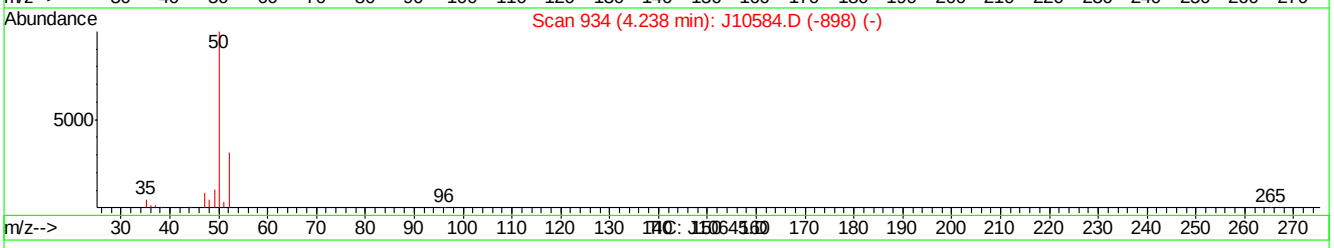
Data File : C:\MSDChem\1\data\J10645.D Vial: 1
Acq On : 14 Jun 2007 1:04 pm Operator: danat
Sample : ic552-0.2 (m140) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 13:50:43 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 13:48:21 2007
Response via : Multiple Level Calibration







(5) CHLOROMETHANE (m)

4.24min 0.21PPBV m

response 5029

Ion	Exp%	Act%
50.00	100	100
52.00	31.70	18.81
0.00	0.00	0.00
0.00	0.00	0.00

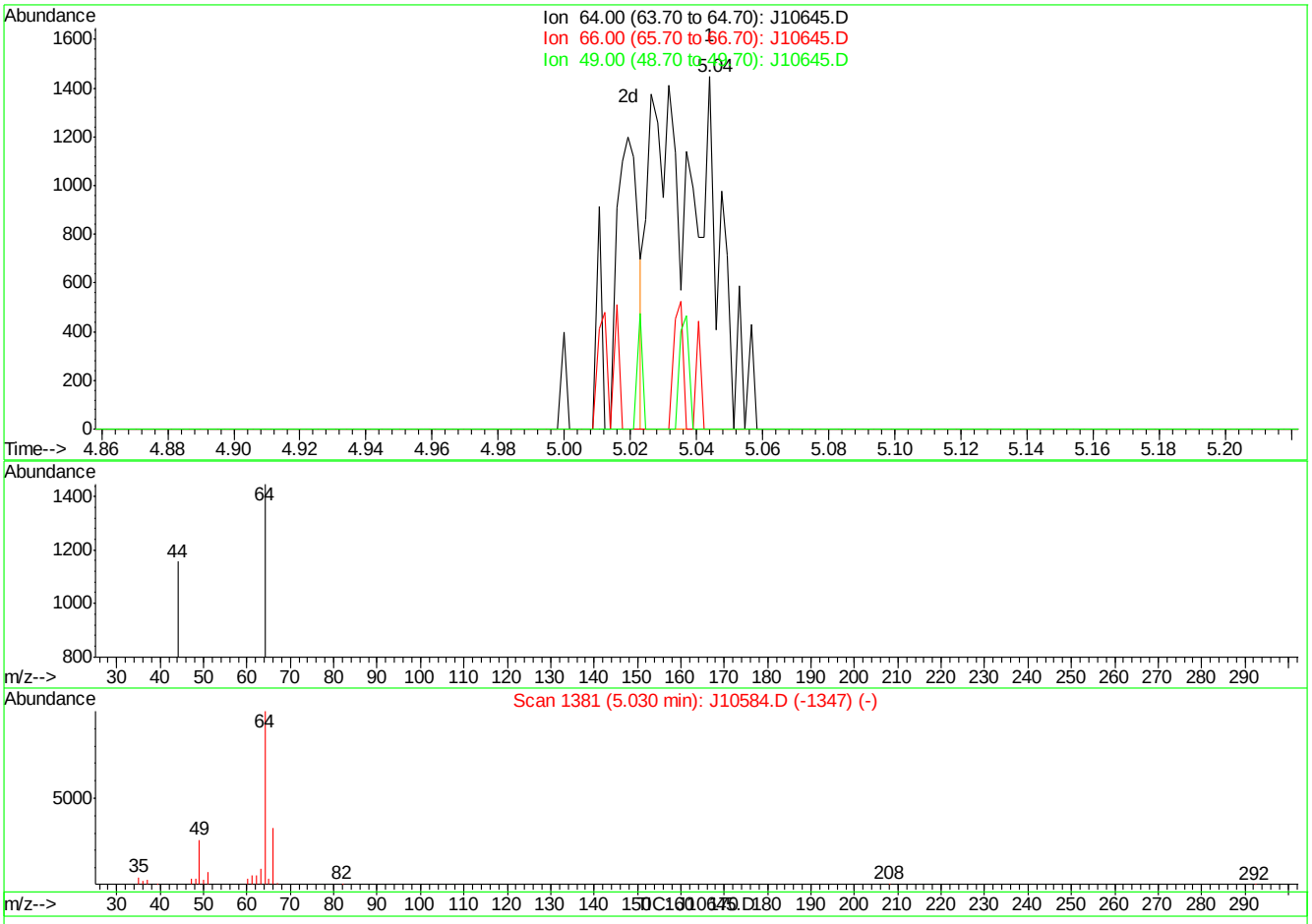
J10645.D J061407T.M Thu Jun 14 13:51:16 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10645.D Vial: 1
Acq On : 14 Jun 2007 1:04 pm Operator: danat
Sample : ic552-0.2 (m140) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 13:50:43 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 13:48:21 2007
Response via : Multiple Level Calibration



(9) CHLOROETHANE (m)

5.04min 0.12PPBV

response 1637

Ion	Exp%	Act%
64.00	100	100
66.00	32.90	9.22#
49.00	28.80	5.62#
0.00	0.00	0.00

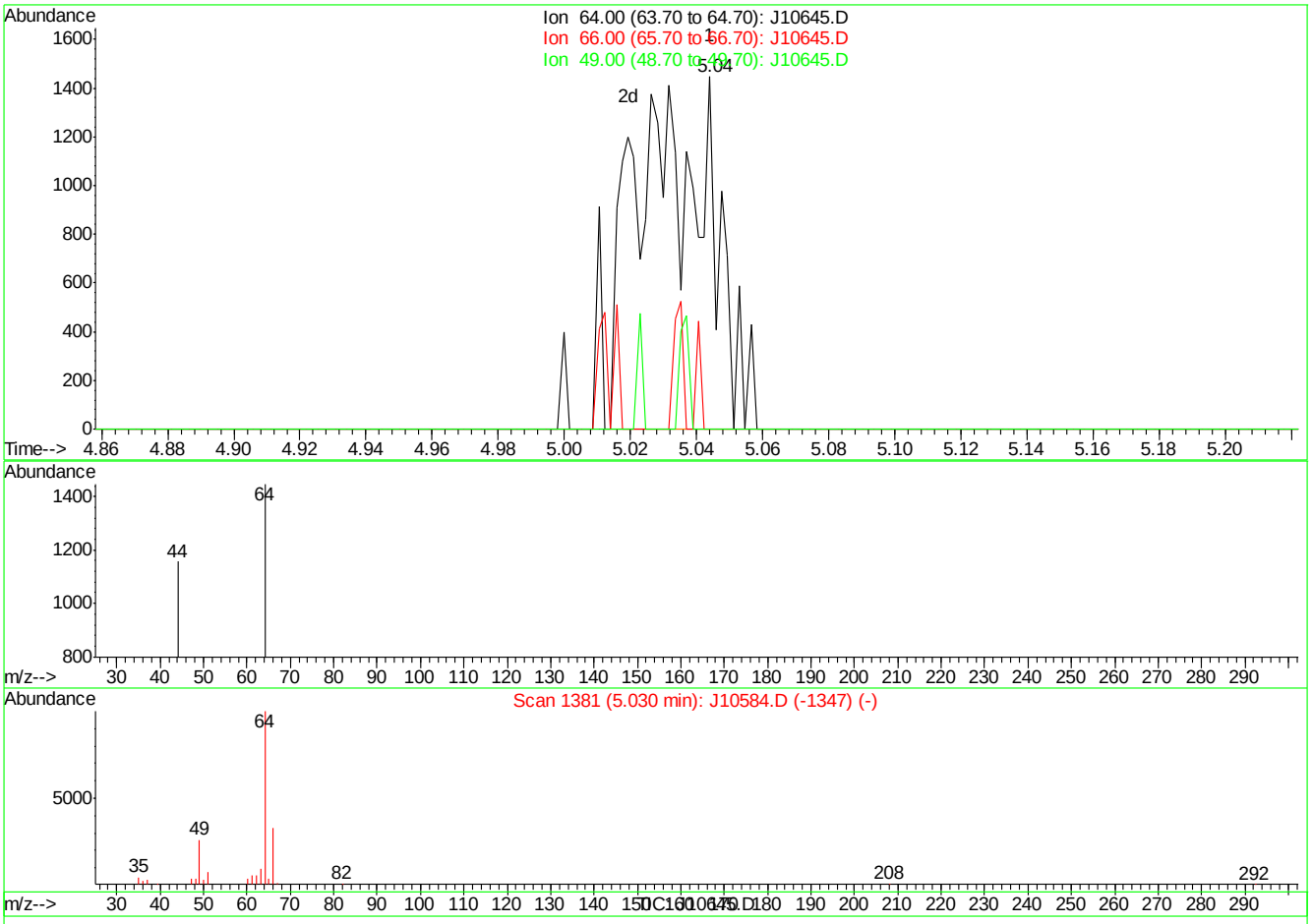
J10645.D J061407T.M Thu Jun 14 13:51:30 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10645.D Vial: 1
Acq On : 14 Jun 2007 1:04 pm Operator: danat
Sample : ic552-0.2 (m140) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 13:50:43 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 13:48:21 2007
Response via : Multiple Level Calibration



(9) CHLOROETHANE (m)

5.04min 0.16PPBV m

response 2109

Ion	Exp%	Act%
64.00	100	100
66.00	32.90	7.16#
49.00	28.80	4.36#
0.00	0.00	0.00

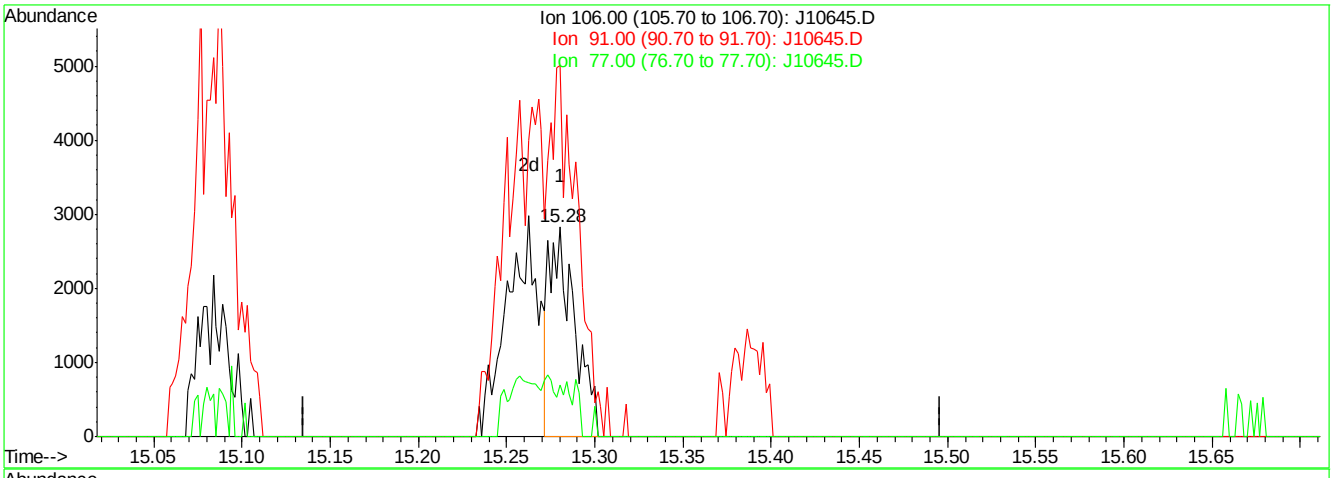
J10645.D J061407T.M Thu Jun 14 13:51:35 2007

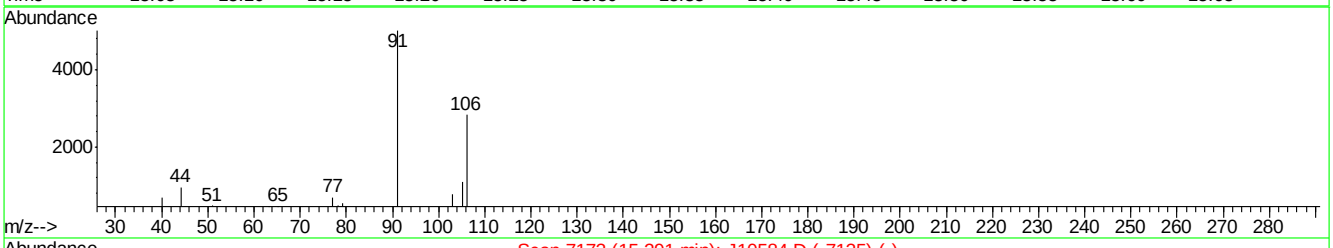
Quantitation Report (Qedit)

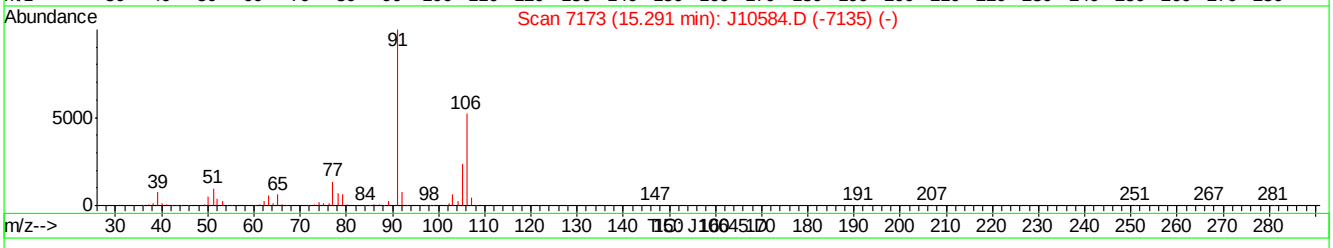
Data File : C:\MSDChem\1\data\J10645.D Vial: 1
Acq On : 14 Jun 2007 1:04 pm Operator: danat
Sample : ic552-0.2 (m140) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 13:50:43 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 13:48:21 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.28min 0.09PPBV

response 2812

Ion	Exp%	Act%
106.00	100	100
91.00	191.60	177.40
77.00	25.70	24.37
0.00	0.00	0.00

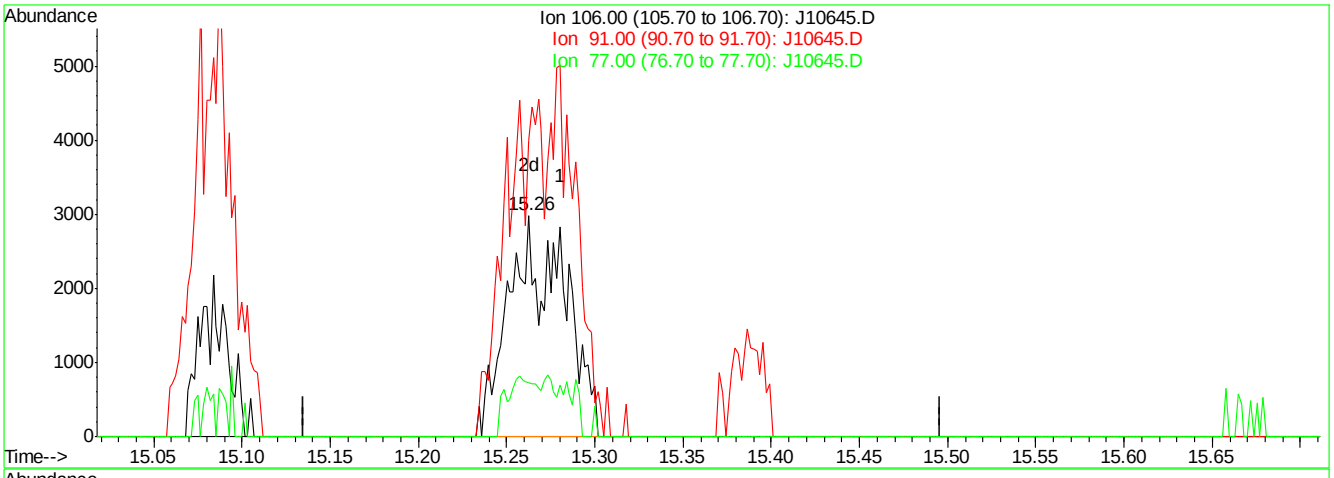
J10645.D J061407T.M Thu Jun 14 13:52:59 2007

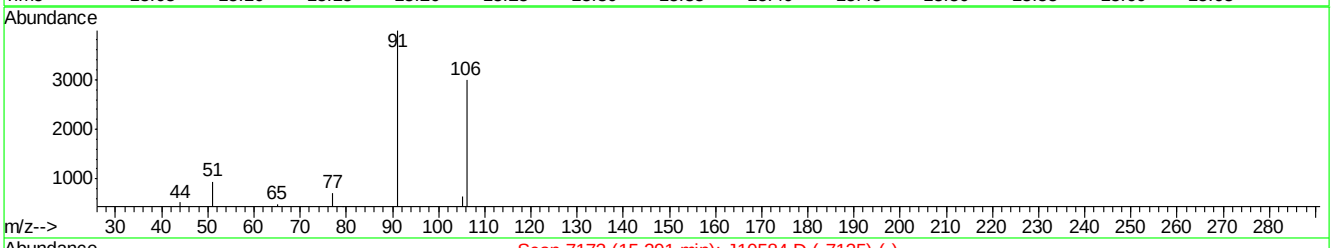
Quantitation Report (Qedit)

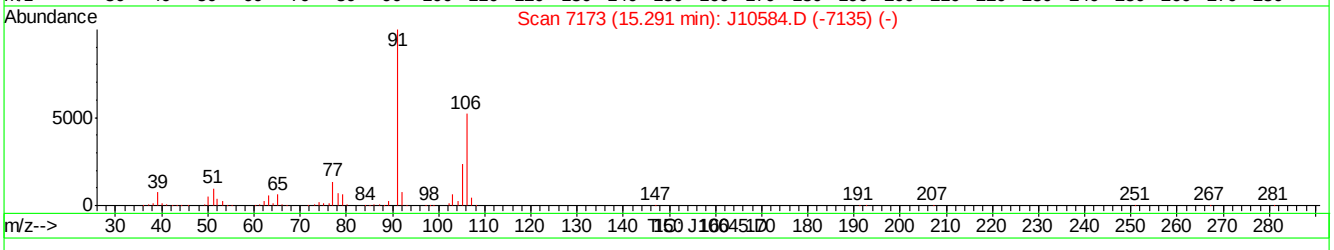
Data File : C:\MSDChem\1\data\J10645.D Vial: 1
Acq On : 14 Jun 2007 1:04 pm Operator: danat
Sample : ic552-0.2 (m140) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 13:50:43 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 13:48:21 2007
Response via : Multiple Level Calibration







(56) m,p-XYLENE (m)

15.26min 0.20PPBV m

response 6449

Ion	Exp%	Act%
106.00	100	100
91.00	191.60	133.57#
77.00	25.70	24.13
0.00	0.00	0.00

J10645.D J061407T.M Thu Jun 14 13:53:03 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10646.D
Acq On : 14 Jun 2007 2:11 pm
Operator : danat
Sample : ic552-2 (m140)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 14 14:45:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 13:48:21 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	285081	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1131211	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	964799	10.00	PPBV	-0.01
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	294904	5.04	PPBV	-0.01
Spiked Amount 5.000	Range 51 - 142		Recovery = 100.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	243296	2.44	PPBV	99
3) PROPYLENE	4.00	41	33788	1.95	PPBV	95
4) FREON 114	4.33	85	228844	2.49	PPBV	98
5) CHLOROMETHANE	4.23	50	53583	2.23	PPBV	96
6) VINYL CHLORIDE	4.45	62	63853	2.26	PPBV	95
7) 1,3-BUTADIENE	4.59	39	40556	2.11	PPBV	97
8) BROMOMETHANE	4.87	94	76310	2.37	PPBV	97
9) CHLOROETHANE	5.03	64	31084	2.40	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.80	101	260581	2.55	PPBV	99
11) ISOPROPYL ALCOHOL	5.95	45	71914	2.20	PPBV	74
12) ACETONE	5.67	43	88179	2.28	PPBV	98
13) PENTANE	6.14	42	53741	2.24	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.43	96	71215	2.37	PPBV	92
15) CARBON DISULFIDE	6.85	76	215604	2.38	PPBV	99
16) ETHANOL	5.24	45	13910	2.32	PPBV	80
17) BROMOETHENE	5.39	106	65928	2.18	PPBV	98
18) METHYLENE CHLORIDE	6.55	84	101689	2.24	PPBV	97
19) 3-CHLOROPROPENE	6.66	39	46414	2.28	PPBV	95
20) FREON 113	6.80	151	171931	2.59	PPBV	96
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	70181	2.43	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.56	59	87519	2.42	PPBV	78
23) METHYL TERTIARY BUTYL ETHE	7.74	73	125188	2.08	PPBV	98
24) TETRAHYDROFURAN	9.19	42	35975	1.83	PPBV	97
25) HEXANE	8.63	57	82434	2.07	PPBV	95
26) VINYL ACETATE	7.80	43	74418	1.94	PPBV	91
27) 1,1-DICHLOROETHANE	7.66	63	121801	2.53	PPBV	100
28) METHYL ETHYL KETONE	8.08	43	83464	2.42	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.46	96	66225	2.35	PPBV	98
30) ETHYL ACETATE	8.70	43	88183	2.36	PPBV	99
31) CHLOROFORM	8.74	83	166350	2.45	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	195458	2.64	PPBV	100
33) CARBON TETRACHLORIDE	10.25	117	231447	2.65	PPBV	100
34) 1,2-DICHLOROETHANE	9.44	62	89342	2.37	PPBV	99
36) BENZENE	10.12	78	164610	2.64	PPBV	99
37) CYCLOHEXANE	10.37	84	70384	2.50	PPBV	98
38) TRICHLOROETHYLENE	11.11	95	90778	2.77	PPBV	98
39) 1,2-DICHLOROPROPANE	10.89	63	56323	2.64	PPBV	95
40) BROMODICHLOROMETHANE	11.09	83	154494	2.77	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	260998	2.86	PPBV	97
42) 1,4-DIOXANE	11.20	88	32833	3.19	PPBV	97
43) HEPTANE	11.36	43	78125	2.60	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10646.D
Acq On : 14 Jun 2007 2:11 pm
Operator : danat
Sample : ic552-2 (m140)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 14 14:45:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 13:48:21 2007
Response via : Initial Calibration

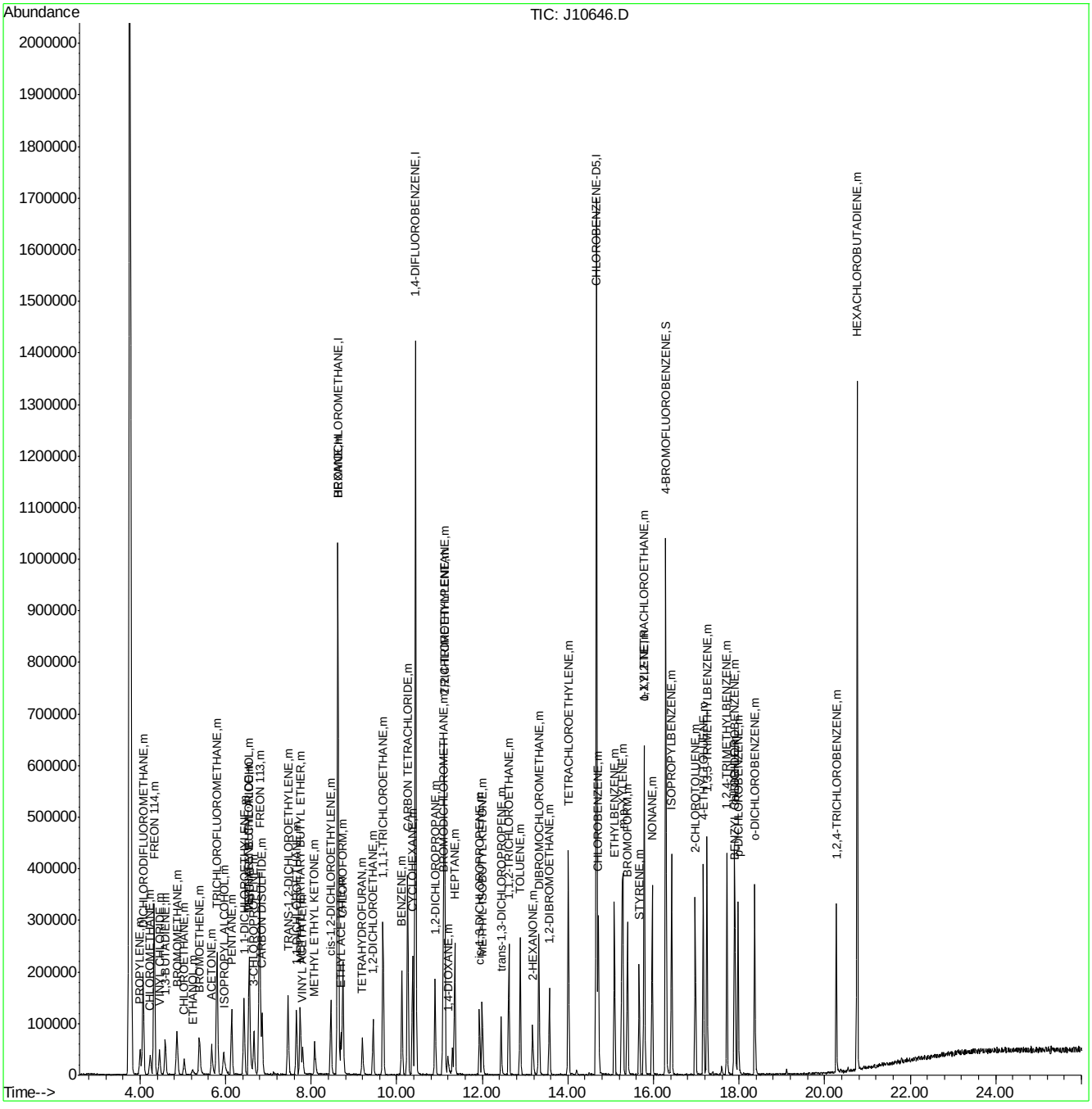
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	90612	2.59	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.93	75	61743	2.13	PPBV	99
46) TOLUENE	12.89	92	98518	2.32	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.44	75	55671	2.13	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.62	83	59018	2.61	PPBV	97
50) 2-HEXANONE	13.18	43	66393	2.66	PPBV	94
51) TETRACHLOROETHYLENE	14.01	164	102122	2.69	PPBV	99
52) DIBROMOCHLOROMETHANE	13.32	129	150036	2.82	PPBV	98
53) 1,2-DIBROMOETHANE	13.57	107	101957	2.73	PPBV	99
54) CHLOROBENZENE	14.71	112	169884	2.94	PPBV	98
55) ETHYLBENZENE	15.09	91	199182	2.36	PPBV	98
56) m,p-XYLENE	15.28	106	181382	5.41	PPBV	98
57) o-XYLENE	15.78	106	89536	2.60	PPBV	99
58) STYRENE	15.67	104	96180	2.34	PPBV	98
59) NONANE	15.97	43	98394	2.74	PPBV	99
60) BROMOFORM	15.39	173	147351	2.78	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.78	83	156326	3.00	PPBV	99
63) ISOPROPYLBENZENE	16.42	105	261975	2.63	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	169984	2.48	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	209849	2.48	PPBV	97
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	225792	2.79	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	188465	2.57	PPBV	97
68) m-DICHLOROBENZENE	17.90	146	163854	3.15	PPBV	99
69) BENZYL CHLORIDE	17.88	91	93810	2.41	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	140809	2.98	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	145919	2.94	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	226190	5.31	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.27	180	92060	5.32	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10646.D
Acq On : 14 Jun 2007 2:11 pm
Operator : danat
Sample : ic552-2 (m140)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 14 14:45:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 13:48:21 2007
Response via : Initial Calibration



ACCUTEST Laboratories M65248R

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10647.D
Acq On : 14 Jun 2007 2:58 pm
Operator : danat
Sample : ic552-5 (m173)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 15:27:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 13:48:21 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	222530	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	907413	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	747153	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	188407	4.16	PPBV	-0.01
Spiked Amount 5.000	Range 51 - 142		Recovery = 83.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	611517	7.86	PPBV	100
3) PROPYLENE	4.00	41	91076	6.73	PPBV	97
4) FREON 114	4.33	85	515372	7.19	PPBV	98
5) CHLOROMETHANE	4.23	50	132022	7.03	PPBV	100
6) VINYL CHLORIDE	4.45	62	149243	6.77	PPBV	98
7) 1,3-BUTADIENE	4.59	39	100343	6.69	PPBV	99
8) BROMOMETHANE	4.86	94	178074	7.09	PPBV	99
9) CHLOROETHANE	5.04	64	69814	6.91	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.79	101	571687	7.15	PPBV	100
11) ISOPROPYL ALCOHOL	5.94	45	126106	4.94	PPBV	77
12) ACETONE	5.67	43	145789	4.83	PPBV	99
13) PENTANE	6.14	42	121251	6.46	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.43	96	162146	6.91	PPBV	96
15) CARBON DISULFIDE	6.85	76	491862	6.97	PPBV	99
16) ETHANOL	5.22	45	22739	4.86	PPBV	83
17) BROMOETHENE	5.39	106	163927	6.94	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	148797	4.20	PPBV	96
19) 3-CHLOROPROPENE	6.66	39	94456	5.96	PPBV	93
20) FREON 113	6.79	151	368429	7.11	PPBV	96
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	151238	6.70	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.55	59	163122	5.79	PPBV	82
23) METHYL TERTIARY BUTYL ETHE	7.74	73	247398	5.27	PPBV	98
24) TETRAHYDROFURAN	9.19	42	73196	4.77	PPBV	99
25) HEXANE	8.63	57	151902	4.89	PPBV	97
26) VINYL ACETATE	7.80	43	146135	4.88	PPBV	96
27) 1,1-DICHLOROETHANE	7.65	63	239884	6.38	PPBV	99
28) METHYL ETHYL KETONE	8.08	43	151185	5.62	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.46	96	137351	6.24	PPBV	96
30) ETHYL ACETATE	8.69	43	161279	5.54	PPBV	99
31) CHLOROFORM	8.74	83	332631	6.28	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	382280	6.62	PPBV	100
33) CARBON TETRACHLORIDE	10.25	117	500456	7.35	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	178702	6.07	PPBV	100
36) BENZENE	10.12	78	324836	6.49	PPBV	99
37) CYCLOHEXANE	10.37	84	174416	7.71	PPBV	98
38) TRICHLOROETHYLENE	11.11	95	184375	7.02	PPBV	97
39) 1,2-DICHLOROPROPANE	10.90	63	106550	6.22	PPBV	95
40) BROMODICHLOROMETHANE	11.09	83	302622	6.77	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	535965	7.33	PPBV	98
42) 1,4-DIOXANE	11.18	88	49970	6.05	PPBV	94
43) HEPTANE	11.36	43	159172	6.60	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10647.D
Acq On : 14 Jun 2007 2:58 pm
Operator : danat
Sample : ic552-5 (m173)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 15:27:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 13:48:21 2007
Response via : Initial Calibration

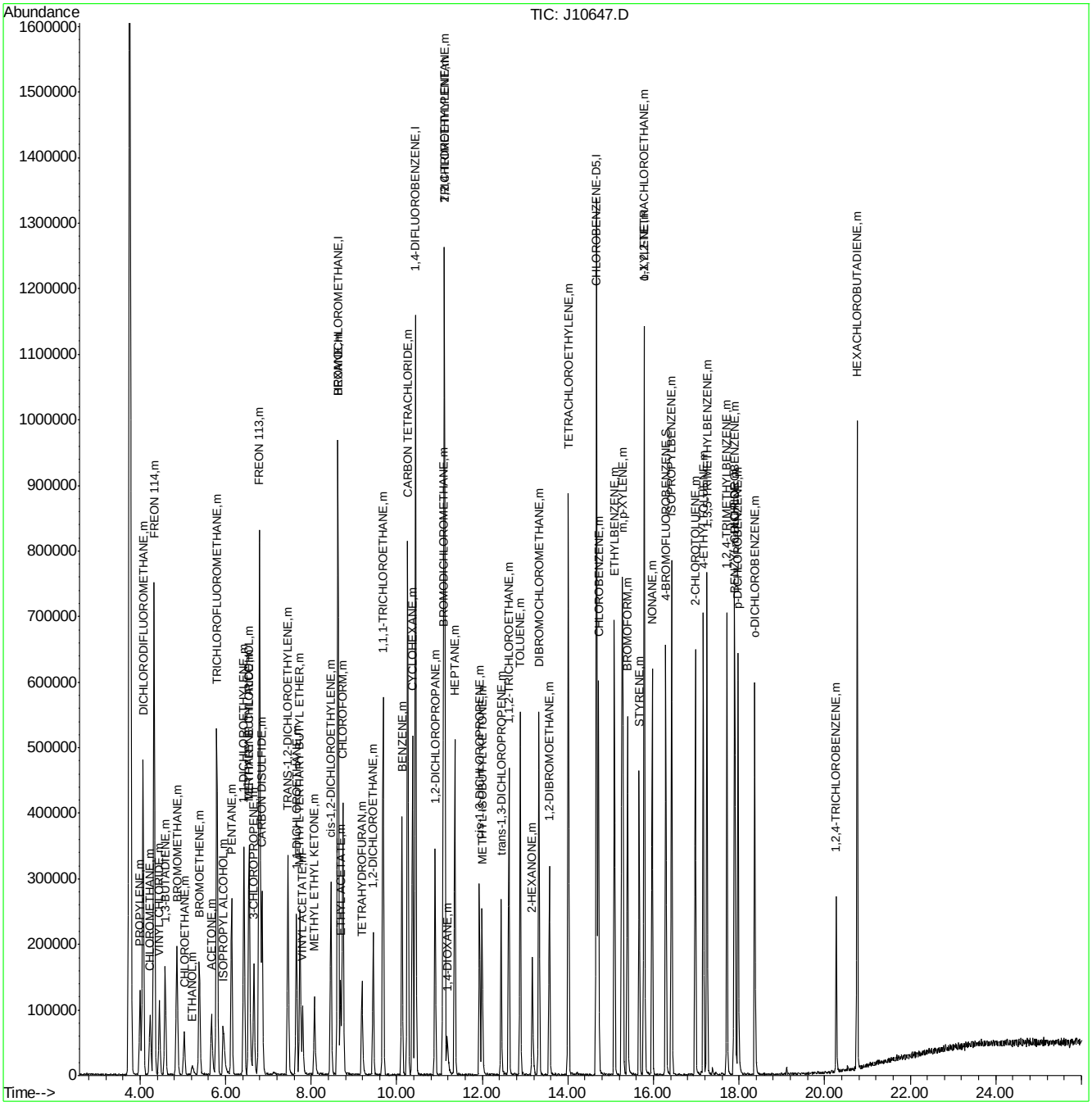
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	159364	5.67	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	143660	6.17	PPBV	99
46) TOLUENE	12.89	92	211358	6.21	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	127734	6.08	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.62	83	114287	6.30	PPBV	98
50) 2-HEXANONE	13.17	43	130451	6.75	PPBV	96
51) TETRACHLOROETHYLENE	14.01	164	202829	6.90	PPBV	98
52) DIBROMOCHLOROMETHANE	13.32	129	297514	7.22	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	201747	6.98	PPBV	100
54) CHLOROBENZENE	14.71	112	324246	7.24	PPBV	98
55) ETHYLBENZENE	15.09	91	431298	6.61	PPBV	98
56) m,p-XYLENE	15.28	106	375036	14.46	PPBV	93
57) o-XYLENE	15.78	106	183005	6.87	PPBV	99
58) STYRENE	15.67	104	202519	6.35	PPBV	99
59) NONANE	15.97	43	181413	6.51	PPBV	99
60) BROMOFORM	15.39	173	275332	6.72	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	243491	6.03	PPBV	97
63) ISOPROPYLBENZENE	16.42	105	489646	6.35	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	318556	6.01	PPBV	98
65) 4-ETHYLTOLUENE	17.16	105	385370	5.89	PPBV	97
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	376694	6.01	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.71	105	325224	5.74	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	287202	7.14	PPBV	100
69) BENZYL CHLORIDE	17.88	91	189139	6.28	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	267567	7.32	PPBV	99
71) o-DICHLOROBENZENE	18.36	146	235738	6.14	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	169459	5.14	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.27	180	77462	5.78	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10647.D
Acq On : 14 Jun 2007 2:58 pm
Operator : danat
Sample : ic552-5 (m173)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 15:27:26 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 13:48:21 2007
Response via : Initial Calibration


Abundance
TIC: J10647.D
Time-->
PROPYLENE,m
CHLOROMETHANE,m
DICHLORODIFLUOROMETHANE,m
FREON 114,m
VINYL CHLORIDE,m
1,3-BUTADIENE,m
BROMOMETHANE,m
CHLOROETHANE,m
ETHANOL,m
BROMOETHENE,m
ACETONE,m
TRICHLOROFLUOROMETHANE,m
ISOPROPYL ALCOHOL,m
PENTANE,m
FREON 113,m
CARBON DISULFIDE,m
TRANS-1,2-DICHLOROETHYLENE,m
VINYL ACETATE,m
METHYL ETHYL KETONE,m
cis-1,2-DICHLOROETHYLENE,m
CHLOROFORM,m
ETHYL ACETATE,m
TETRAHYDROFURAN,m
1,2-DICHLOROETHANE,m
1,1,1-TRICHLOROETHANE,m
BENZENE,m
CARBON TETRACHLORIDE,m
CYCLOHEXANE,m
1,2-DICHLOROPROPANE,m
BROMODICHLOROMETHANE,m
HEPTANE,m
1,4-DIOXANE,m
trans-1,3-DICHLOROPROPENE,m
1,1,2-TRICHLOROETHANE,m
TOLUENE,m
DIBROMOCHLOROMETHANE,m
2-HEXANONE,m
1,2-DIBROMOETHANE,m
TETRACHLOROETHYLENE,m
CHLOROBENZENE,m
ETHYLBENZENE,m
m,p-XYLENE,m
BROMOFORM,m
STYRENE,m
NONANE,m
4-BROMOFLUOROBENZENE,m
ISOPROPYLBENZENE,m
2-CHLOROTOLUENE,m
4-ETHYLTOLUENE,m
1,3,5-TRIMETHYLBENZENE,m
1,2,4-TRIMETHYLBENZENE,m
p-DICHLOROBENZENE,m
o-DICHLOROBENZENE,m
1,2,4-TRICHLOROBENZENE,m
HEXACHLOROBUTADIENE,m
1,4-DIFLUOROBENZENE,I
CHLOROBENZENE-D5,I
1,4-DICHLOROBENZENE-D4,I
0,X,X-TETRACHLOROETHANE,m
0,X,X-TETRACHLOROETHANE,m
0,X,X-TETRACHLOROETHANE,m

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10648.D
Acq On : 14 Jun 2007 3:47 pm
Operator : danat
Sample : icc552-10 (m173)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 16:18:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 15:29:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	296067	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1252480	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1093045	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	351967	5.95	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 119.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.08	85	1176232	8.87	PPBV	99
3) PROPYLENE	4.00	41	187870	10.15	PPBV	99
4) FREON 114	4.33	85	1068507	8.92	PPBV	97
5) CHLOROMETHANE	4.24	50	263059	9.02	PPBV	100
6) VINYL CHLORIDE	4.46	62	309008	9.77	PPBV	97
7) 1,3-BUTADIENE	4.59	39	219422	11.03	PPBV	99
8) BROMOMETHANE	4.87	94	370193	9.26	PPBV	99
9) CHLOROETHANE	5.03	64	148751	9.77	PPBV	100
10) TRICHLOROFLUOROMETHANE	5.80	101	1201379	8.89	PPBV	100
11) ISOPROPYL ALCOHOL	5.96	45	304395	7.34	PPBV	95
12) ACETONE	5.67	43	316258	7.79	PPBV	98
13) PENTANE	6.14	42	257424	9.23	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.43	96	357082	9.84	PPBV	95
15) CARBON DISULFIDE	6.85	76	1028276	9.07	PPBV	99
16) ETHANOL	5.23	45	52048	6.55	PPBV	74
17) BROMOETHENE	5.39	106	367936	10.48	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	312272	5.29	PPBV	97
19) 3-CHLOROPROPENE	6.66	39	217129	9.22	PPBV	95
20) FREON 113	6.80	151	775475	8.67	PPBV	97
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	337206	9.64	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.56	59	409433	8.96	PPBV	91
23) METHYL TERTIARY BUTYL ETHE	7.74	73	586618	10.36	PPBV	100
24) TETRAHYDROFURAN	9.18	42	184086	10.94	PPBV	98
25) HEXANE	8.64	57	343887	8.19	PPBV	99
26) VINYL ACETATE	7.81	43	350528	9.33	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	527678	8.90	PPBV	99
28) METHYL ETHYL KETONE	8.08	43	354604	9.65	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.47	96	311706	9.40	PPBV	98
30) ETHYL ACETATE	8.69	43	388619	9.78	PPBV #	86
31) CHLOROFORM	8.75	83	726373	9.06	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	860970	9.14	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1083698	9.45	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	400832	9.38	PPBV	100
36) BENZENE	10.13	78	774232	9.42	PPBV	100
37) CYCLOHEXANE	10.37	84	399069	11.51	PPBV	98
38) TRICHLOROETHYLENE	11.12	95	404425	9.30	PPBV	97
39) 1,2-DICHLOROPROPANE	10.90	63	240278	8.93	PPBV	97
40) BROMODICHLOROMETHANE	11.09	83	666757	8.62	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1278640	10.91	PPBV	98
42) 1,4-DIOXANE	11.18	88	139810	7.73	PPBV	91
43) HEPTANE	11.36	43	376778	10.70	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10648.D
Acq On : 14 Jun 2007 3:47 pm
Operator : danat
Sample : icc552-10 (m173)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 16:18:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 15:29:34 2007
Response via : Initial Calibration

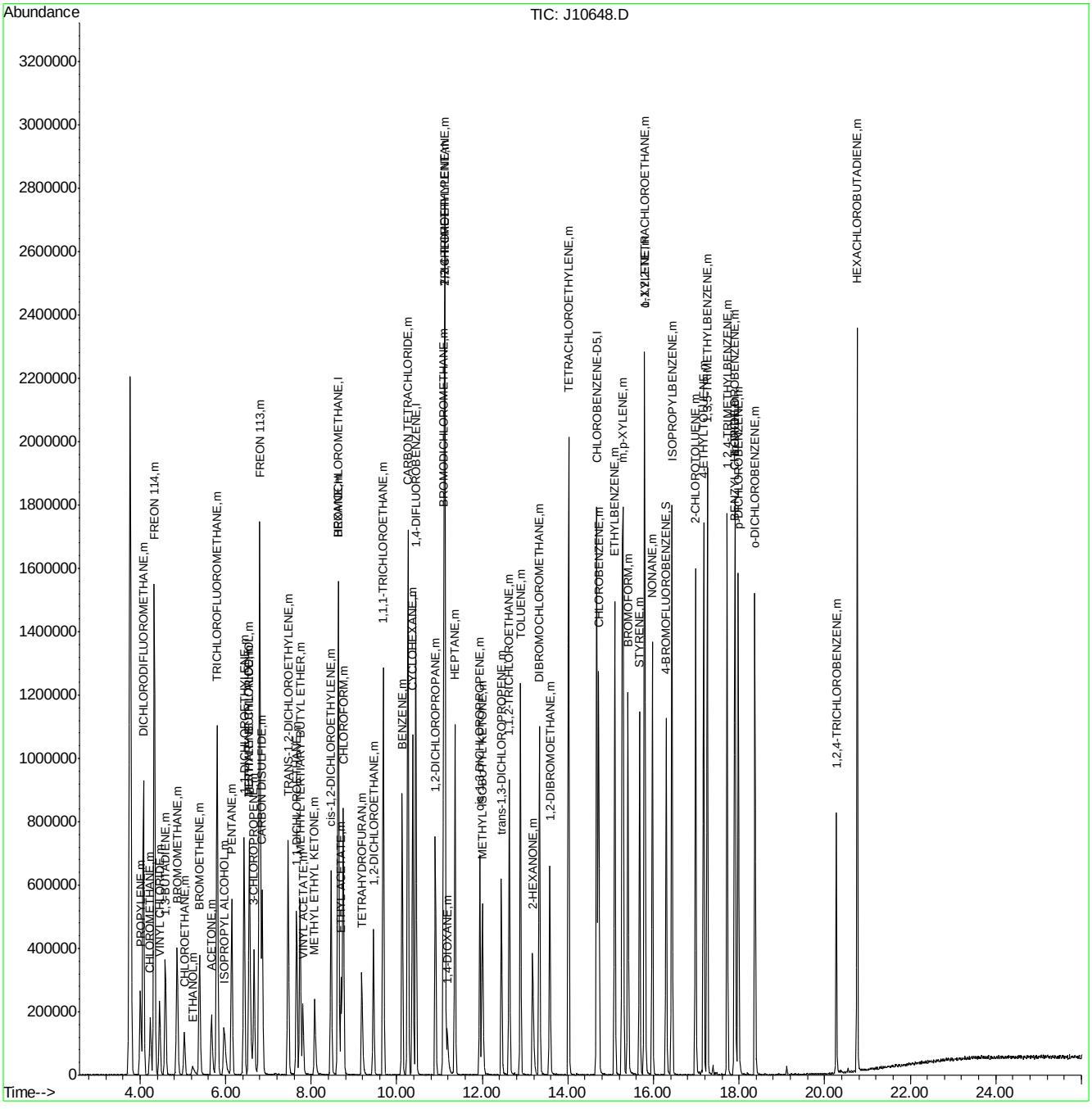
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	406692	10.09	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	356175	12.00	PPBV	100
46) TOLUENE	12.89	92	509265	11.43	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.44	75	332903	12.89	PPBV	100
48) 1,1,2-TRICHLOROETHANE	12.63	83	257547	8.96	PPBV	99
50) 2-HEXANONE	13.17	43	342070	10.54	PPBV	99
51) TETRACHLOROETHYLENE	14.01	164	473769	8.97	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	671482	8.78	PPBV	100
53) 1,2-DIBROMOETHANE	13.58	107	470150	9.30	PPBV	99
54) CHLOROBENZENE	14.72	112	748155	8.67	PPBV	98
55) ETHYLBENZENE	15.09	91	1078874	11.87	PPBV	99
56) m,p-XYLENE	15.29	106	898815	22.80	PPBV	100
57) o-XYLENE	15.79	106	443598	11.71	PPBV	99
58) STYRENE	15.68	104	593574	14.67	PPBV	100
59) NONANE	15.97	43	454422	11.62	PPBV	99
60) BROMOFORM	15.40	173	662277	9.41	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	585652	8.48	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	1277371	11.64	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	859739	11.97	PPBV	98
65) 4-ETHYLTOLUENE	17.17	105	1091543	11.25	PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1028610	10.22	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	910707	10.91	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	693838	8.59	PPBV	99
69) BENZYL CHLORIDE	17.89	91	526024	11.11	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	670550	9.33	PPBV	100
71) o-DICHLOROBENZENE	18.37	146	606223	8.55	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	403547	4.36	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	230065	6.10	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10648.D
Acq On : 14 Jun 2007 3:47 pm
Operator : danat
Sample : icc552-10 (m173)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 16:18:25 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 15:29:34 2007
Response via : Initial Calibration



J061407T.M Thu Jun 14 16:18:33 2007 Page: 3

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10649.D
Acq On : 14 Jun 2007 4:34 pm
Operator : danat
Sample : ic552-20 (m173)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 17:19:37 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 16:20:15 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	322389	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1363691	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1232423	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	422023	6.10	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 122.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	2415770	17.12	PPBV	99
3) PROPYLENE	4.00	41	398545	19.71	PPBV	98
4) FREON 114	4.33	85	2115741	16.58	PPBV	99
5) CHLOROMETHANE	4.23	50	529067	16.99	PPBV	99
6) VINYL CHLORIDE	4.45	62	651108	18.99	PPBV	99
7) 1,3-BUTADIENE	4.59	39	448287	20.27	PPBV	98
8) BROMOMETHANE	4.86	94	752994	17.56	PPBV	99
9) CHLOROETHANE	5.03	64	307366	18.63	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.80	101	2380868	16.55	PPBV	99
11) ISOPROPYL ALCOHOL	5.97	45	682696	16.20	PPBV	94
12) ACETONE	5.65	43	717128	17.17	PPBV	98
13) PENTANE	6.14	42	512412	17.14	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	749492	19.03	PPBV	98
15) CARBON DISULFIDE	6.85	76	2057100	16.98	PPBV	100
16) ETHANOL	5.21	45	120016	15.17	PPBV	98
17) BROMOETHENE	5.39	106	768305	19.91	PPBV	99
18) METHYLENE CHLORIDE	6.55	84	651340	11.18	PPBV	98
19) 3-CHLOROPROPENE	6.66	39	491311	19.46	PPBV	99
20) FREON 113	6.79	151	1614638	17.03	PPBV	98
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	725352	19.18	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.57	59	928265	19.16	PPBV	94
23) METHYL TERTIARY BUTYL ETHE	7.73	73	1436062	23.12	PPBV	99
24) TETRAHYDROFURAN	9.18	42	458415	24.45	PPBV	98
25) HEXANE	8.63	57	726038	16.48	PPBV	99
26) VINYL ACETATE	7.81	43	886317	22.04	PPBV	98
27) 1,1-DICHLOROETHANE	7.66	63	1127583	17.86	PPBV	100
28) METHYL ETHYL KETONE	8.08	43	838560	21.10	PPBV	100
29) cis-1,2-DICHLOROETHYLENE	8.47	96	699171	19.60	PPBV	99
30) ETHYL ACETATE	8.70	43	894666	20.76	PPBV	100
31) CHLOROFORM	8.75	83	1560738	18.22	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.69	97	1851201	18.36	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	2258945	18.29	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	918904	20.00	PPBV	99
36) BENZENE	10.13	78	1798384	20.33	PPBV	100
37) CYCLOHEXANE	10.37	84	864475	22.23	PPBV	98
38) TRICHLOROETHYLENE	11.12	95	905705	19.40	PPBV	99
39) 1,2-DICHLOROPROPANE	10.91	63	565238	19.71	PPBV	98
40) BROMODICHLOROMETHANE	11.10	83	1525124	18.62	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	2718130	20.92	PPBV	99
42) 1,4-DIOXANE	11.18	88	332849	17.93	PPBV	92
43) HEPTANE	11.36	43	842341	21.66	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10649.D
Acq On : 14 Jun 2007 4:34 pm
Operator : danat
Sample : ic552-20 (m173)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 17:19:37 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 16:20:15 2007
Response via : Initial Calibration

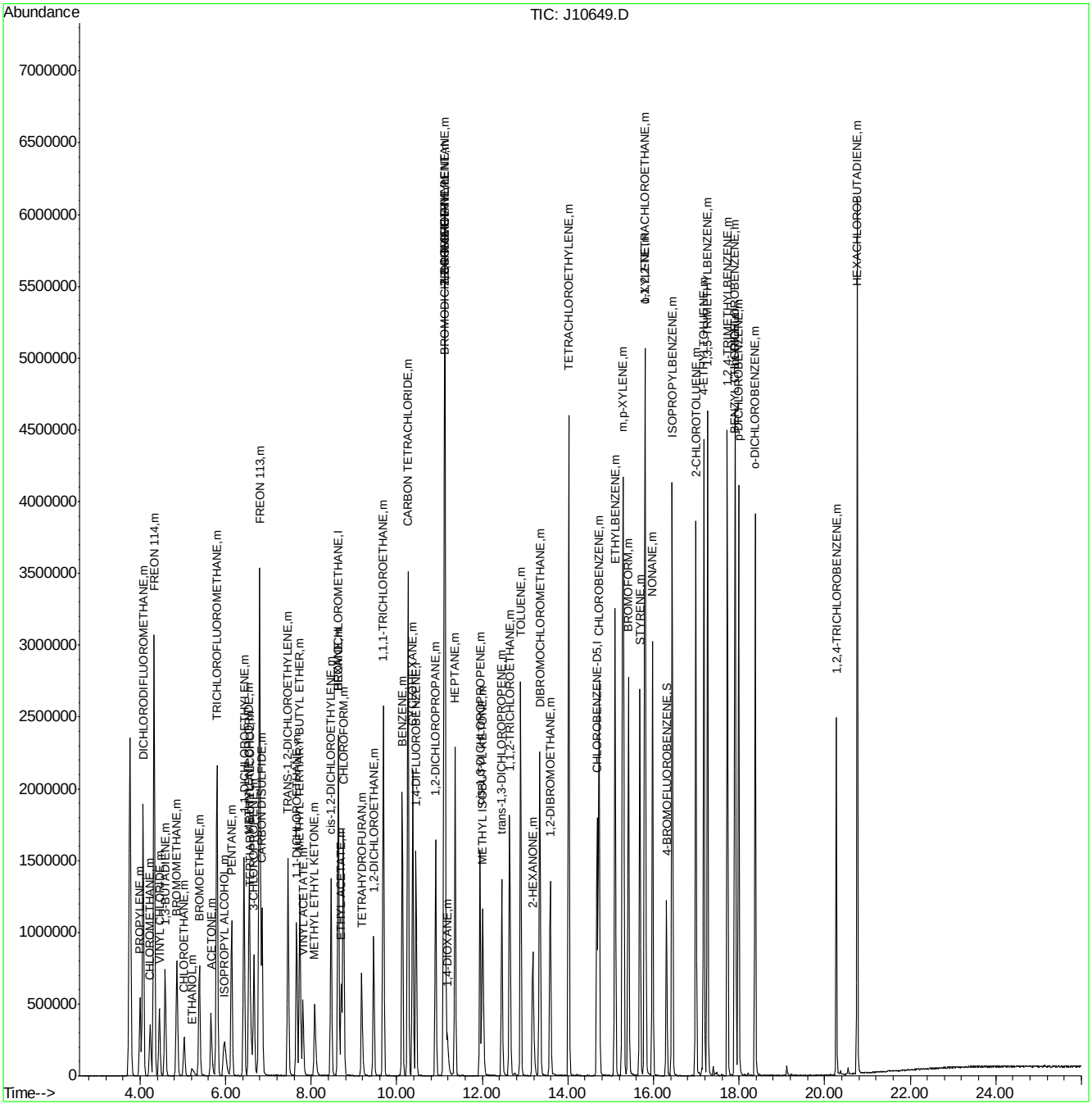
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	1011552	23.00	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.95	75	904438	26.92	PPBV	99
46) TOLUENE	12.89	92	1240739	24.87	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.45	75	876206	29.45	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.64	83	603669	19.71	PPBV	99
50) 2-HEXANONE	13.18	43	899437	24.25	PPBV	97
51) TETRACHLOROETHYLENE	14.02	164	1137357	19.50	PPBV	99
52) DIBROMOCHLOROMETHANE	13.34	129	1608361	19.11	PPBV	100
53) 1,2-DIBROMOETHANE	13.59	107	1179242	20.98	PPBV	100
54) CHLOROBENZENE	14.73	112	1801840	19.02	PPBV	100
55) ETHYLBENZENE	15.10	91	2681556	25.22	PPBV	100
56) m,p-XYLENE	15.29	106	2184350	47.80	PPBV	97
57) o-XYLENE	15.80	106	1105295	25.02	PPBV	97
58) STYRENE	15.68	104	1575277	31.58	PPBV	99
59) NONANE	15.98	43	1070260	23.51	PPBV	98
60) BROMOFORM	15.41	173	1663104	21.21	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.81	83	1422909	18.85	PPBV	99
63) ISOPROPYLBENZENE	16.44	105	3174815	24.85	PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	2222517	26.40	PPBV	99
65) 4-ETHYLTOLUENE	17.18	105	2902879	25.74	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	2659471	23.31	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	2467416	25.63	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	1840745	20.94	PPBV	99
69) BENZYL CHLORIDE	17.89	91	1475002	26.88	PPBV	99
70) p-DICHLOROBENZENE	17.99	146	1786312	22.42	PPBV	99
71) o-DICHLOROBENZENE	18.38	146	1596732	20.73	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	1063395	11.87	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.27	180	692754	18.06	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10649.D
Acq On : 14 Jun 2007 4:34 pm
Operator : danat
Sample : ic552-20 (m173)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 17:19:37 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 16:20:15 2007
Response via : Initial Calibration



J061407T.M Mon Jun 18 12:46:13 2007 Page: 3

J10650.D

Manual Integrations APPROVED (compounds with "m" flag)

Philip Bassignani 06/18/07 12:49

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10650.D
Acq On : 14 Jun 2007 5:23 pm
Operator : danat
Sample : ic552-40 (m173)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 17:56:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 17:22:05 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.64	128	308454	10.00	PPBV	0.02
35) 1,4-DIFLUOROBENZENE	10.47	114	1251204	10.00	PPBV	0.02
49) CHLOROBENZENE-D5	14.69	117	1141346	10.00	PPBV	0.02

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.31	95	396132	5.96	PPBV	0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 119.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	4727458	35.87	PPBV	100
3) PROPYLENE	4.00	41	795756	41.24	PPBV	97
4) FREON 114	4.33	85	4322818	36.44	PPBV	99
5) CHLOROMETHANE	4.23	50	1057554	36.40	PPBV	99
6) VINYL CHLORIDE	4.45	62	1323124	40.68	PPBV	98
7) 1,3-BUTADIENE	4.59	39	930912	43.90	PPBV	97
8) BROMOMETHANE	4.86	94	1551700	38.60	PPBV	99
9) CHLOROETHANE	5.03	64	639310	40.96	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.80	101	4967220	37.16	PPBV	100
11) ISOPROPYL ALCOHOL	6.03	45	1641935	42.33	PPBV	91
12) ACETONE	5.66	43	1574374	40.55	PPBV	98
13) PENTANE	6.14	42	1072522	38.41	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	1606926	43.00	PPBV	97
15) CARBON DISULFIDE	6.85	76	4163397m	36.84	PPBV	
16) ETHANOL	5.22	45	299212	53.63	PPBV	98
17) BROMOETHENE	5.39	106	1628594	44.15	PPBV	100
18) METHYLENE CHLORIDE	6.56	84	1373761	44.99	PPBV	97
19) 3-CHLOROPROPENE	6.67	39	1266337	52.66	PPBV	88
20) FREON 113	6.80	151	3447188	38.96	PPBV	96
21) TRANS-1,2-DICHLOROETHYLENE	7.47	96	1573518	43.78	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.63	59	2321201	50.49	PPBV #	69
23) METHYL TERTIARY BUTYL ETHE	7.74	73	3241142	53.16	PPBV	98
24) TETRAHYDROFURAN	9.19	42	1008089	53.80	PPBV	96
25) HEXANE	8.64	57	1580527	38.63	PPBV	96
26) VINYL ACETATE	7.82	43	2018964	51.42	PPBV	96
27) 1,1-DICHLOROETHANE	7.67	63	2442666	41.17	PPBV	100
28) METHYL ETHYL KETONE	8.10	43	1812956	47.25	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.47	96	1575338	46.31	PPBV	99
30) ETHYL ACETATE	8.72	43	1964538	47.35	PPBV	100
31) CHLOROFORM	8.77	83	3360498	41.63	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.70	97	4031672	42.37	PPBV	99
33) CARBON TETRACHLORIDE	10.27	117	4808674	41.28	PPBV	100
34) 1,2-DICHLOROETHANE	9.48	62	2032536	46.24	PPBV	99
36) BENZENE	10.14	78	4022751	49.42	PPBV	99
37) CYCLOHEXANE	10.38	84	1850180	50.91	PPBV	97
38) TRICHLOROETHYLENE	11.14	95	1947728	45.70	PPBV	95
39) 1,2-DICHLOROPROPANE	10.92	63	1283148	48.89	PPBV	100
40) BROMODICHLOROMETHANE	11.12	83	3351701	45.11	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.14	57	5535635	46.08	PPBV	98
42) 1,4-DIOXANE	11.19	88	828491	49.66	PPBV	96
43) HEPTANE	11.38	43	1814263	50.16	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10650.D
Acq On : 14 Jun 2007 5:23 pm
Operator : danat
Sample : ic552-40 (m173)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 17:56:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 17:22:05 2007
Response via : Initial Calibration

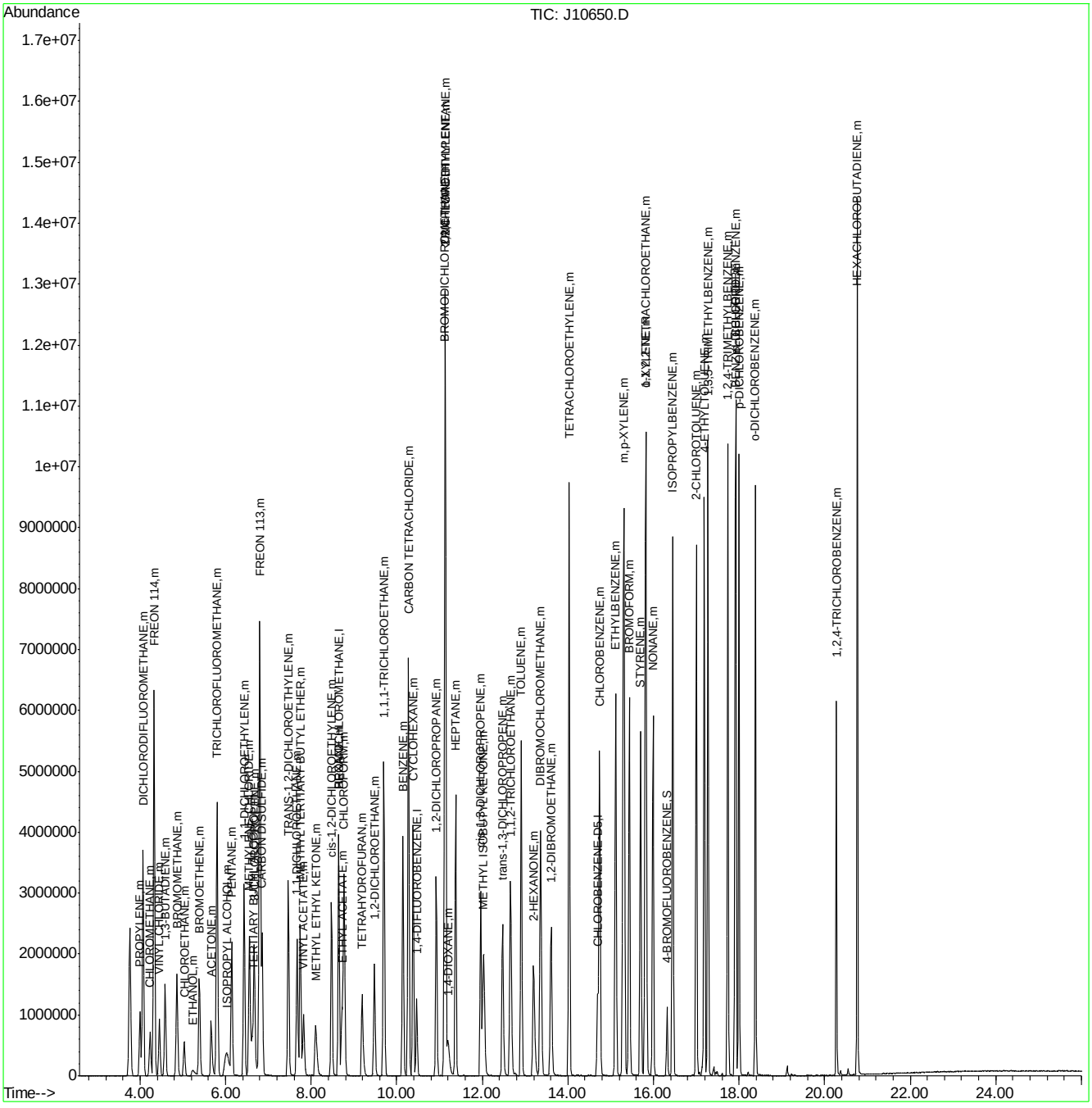
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.03	43	2316428	55.74	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.96	75	2076630	63.69	PPBV	100
46) TOLUENE	12.91	92	2923708	61.38	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.47	75	2060160	52.02	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.66	83	1351311	48.20	PPBV	99
50) 2-HEXANONE	13.19	43	2197893	61.38	PPBV	95
51) TETRACHLOROETHYLENE	14.03	164	2639713	49.08	PPBV	99
52) DIBROMOCHLOROMETHANE	13.36	129	3617029	46.76	PPBV	100
53) 1,2-DIBROMOETHANE	13.60	107	2687819	51.21	PPBV #	5
54) CHLOROBENZENE	14.74	112	4124278	47.40	PPBV	99
55) ETHYLBENZENE	15.12	91	6161093	50.03	PPBV	99
56) m,p-XYLENE	15.31	106	5103143	101.70	PPBV	97
57) o-XYLENE	15.81	106	2595523	51.23	PPBV	95
58) STYRENE	15.70	104	3847694	53.30	PPBV	99
59) NONANE	15.99	43	2378738	48.26	PPBV	97
60) BROMOFORM	15.44	173	3971797	54.14	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.83	83	3233705m	46.70	PPBV	
63) ISOPROPYLBENZENE	16.45	105	7377186m	50.70	PPBV	
64) 2-CHLOROTOLUENE	17.00	91	5194368	51.15	PPBV	98
65) 4-ETHYLTOLUENE	17.19	105	7128491	64.55	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.27	105	6280865	57.55	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.74	105	5987170	63.57	PPBV	99
68) m-DICHLOROBENZENE	17.92	146	4509490	54.88	PPBV	99
69) BENZYL CHLORIDE	17.91	91	3877756	71.40	PPBV	99
70) p-DICHLOROBENZENE	18.00	146	4385667	58.04	PPBV	99
71) o-DICHLOROBENZENE	18.38	146	4024951	56.01	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	2547383	33.41	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.28	180	1761552	50.57	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10650.D
Acq On : 14 Jun 2007 5:23 pm
Operator : danat
Sample : ic552-40 (m173)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 17:56:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 17:22:05 2007
Response via : Initial Calibration

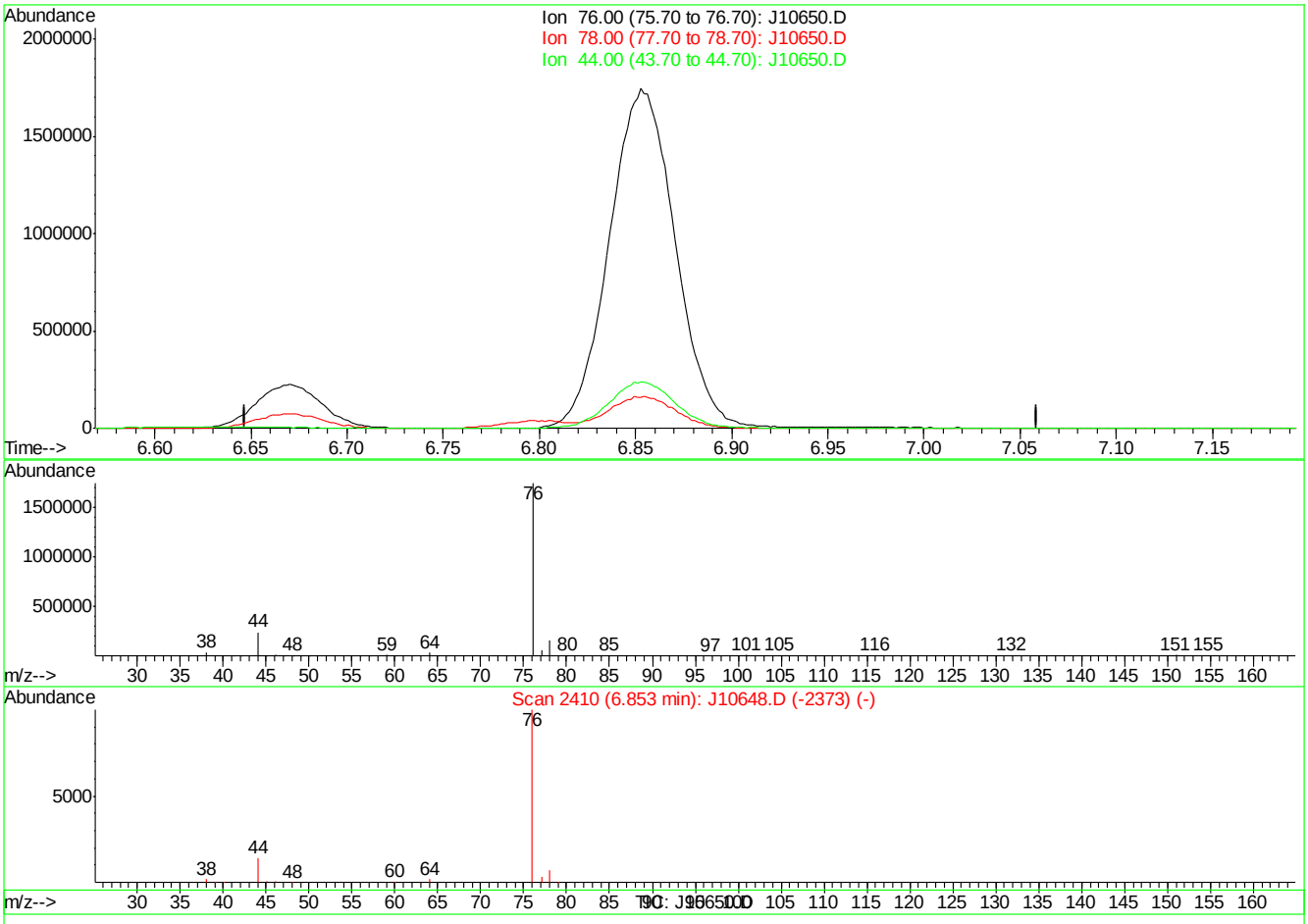


Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10650.D Vial: 2
Acq On : 14 Jun 2007 5:23 pm Operator: danat
Sample : ic552-40 (m173) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 17:54:29 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 17:22:05 2007
Response via : Multiple Level Calibration



(15) CARBON DISULFIDE (m)

6.85min 0.00PPBV

response 0

Ion	Exp%	Act%
76.00	100	0.00
78.00	9.30	0.00
44.00	13.50	0.00
0.00	0.00	0.00

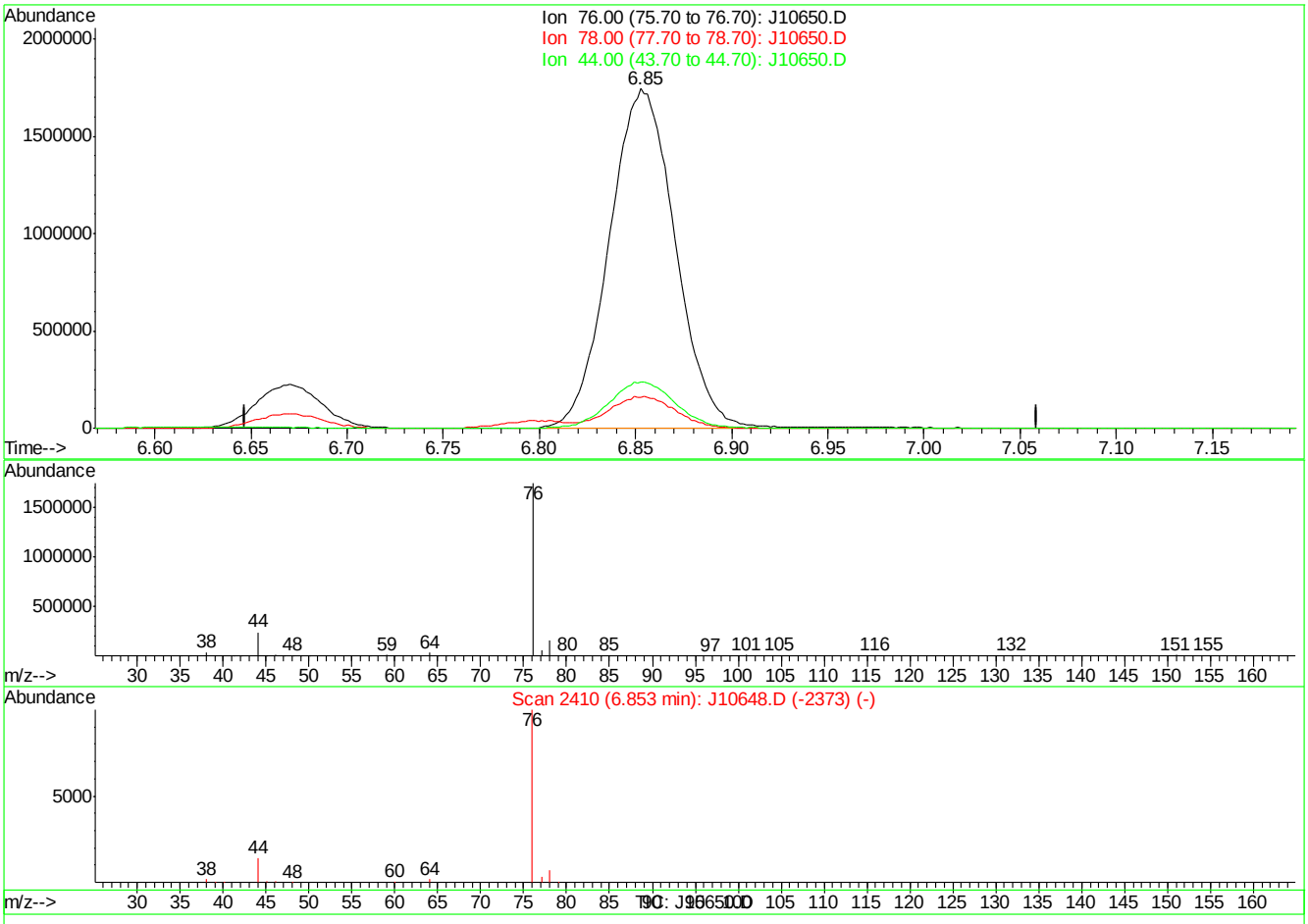
J10650.D J061407T.M Thu Jun 14 17:54:58 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10650.D Vial: 2
Acq On : 14 Jun 2007 5:23 pm Operator: danat
Sample : ic552-40 (m173) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 17:54:29 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 17:22:05 2007
Response via : Multiple Level Calibration



(15) CARBON DISULFIDE (m)

6.85min 36.84PPBV m

response 4163397

Ion	Exp%	Act%
76.00	100	100
78.00	9.30	0.00
44.00	13.50	0.00
0.00	0.00	0.00

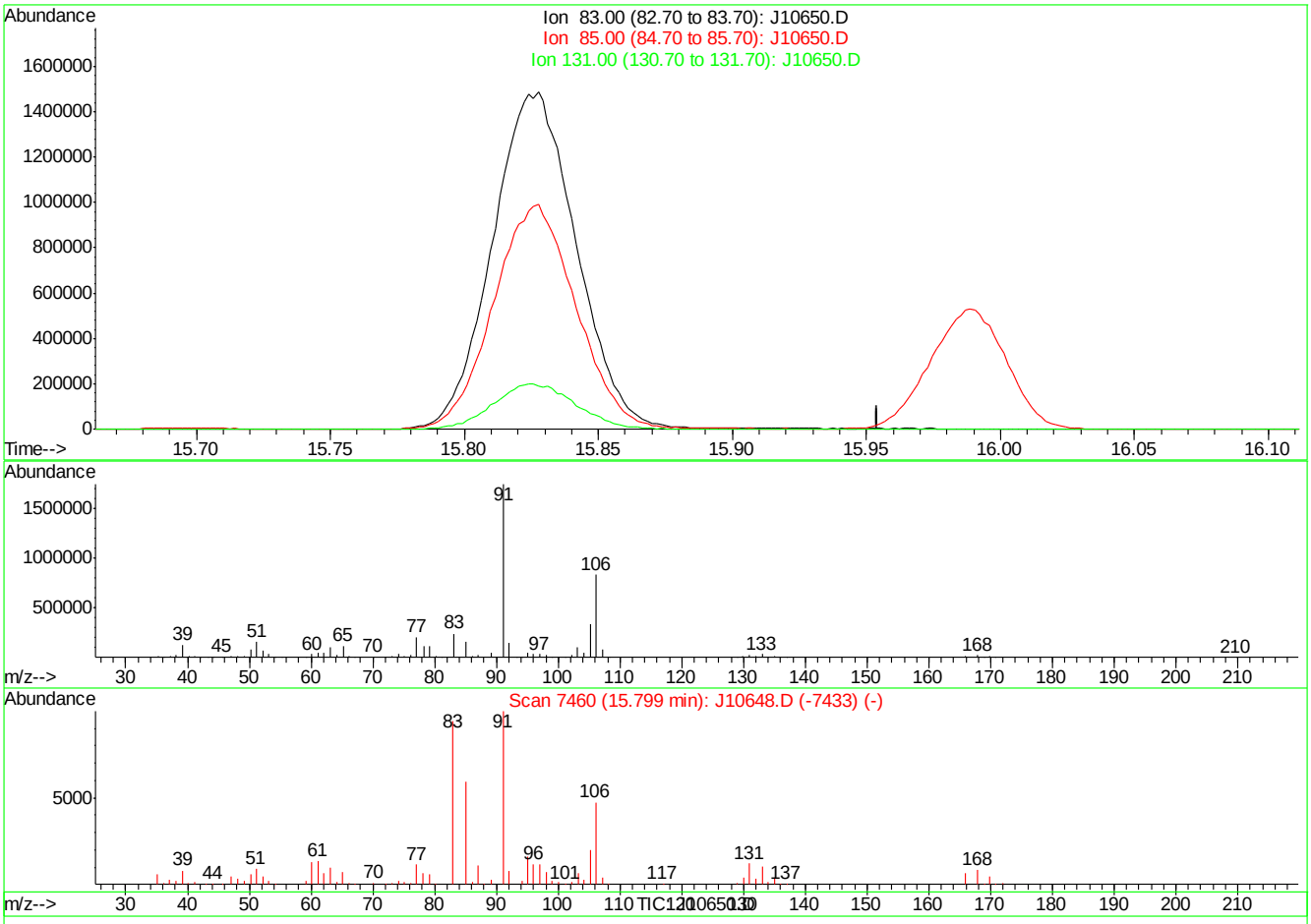
J10650.D J061407T.M Thu Jun 14 17:55:03 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10650.D Vial: 2
Acq On : 14 Jun 2007 5:23 pm Operator: danat
Sample : ic552-40 (m173) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 17:54:29 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 17:22:05 2007
Response via : Multiple Level Calibration



(62) 1,1,2,2-TETRACHLOROETHANE (m)

15.80min 0.00PPBV

response 0

Ion	Exp%	Act%
83.00	100	0.00
85.00	64.90	0.00#
131.00	12.30	0.00
0.00	0.00	0.00

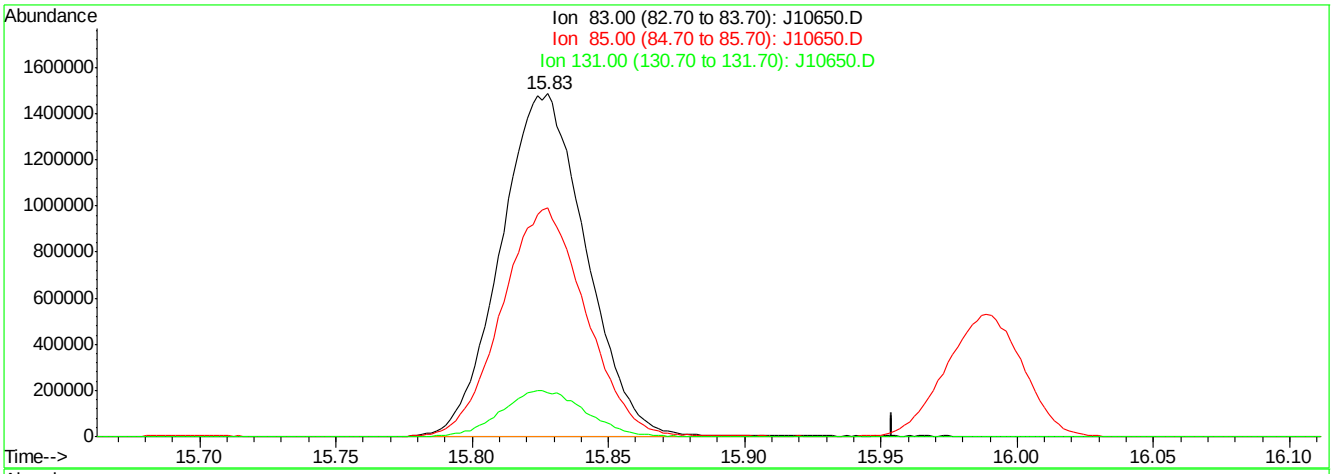
J10650.D J061407T.M Thu Jun 14 17:55:46 2007

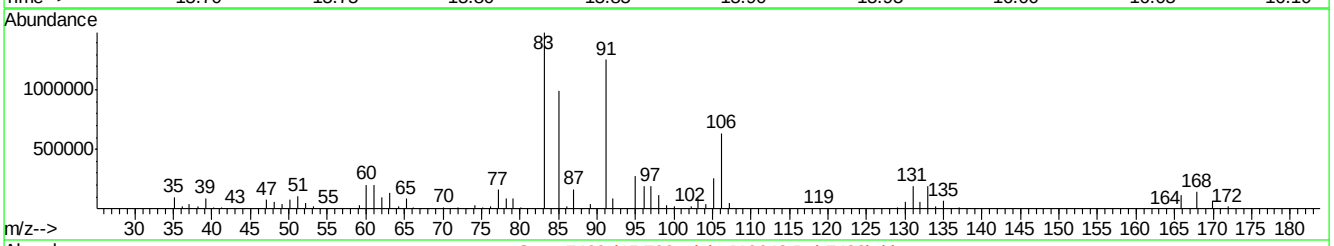
Quantitation Report (Qedit)

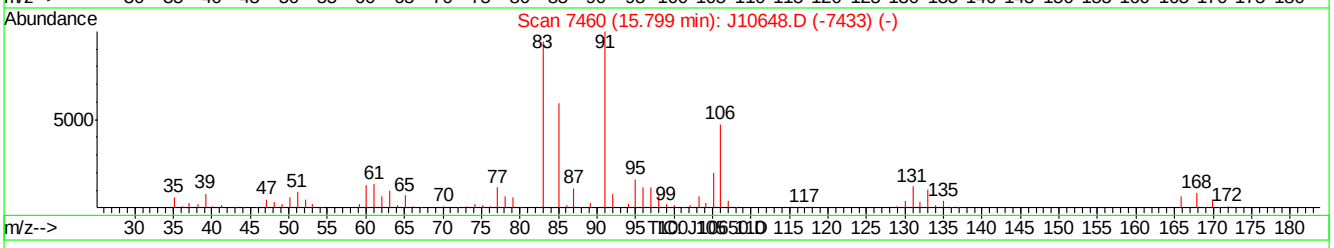
Data File : C:\MSDChem\1\data\J10650.D Vial: 2
Acq On : 14 Jun 2007 5:23 pm Operator: danat
Sample : ic552-40 (m173) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 17:54:29 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 17:22:05 2007
Response via : Multiple Level Calibration







(62) 1,1,2,2-TETRACHLOROETHANE (m)

15.83min 46.70PPBV m

response 3233705

Ion	Exp%	Act%
83.00	100	100
85.00	64.90	0.00#
131.00	12.30	0.00
0.00	0.00	0.00

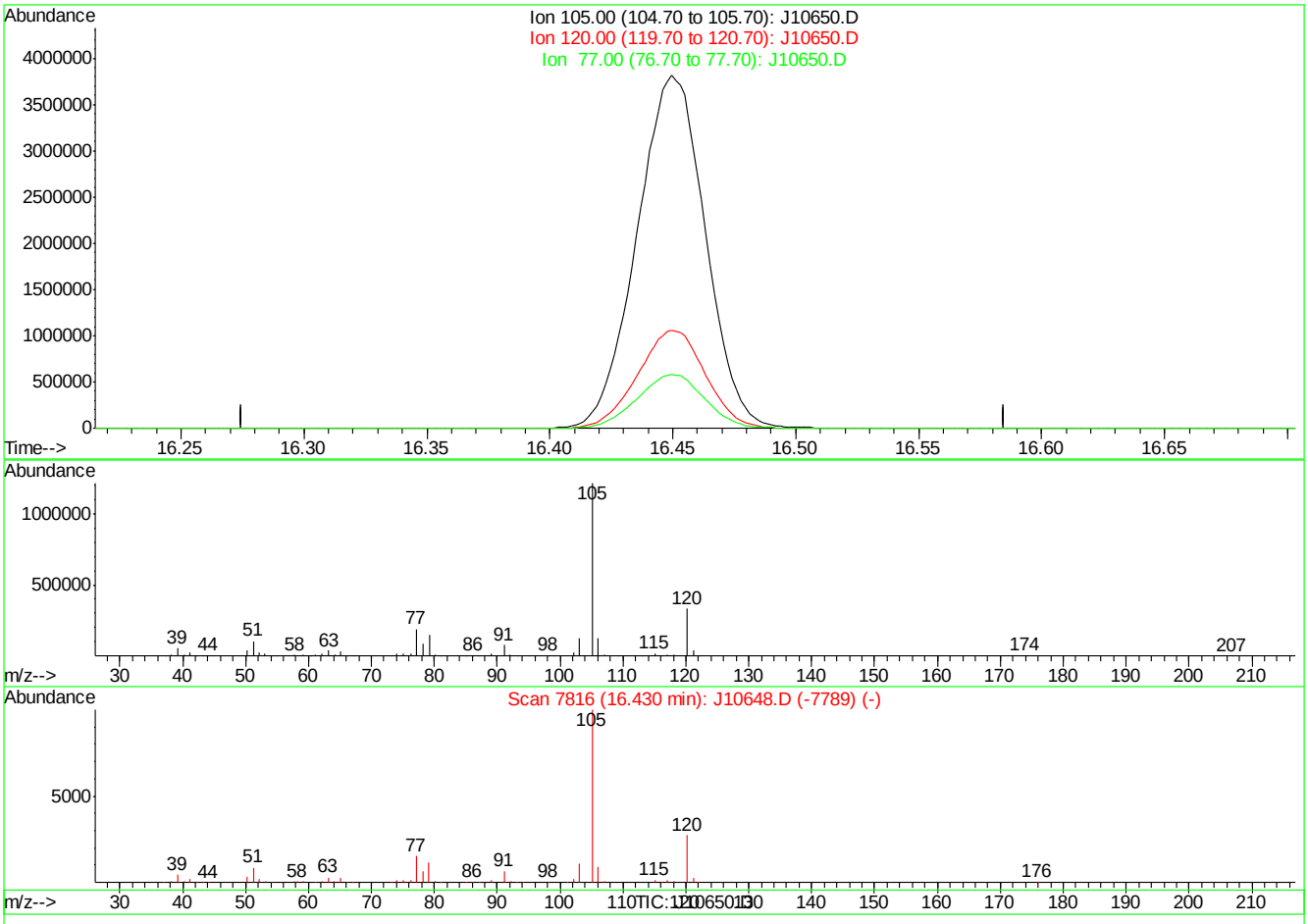
J10650.D J061407T.M Thu Jun 14 17:55:53 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10650.D Vial: 2
Acq On : 14 Jun 2007 5:23 pm Operator: danat
Sample : ic552-40 (m173) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 17:54:29 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 17:22:05 2007
Response via : Multiple Level Calibration



(63) ISOPROPYLBENZENE (m)

16.43min 0.00PPBV

response 0

Ion	Exp%	Act%
105.00	100	0.00
120.00	27.00	0.00#
77.00	15.40	0.00
0.00	0.00	0.00

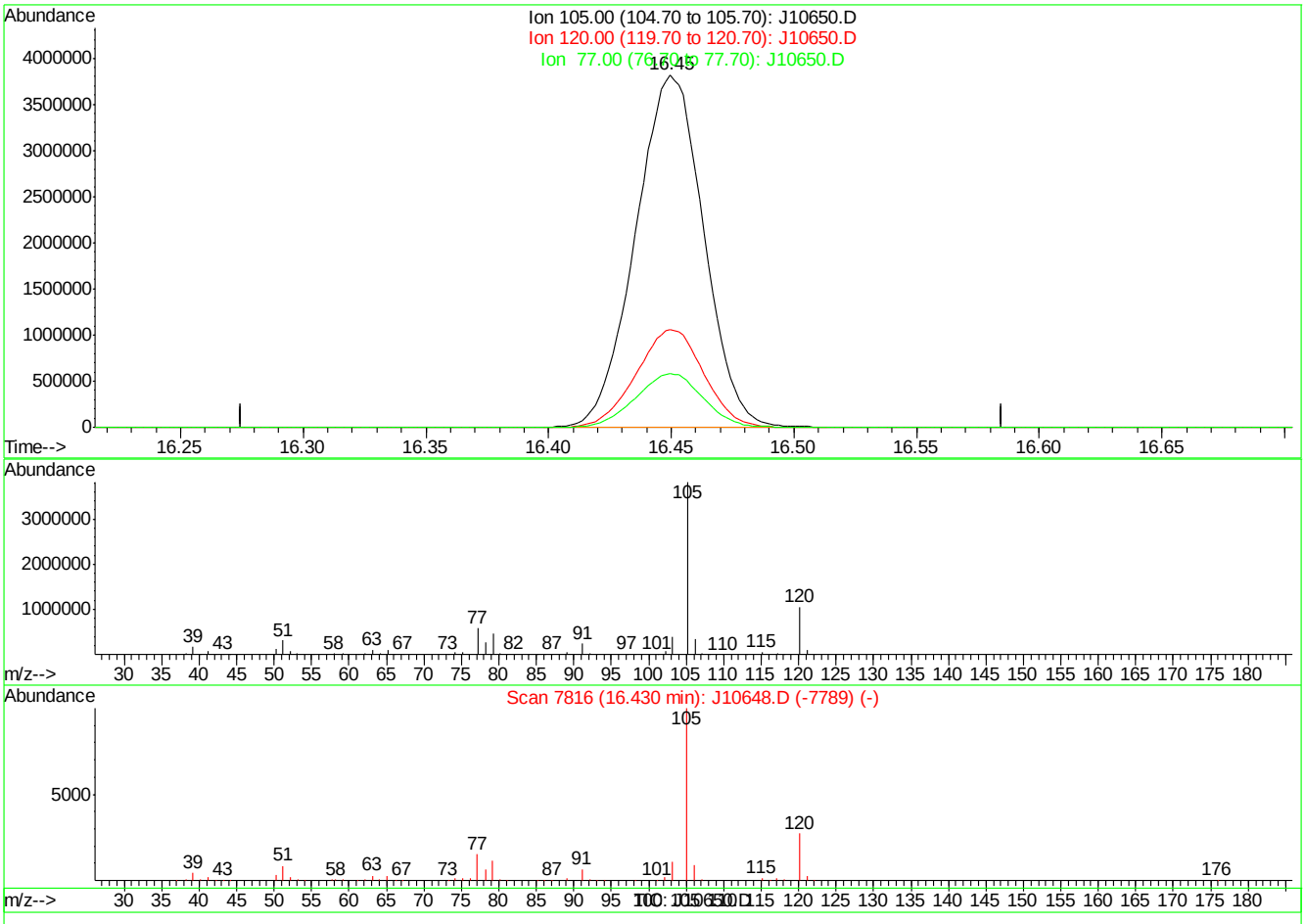
J10650.D J061407T.M Thu Jun 14 17:55:58 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10650.D Vial: 2
Acq On : 14 Jun 2007 5:23 pm Operator: danat
Sample : ic552-40 (m173) Inst : MSJ
Misc : MS13724, MSJ552,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jun 14 17:54:29 2007 Results File: J061407T.RES

Method : C:\MSDCHEM\1\METHODS\J061407T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jun 14 17:22:05 2007
Response via : Multiple Level Calibration



(63) ISOPROPYLBENZENE (m)

16.45min 50.70PPBV m

response 7377186

Ion	Exp%	Act%
105.00	100	100
120.00	27.00	0.00#
77.00	15.40	0.00
0.00	0.00	0.00

J10650.D J061407T.M Thu Jun 14 17:56:01 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10653.D
Acq On : 15 Jun 2007 10:26 am
Operator : danat
Sample : icv552-10 (m057)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 16 10:52:16 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 15 09:22:40 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	271618	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1130551	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	991134	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	309209	5.22	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 104.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1202725	10.52	PPBV	100
3) PROPYLENE	4.00	41	196823	11.53	PPBV	98
4) FREON 114	4.32	85	1059439	10.27	PPBV	100
5) CHLOROMETHANE	4.23	50	261497	10.35	PPBV	97
6) VINYL CHLORIDE	4.45	62	316230	11.01	PPBV	99
7) 1,3-BUTADIENE	4.58	39	213864	11.30	PPBV	99
8) BROMOMETHANE	4.86	94	370072	10.51	PPBV	99
9) CHLOROETHANE	5.03	64	146887	10.65	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.79	101	1200099	10.30	PPBV	100
11) ISOPROPYL ALCOHOL	5.95	45	334082	9.69	PPBV	92
12) ACETONE	5.66	43	308194	8.99	PPBV	99
13) PENTANE	6.14	42	259218	10.60	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	344495	10.36	PPBV	99
15) CARBON DISULFIDE	6.85	76	977691	9.94	PPBV	100
16) ETHANOL	5.21	45	54551	8.55	PPBV #	48
17) BROMOETHENE	5.39	106	366279	11.11	PPBV	98
18) METHYLENE CHLORIDE	6.54	84	299356	9.77	PPBV	99
19) 3-CHLOROPROPENE	6.66	39	229072	10.35	PPBV	98
20) FREON 113	6.79	151	750839	9.67	PPBV	98
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	333595	10.40	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.54	59	453945	10.74	PPBV	97
23) METHYL TERTIARY BUTYL ETHE	7.73	73	596950	10.62	PPBV	99
24) TETRAHYDROFURAN	9.18	42	189538	10.86	PPBV	99
25) HEXANE	8.63	57	325462	9.08	PPBV	99
26) VINYL ACETATE	7.80	43	356574	9.84	PPBV	99
27) 1,1-DICHLOROETHANE	7.66	63	517033	9.85	PPBV	99
28) METHYL ETHYL KETONE	8.07	43	341575	9.86	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.46	96	311252	10.16	PPBV	99
30) ETHYL ACETATE	8.69	43	354481	9.45	PPBV	100
31) CHLOROFORM	8.74	83	720301	10.07	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	850737	10.07	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1084773	10.53	PPBV	100
34) 1,2-DICHLOROETHANE	9.45	62	411890	10.41	PPBV	100
36) BENZENE	10.12	78	789132	10.38	PPBV	99
37) CYCLOHEXANE	10.37	84	392533	11.51	PPBV	100
38) TRICHLOROETHYLENE	11.12	95	410638	10.45	PPBV	100
39) 1,2-DICHLOROPROPANE	10.90	63	254756	10.41	PPBV	99
40) BROMODICHLOROMETHANE	11.09	83	664083	9.71	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1286511	11.60	PPBV	99
42) 1,4-DIOXANE	11.17	88	137848	8.79	PPBV	89
43) HEPTANE	11.36	43	369066	10.90	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10653.D
Acq On : 15 Jun 2007 10:26 am
Operator : danat
Sample : icv552-10 (m057)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 16 10:52:16 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 15 09:22:40 2007
Response via : Initial Calibration

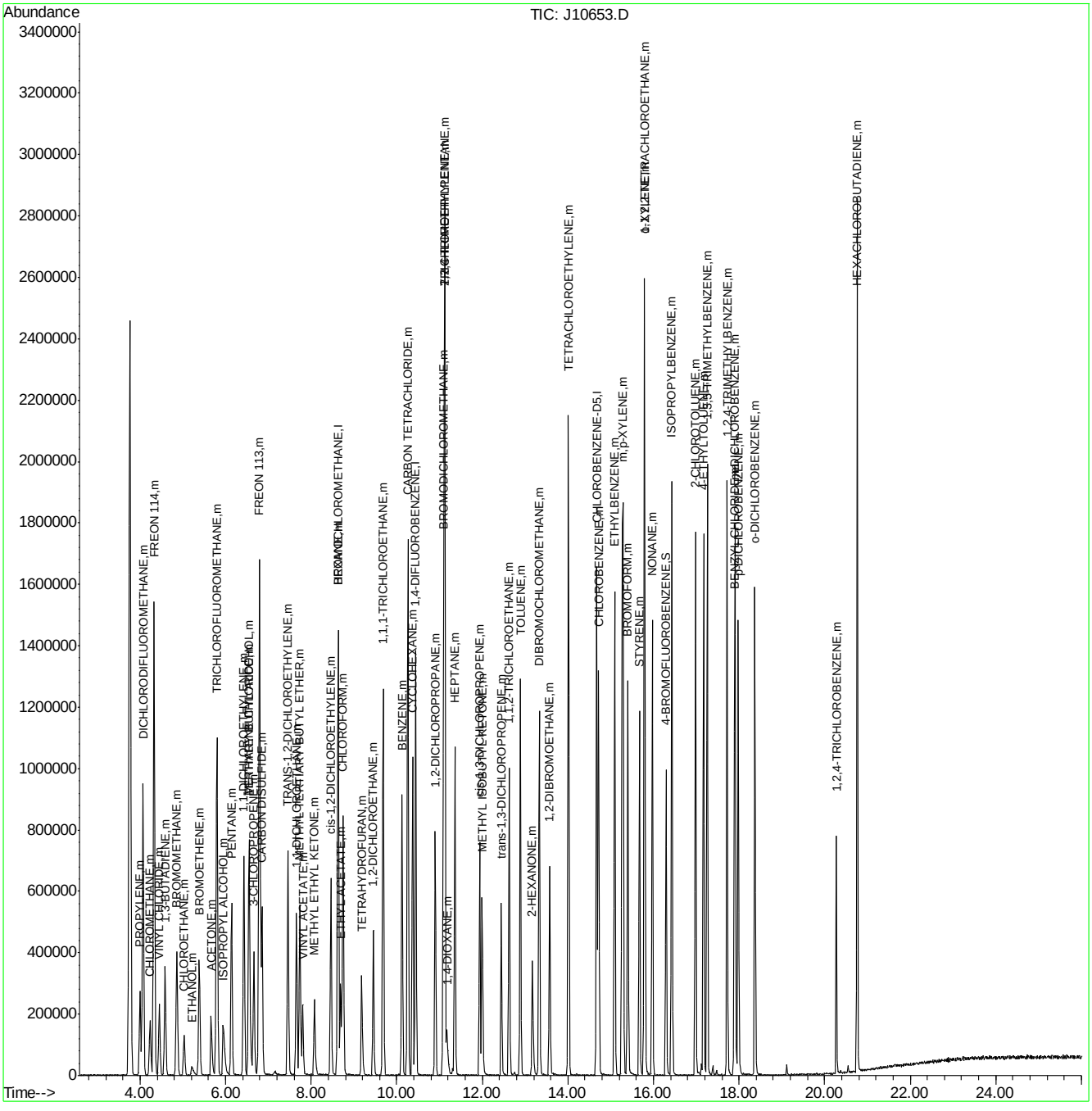
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	409120	10.22	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.94	75	391918	11.59	PPBV	99
46) TOLUENE	12.89	92	535477	11.56	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.44	75	294027	9.52	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	271756	10.42	PPBV	99
50) 2-HEXANONE	13.17	43	313140	9.25	PPBV	99
51) TETRACHLOROETHYLENE	14.01	164	504241	10.46	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	694239	10.09	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	482448	10.18	PPBV	100
54) CHLOROBENZENE	14.72	112	767175	9.89	PPBV	99
55) ETHYLBENZENE	15.09	91	1139276	11.39	PPBV	100
56) m,p-XYLENE	15.27	106	957448	23.22	PPBV	96
57) o-XYLENE	15.79	106	480546	11.66	PPBV	98
58) STYRENE	15.67	104	596824	10.88	PPBV	99
59) NONANE	15.97	43	484356	10.24	PPBV	99
60) BROMOFORM	15.40	173	688734	10.29	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	623326	10.12	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	1365686	11.58	PPBV	100
64) 2-CHLOROTOLUENE	16.98	91	920125	11.40	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1084356	10.72	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1083505	10.65	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	987810	11.39	PPBV	99
68) m-DICHLOROBENZENE	17.90	146	688547	9.09	PPBV	99
69) BENZYL CHLORIDE	17.89	91	479459	9.94	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	623171	8.83	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	647903	9.73	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	505987	12.81	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.27	180	214159	9.48	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10653.D
Acq On : 15 Jun 2007 10:26 am
Operator : danat
Sample : icv552-10 (m057)
Misc : MS13724, MSJ552,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 16 10:52:16 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 15 09:22:40 2007
Response via : Initial Calibration



J061407T.M Sat Jun 16 14:10:14 2007 Page: 3

ACCUTEST Laboratories M65248R

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10716.D
Acq On : 21 Jun 2007 12:37 pm
Operator : danat
Sample : cc552-10 (m045)
Misc : MS13762, MSJ555,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 21 13:06:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 15 09:22:40 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	310271	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1254436	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	1130075	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.30	95	400144	5.92	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 118.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1303075	9.98	PPBV	99
3) PROPYLENE	4.00	41	210209	10.78	PPBV	97
4) FREON 114	4.33	85	1154986	9.80	PPBV	98
5) CHLOROMETHANE	4.24	50	284249	9.85	PPBV	97
6) VINYL CHLORIDE	4.46	62	340484	10.38	PPBV	99
7) 1,3-BUTADIENE	4.59	39	252642	11.68	PPBV	96
8) BROMOMETHANE	4.87	94	386187	9.60	PPBV	99
9) CHLOROETHANE	5.04	64	163043	10.35	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.80	101	1374111	10.32	PPBV	100
11) ISOPROPYL ALCOHOL	5.98	45	187161	4.75	PPBV	96
12) ACETONE	5.67	43	367769	9.40	PPBV	97
13) PENTANE	6.14	42	303637	10.87	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.43	96	362854	9.55	PPBV	90
15) CARBON DISULFIDE	6.85	76	1041016	9.26	PPBV	97
16) ETHANOL	5.24	45	26338	3.61	PPBV	93
17) BROMOETHENE	5.39	106	385938	10.25	PPBV	98
18) METHYLENE CHLORIDE	6.55	84	330446	9.42	PPBV	95
19) 3-CHLOROPROPENE	6.66	39	318481	12.60	PPBV	91
20) FREON 113	6.80	151	803969	9.07	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	363594	9.92	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.58	59	265333	5.50	PPBV #	79
23) METHYL TERTIARY BUTYL ETHE	7.74	73	717776	11.18	PPBV	98
24) TETRAHYDROFURAN	9.19	42	201932	10.13	PPBV	96
25) HEXANE	8.64	57	391396	9.56	PPBV	95
26) VINYL ACETATE	7.81	43	449969	10.88	PPBV	97
27) 1,1-DICHLOROETHANE	7.66	63	629360	10.50	PPBV	100
28) METHYL ETHYL KETONE	8.09	43	374038	9.45	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.47	96	361046	10.32	PPBV	95
30) ETHYL ACETATE	8.70	43	423291	9.88	PPBV	100
31) CHLOROFORM	8.75	83	854570	10.46	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.69	97	1027767	10.65	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	1225010	10.41	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	502152	11.11	PPBV	99
36) BENZENE	10.13	78	887491	10.52	PPBV	99
37) CYCLOHEXANE	10.37	84	425413	11.24	PPBV	98
38) TRICHLOROETHYLENE	11.12	95	450077	10.32	PPBV	97
39) 1,2-DICHLOROPROPANE	10.91	63	292458	10.77	PPBV	98
40) BROMODICHLOROMETHANE	11.10	83	751102	9.90	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	1494864	12.15	PPBV	99
42) 1,4-DIOXANE	11.21	88	61302	3.52	PPBV	96
43) HEPTANE	11.36	43	450600	11.99	PPBV	95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10716.D
Acq On : 21 Jun 2007 12:37 pm
Operator : danat
Sample : cc552-10 (m045)
Misc : MS13762, MSJ555,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 21 13:06:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 15 09:22:40 2007
Response via : Initial Calibration

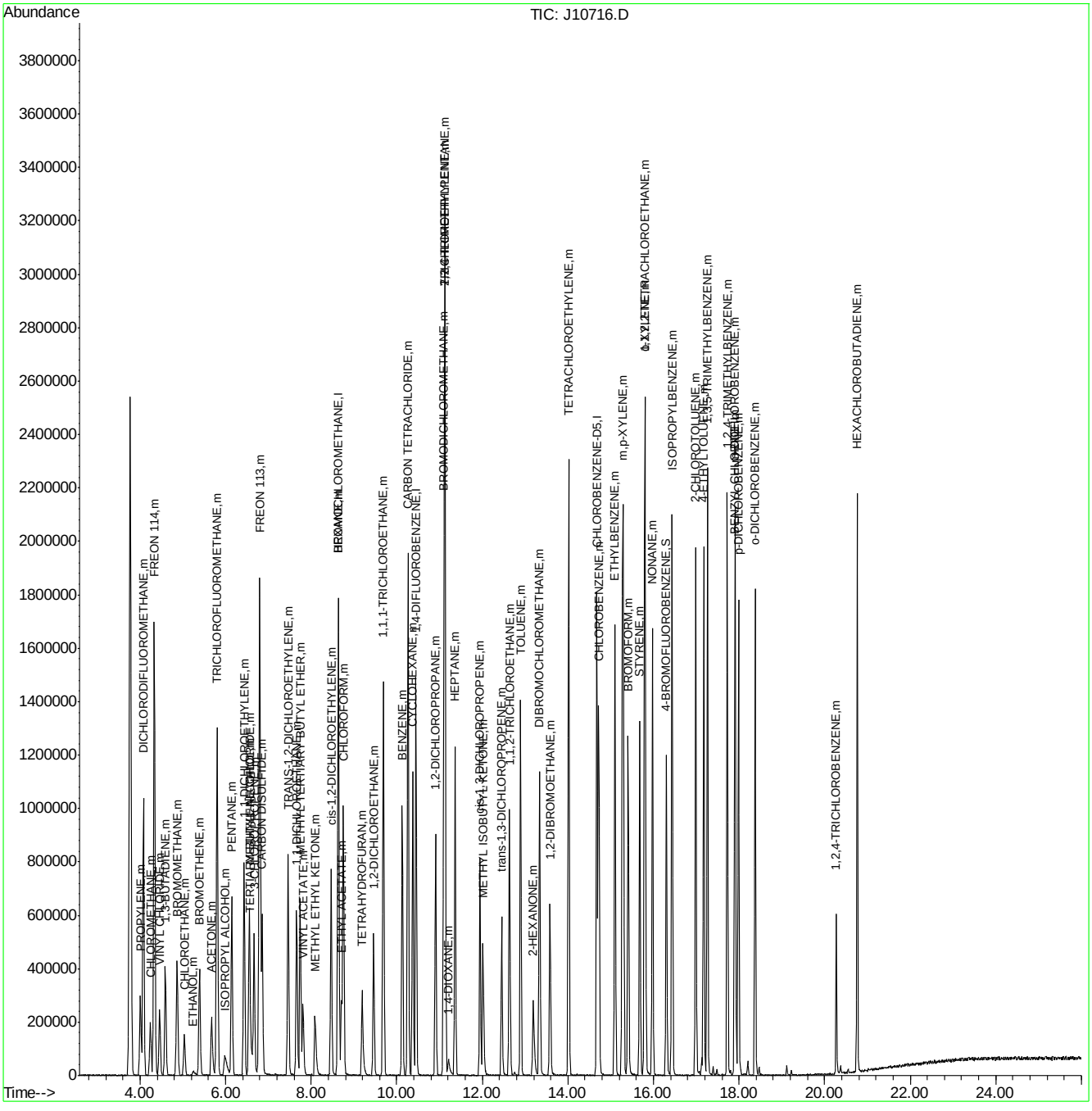
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	410652	9.25	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.94	75	419947	11.24	PPBV	95
46) TOLUENE	12.89	92	602511	11.72	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.45	75	343707	9.95	PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.63	83	287247	9.93	PPBV	98
50) 2-HEXANONE	13.19	43	288548	7.47	PPBV	97
51) TETRACHLOROETHYLENE	14.02	164	534401	9.72	PPBV	98
52) DIBROMOCHLOROMETHANE	13.33	129	744340	9.49	PPBV	100
53) 1,2-DIBROMOETHANE	13.58	107	522378	9.66	PPBV	100
54) CHLOROBENZENE	14.72	112	830241	9.39	PPBV	98
55) ETHYLBENZENE	15.10	91	1291537	11.34	PPBV	99
56) m,p-XYLENE	15.29	106	1059966	22.62	PPBV	97
57) o-XYLENE	15.79	106	537629	11.46	PPBV	97
58) STYRENE	15.68	104	714580	11.33	PPBV	99
59) NONANE	15.98	43	583835	10.78	PPBV	98
60) BROMOFORM	15.41	173	729332	9.56	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	666291	9.49	PPBV	99
63) ISOPROPYLBENZENE	16.44	105	1561886	11.61	PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	1086501	11.75	PPBV	98
65) 4-ETHYLTOLUENE	17.18	105	1273427	11.00	PPBV	97
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1253028	10.81	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1146521	11.56	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	806124	9.33	PPBV	98
69) BENZYL CHLORIDE	17.89	91	519026	9.52	PPBV	98
70) p-DICHLOROBENZENE	17.99	146	731546	9.09	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	713910	9.41	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	373415	8.13	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	166211	6.57	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10716.D
Acq On : 21 Jun 2007 12:37 pm
Operator : danat
Sample : cc552-10 (m045)
Misc : MS13762, MSJ555,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 21 13:06:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J061407T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Jun 15 09:22:40 2007
Response via : Initial Calibration



ACCUTEST Laboratories M65248R

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/16/07 18:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3387.D
Acq On : 15 May 2007 5:12 pm
Operator : PhilipB
Sample : IC185-2 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 17:38:39 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 16:13:49 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.422	128	122843	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.343	114	613891	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	545288	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.332	95	217174	4.82	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 96.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.593	85	208384	2.32	PPBV	86
3) PROPYLENE	3.520	41	62735	2.50	PPBV	86
4) FREON 114	3.858	85	208312	2.42	PPBV #	100
5) CHLOROMETHANE	3.760	50	82021	2.52	PPBV	92
6) VINYL CHLORIDE	3.982	62	72469	2.53	PPBV	73
7) 1,3-BUTADIENE	4.120	39	61434	2.52	PPBV #	100
8) BROMOMETHANE	4.399	94	67244	2.45	PPBV #	100
9) CHLOROETHANE	4.571	64	31098	2.54	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.389	101	214239	2.41	PPBV #	100
11) ISOPROPYL ALCOHOL	5.442	45	105526	2.66	PPBV	91
12) ACETONE	5.190	43	104671	2.68	PPBV #	71
13) PENTANE	5.765	42	56825	2.86	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.065	96	57066	2.37	PPBV #	22
15) CARBON DISULFIDE	6.525	76	139381	2.35	PPBV	67
16) ETHANOL	4.669	45	24015	2.71	PPBV #	100
17) BROMOETHENE	4.940	106	67917	2.41	PPBV #	100
18) METHYLENE CHLORIDE	6.191	84	63785	3.26	PPBV #	1
19) 3-CHLOROPROPENE	6.316	39	44837	2.49	PPBV #	1
20) FREON 113	6.468	151	109797	2.11	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.182	96	52419	2.17	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.090	59	118964	2.72	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.444	73	115051	2.10	PPBV #	100
24) TETRAHYDROFURAN	8.956	42	88300	2.60	PPBV #	100
25) HEXANE	8.458	57	89941	2.55	PPBV #	100
26) VINYL ACETATE	7.530	43	194754	4.24	PPBV	89
27) 1,1-DICHLOROETHANE	7.386	63	113481	2.70	PPBV #	100
28) METHYL ETHYL KETONE	7.792	43	168665	2.67	PPBV	87
29) cis-1,2-DICHLOROETHYLENE	8.248	96	45711	2.18	PPBV #	100
30) ETHYL ACETATE	8.460	43	270261	2.73	PPBV	100
31) CHLOROFORM	8.548	83	124604	2.32	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.549	97	121879	2.08	PPBV	90
33) CARBON TETRACHLORIDE	10.160	117	128126	1.94	PPBV	94
34) 1,2-DICHLOROETHANE	9.297	62	99543	2.20	PPBV	100
36) BENZENE	10.009	78	141084	2.17	PPBV	89
37) CYCLOHEXANE	10.282	84	49118	2.06	PPBV #	31
38) TRICHLOROETHYLENE	11.047	95	72286	1.91	PPBV #	82
39) 1,2-DICHLOROPROPANE	10.822	63	68885	2.16	PPBV #	58
40) BROMODICHLOROMETHANE	11.008	83	120366	1.90	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.070	57	328884	2.21	PPBV #	92
42) 1,4-DIOXANE	11.044	88	25019	1.88	PPBV #	5
43) HEPTANE	11.322	43	140755	2.25	PPBV #	75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3387.D
Acq On : 15 May 2007 5:12 pm
Operator : PhilipB
Sample : IC185-2 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 17:38:39 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 16:13:49 2007
Response via : Initial Calibration

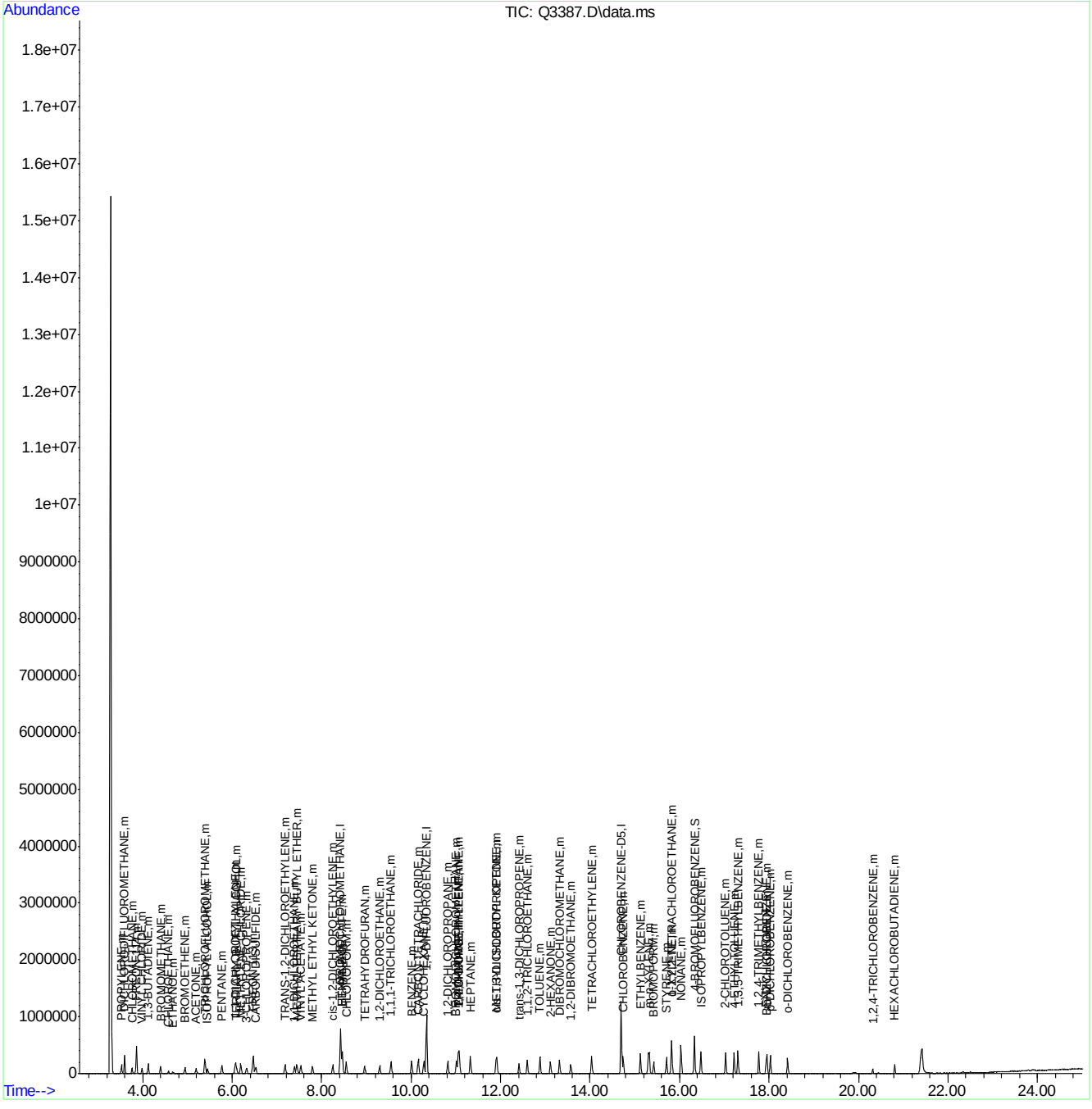
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.915	43	190844	2.13	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.897	75	86189	1.87	PPBV	99
46) TOLUENE	12.882	92	94014	1.91	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.412	75	73578	1.75	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.597	83	56902	2.05	PPBV	91
50) 2-HEXANONE	13.113	43	156095	1.97	PPBV	96
51) TETRACHLOROETHYLENE	14.036	164	46283	1.55	PPBV #	80
52) DIBROMOCHLOROMETHANE	13.313	129	106166	1.66	PPBV	99
53) 1,2-DIBROMOETHANE	13.566	107	98508	1.81	PPBV	99
54) CHLOROBENZENE	14.740	112	125797	1.86	PPBV	90
55) ETHYLBENZENE	15.126	91	218178	1.85	PPBV	94
56) m,p-XYLENE	15.321	106	150900m	3.48	PPBV	
57) o-XYLENE	15.827	106	74275	1.68	PPBV	90
58) STYRENE	15.708	104	104058	1.66	PPBV	98
59) NONANE	16.034	43	217176	2.23	PPBV	82
60) BROMOFORM	15.418	173	76195	1.38	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.819	83	131599	1.80	PPBV	95
63) ISOPROPYLBENZENE	16.478	105	220668	1.73	PPBV	96
64) 2-CHLOROTOLUENE	17.030	91	171650	1.73	PPBV	92
65) 4-ETHYLTOLUENE	17.222	105	191946	1.63	PPBV	92
66) 1,3,5-TRIMETHYLBENZENE	17.303	105	177757	1.63	PPBV	93
67) 1,2,4-TRIMETHYLBENZENE	17.770	105	164475	1.52	PPBV	92
68) m-DICHLOROBENZENE	17.955	146	90859	1.37	PPBV	94
69) BENZYL CHLORIDE	17.931	91	108545	1.29	PPBV	92
70) p-DICHLOROBENZENE	18.029	146	89910	1.41	PPBV	93
71) o-DICHLOROBENZENE	18.416	146	74132	1.29	PPBV	93
72) HEXACHLOROBUTADIENE	20.808	225	13993	1.10	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.322	180	14039	1.75	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3387.D
Acq On : 15 May 2007 5:12 pm
Operator : PhilipB
Sample : IC185-2 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 17:38:39 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 16:13:49 2007
Response via : Initial Calibration

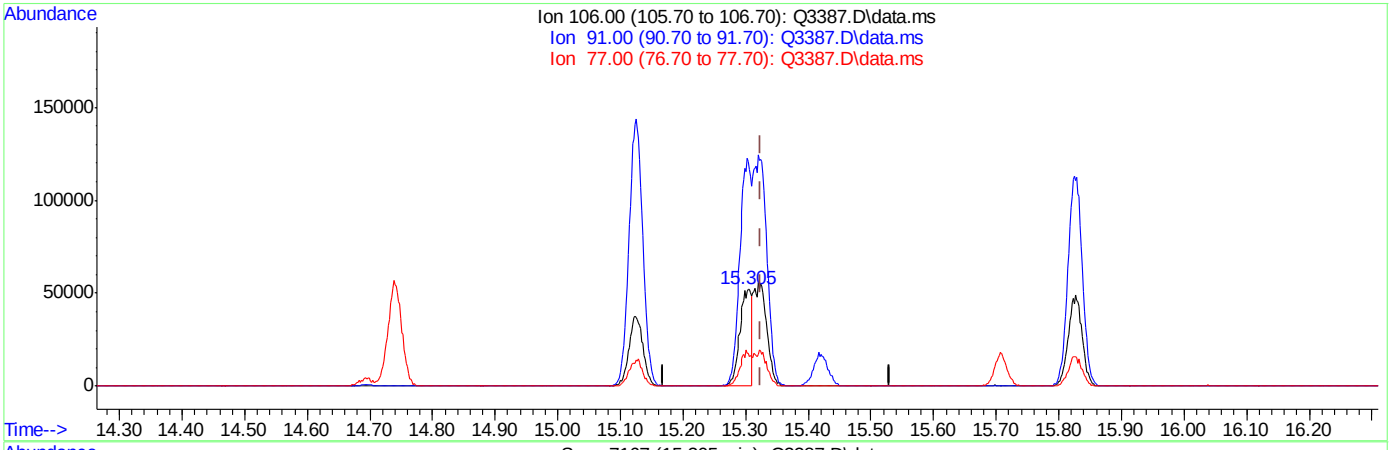


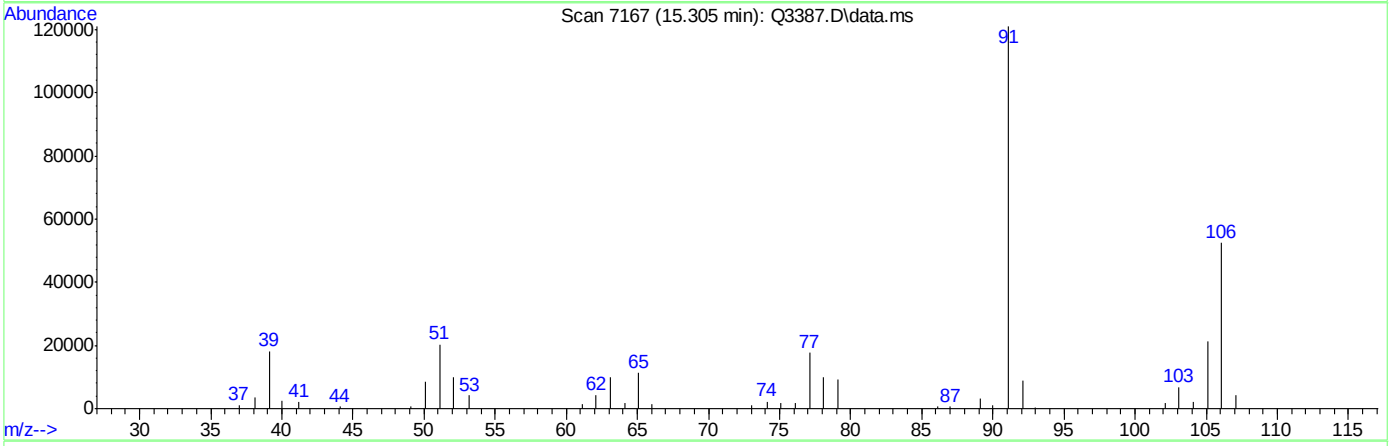
ACCUTEST Laboratories
M65248R

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3387.D
Acq On : 15 May 2007 5:12 pm
Operator : PhilipB
Sample : IC185-2 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 17:38:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 16:13:49 2007
Response via : Initial Calibration





TIC: Q3387.D\data.ms

(56) m,p-XYLENE (m)

15.305min (-0.019) 1.61PPBV

response 69695

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	231.05
77.00	30.60	33.87
0.00	0.00	0.00

ACCUTEST Laboratories M65248R

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3387.D
Acq On    : 15 May 2007   5:12 pm
Operator  : PhilipB
Sample    : IC185-2 (M060)
Misc      : MS13535,MSQ185,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 15 17:38:09 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 16:13:49 2007
Response via : Initial Calibration
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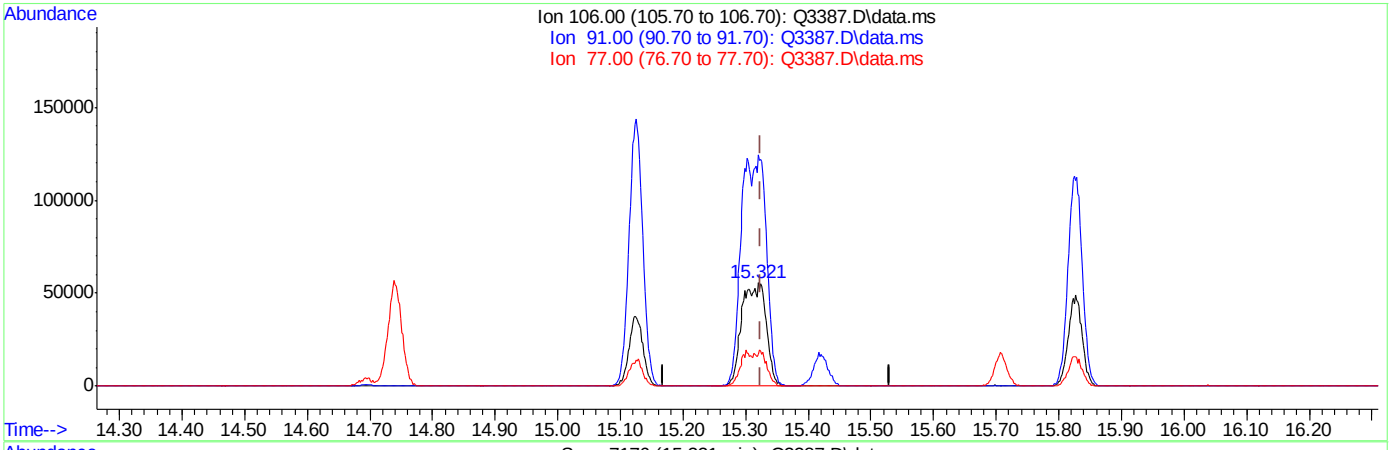
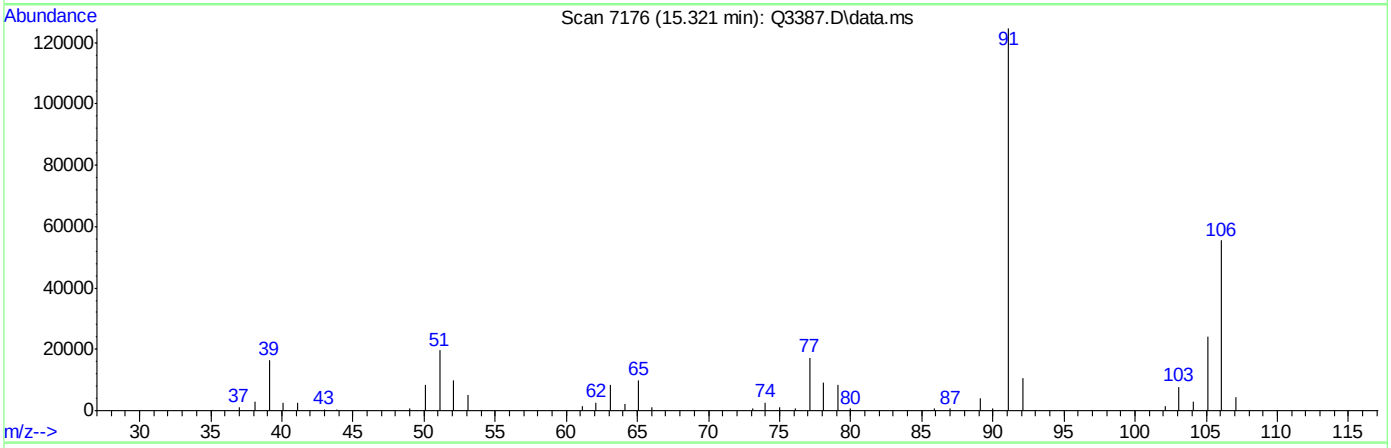




TIC: Q3387.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.004) 3.48PPBV m

response 150900

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	224.73
77.00	30.60	31.22
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/16/07 18:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 19:01:14 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 18:28:40 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.419	128	89822	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.342	114	448955	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	361598	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	152465	5.13	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 102.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.593	85	13893	0.21	PPBV	84
3) PROPYLENE	3.522	41	5278	0.26	PPBV #	77
4) FREON 114	3.857	85	13394	0.21	PPBV #	100
5) CHLOROMETHANE	3.760	50	5951	0.23	PPBV	78
6) VINYL CHLORIDE	3.985	62	4878	0.22	PPBV	74
7) 1,3-BUTADIENE	4.118	39	5931	0.31	PPBV #	100
8) BROMOMETHANE	4.399	94	3705	0.18	PPBV #	100
9) CHLOROETHANE	4.569	64	1930m	0.20	PPBV	
10) TRICHLOROFLUOROMETHANE	5.385	101	15250	0.23	PPBV #	100
11) ISOPROPYL ALCOHOL	5.449	45	15779	0.45	PPBV	93
12) ACETONE	5.192	43	15719	0.46	PPBV #	77
13) PENTANE	5.767	42	5780	0.35	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.074	96	3740	0.20	PPBV #	12
15) CARBON DISULFIDE	6.520	76	9661	0.22	PPBV #	30
16) ETHANOL	4.677	45	4543	0.53	PPBV	100
17) BROMOETHENE	4.935	106	3981	0.19	PPBV #	100
18) METHYLENE CHLORIDE	6.189	84	7955	0.40	PPBV #	1
19) 3-CHLOROPROPENE	6.312	39	4493	0.31	PPBV #	1
20) FREON 113	6.465	151	8059	0.21	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.178	96	3704	0.21	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.104	59	9432	0.27	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.451	73	9104	0.23	PPBV	100
24) TETRAHYDROFURAN	8.979	42	5208	0.20	PPBV	100
25) HEXANE	8.463	57	6272	0.23	PPBV #	100
26) VINYL ACETATE	7.531	43	9146	0.22	PPBV	75
27) 1,1-DICHLOROETHANE	7.396	63	7472	0.23	PPBV #	100
28) METHYL ETHYL KETONE	7.799	43	12311	0.24	PPBV	76
29) cis-1,2-DICHLOROETHYLENE	8.245	96	2293	0.15	PPBV #	100
30) ETHYL ACETATE	8.466	43	18708	0.24	PPBV #	100
31) CHLOROFORM	8.543	83	8897	0.22	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.549	97	7764m	0.19	PPBV	
33) CARBON TETRACHLORIDE	10.152	117	8027	0.18	PPBV	92
34) 1,2-DICHLOROETHANE	9.299	62	6574	0.20	PPBV #	98
36) BENZENE	10.011	78	8420	0.18	PPBV	97
37) CYCLOHEXANE	10.275	84	2220	0.14	PPBV #	19
38) TRICHLOROETHYLENE	11.051	95	3516	0.14	PPBV #	75
39) 1,2-DICHLOROPROPANE	10.813	63	3945	0.17	PPBV #	52
40) BROMODICHLOROMETHANE	11.013	83	7185	0.17	PPBV	93
41) 2,2,4-TRIMETHYLPENTANE	11.068	57	17081	0.16	PPBV #	94
42) 1,4-DIOXANE	11.056	88	1587	0.17	PPBV #	1
43) HEPTANE	11.324	43	6671	0.15	PPBV #	66

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 19:01:14 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 18:28:40 2007
Response via : Initial Calibration

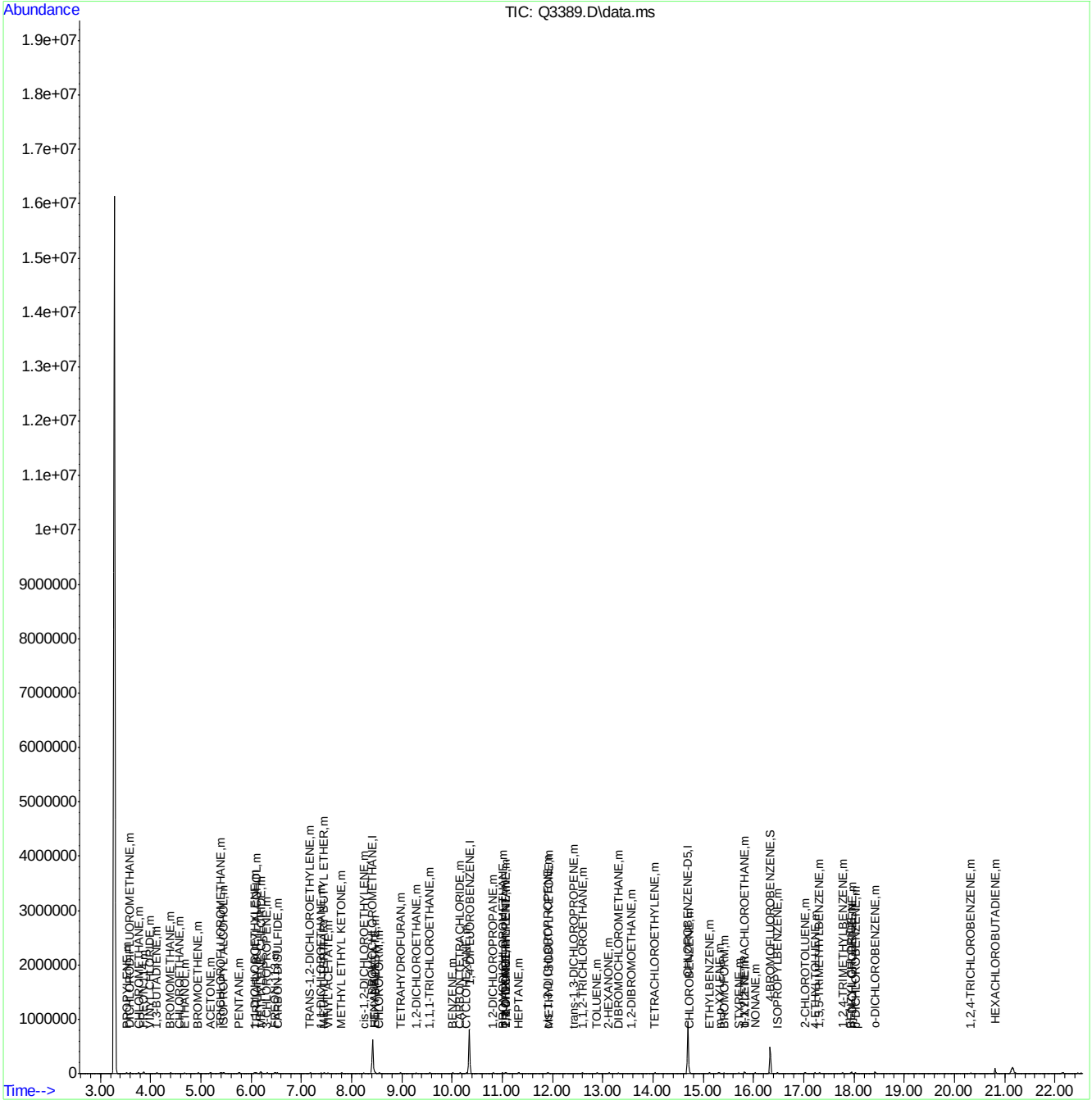
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.920	43	9555	0.15	PPBV	84
45) cis-1,3-DICHLOROPROPENE	11.895	75	4173	0.14	PPBV	93
46) TOLUENE	12.884	92	4089	0.12	PPBV #	81
47) trans-1,3-DICHLOROPROPENE	12.412	75	2997	0.11	PPBV #	80
48) 1,1,2-TRICHLOROETHANE	12.593	83	3083	0.16	PPBV	90
50) 2-HEXANONE	13.118	43	10136	0.19	PPBV #	83
51) TETRACHLOROETHYLENE	14.029	164	1868	0.11	PPBV #	55
52) DIBROMOCHLOROMETHANE	13.315	129	5272	0.14	PPBV	96
53) 1,2-DIBROMOETHANE	13.567	107	4975	0.15	PPBV #	90
54) CHLOROBENZENE	14.737	112	6120	0.15	PPBV	85
55) ETHYLBENZENE	15.131	91	9941	0.14	PPBV	83
56) m,p-XYLENE	15.324	106	6463m	0.25	PPBV	
57) o-XYLENE	15.825	106	3584	0.14	PPBV	89
58) STYRENE	15.706	104	3255	0.09	PPBV	98
59) NONANE	16.032	43	11082	0.17	PPBV #	72
60) BROMOFORM	15.425	173	3903	0.13	PPBV #	72
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	9968	0.21	PPBV	92
63) ISOPROPYLBENZENE	16.476	105	11414	0.15	PPBV	91
64) 2-CHLOROTOLUENE	17.028	91	9634	0.16	PPBV	89
65) 4-ETHYLTOLUENE	17.218	105	9884m	0.14	PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	11175	0.17	PPBV	91
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	10547	0.16	PPBV	90
68) m-DICHLOROBENZENE	17.956	146	6379	0.17	PPBV	94
69) BENZYL CHLORIDE	17.931	91	7819	0.16	PPBV	87
70) p-DICHLOROBENZENE	18.031	146	4813	0.13	PPBV	89
71) o-DICHLOROBENZENE	18.414	146	7856	0.23	PPBV	91
72) HEXACHLOROBUTADIENE	20.806	225	7693	0.62	PPBV	96
73) 1,2,4-TRICHLOROBENZENE	20.317	180	2282	0.37	PPBV	85

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

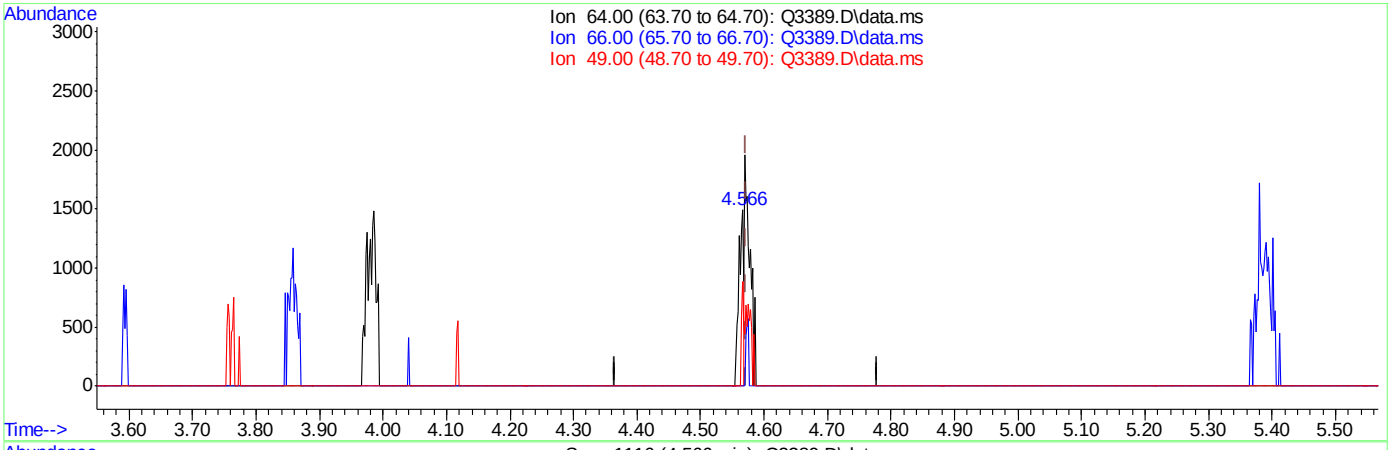
Quant Time: May 15 19:01:14 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 18:28:40 2007
Response via : Initial Calibration

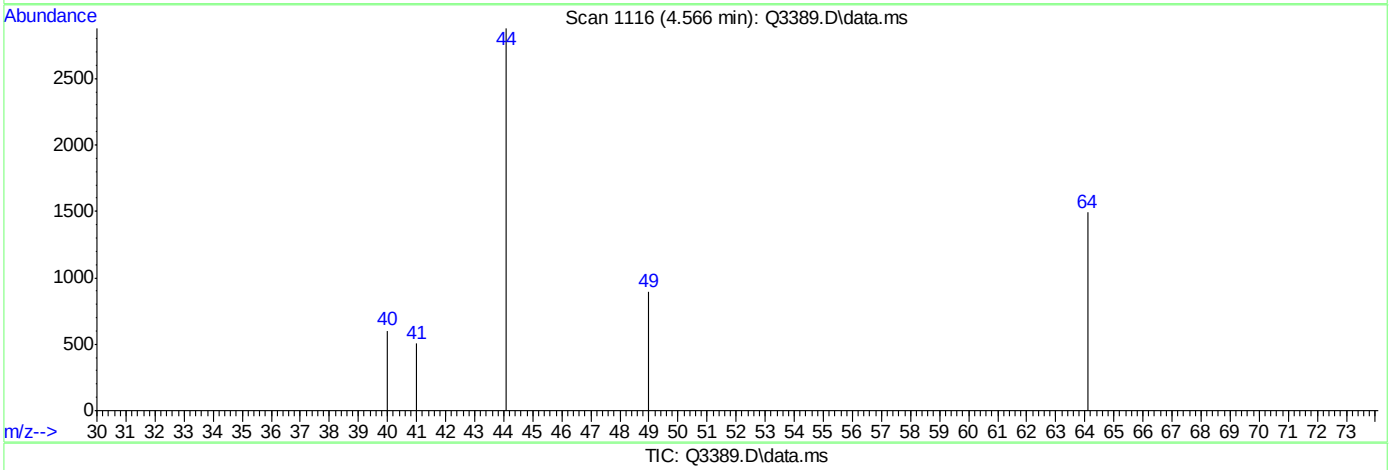


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 19:00:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 18:28:40 2007
Response via : Initial Calibration





TIC: Q3389.D\data.ms

(9) CHLOROETHANE (m)

4.566min (-0.007) 0.08PPBV

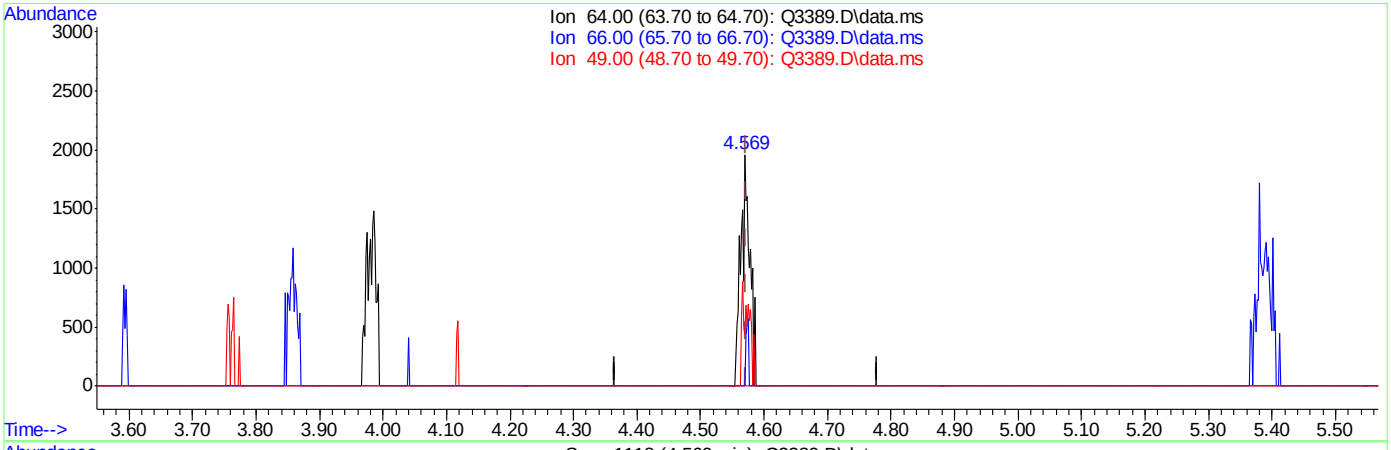
response 754

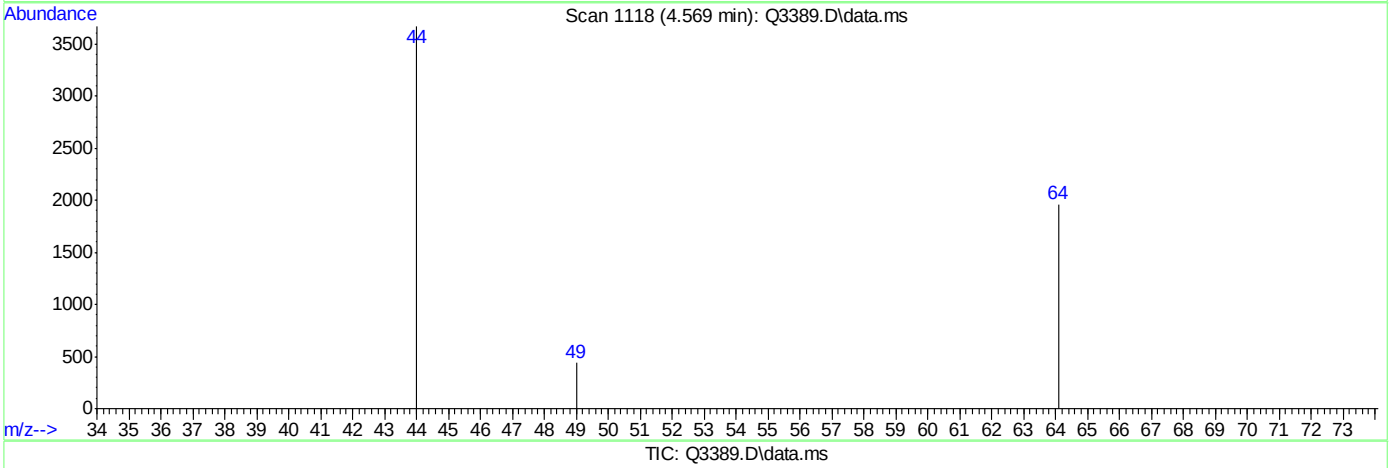
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	21.49#
49.00	0.00	91.11#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 19:00:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 18:28:40 2007
Response via : Initial Calibration





TIC: Q3389.D\data.ms

(9) CHLOROETHANE (m)

4.569min (-0.004) 0.20PPBV m

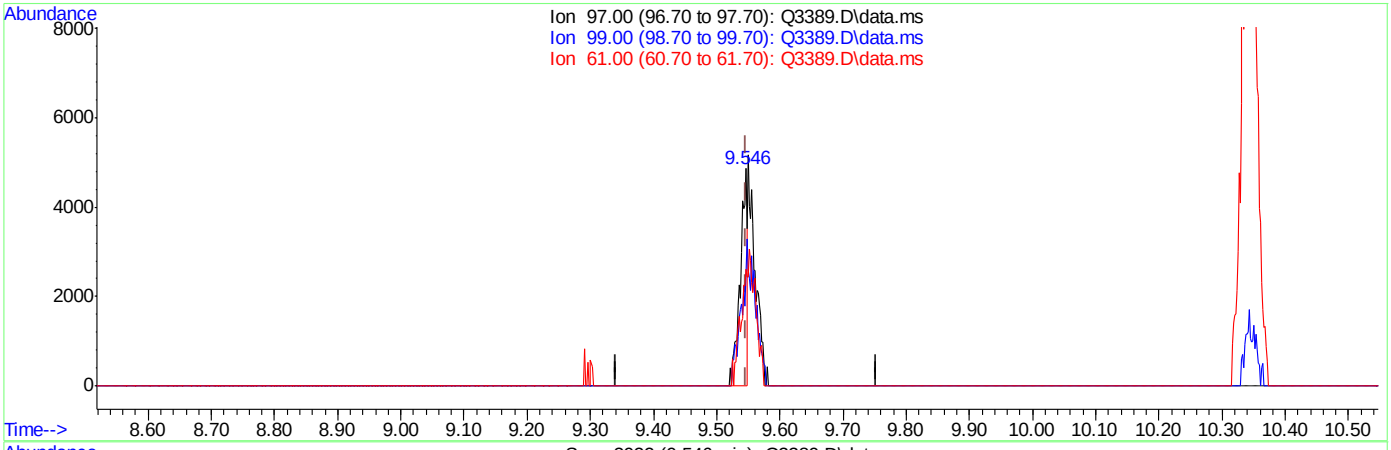
response 1930

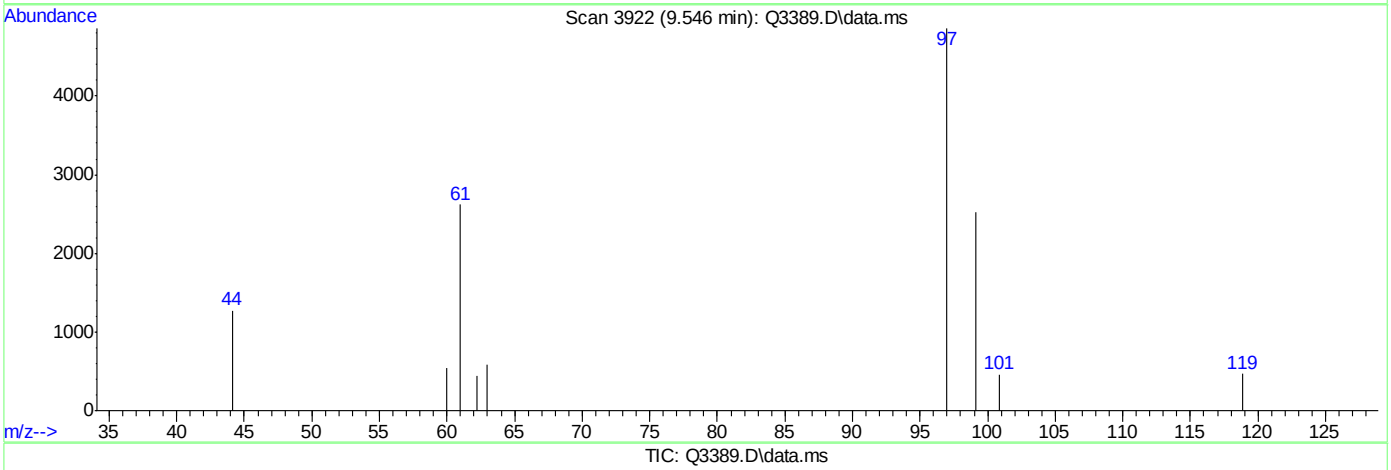
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	8.39
49.00	0.00	35.60#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 19:00:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 18:28:40 2007
Response via : Initial Calibration





TIC: Q3389.D\data.ms

(32) 1,1,1-TRICHLOROETHANE (m)

9.546min (-0.002) 0.09PPBV

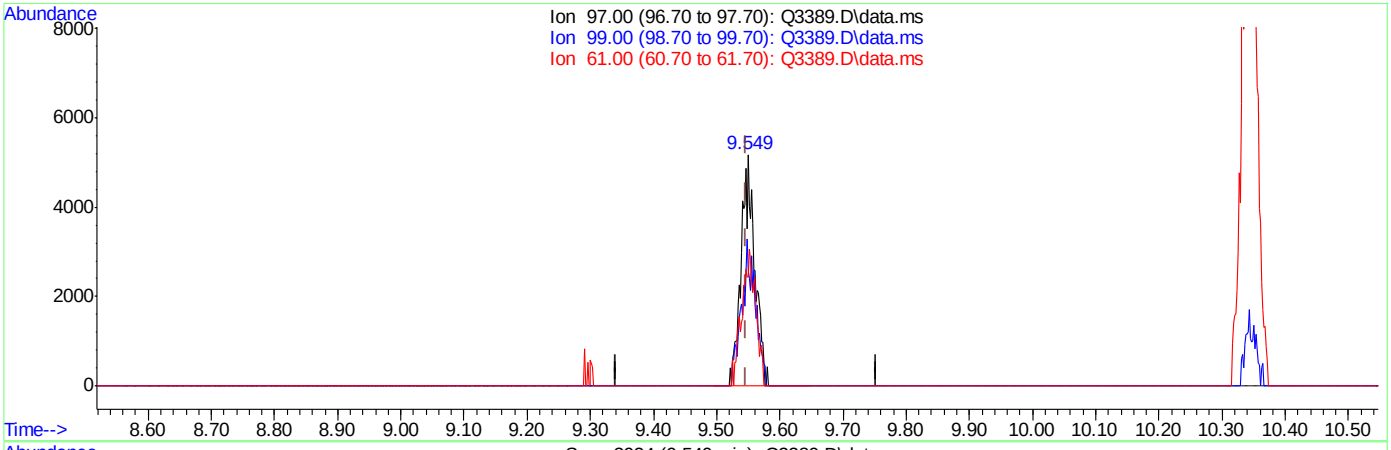
response 3655

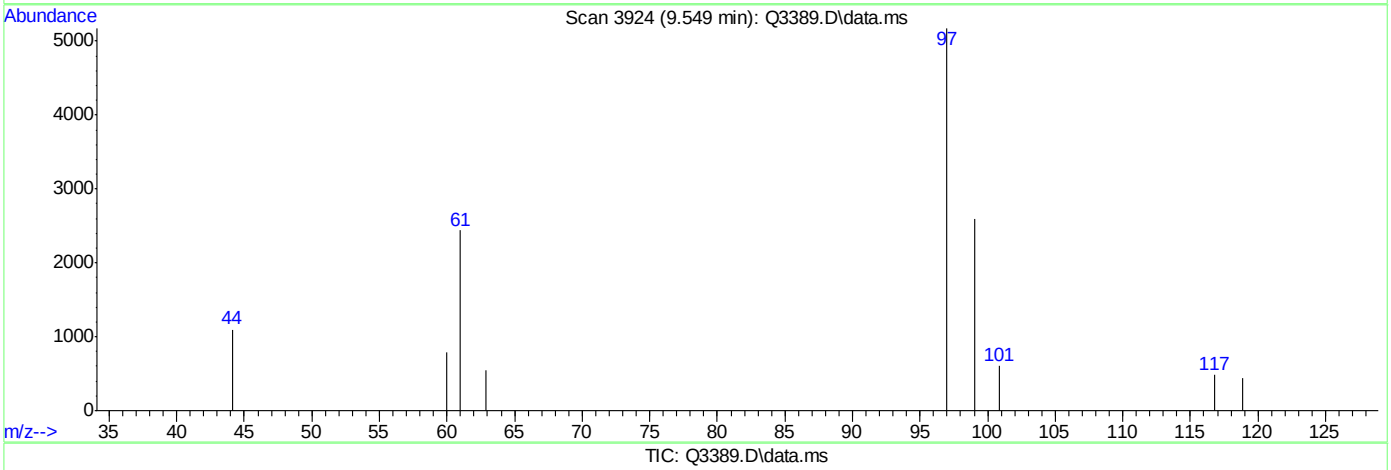
Ion	Exp%	Act%
97.00	100	100
99.00	63.00	135.62#
61.00	38.00	128.56#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 19:00:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 18:28:40 2007
Response via : Initial Calibration





TIC: Q3389.D\data.ms

(32) 1,1,1-TRICHLOROETHANE (m)

9.549min (+0.002) 0.19PPBV m

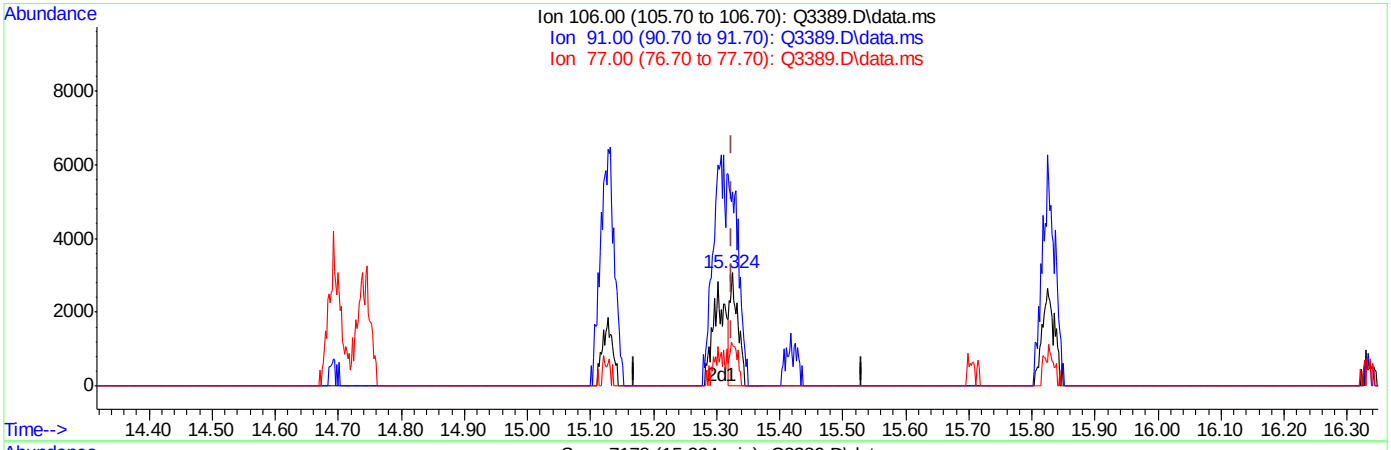
response 7764

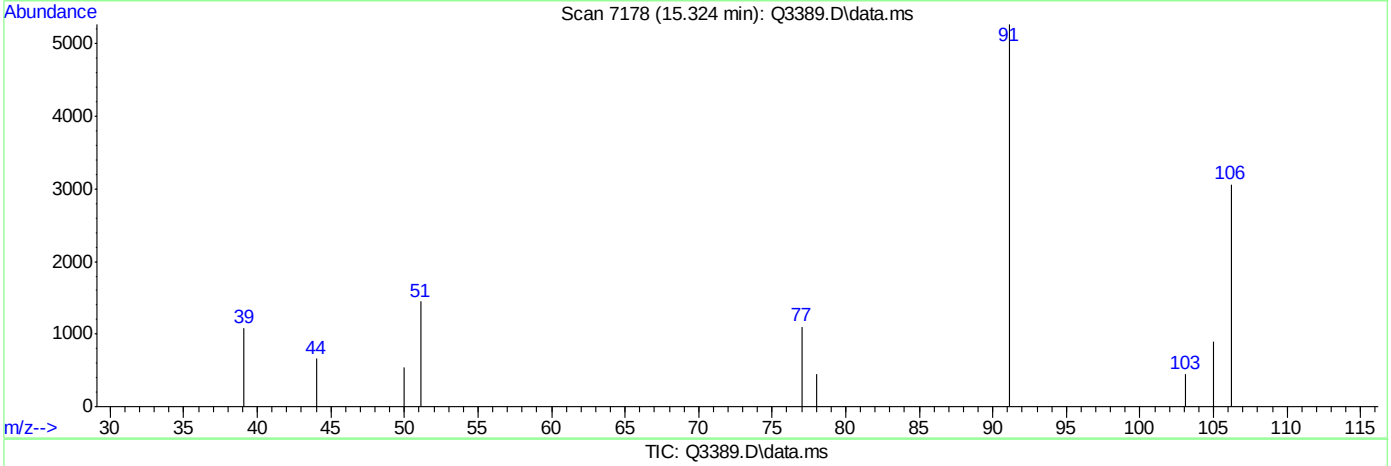
Ion	Exp%	Act%
97.00	100	100
99.00	63.00	63.85
61.00	38.00	60.52#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 19:00:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 18:28:40 2007
Response via : Initial Calibration





TIC: Q3389.D\data.ms

(56) m,p-XYLENE (m)

15.324min (-0.000) 0.11PPBV

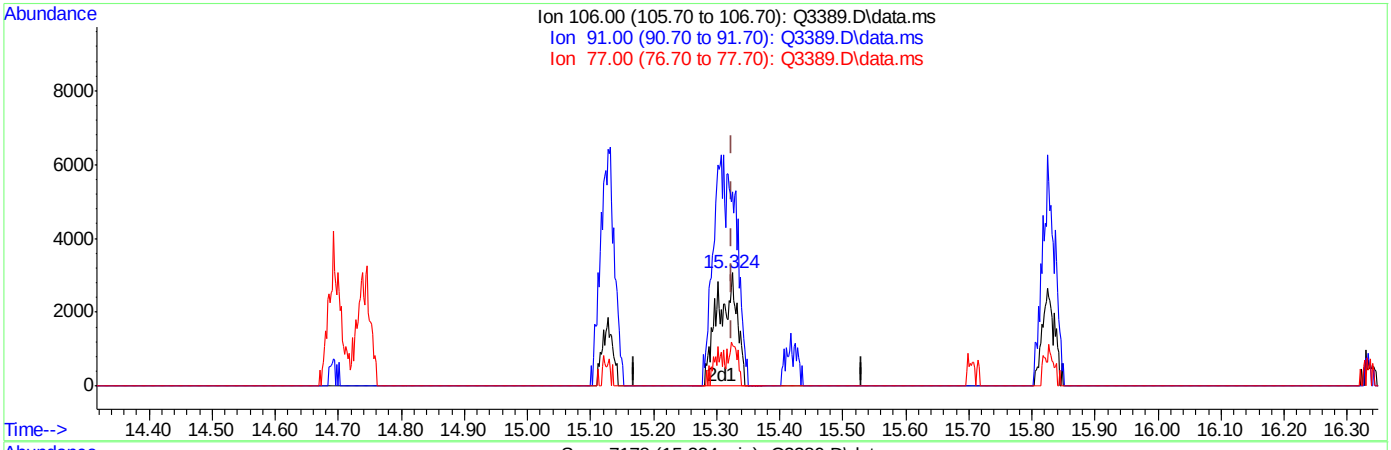
response 2752

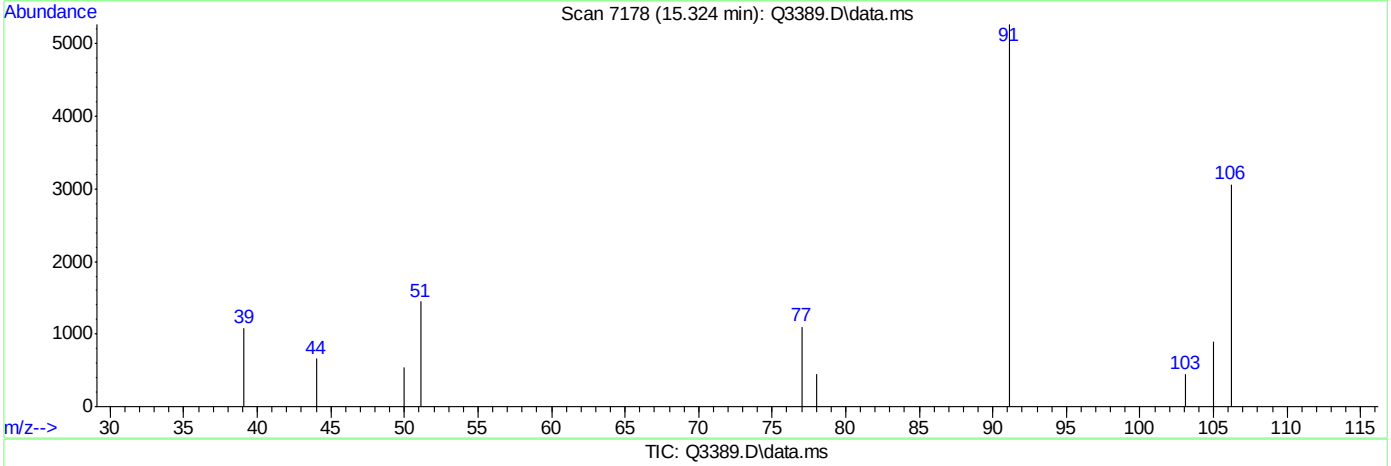
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	171.91
77.00	30.60	35.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On : 15 May 2007 6:37 pm
Operator : PhilipB
Sample : IC185-.2(M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 19:00:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 18:28:40 2007
Response via : Initial Calibration





TIC: Q3389.D\data.ms

(56) m,p-XYLENE (m)

15.324min (-0.000) 0.25PPBV m

response 6463

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	171.91
77.00	30.60	35.92
0.00	0.00	0.00

ACCUTEST Laboratories M65248R

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On    : 15 May 2007   6:37 pm
Operator  : PhilipB
Sample    : IC185-.2(M044)
Misc      : MS13535,MSQ185,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 15 19:00:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 18:28:40 2007
Response via : Initial Calibration
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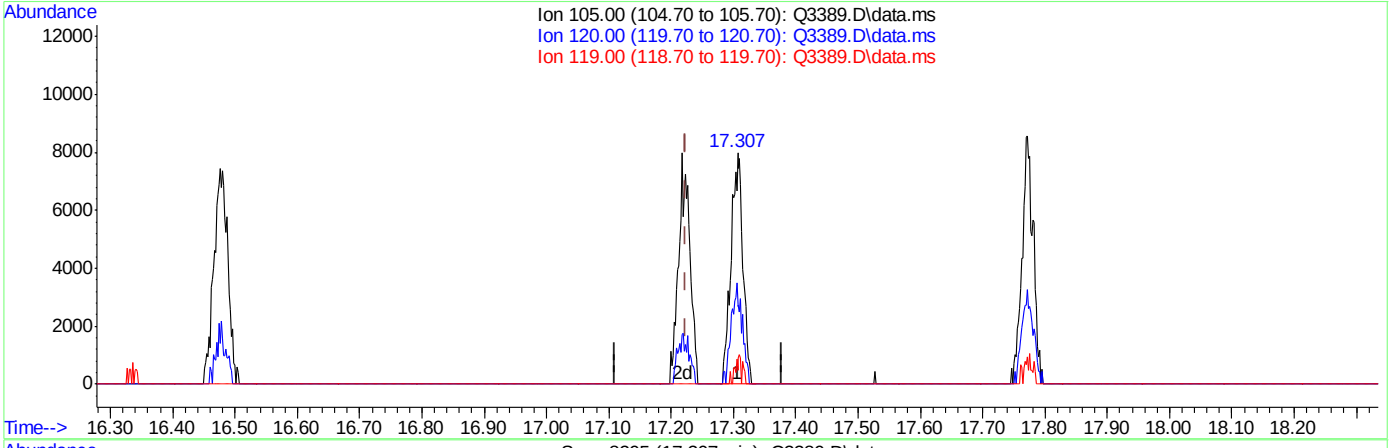
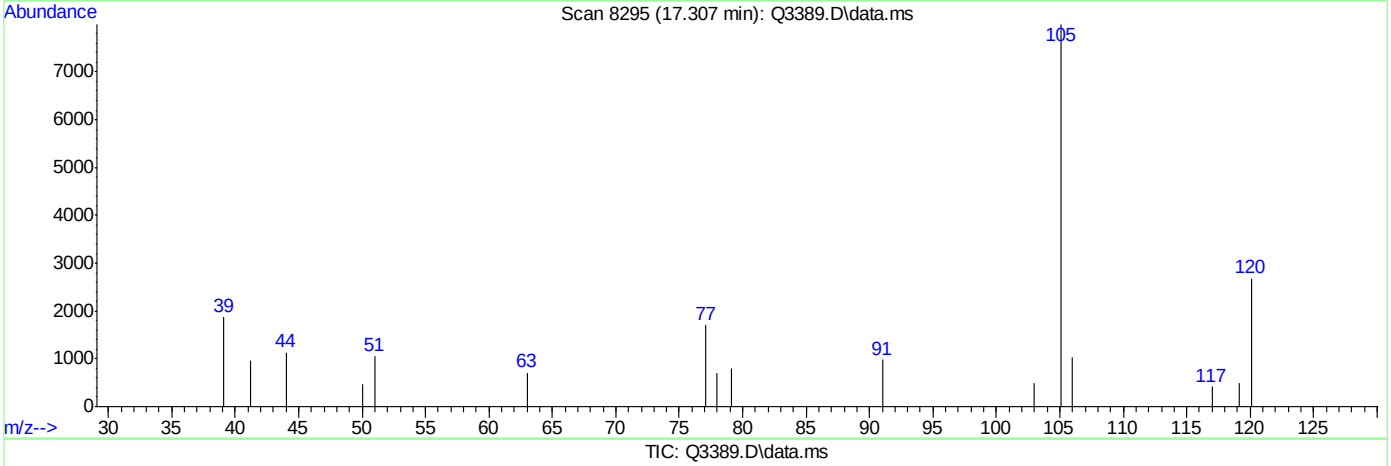




TIC: Q3389.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.307min (+0.083) 0.16PPBV

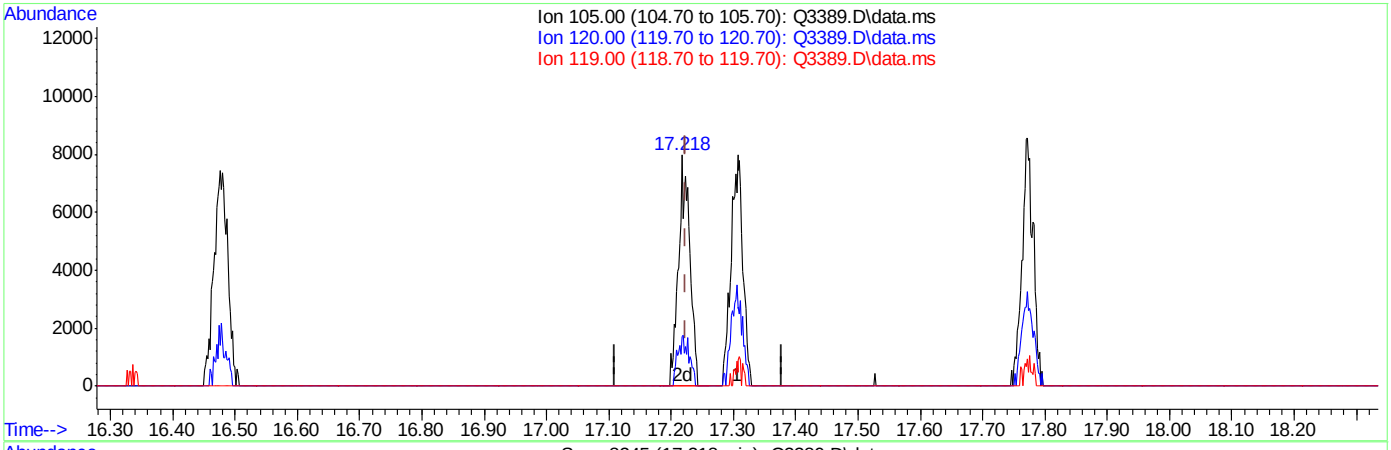
response 11178

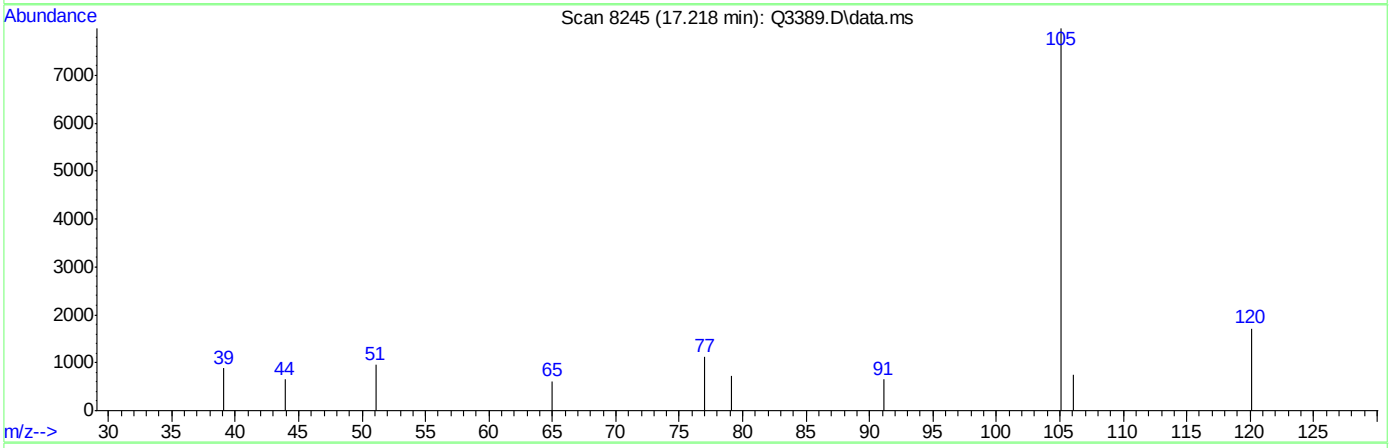
Ion	Exp%	Act%
105.00	100	100
120.00	30.20	40.09
119.00	2.30	7.57
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3389.D
Acq On    : 15 May 2007   6:37 pm
Operator  : PhilipB
Sample    : IC185-.2(M044)
Misc      : MS13535,MSQ185,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: May 15 19:00:24 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 18:28:40 2007
Response via : Initial Calibration
```



TIC: Q3389.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.218min (-0.005) 0.14PPBV m

response 9884

Ion	Exp%	Act%
105.00	100	100
120.00	30.20	45.34
119.00	2.30	8.56
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3390.D
Acq On : 15 May 2007 7:16 pm
Operator : PhilipB
Sample : IC185-40 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 19:45:44 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 19:01:44 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.429	128	94425	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.350	114	443847	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	420269	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.340	95	183630	5.30	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 106.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.595	85	2411405	33.93	PPBV	84
3) PROPYLENE	3.524	41	740306	33.53	PPBV	87
4) FREON 114	3.859	85	2314983	33.64	PPBV #	100
5) CHLOROMETHANE	3.762	50	947674	34.03	PPBV	95
6) VINYL CHLORIDE	3.984	62	798650	33.71	PPBV	72
7) 1,3-BUTADIENE	4.124	39	926261	41.86	PPBV #	100
8) BROMOMETHANE	4.401	94	708158	32.75	PPBV #	100
9) CHLOROETHANE	4.575	64	355314	35.12	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.393	101	2899853	40.08	PPBV #	100
11) ISOPROPYL ALCOHOL	5.453	45	1697334	37.83	PPBV	95
12) ACETONE	5.190	43	1613631	37.04	PPBV #	76
13) PENTANE	5.771	42	846475	42.92	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.072	96	768411	39.77	PPBV #	17
15) CARBON DISULFIDE	6.527	76	1967532	41.80	PPBV	67
16) ETHANOL	4.679	45	350355	30.39	PPBV #	100
17) BROMOETHENE	4.946	106	742966	33.62	PPBV #	100
18) METHYLENE CHLORIDE	6.199	84	639575	26.41	PPBV #	1
19) 3-CHLOROPROPENE	6.326	39	731614	44.28	PPBV #	1
20) FREON 113	6.475	151	1637624	40.67	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.187	96	795508	42.91	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.103	59	1421577	36.25	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.446	73	1827019	42.68	PPBV #	100
24) TETRAHYDROFURAN	8.956	42	1197571	43.49	PPBV #	100
25) HEXANE	8.463	57	1317396	44.71	PPBV #	100
26) VINYL ACETATE	7.540	43	1772507	40.39	PPBV	92
27) 1,1-DICHLOROETHANE	7.396	63	1492170	42.53	PPBV #	100
28) METHYL ETHYL KETONE	7.799	43	2295908	41.48	PPBV	86
29) cis-1,2-DICHLOROETHYLENE	8.255	96	604111	40.12	PPBV #	100
30) ETHYL ACETATE	8.470	43	4066374	47.30	PPBV	100
31) CHLOROFORM	8.559	83	1709975	39.62	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.555	97	1821365	42.32	PPBV	90
33) CARBON TETRACHLORIDE	10.163	117	2114241	45.65	PPBV	93
34) 1,2-DICHLOROETHANE	9.303	62	1455247	42.13	PPBV	100
36) BENZENE	10.018	78	1777208	38.98	PPBV	88
37) CYCLOHEXANE	10.289	84	635655	41.48	PPBV #	31
38) TRICHLOROETHYLENE	11.058	95	1195883	49.88	PPBV	90
39) 1,2-DICHLOROPROPANE	10.825	63	851675	38.76	PPBV #	64
40) BROMODICHLOROMETHANE	11.019	83	1816877	43.71	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	4840021	47.48	PPBV	95
42) 1,4-DIOXANE	11.045	88	400679	43.89	PPBV #	46
43) HEPTANE	11.329	43	1998678	46.88	PPBV #	76

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3390.D
Acq On : 15 May 2007 7:16 pm
Operator : PhilipB
Sample : IC185-40 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 19:45:44 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 19:01:44 2007
Response via : Initial Calibration

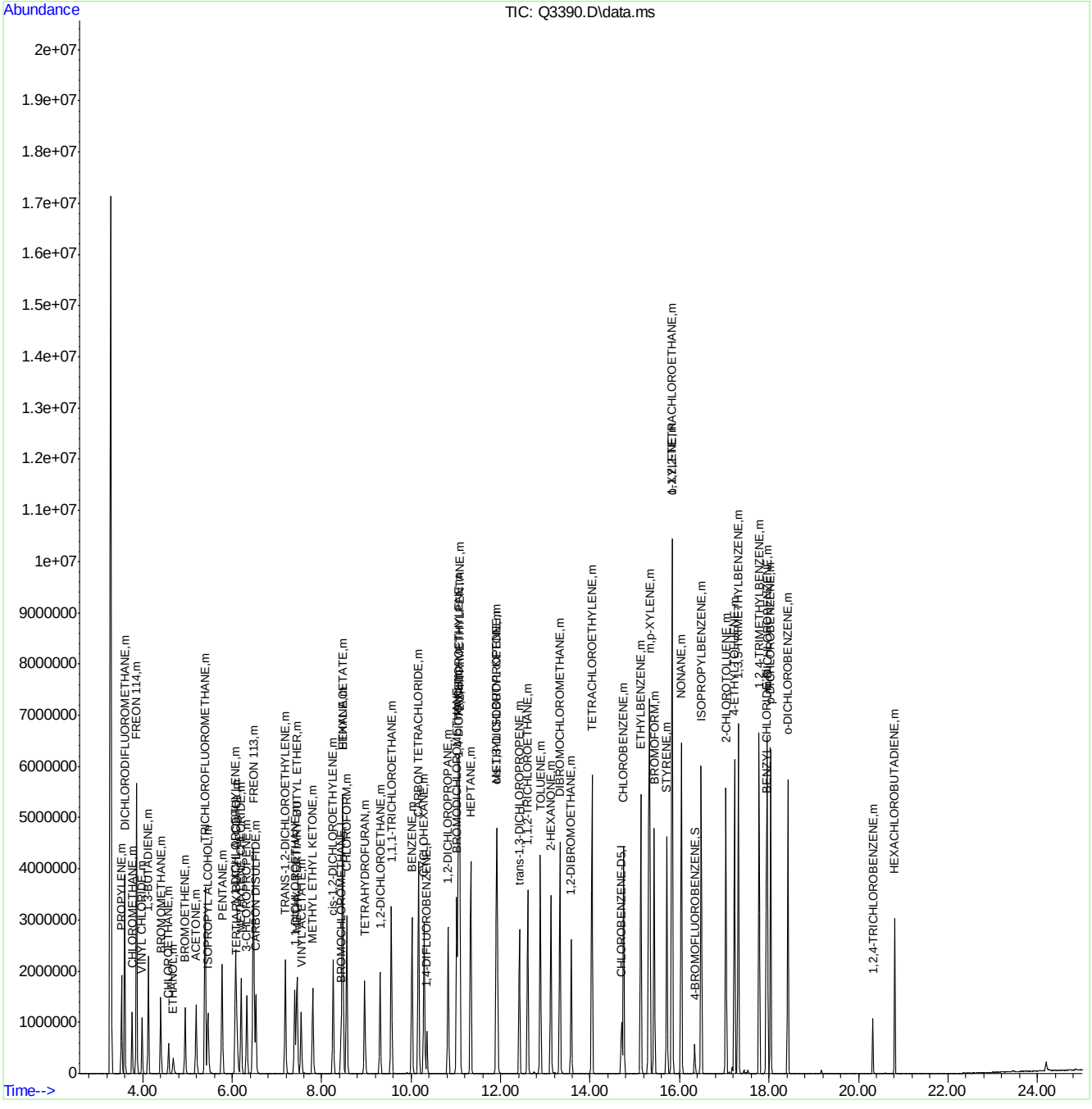
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.922	43	3109213	51.50	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.903	75	1374944	48.12	PPBV	98
46) TOLUENE	12.888	92	1399160	45.88	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.419	75	1198707	48.51	PPBV #	98
48) 1,1,2-TRICHLOROETHANE	12.605	83	787836	42.54	PPBV	94
50) 2-HEXANONE	13.122	43	2687731	44.14	PPBV	96
51) TETRACHLOROETHYLENE	14.039	164	932010	50.66	PPBV	89
52) DIBROMOCHLOROMETHANE	13.324	129	2036484	49.16	PPBV	98
53) 1,2-DIBROMOETHANE	13.578	107	1561798	42.51	PPBV	98
54) CHLOROBENZENE	14.748	112	1889176	41.31	PPBV	95
55) ETHYLBENZENE	15.133	91	3401967	43.21	PPBV	96
56) m,p-XYLENE	15.333	106	2906038	103.35	PPBV	94
57) o-XYLENE	15.834	106	1468856	50.82	PPBV	99
58) STYRENE	15.715	104	1789384	47.30	PPBV	98
59) NONANE	16.041	43	2789513	37.77	PPBV	87
60) BROMOFORM	15.431	173	1871499	55.17	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.828	83	2236401	39.85	PPBV	94
63) ISOPROPYLBENZENE	16.485	105	3699288	43.21	PPBV	96
64) 2-CHLOROTOLUENE	17.037	91	2677198	39.09	PPBV	98
65) 4-ETHYLTOLUENE	17.229	105	3436031	44.31	PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.312	105	3303878	43.52	PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.779	105	3192688	43.27	PPBV	96
68) m-DICHLOROBENZENE	17.962	146	2141667	49.14	PPBV	99
69) BENZYL CHLORIDE	17.939	91	2313797	42.19	PPBV	97
70) p-DICHLOROBENZENE	18.036	146	2013045	50.33	PPBV	98
71) o-DICHLOROBENZENE	18.421	146	1814780	44.00	PPBV	97
72) HEXACHLOROBUTADIENE	20.810	225	347083	17.75	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.320	180	206547	25.38	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3390.D
Acq On : 15 May 2007 7:16 pm
Operator : PhilipB
Sample : IC185-40 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 19:45:44 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 19:01:44 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/16/07 18:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3391.D
Acq On : 15 May 2007 7:56 pm
Operator : PhilipB
Sample : IC185-5 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 08:01:48 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 19:46:25 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.422	128	105565	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.344	114	443500	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	403673	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	179007	5.38	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 107.60%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	3.593	85	417279	5.43	PPBV		83
3) PROPYLENE	3.520	41	155790	6.37	PPBV		82
4) FREON 114	3.857	85	436403	5.83	PPBV	#	100
5) CHLOROMETHANE	3.758	50	198625	6.47	PPBV		95
6) VINYL CHLORIDE	3.980	62	161849	6.22	PPBV		72
7) 1,3-BUTADIENE	4.120	39	163032	6.46	PPBV	#	100
8) BROMOMETHANE	4.401	94	138786	5.89	PPBV	#	100
9) CHLOROETHANE	4.573	64	71282	6.37	PPBV	#	100
10) TRICHLOROFLUOROMETHANE	5.389	101	466165	5.79	PPBV	#	100
11) ISOPROPYL ALCOHOL	5.442	45	292436	5.62	PPBV		93
12) ACETONE	5.189	43	272040	5.44	PPBV	#	73
13) PENTANE	5.764	42	150815	6.57	PPBV	#	100
14) 1,1-DICHLOROETHYLENE	6.069	96	125357	5.81	PPBV	#	15
15) CARBON DISULFIDE	6.521	76	310042	5.89	PPBV		70
16) ETHANOL	4.670	45	61718	4.69	PPBV	#	100
17) BROMOETHENE	4.942	106	138450	5.75	PPBV	#	100
18) METHYLENE CHLORIDE	6.193	84	109888	4.06	PPBV	#	1
19) 3-CHLOROPROPENE	6.323	39	113847	5.97	PPBV	#	1
20) FREON 113	6.468	151	242611	5.46	PPBV	#	100
21) TRANS-1,2-DICHLOROETHY...	7.180	96	117369	5.68	PPBV	#	100
22) TERTIARY BUTYL ALCOHOL	6.092	59	287405	6.37	PPBV	#	100
23) METHYL TERTIARY BUTYL ...	7.444	73	262372	5.48	PPBV	#	100
24) TETRAHYDROFURAN	8.958	42	160525	4.96	PPBV	#	100
25) HEXANE	8.458	57	166505	4.79	PPBV	#	100
26) VINYL ACETATE	7.533	43	251948	5.00	PPBV		90
27) 1,1-DICHLOROETHANE	7.391	63	226846	5.71	PPBV	#	100
28) METHYL ETHYL KETONE	7.794	43	304007	4.69	PPBV		89
29) cis-1,2-DICHLOROETHYLENE	8.246	96	84711	5.01	PPBV	#	100
30) ETHYL ACETATE	8.461	43	500911	4.86	PPBV		100
31) CHLOROFORM	8.554	83	207382	4.25	PPBV	#	100
32) 1,1,1-TRICHLOROETHANE	9.551	97	202725	4.23	PPBV		87
33) CARBON TETRACHLORIDE	10.158	117	231158	4.51	PPBV		93
34) 1,2-DICHLOROETHANE	9.295	62	162310	4.18	PPBV		99
36) BENZENE	10.011	78	261470	5.69	PPBV		91
37) CYCLOHEXANE	10.286	84	76218	4.97	PPBV	#	21
38) TRICHLOROETHYLENE	11.051	95	121441	5.00	PPBV	#	80
39) 1,2-DICHLOROPROPANE	10.820	63	115434	5.21	PPBV	#	60
40) BROMODICHLOROMETHANE	11.010	83	215204	5.21	PPBV		99
41) 2,2,4-TRIMETHYLPENTANE	11.074	57	563020	5.30	PPBV		93
42) 1,4-DIOXANE	11.044	88	41040	4.44	PPBV	#	11
43) HEPTANE	11.326	43	260811	5.86	PPBV	#	72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3391.D
Acq On : 15 May 2007 7:56 pm
Operator : PhilipB
Sample : IC185-5 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 08:01:48 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 19:46:25 2007
Response via : Initial Calibration

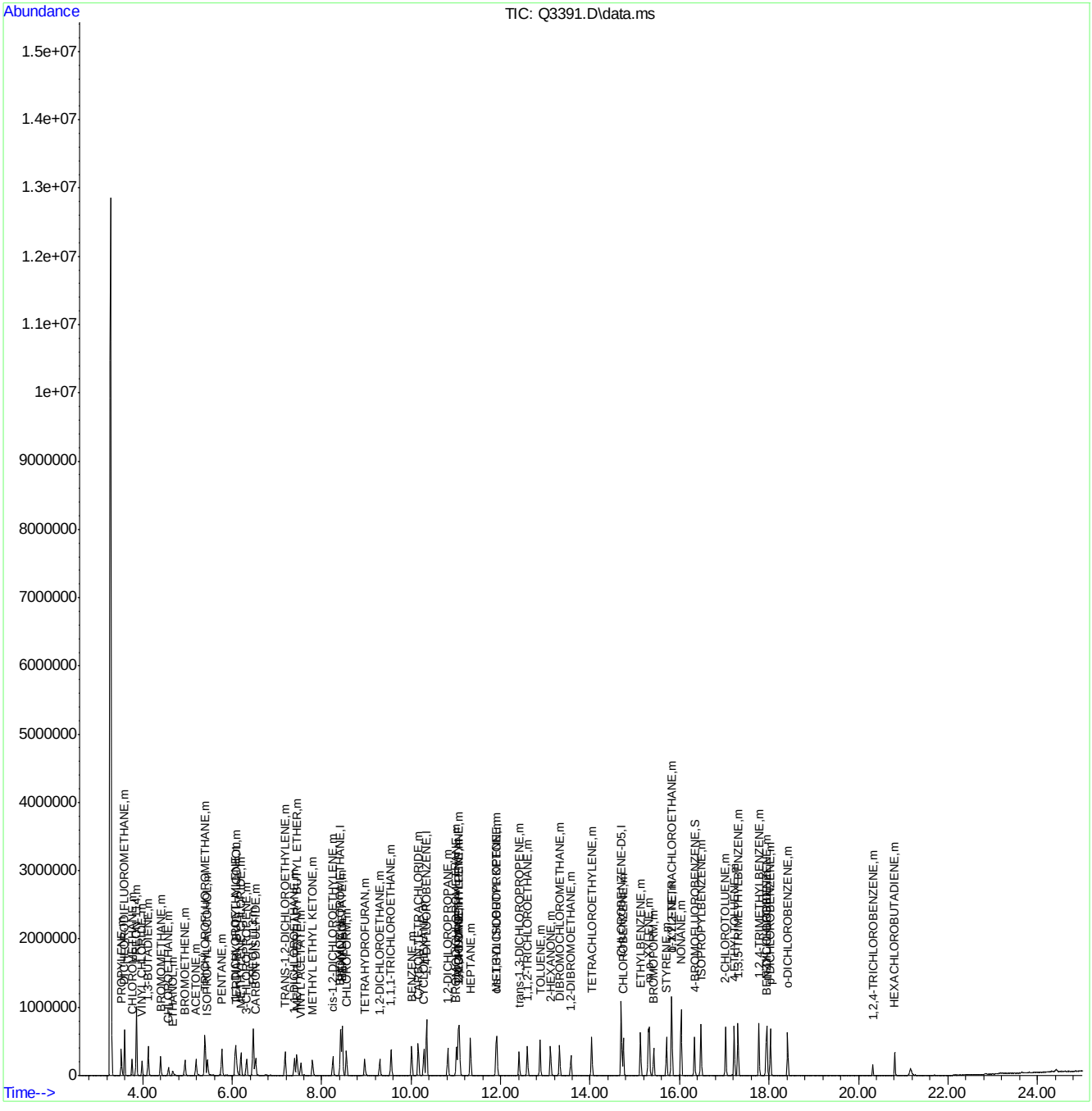
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	382617	5.97	PPBV	89
45) cis-1,3-DICHLOROPROPENE	11.894	75	151890	5.24	PPBV	86
46) TOLUENE	12.880	92	153998	5.05	PPBV	94
47) trans-1,3-DICHLOROPROPENE	12.410	75	132398	5.38	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.600	83	95703	5.13	PPBV	90
50) 2-HEXANONE	13.113	43	326285	5.36	PPBV	92
51) TETRACHLOROETHYLENE	14.036	164	73763	4.31	PPBV #	80
52) DIBROMOCHLOROMETHANE	13.317	129	181085	4.62	PPBV	99
53) 1,2-DIBROMOETHANE	13.571	107	168313	4.84	PPBV	96
54) CHLOROBENZENE	14.739	112	202194	4.70	PPBV	85
55) ETHYLBENZENE	15.126	91	374139	4.99	PPBV	93
56) m,p-XYLENE	15.323	106	266549m	9.78	PPBV	
57) o-XYLENE	15.828	106	141013	5.06	PPBV #	88
58) STYRENE	15.708	104	192335	5.40	PPBV	99
59) NONANE	16.031	43	450068	6.23	PPBV	80
60) BROMOFORM	15.424	173	136689	4.30	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.819	83	270949	4.98	PPBV	95
63) ISOPROPYLBENZENE	16.476	105	418825	5.21	PPBV	96
64) 2-CHLOROTOLUENE	17.032	91	327887	5.12	PPBV	92
65) 4-ETHYLTOLUENE	17.222	105	372931	5.13	PPBV	93
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	344155	4.81	PPBV	95
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	331358	4.79	PPBV	93
68) m-DICHLOROBENZENE	17.954	146	189003	4.62	PPBV	95
69) BENZYL CHLORIDE	17.933	91	246683	4.82	PPBV	92
70) p-DICHLOROBENZENE	18.031	146	176842	4.74	PPBV	95
71) o-DICHLOROBENZENE	18.416	146	163377	4.20	PPBV	93
72) HEXACHLOROBUTADIENE	20.808	225	31923	1.68	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.319	180	26854	3.44	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3391.D
Acq On : 15 May 2007 7:56 pm
Operator : PhilipB
Sample : IC185-5 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

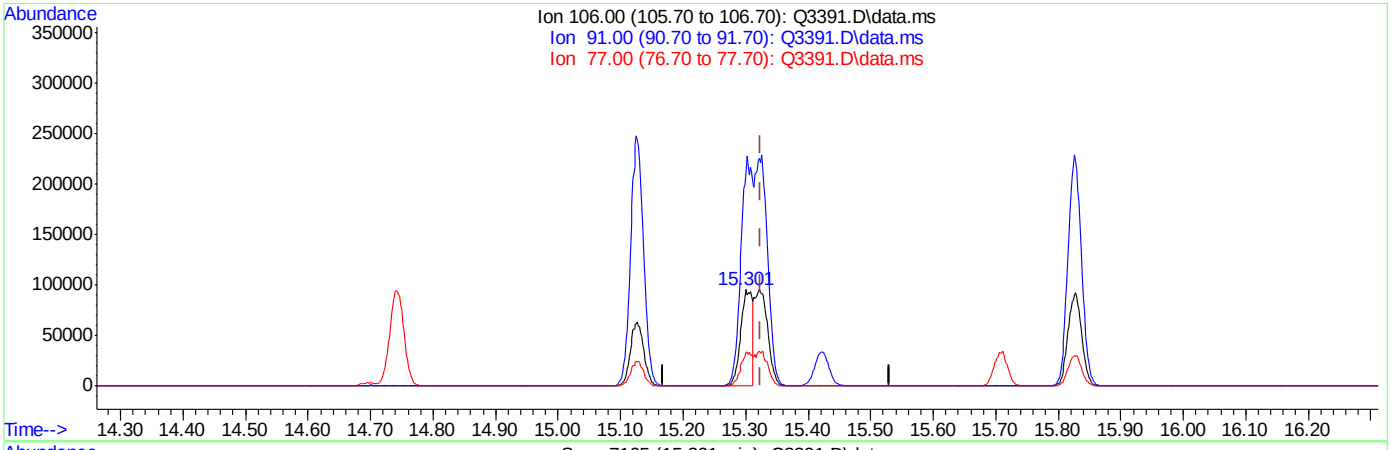
Quant Time: May 16 08:01:48 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 19:46:25 2007
Response via : Initial Calibration

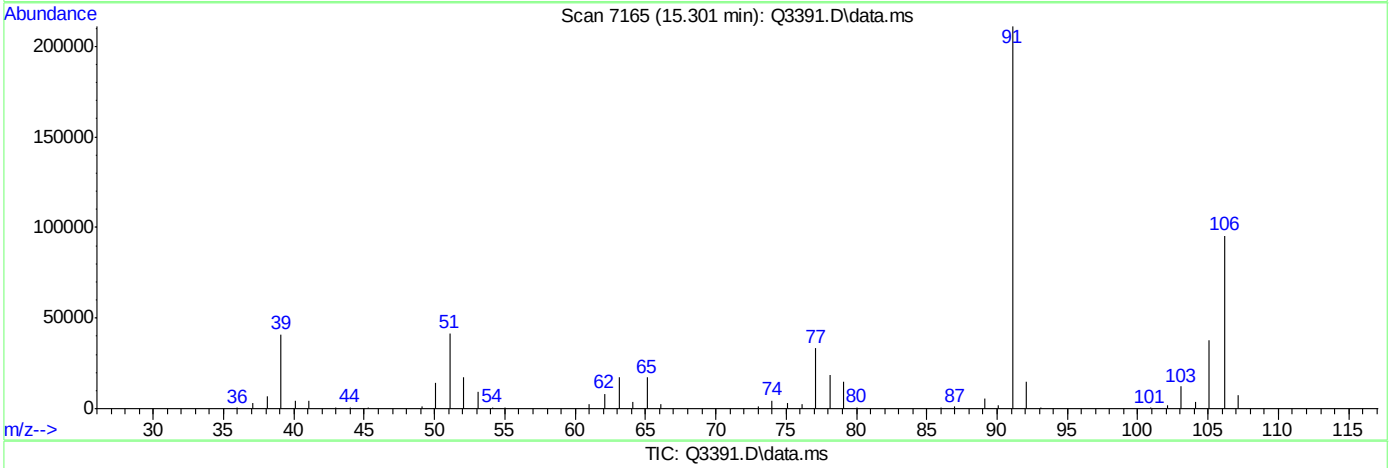


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3391.D
Acq On : 15 May 2007 7:56 pm
Operator : PhilipB
Sample : IC185-5 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 08:01:05 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 19:46:25 2007
Response via : Initial Calibration





TIC: Q3391.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.023) 4.62PPBV

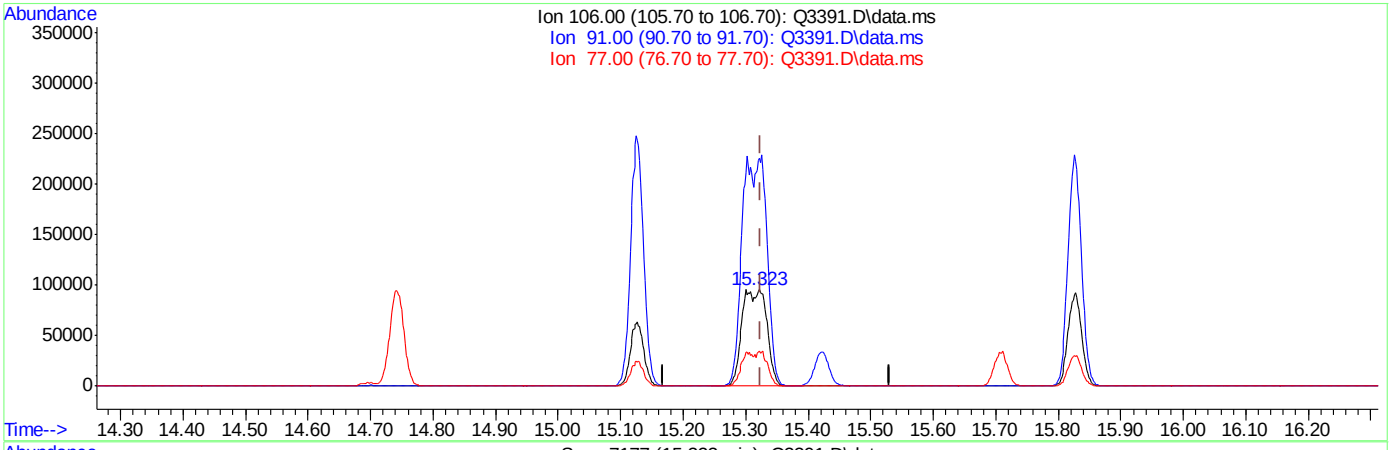
response 125770

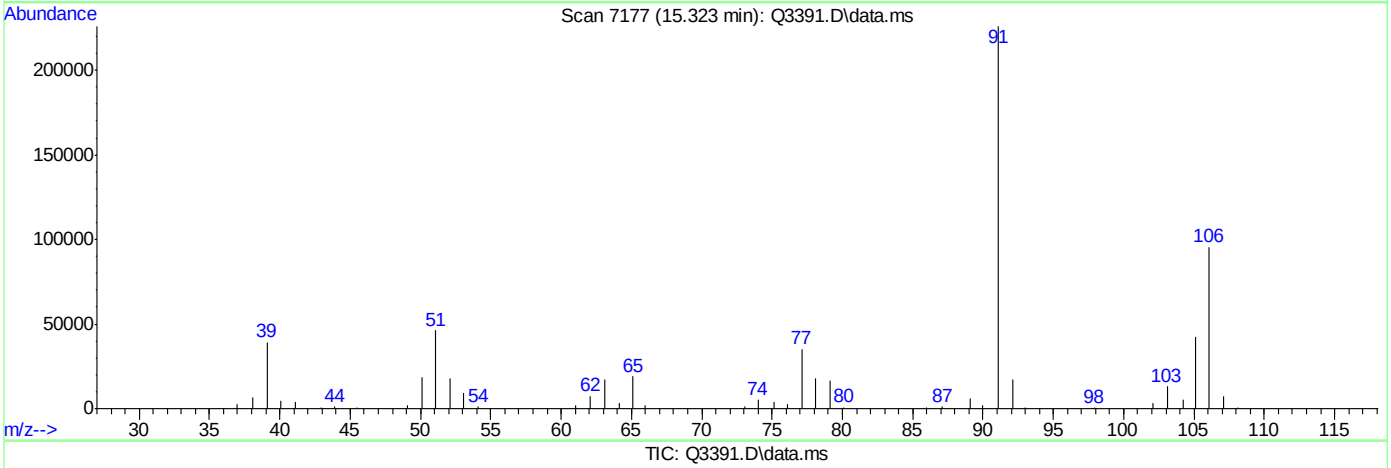
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	221.07
77.00	30.60	35.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3391.D
Acq On : 15 May 2007 7:56 pm
Operator : PhilipB
Sample : IC185-5 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 08:01:05 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 15 19:46:25 2007
Response via : Initial Calibration





TIC: Q3391.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.002) 9.78PPBV m

response 266549

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	236.56
77.00	30.60	36.96#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/16/07 18:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3392.D
Acq On : 16 May 2007 8:18 am
Operator : PhilipB
Sample : IC185-20 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 09:04:27 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 08:02:06 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.415	128	107237	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.341	114	441646	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	414256	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	201265	5.83	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 116.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.577	85	1436332	18.18	PPBV	82
3) PROPYLENE	3.506	41	554925	21.48	PPBV	85
4) FREON 114	3.841	85	1535185	19.73	PPBV #	100
5) CHLOROMETHANE	3.744	50	688131	21.17	PPBV	95
6) VINYL CHLORIDE	3.966	62	557047	20.35	PPBV	72
7) 1,3-BUTADIENE	4.102	39	603210	22.60	PPBV #	100
8) BROMOMETHANE	4.383	94	452752	18.45	PPBV #	100
9) CHLOROETHANE	4.559	64	232822	19.71	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.373	101	1547915	18.52	PPBV #	100
11) ISOPROPYL ALCOHOL	5.430	45	1082659	20.13	PPBV	93
12) ACETONE	5.171	43	1033440	20.08	PPBV #	75
13) PENTANE	5.753	42	569841	23.37	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.056	96	420238	18.75	PPBV #	12
15) CARBON DISULFIDE	6.509	76	1082467	19.73	PPBV	66
16) ETHANOL	4.656	45	229546	17.32	PPBV #	100
17) BROMOETHENE	4.926	106	440424	17.64	PPBV #	100
18) METHYLENE CHLORIDE	6.181	84	366419	13.68	PPBV #	1
19) 3-CHLOROPROPENE	6.308	39	424642	21.34	PPBV #	1
20) FREON 113	6.454	151	818554	17.89	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.169	96	419748	19.61	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.079	59	1021563	21.44	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.432	73	947845	19.21	PPBV #	100
24) TETRAHYDROFURAN	8.948	42	605403	18.45	PPBV #	100
25) HEXANE	8.449	57	607423	17.31	PPBV #	100
26) VINYL ACETATE	7.526	43	965174	18.85	PPBV	90
27) 1,1-DICHLOROETHANE	7.382	63	800129	19.43	PPBV #	100
28) METHYL ETHYL KETONE	7.781	43	1111760	17.04	PPBV	89
29) cis-1,2-DICHLOROETHYLENE	8.241	96	324636	18.90	PPBV #	100
30) ETHYL ACETATE	8.456	43	1883905	18.06	PPBV	100
31) CHLOROFORM	8.546	83	779451	16.06	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.546	97	764952	16.08	PPBV #	87
33) CARBON TETRACHLORIDE	10.154	117	853635	16.62	PPBV	93
34) 1,2-DICHLOROETHANE	9.292	62	611675	15.89	PPBV	100
36) BENZENE	10.009	78	834834	17.90	PPBV	87
37) CYCLOHEXANE	10.280	84	292236	19.14	PPBV #	25
38) TRICHLOROETHYLENE	11.049	95	486909	20.14	PPBV #	81
39) 1,2-DICHLOROPROPANE	10.818	63	429562	19.37	PPBV #	59
40) BROMODICHLOROMETHANE	11.008	83	815748	19.73	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.072	57	2191893	20.54	PPBV #	91
42) 1,4-DIOXANE	11.036	88	168360	18.58	PPBV #	31
43) HEPTANE	11.322	43	995216	21.91	PPBV #	72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3392.D
Acq On : 16 May 2007 8:18 am
Operator : PhilipB
Sample : IC185-20 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 09:04:27 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 08:02:06 2007
Response via : Initial Calibration

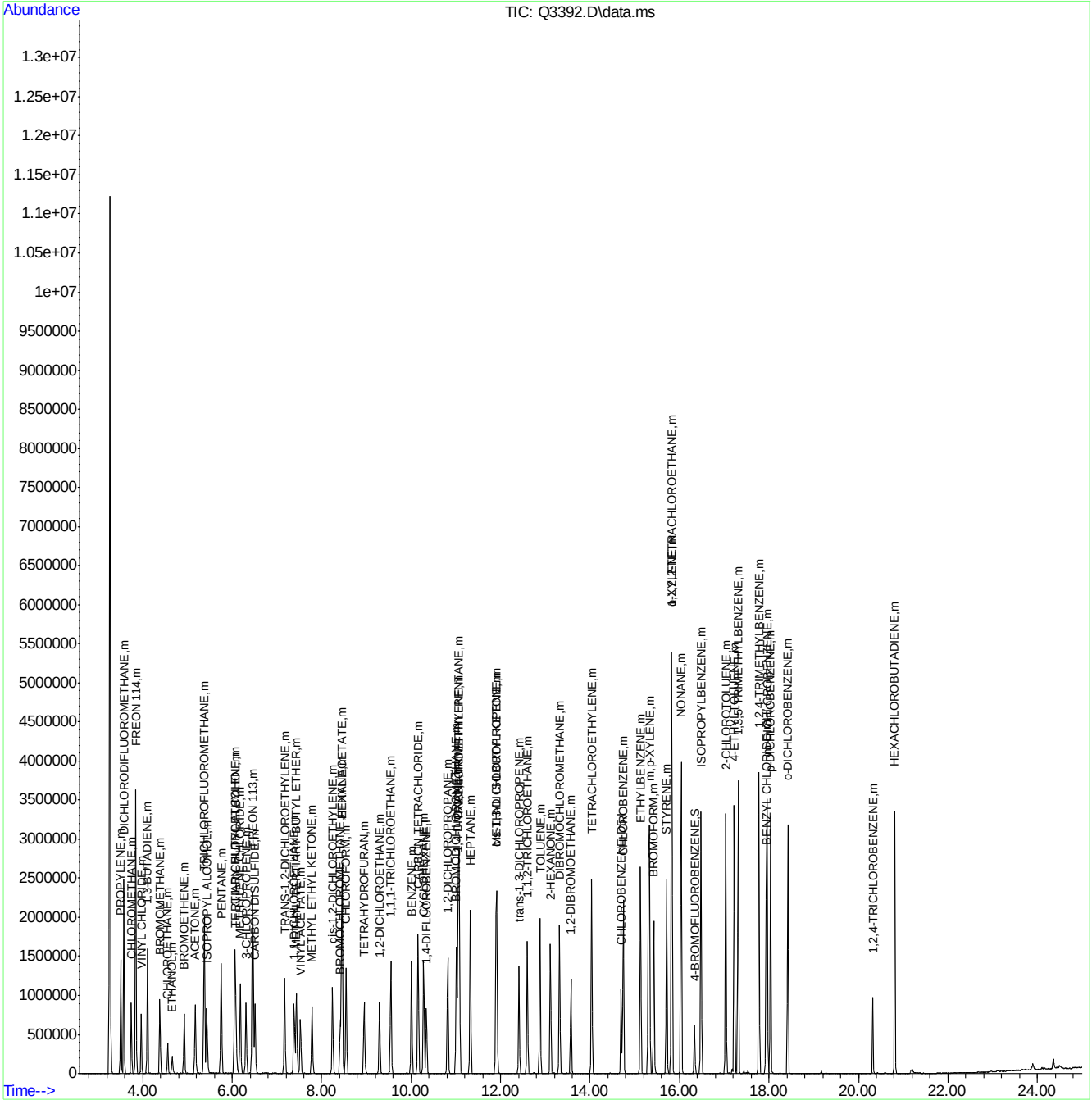
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.913	43	1477731	22.54 PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.895	75	607507	20.92 PPBV	89
46) TOLUENE	12.879	92	620502	20.39 PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.410	75	523645	21.13 PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.596	83	365223	19.57 PPBV	90
50) 2-HEXANONE	13.113	43	1268031	20.08 PPBV	93
51) TETRACHLOROETHYLENE	14.038	164	324222	18.83 PPBV #	79
52) DIBROMOCHLOROMETHANE	13.317	129	773932	19.46 PPBV	98
53) 1,2-DIBROMOETHANE	13.571	107	680083	19.14 PPBV	98
54) CHLOROBENZENE	14.742	112	822359	18.79 PPBV	88
55) ETHYLBENZENE	15.129	91	1568065	20.39 PPBV	94
56) m,p-XYLENE	15.326	106	1189897m	42.69 PPBV	
57) o-XYLENE	15.828	106	664109	23.18 PPBV	91
58) STYRENE	15.711	104	864188	23.38 PPBV	97
59) NONANE	16.034	43	1804990	23.53 PPBV	82
60) BROMOFORM	15.425	173	660503	20.65 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.821	83	1260074	22.59 PPBV	94
63) ISOPROPYLBENZENE	16.481	105	1867896	22.51 PPBV	96
64) 2-CHLOROTOLUENE	17.032	91	1484704	22.53 PPBV	92
65) 4-ETHYLTOLUENE	17.221	105	1725524	23.04 PPBV	93
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	1634007	22.38 PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	1621845	22.97 PPBV	94
68) m-DICHLOROBENZENE	17.958	146	917319	22.07 PPBV	95
69) BENZYL CHLORIDE	17.935	91	1206235	23.08 PPBV	93
70) p-DICHLOROBENZENE	18.033	146	851228	22.38 PPBV	94
71) o-DICHLOROBENZENE	18.419	146	819782	21.00 PPBV	93
72) HEXACHLOROBUTADIENE	20.812	225	279622	15.82 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.320	180	159074	20.81 PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3392.D
Acq On : 16 May 2007 8:18 am
Operator : PhilipB
Sample : IC185-20 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 09:04:27 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 08:02:06 2007
Response via : Initial Calibration

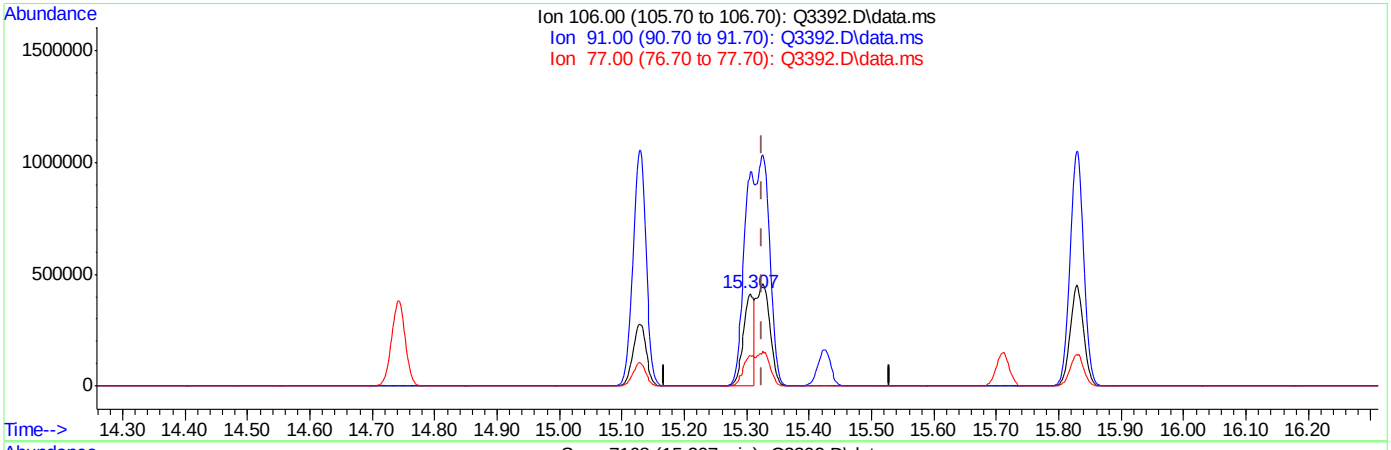


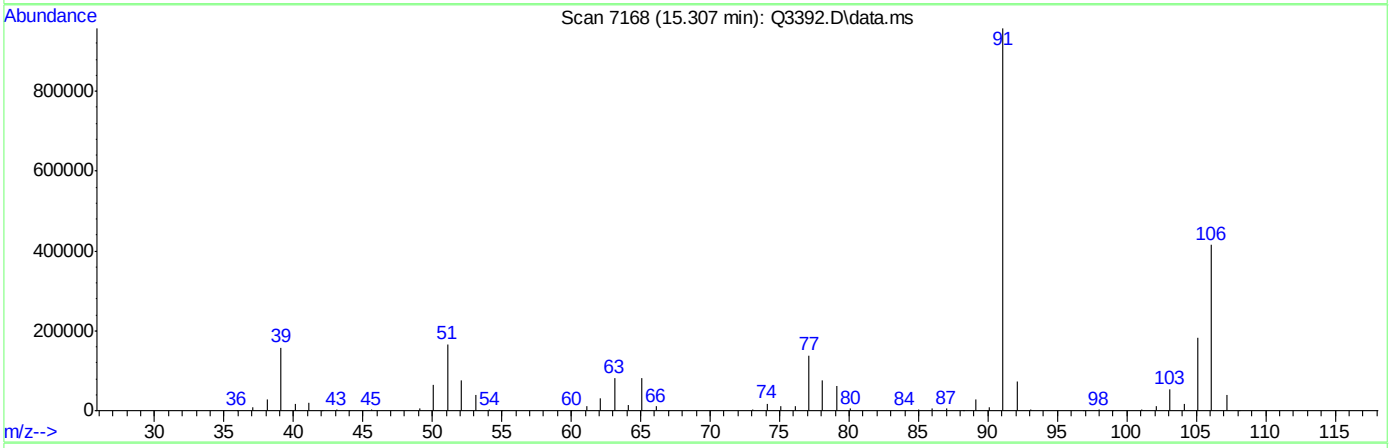
ACCUTEST Laboratories M65248R

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3392.D
Acq On : 16 May 2007 8:18 am
Operator : PhilipB
Sample : IC185-20 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 09:03:55 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 08:02:06 2007
Response via : Initial Calibration





TIC: Q3392.D\data.ms

(56) m,p-XYLENE (m)

15.307min (-0.018) 17.51PPBV

response 488119

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	231.04
77.00	30.60	33.24
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3392.D
Acq On    : 16 May 2007   8:18 am
Operator  : PhilipB
Sample    : IC185-20 (M060)
Misc      : MS13535,MSQ185,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 16 09:03:55 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 08:02:06 2007
Response via : Initial Calibration
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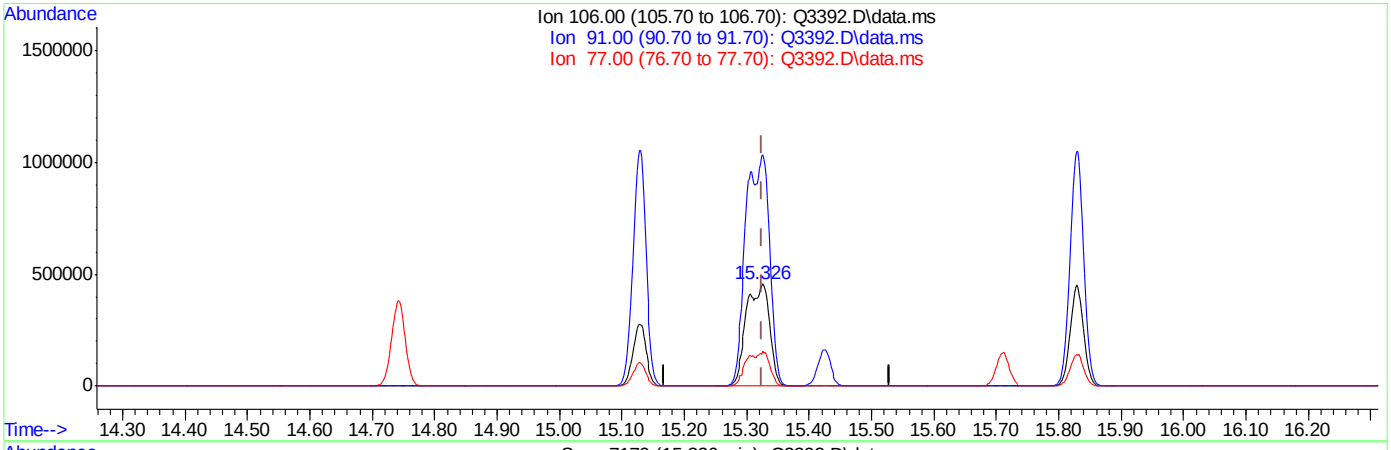
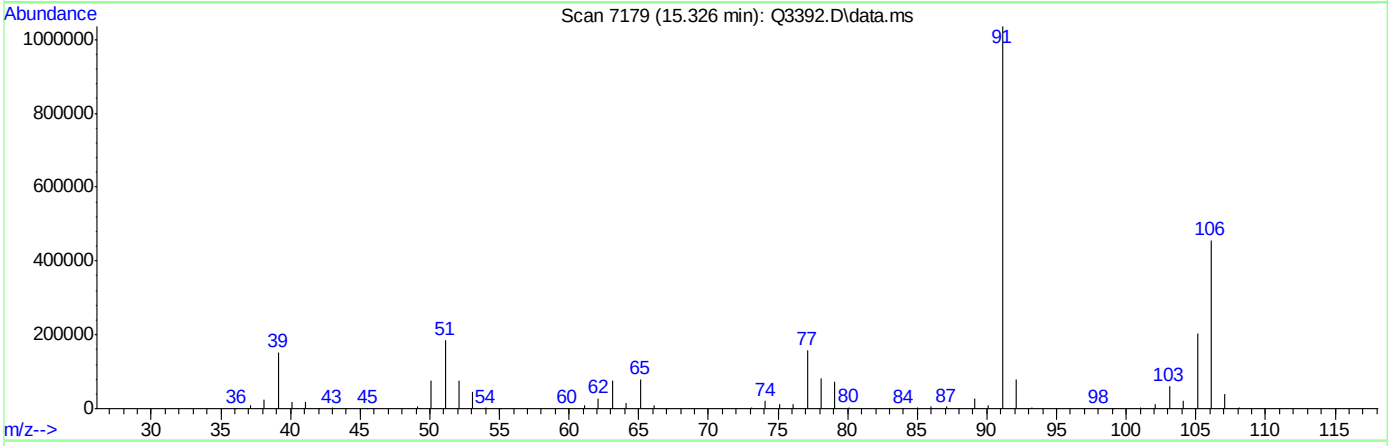




TIC: Q3392.D\data.ms

(56) m,p-XYLENE (m)

15.326min (+0.002) 42.69PPBV m

response 1189897

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	226.90
77.00	30.60	34.71
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/16/07 18:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3393.D
Acq On : 16 May 2007 9:18 am
Operator : PhilipB
Sample : ICC185-10 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 09:49:12 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 09:04:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.419	128	94874	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.344	114	466297	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	426455	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.332	95	189371	5.18	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 103.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.589	85	810762	11.48	PPBV	84
3) PROPYLENE	3.517	41	295176	12.23	PPBV	82
4) FREON 114	3.854	85	851548	12.07	PPBV #	100
5) CHLOROMETHANE	3.754	50	377109	12.48	PPBV	91
6) VINYL CHLORIDE	3.980	62	310528	12.37	PPBV	72
7) 1,3-BUTADIENE	4.117	39	301574	11.94	PPBV #	100
8) BROMOMETHANE	4.395	94	269986	12.25	PPBV #	100
9) CHLOROETHANE	4.573	64	135348	12.52	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.387	101	889181	11.83	PPBV #	100
11) ISOPROPYL ALCOHOL	5.437	45	515822	10.18	PPBV	93
12) ACETONE	5.185	43	492004	10.16	PPBV #	72
13) PENTANE	5.767	42	257521	11.06	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.063	96	240485	11.94	PPBV #	21
15) CARBON DISULFIDE	6.520	76	578247	11.67	PPBV	69
16) ETHANOL	4.667	45	113669	9.16	PPBV #	100
17) BROMOETHENE	4.940	106	273712	12.33	PPBV #	100
18) METHYLENE CHLORIDE	6.189	84	210836	8.76	PPBV #	1
19) 3-CHLOROPROPENE	6.317	39	199362	10.78	PPBV #	1
20) FREON 113	6.468	151	469643	11.58	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.178	96	223719	11.65	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.085	59	514243	11.72	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.441	73	498601	11.27	PPBV #	100
24) TETRAHYDROFURAN	8.956	42	269767	9.24	PPBV #	100
25) HEXANE	8.458	57	261436	8.39	PPBV #	100
26) VINYL ACETATE	7.533	43	464736	9.91	PPBV	90
27) 1,1-DICHLOROETHANE	7.389	63	423017	11.31	PPBV #	100
28) METHYL ETHYL KETONE	7.790	43	549427	9.42	PPBV	84
29) cis-1,2-DICHLOROETHYLENE	8.248	96	127948	8.57	PPBV #	100
30) ETHYL ACETATE	8.461	43	853115	9.07	PPBV	100
31) CHLOROFORM	8.552	83	383965	9.11	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.547	97	415453	10.20	PPBV	88
33) CARBON TETRACHLORIDE	10.160	117	463105	10.53	PPBV	94
34) 1,2-DICHLOROETHANE	9.295	62	346170	10.44	PPBV	100
36) BENZENE	10.011	78	387202	8.04	PPBV	88
37) CYCLOHEXANE	10.284	84	137637	8.81	PPBV #	30
38) TRICHLOROETHYLENE	11.047	95	224384	8.95	PPBV #	84
39) 1,2-DICHLOROPROPANE	10.818	63	194273	8.43	PPBV #	64
40) BROMODICHLOROMETHANE	11.010	83	403441	9.41	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.072	57	949564	8.46	PPBV #	93
42) 1,4-DIOXANE	11.042	88	74114	7.92	PPBV #	24
43) HEPTANE	11.324	43	434760	9.02	PPBV #	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3393.D
Acq On : 16 May 2007 9:18 am
Operator : PhilipB
Sample : ICC185-10 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 09:49:12 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 09:04:38 2007
Response via : Initial Calibration

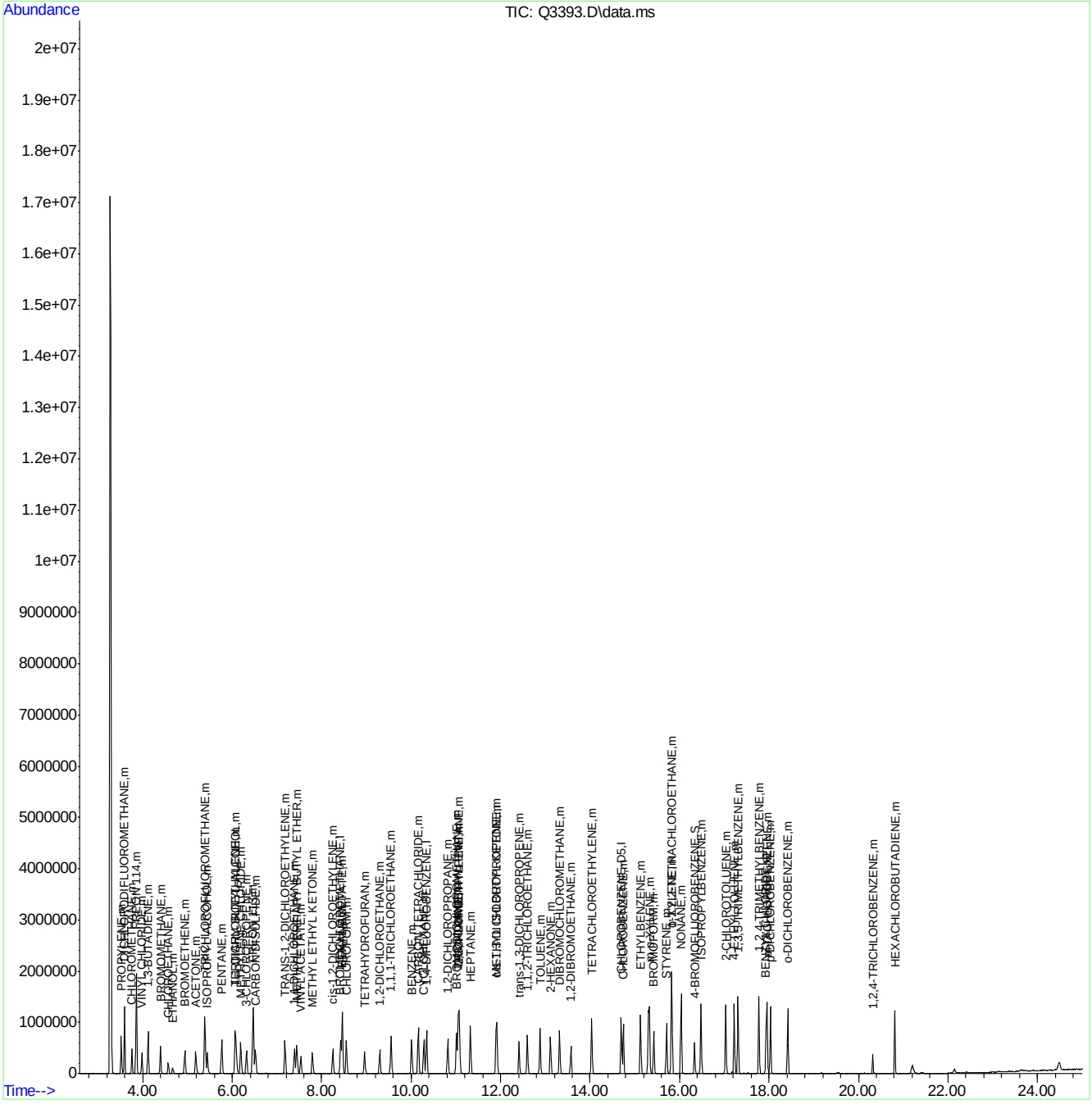
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.915	43	635523	9.08	PPBV		90
45) cis-1,3-DICHLOROPROPENE	11.897	75	276127	9.18	PPBV		89
46) TOLUENE	12.882	92	273951	8.74	PPBV		96
47) trans-1,3-DICHLOROPROPENE	12.412	75	246606	9.68	PPBV	#	98
48) 1,1,2-TRICHLOROETHANE	12.598	83	158102	8.18	PPBV		93
50) 2-HEXANONE	13.113	43	551226	8.55	PPBV		93
51) TETRACHLOROETHYLENE	14.036	164	150861	8.94	PPBV	#	79
52) DIBROMOCHLOROMETHANE	13.317	129	365759	9.24	PPBV		98
53) 1,2-DIBROMOETHANE	13.569	107	304381	8.62	PPBV		98
54) CHLOROBENZENE	14.740	112	368849	8.49	PPBV		88
55) ETHYLBENZENE	15.125	91	686149	8.91	PPBV		94
56) m,p-XYLENE	15.326	106	483204m	17.14	PPBV		
57) o-XYLENE	15.826	106	244755	8.34	PPBV	#	85
58) STYRENE	15.709	104	338883	9.10	PPBV		97
59) NONANE	16.034	43	678108	8.47	PPBV		81
60) BROMOFORM	15.422	173	291988	9.14	PPBV		99
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	428343	7.39	PPBV		94
63) ISOPROPYLBENZENE	16.478	105	748277	8.81	PPBV		94
64) 2-CHLOROTOLUENE	17.032	91	606816	9.01	PPBV		90
65) 4-ETHYLTOLUENE	17.223	105	679850	8.88	PPBV		92
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	652817	8.71	PPBV		92
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	667337	9.22	PPBV		92
68) m-DICHLOROBENZENE	17.956	146	376926	8.93	PPBV		95
69) BENZYL CHLORIDE	17.935	91	495882	9.39	PPBV		92
70) p-DICHLOROBENZENE	18.031	146	363394	9.46	PPBV		95
71) o-DICHLOROBENZENE	18.418	146	351443	8.83	PPBV		94
72) HEXACHLOROBUTADIENE	20.812	225	109280	5.97	PPBV		96
73) 1,2,4-TRICHLOROBENZENE	20.320	180	58694	7.40	PPBV		93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3393.D
Acq On : 16 May 2007 9:18 am
Operator : PhilipB
Sample : ICC185-10 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

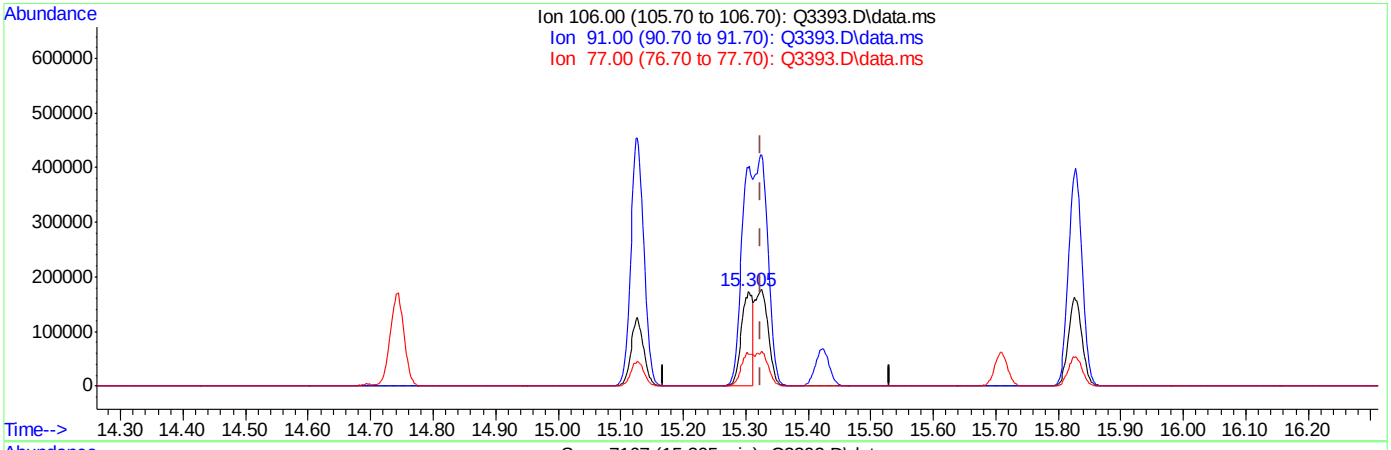
Quant Time: May 16 09:49:12 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 09:04:38 2007
Response via : Initial Calibration

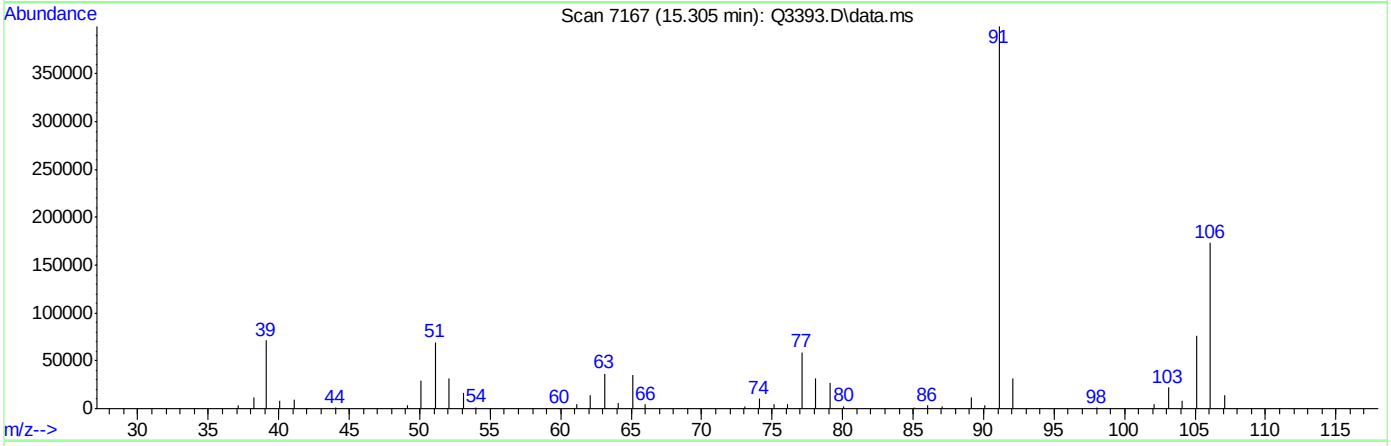


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3393.D
Acq On : 16 May 2007 9:18 am
Operator : PhilipB
Sample : ICC185-10 (M060)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 09:48:43 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 09:04:38 2007
Response via : Initial Calibration





TIC: Q3393.D\data.ms

(56) m,p-XYLENE (m)

15.305min (-0.020) 7.78PPBV

response 219256

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	230.78
77.00	30.60	33.97
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3393.D
Acq On    : 16 May 2007   9:18 am
Operator  : PhilipB
Sample    : ICC185-10 (M060)
Misc      : MS13535,MSQ185,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 16 09:48:43 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 09:04:38 2007
Response via : Initial Calibration
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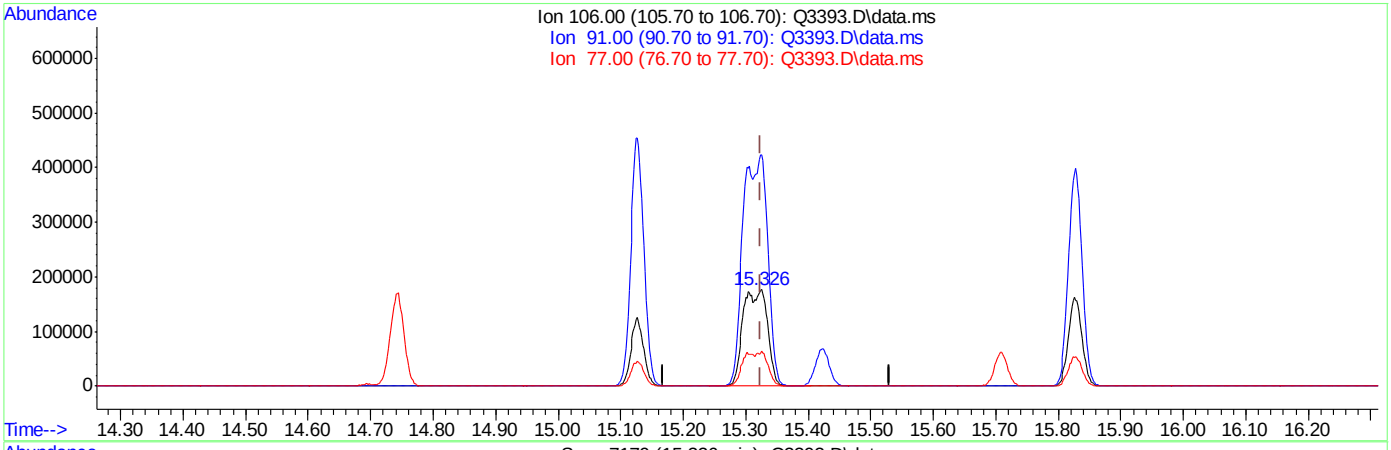
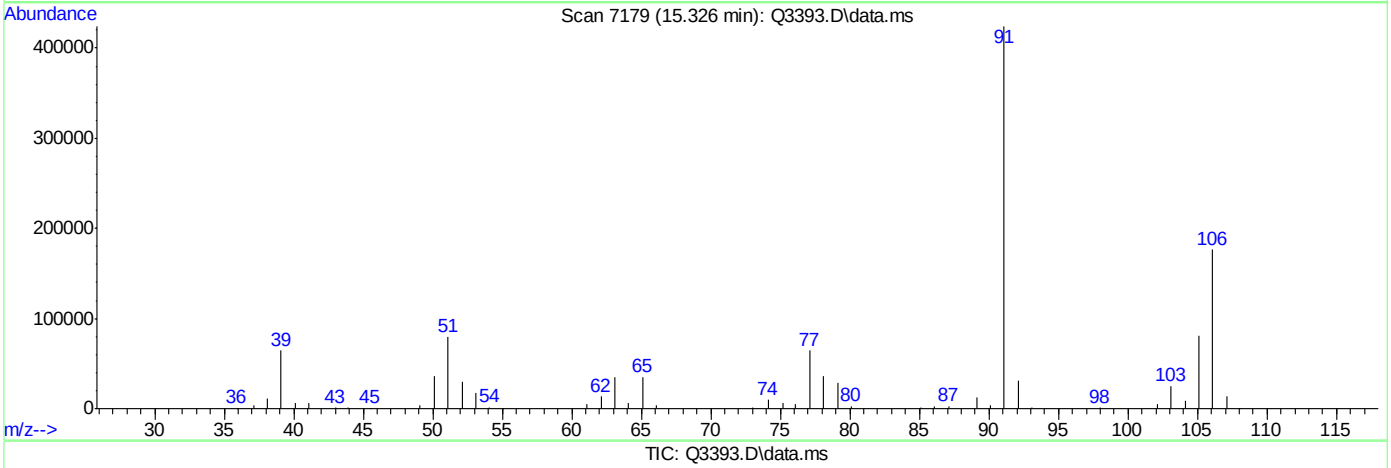




TIC: Q3393.D\data.ms

(56) m,p-XYLENE (m)

15.326min (+0.002) 17.14PPBV m

response 483204

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	240.28
77.00	30.60	36.64
0.00	0.00	0.00

Q3394.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 05/16/07 18:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3394.D
Acq On : 16 May 2007 10:02 am
Operator : PhilipB
Sample : IC185-.5 (M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 16 11:07:11 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:05:58 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.420	128	123785	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.342	114	544363	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	433498	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	163800	4.40	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 88.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.589	85	78573	0.76	PPBV	84
3) PROPYLENE	3.520	41	28499	0.78	PPBV	85
4) FREON 114	3.854	85	79580	0.76	PPBV #	100
5) CHLOROMETHANE	3.755	50	37047	0.80	PPBV	98
6) VINYL CHLORIDE	3.980	62	30148	0.79	PPBV #	71
7) 1,3-BUTADIENE	4.117	39	29128	0.75	PPBV #	100
8) BROMOMETHANE	4.397	94	27211	0.82	PPBV #	100
9) CHLOROETHANE	4.571	64	12491	0.77	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.389	101	86489	0.76	PPBV #	100
11) ISOPROPYL ALCOHOL	5.446	45	46246	0.64	PPBV	92
12) ACETONE	5.194	43	47163	0.67	PPBV #	72
13) PENTANE	5.765	42	24090	0.68	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.064	96	23806	0.78	PPBV #	24
15) CARBON DISULFIDE	6.516	76	51486	0.70	PPBV #	52
16) ETHANOL	4.672	45	11525	0.67	PPBV #	100
17) BROMOETHENE	4.940	106	27247	0.81	PPBV #	100
18) METHYLENE CHLORIDE	6.188	84	29496	0.86	PPBV #	1
19) 3-CHLOROPROPENE	6.319	39	25770	0.87	PPBV #	1
20) FREON 113	6.466	151	22479	0.42	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.176	96	12510	0.48	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.101	59	44173	0.68	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.444	73	30802	0.51	PPBV #	100
24) TETRAHYDROFURAN	8.963	42	16878	0.45	PPBV #	100
25) HEXANE	8.456	57	22534	0.55	PPBV #	100
26) VINYL ACETATE	7.531	43	36992	0.55	PPBV	86
27) 1,1-DICHLOROETHANE	7.389	63	29542	0.56	PPBV #	100
28) METHYL ETHYL KETONE	7.797	43	33134	0.45	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.248	96	12916	0.65	PPBV #	100
30) ETHYL ACETATE	8.461	43	55799	0.46	PPBV #	100
31) CHLOROFORM	8.545	83	34589	0.62	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.547	97	37708	0.67	PPBV	92
33) CARBON TETRACHLORIDE	10.158	117	40563	0.65	PPBV	96
34) 1,2-DICHLOROETHANE	9.292	62	27690	0.61	PPBV	98
36) BENZENE	10.007	78	33514	0.59	PPBV	90
37) CYCLOHEXANE	10.286	84	12568	0.66	PPBV #	50
38) TRICHLOROETHYLENE	11.049	95	19884	0.64	PPBV	92
39) 1,2-DICHLOROPROPANE	10.818	63	15239	0.57	PPBV #	66
40) BROMODICHLOROMETHANE	11.008	83	32272	0.61	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.074	57	71387	0.54	PPBV	93
42) 1,4-DIOXANE	11.044	88	4899	0.48	PPBV #	37
43) HEPTANE	11.324	43	27629	0.49	PPBV #	81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3394.D
Acq On : 16 May 2007 10:02 am
Operator : PhilipB
Sample : IC185-.5 (M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 16 11:07:11 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:05:58 2007
Response via : Initial Calibration

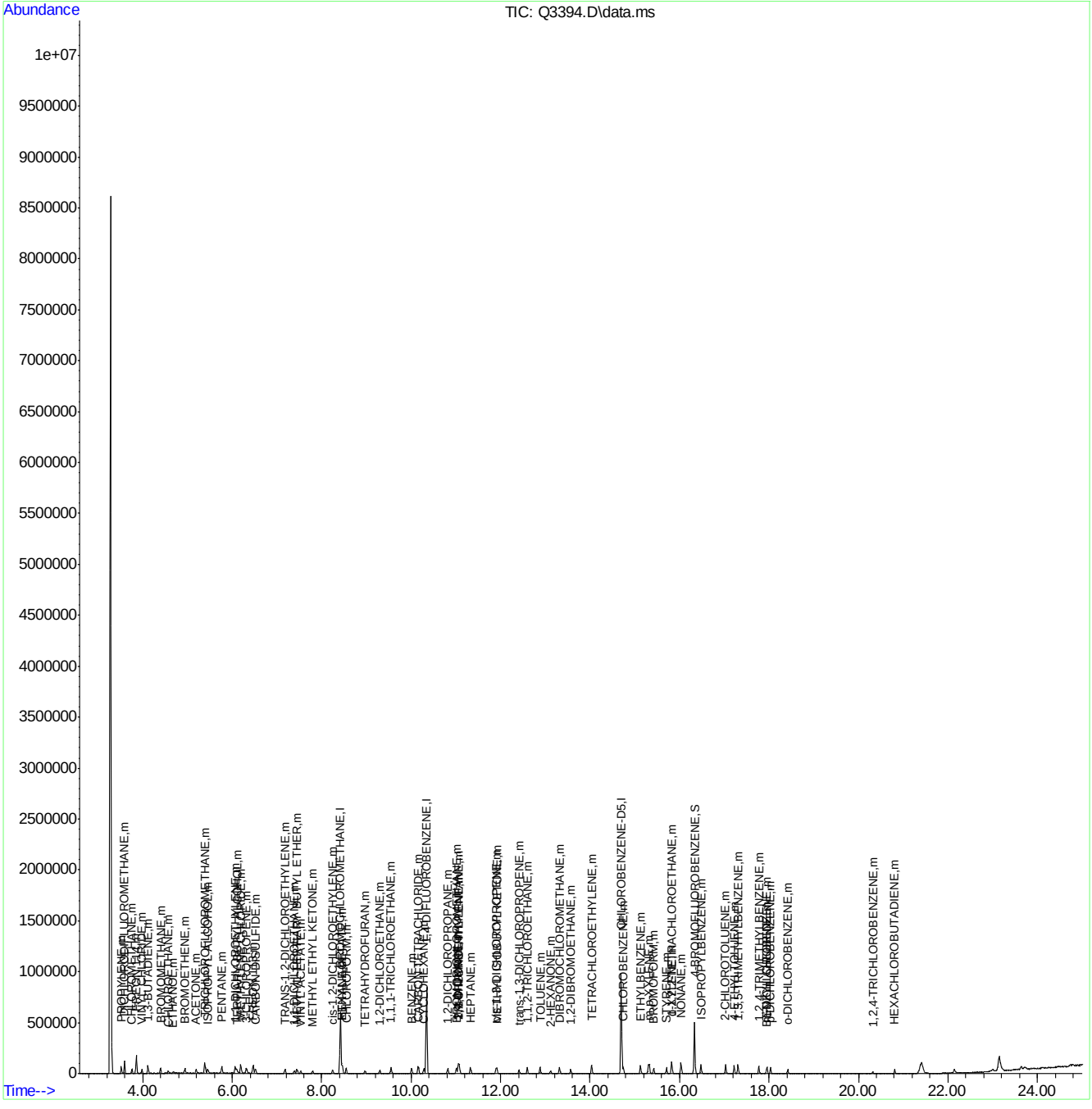
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.919	43	35804	0.44	PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.897	75	19250	0.54	PPBV	98
46) TOLUENE	12.880	92	22201	0.59	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.410	75	17329	0.56	PPBV #	98
48) 1,1,2-TRICHLOROETHANE	12.593	83	13014	0.57	PPBV	95
50) 2-HEXANONE	13.118	43	22462	0.37	PPBV	96
51) TETRACHLOROETHYLENE	14.036	164	13758	0.74	PPBV #	82
52) DIBROMOCHLOROMETHANE	13.315	129	29372	0.68	PPBV	99
53) 1,2-DIBROMOETHANE	13.571	107	25121	0.67	PPBV	97
54) CHLOROBENZENE	14.739	112	30957	0.67	PPBV	91
55) ETHYLBENZENE	15.127	91	48960	0.61	PPBV	96
56) m,p-XYLENE	15.324	106	36245m	1.22	PPBV	
57) o-XYLENE	15.827	106	17791	0.58	PPBV	94
58) STYRENE	15.709	104	20201	0.53	PPBV	99
59) NONANE	16.032	43	42603	0.52	PPBV	83
60) BROMOFORM	15.420	173	20773	0.61	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.814	83	21395	0.39	PPBV	95
63) ISOPROPYLBENZENE	16.480	105	53504	0.60	PPBV	96
64) 2-CHLOROTOLUENE	17.030	91	40444	0.58	PPBV	91
65) 4-ETHYLTOLUENE	17.222	105	41925	0.54	PPBV	93
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	40933	0.54	PPBV	93
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	33827	0.47	PPBV	91
68) m-DICHLOROBENZENE	17.956	146	18721	0.45	PPBV	95
69) BENZYL CHLORIDE	17.930	91	12857	0.26	PPBV	91
70) p-DICHLOROBENZENE	18.031	146	17439	0.45	PPBV	94
71) o-DICHLOROBENZENE	18.418	146	13059	0.35	PPBV	92
72) HEXACHLOROBUTADIENE	20.810	225	4318	0.30	PPBV	96
73) 1,2,4-TRICHLOROBENZENE	20.320	180	3928	0.52	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3394.D
Acq On : 16 May 2007 10:02 am
Operator : PhilipB
Sample : IC185-.5 (M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

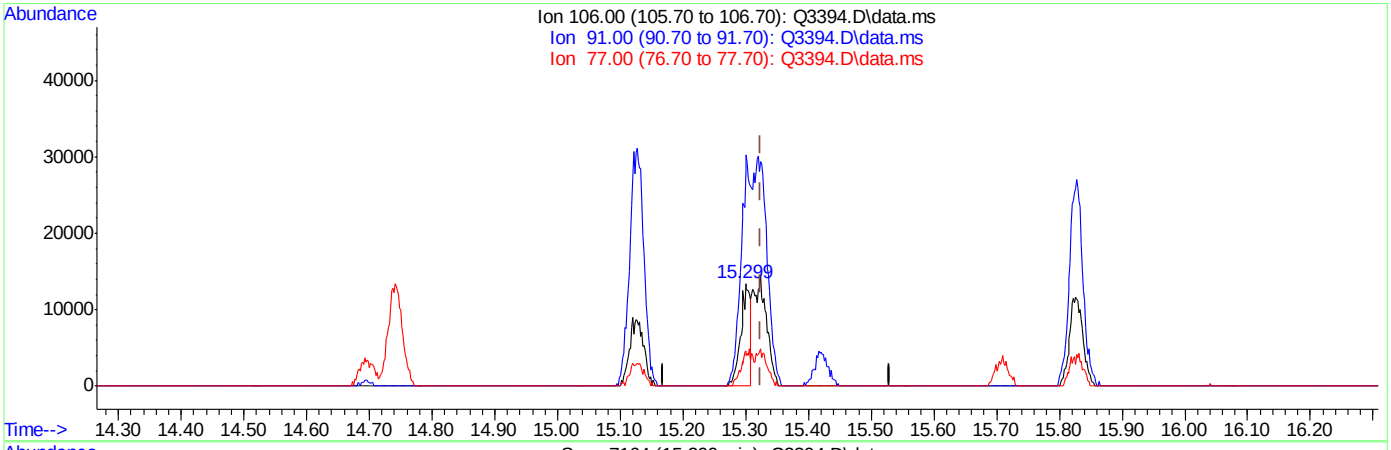
Quant Time: May 16 11:07:11 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:05:58 2007
Response via : Initial Calibration

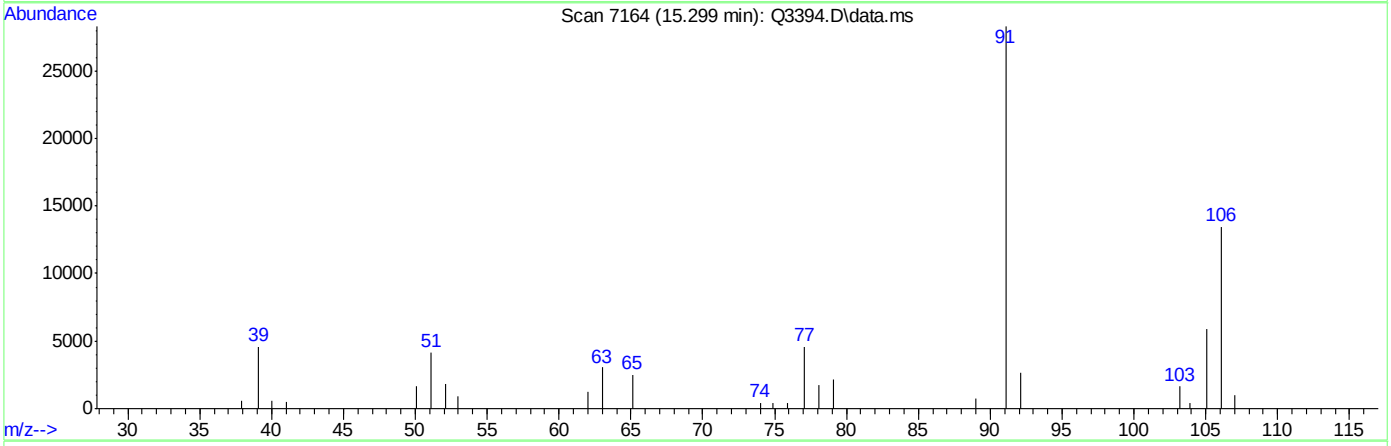


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3394.D
Acq On : 16 May 2007 10:02 am
Operator : PhilipB
Sample : IC185-.5 (M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 16 11:07:00 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:05:58 2007
Response via : Initial Calibration





TIC: Q3394.D\data.ms

(56) m,p-XYLENE (m)

15.299min (-0.025) 0.50PPBV

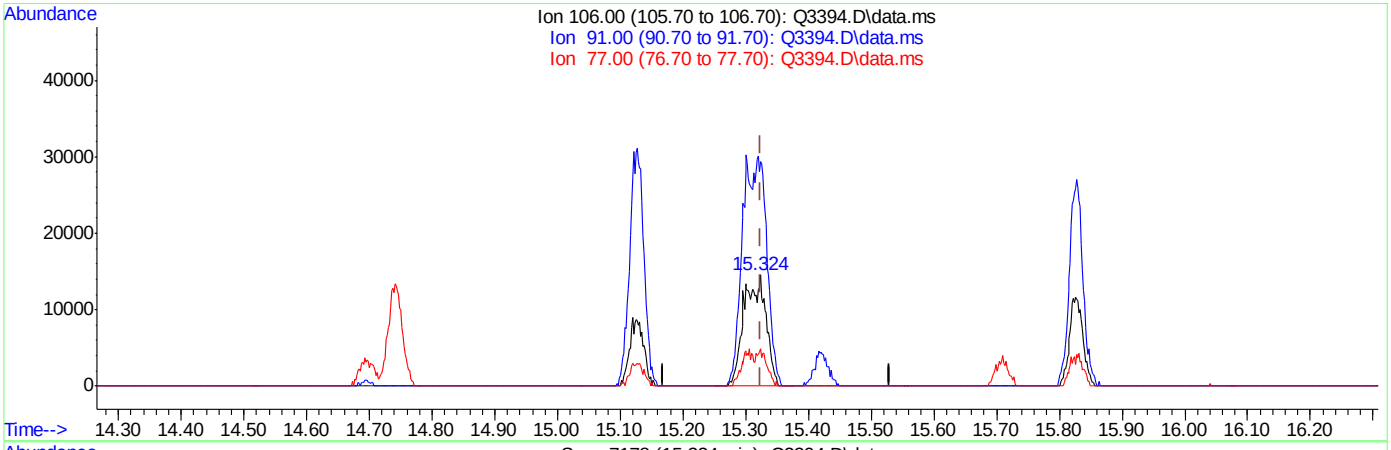
response 14888

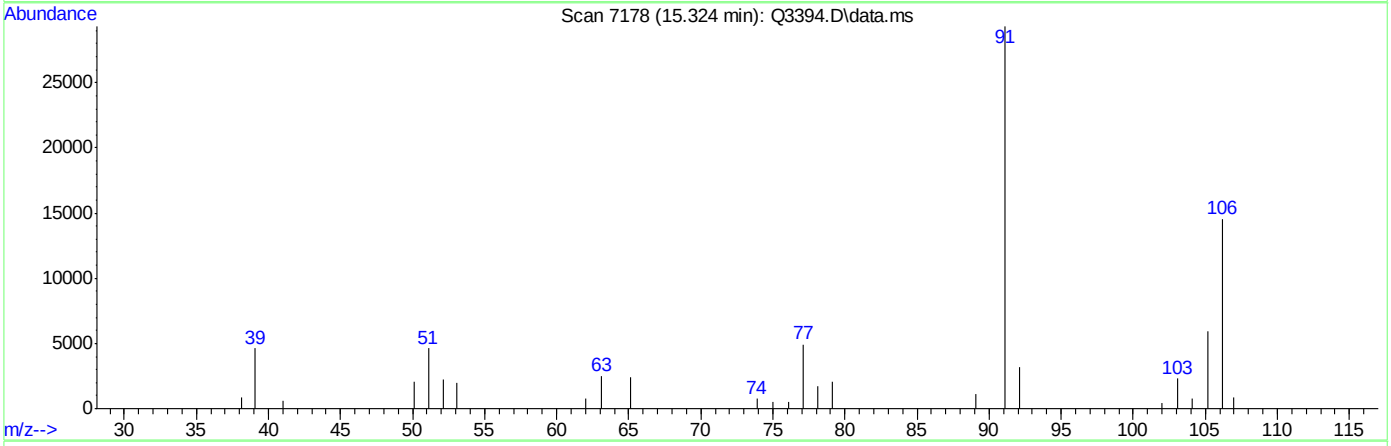
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	210.12
77.00	30.60	33.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3394.D
Acq On : 16 May 2007 10:02 am
Operator : PhilipB
Sample : IC185-.5 (M044)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 16 11:07:00 2007
Quant Method : C:\msdchem\1\METHODS\Q050307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:05:58 2007
Response via : Initial Calibration





TIC: Q3394.D\data.ms

(56) m,p-XYLENE (m)

15.324min (0.000) 1.22PPBV m

response 36245

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	201.36
77.00	30.60	33.68
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/16/07 18:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3395.D
Acq On : 16 May 2007 11:30 am
Operator : PhilipB
Sample : ICV185-10 (M068)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 12:01:33 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.422	128	112237	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	552463	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	465922	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.334	95	203278	5.08	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 101.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.591	85	933615	9.96	PPBV	84
3) PROPYLENE	3.519	41	339794	10.23	PPBV #	82
4) FREON 114	3.854	85	980986	10.31	PPBV #	100
5) CHLOROMETHANE	3.758	50	431076	10.30	PPBV	96
6) VINYL CHLORIDE	3.980	62	358368	10.35	PPBV	72
7) 1,3-BUTADIENE	4.118	39	346366	9.80	PPBV #	100
8) BROMOMETHANE	4.395	94	311766	11.42	PPBV #	100
9) CHLOROETHANE	4.569	64	150791	10.27	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.387	101	998039	9.68	PPBV #	100
11) ISOPROPYL ALCOHOL	5.441	45	543958	8.26	PPBV	94
12) ACETONE	5.185	43	559095	9.55	PPBV #	72
13) PENTANE	5.767	42	270295	8.47	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.067	96	271220	9.86	PPBV #	21
15) CARBON DISULFIDE	6.521	76	548241	8.22	PPBV	67
16) ETHANOL	4.669	45	120941	8.97	PPBV #	100
17) BROMOETHENE	4.938	106	311197	11.68	PPBV #	100
18) METHYLENE CHLORIDE	6.190	84	216261	10.40	PPBV #	1
19) 3-CHLOROPROPENE	6.319	39	177450	7.81	PPBV #	1
20) FREON 113	6.468	151	475296	9.79	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.182	96	221251	9.28	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.090	59	553417	9.42	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.444	73	512460	9.34	PPBV #	100
24) TETRAHYDROFURAN	8.955	42	280511	8.29	PPBV #	100
25) HEXANE	8.458	57	296306	8.03	PPBV #	100
26) VINYL ACETATE	7.535	43	449431	7.40	PPBV	90
27) 1,1-DICHLOROETHANE	7.389	63	412351	8.58	PPBV #	100
28) METHYL ETHYL KETONE	7.792	43	660301	9.83	PPBV	85
29) cis-1,2-DICHLOROETHYLENE	8.248	96	161193	8.90	PPBV #	100
30) ETHYL ACETATE	8.463	43	884822	8.06	PPBV	100
31) CHLOROFORM	8.554	83	444254	8.73	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.551	97	507726	9.90	PPBV	91
33) CARBON TETRACHLORIDE	10.158	117	574233	10.21	PPBV	94
34) 1,2-DICHLOROETHANE	9.297	62	401657	9.78	PPBV	99
36) BENZENE	10.012	78	467969	8.15	PPBV	90
37) CYCLOHEXANE	10.286	84	179321	9.32	PPBV #	43
38) TRICHLOROETHYLENE	11.049	95	273817	8.75	PPBV	91
39) 1,2-DICHLOROPROPANE	10.818	63	214608	7.85	PPBV #	65
40) BROMODICHLOROMETHANE	11.013	83	478765	8.99	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.076	57	1021733	7.62	PPBV	96
42) 1,4-DIOXANE	11.040	88	89454	8.58	PPBV #	50
43) HEPTANE	11.326	43	444377	7.75	PPBV #	79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3395.D
Acq On : 16 May 2007 11:30 am
Operator : PhilipB
Sample : ICV185-10 (M068)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 12:01:33 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

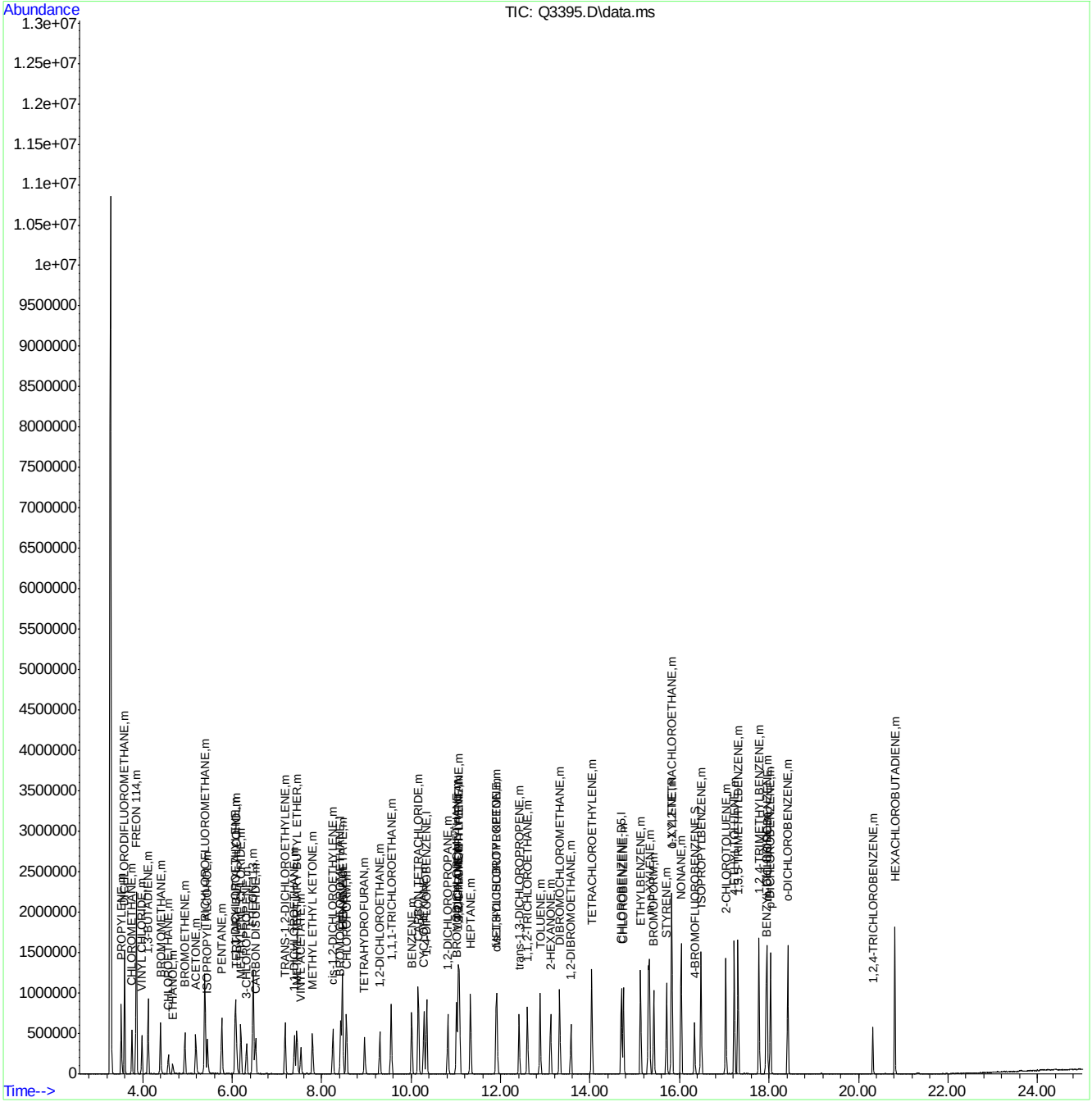
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.919	43	608279	7.38	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.895	75	296186	8.13	PPBV	100
46) TOLUENE	12.884	92	333074	8.78	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.414	75	312538	9.99	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.598	83	181207	7.88	PPBV	95
50) 2-HEXANONE	13.117	43	535705	8.12	PPBV	98
51) TETRACHLOROETHYLENE	14.038	164	201684	12.35	PPBV #	85
52) DIBROMOCHLOROMETHANE	13.319	129	476311	10.28	PPBV	99
53) 1,2-DIBROMOETHANE	13.571	107	371418	9.23	PPBV	99
54) CHLOROBENZENE	14.744	112	456330	9.25	PPBV	94
55) ETHYLBENZENE	15.127	91	804836	9.29	PPBV	96
56) m,p-XYLENE	15.326	106	584358m	18.35	PPBV	
57) o-XYLENE	15.830	106	298030	9.05	PPBV	92
58) STYRENE	15.709	104	424241	10.29	PPBV	100
59) NONANE	16.036	43	682624	7.80	PPBV	85
60) BROMOFORM	15.422	173	404770	11.12	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.821	83	489985	8.39	PPBV	94
63) ISOPROPYLBENZENE	16.480	105	891517	9.33	PPBV	97
64) 2-CHLOROTOLUENE	17.030	91	692087	9.28	PPBV	95
65) 4-ETHYLTOLUENE	17.223	105	864394	10.28	PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	789519	9.69	PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	766252	9.93	PPBV	94
68) m-DICHLOROBENZENE	17.956	146	468863	10.39	PPBV	96
69) BENZYL CHLORIDE	17.935	91	591891	11.28	PPBV	94
70) p-DICHLOROBENZENE	18.031	146	451240	10.85	PPBV	95
71) o-DICHLOROBENZENE	18.420	146	472060	11.68	PPBV	95
72) HEXACHLOROBUTADIENE	20.812	225	200903	14.94	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.322	180	111042	14.53	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3395.D
Acq On : 16 May 2007 11:30 am
Operator : PhilipB
Sample : ICV185-10 (M068)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 3 Sample Multiplier: 1

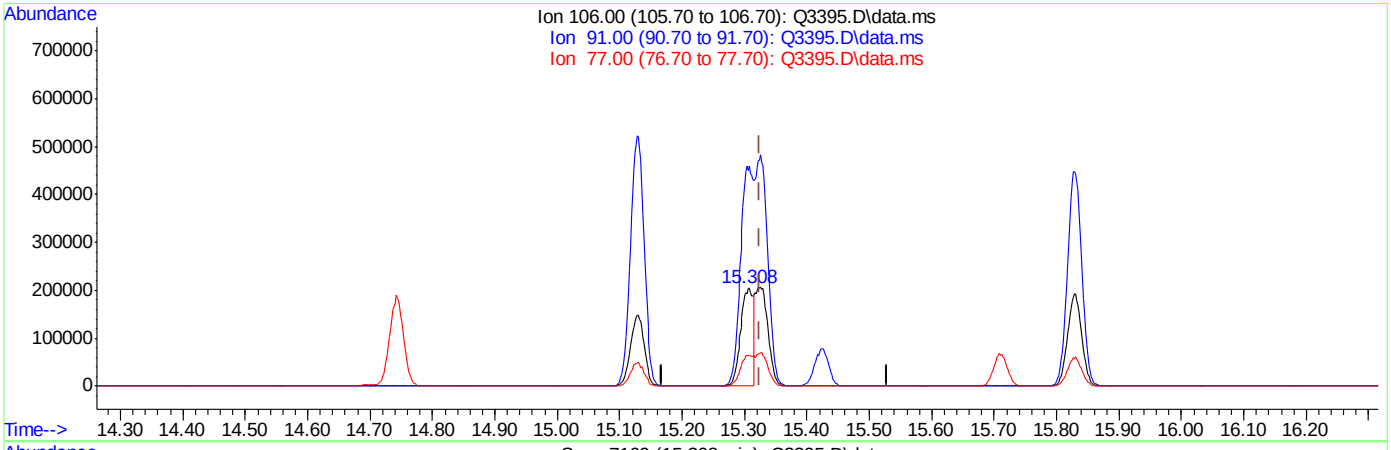
Quant Time: May 16 12:01:33 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

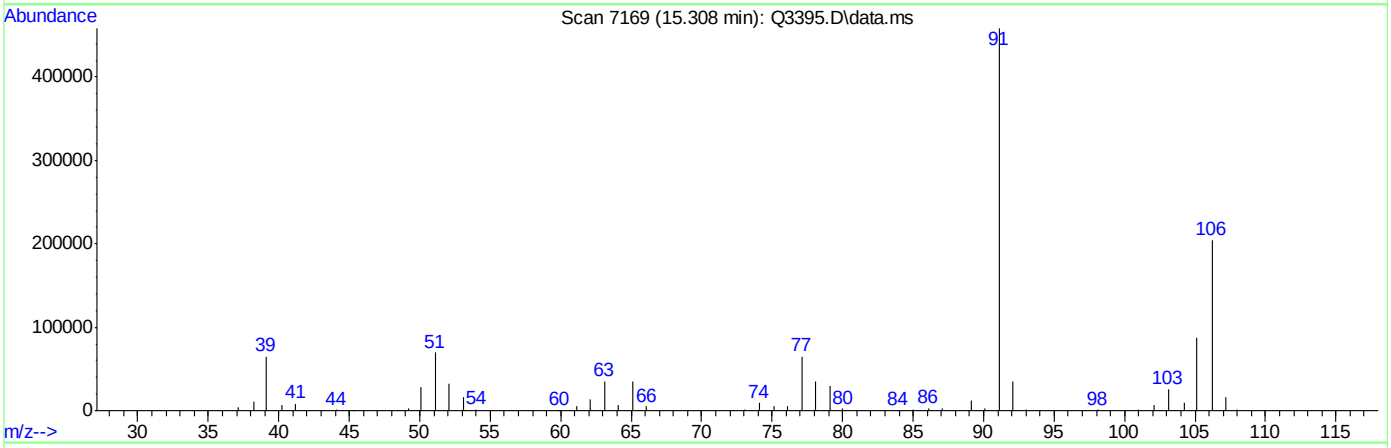


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3395.D
Acq On : 16 May 2007 11:30 am
Operator : PhilipB
Sample : ICV185-10 (M068)
Misc : MS13535,MSQ185,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 12:01:19 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration





TIC: Q3395.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.016) 9.26PPBV

response 294924

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	223.98
77.00	30.60	31.66
0.00	0.00	0.00

ACCUTEST Laboratories M65248R

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3395.D
Acq On    : 16 May 2007  11:30 am
Operator  : PhilipB
Sample    : ICV185-10 (M068)
Misc      : MS13535,MSQ185,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 16 12:01:19 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration
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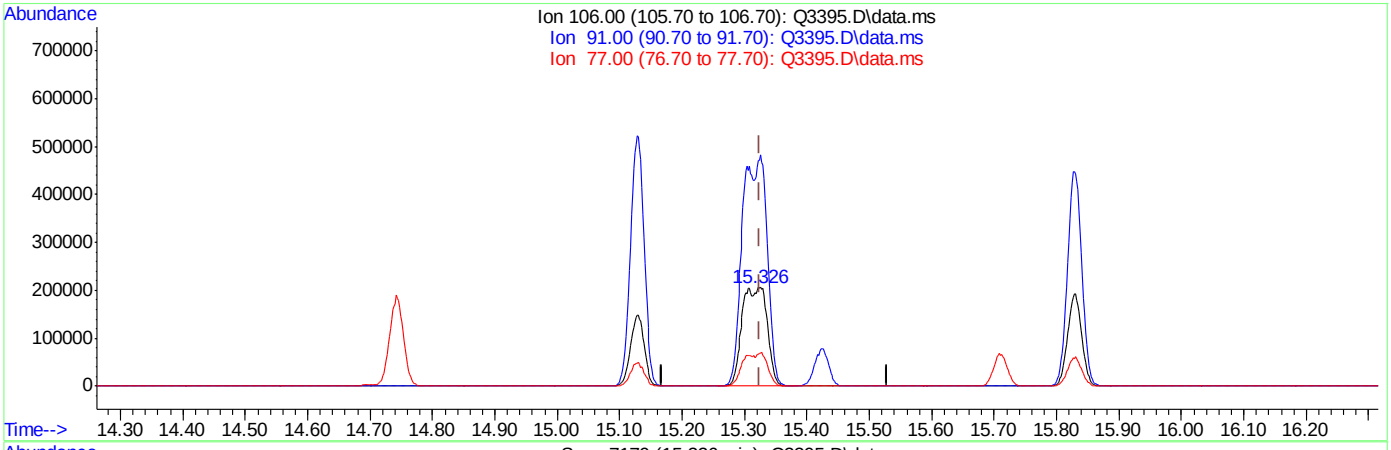
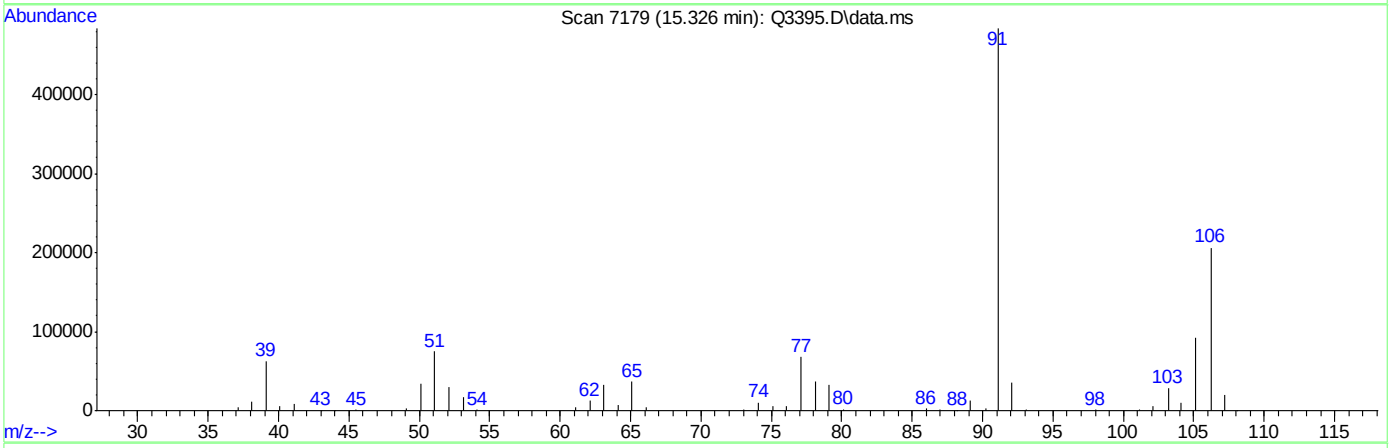




TIC: Q3395.D\data.ms

(56) m,p-XYLENE (m)

15.326min (+0.002) 18.35PPBV m

response 584358

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	234.69
77.00	30.60	32.86
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/22/07 16:23

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3423.D
Acq On : 17 May 2007 1:49 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13593, MSQ187,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 17 15:04:36 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.419	128	84278	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.343	114	417107	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	350656	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	156485	5.19	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 103.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.590	85	679912	9.66	PPBV	84
3) PROPYLENE	3.519	41	181918	7.30	PPBV	88
4) FREON 114	3.856	85	715821	10.02	PPBV #	100
5) CHLOROMETHANE	3.755	50	284776	9.07	PPBV	96
6) VINYL CHLORIDE	3.978	62	246510	9.48	PPBV	72
7) 1,3-BUTADIENE	4.117	39	240811	9.07	PPBV #	100
8) BROMOMETHANE	4.394	94	230451	11.22	PPBV #	100
9) CHLOROETHANE	4.567	64	110538	10.02	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.384	101	812227	10.49	PPBV #	100
11) ISOPROPYL ALCOHOL	5.437	45	500680	10.13	PPBV	99
12) ACETONE	5.183	43	507015	11.53	PPBV #	75
13) PENTANE	5.764	42	304508	12.71	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.067	96	212659	10.30	PPBV #	7
15) CARBON DISULFIDE	6.520	76	578489	11.55	PPBV #	60
16) ETHANOL	4.665	45	95339	9.42	PPBV #	100
17) BROMOETHENE	4.940	106	215974	10.70	PPBV #	100
18) METHYLENE CHLORIDE	6.193	84	187157	12.18	PPBV #	1
19) 3-CHLOROPROPENE	6.317	39	234354	14.03	PPBV #	1
20) FREON 113	6.465	151	402418	11.04	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.176	96	202507	11.32	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.083	59	461059	10.46	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.443	73	434084	10.54	PPBV #	100
24) TETRAHYDROFURAN	8.955	42	235433	9.27	PPBV #	100
25) HEXANE	8.452	57	278408	10.04	PPBV #	100
26) VINYL ACETATE	7.531	43	576575	12.65	PPBV	82
27) 1,1-DICHLOROETHANE	7.389	63	460448	12.75	PPBV #	100
28) METHYL ETHYL KETONE	7.790	43	520515	10.32	PPBV	92
29) cis-1,2-DICHLOROETHYLENE	8.248	96	129709	9.54	PPBV #	100
30) ETHYL ACETATE	8.460	43	850126	10.31	PPBV	100
31) CHLOROFORM	8.550	83	405375	10.60	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.548	97	393583	10.22	PPBV	88
33) CARBON TETRACHLORIDE	10.156	117	421394	9.98	PPBV	94
34) 1,2-DICHLOROETHANE	9.296	62	318308	10.32	PPBV	99
36) BENZENE	10.011	78	407923	9.41	PPBV	91
37) CYCLOHEXANE	10.282	84	146232	10.07	PPBV #	37
38) TRICHLOROETHYLENE	11.049	95	243734	10.32	PPBV #	82
39) 1,2-DICHLOROPROPANE	10.820	63	197352	9.56	PPBV #	62
40) BROMODICHLOROMETHANE	11.012	83	407952	10.14	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.072	57	1015370	10.03	PPBV #	91
42) 1,4-DIOXANE	11.038	88	77292	9.82	PPBV #	34
43) HEPTANE	11.324	43	419100	9.68	PPBV #	78

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3423.D
Acq On : 17 May 2007 1:49 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13593, MSQ187,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 17 15:04:36 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

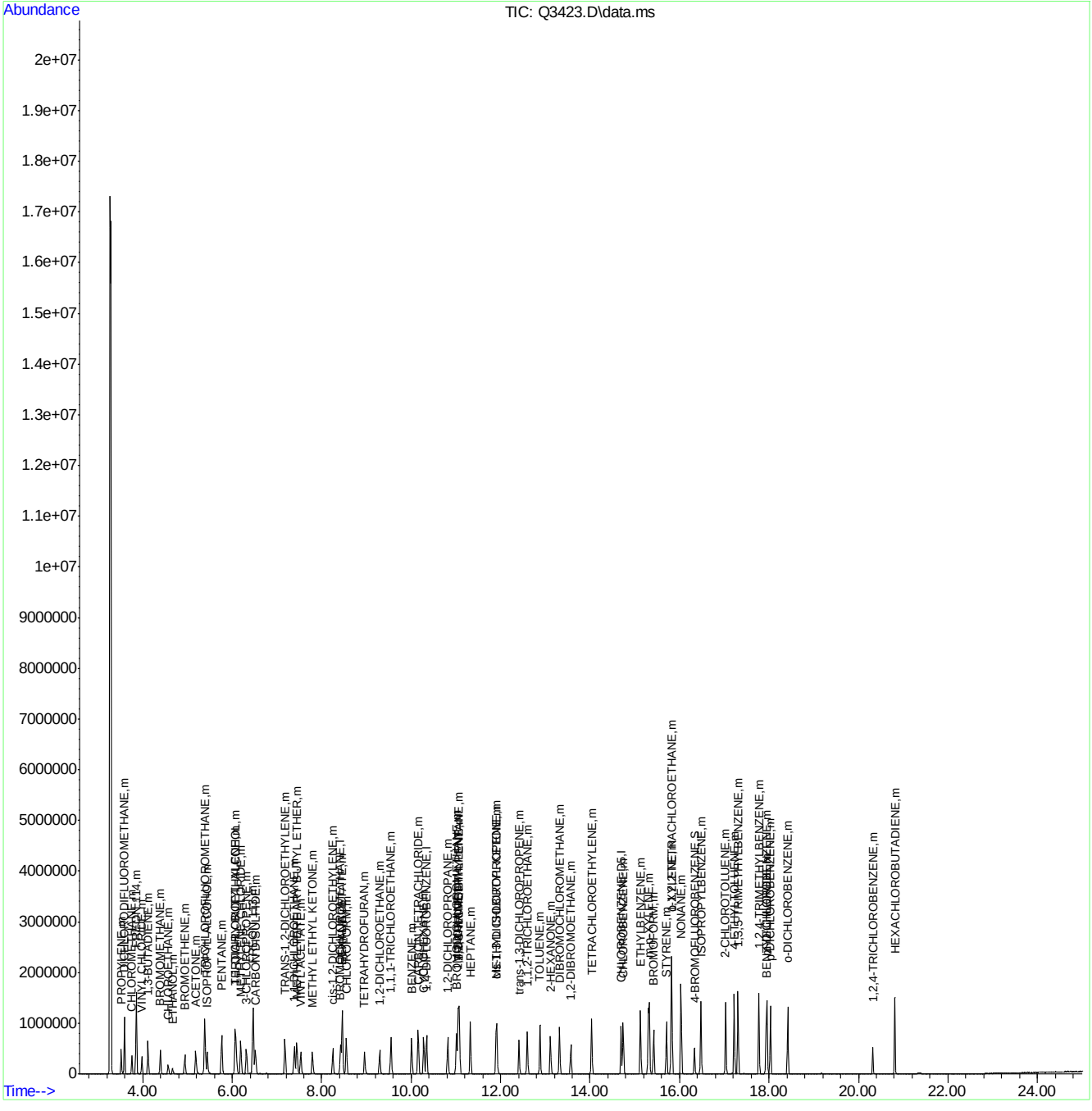
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.915	43	610353	9.81	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.896	75	246594	8.97	PPBV	91
46) TOLUENE	12.881	92	287268	10.02	PPBV	95
47) trans-1,3-DICHLOROPROPENE	12.410	75	246031	10.42	PPBV #	100
48) 1,1,2-TRICHLOROETHANE	12.595	83	179710	10.35	PPBV	90
50) 2-HEXANONE	13.113	43	506286	10.20	PPBV	96
51) TETRACHLOROETHYLENE	14.034	164	135236	11.22	PPBV #	78
52) DIBROMOCHLOROMETHANE	13.315	129	366484	10.51	PPBV	99
53) 1,2-DIBROMOETHANE	13.567	107	314540	10.38	PPBV	97
54) CHLOROBENZENE	14.739	112	386039	10.40	PPBV	88
55) ETHYLBENZENE	15.124	91	706267	10.83	PPBV	94
56) m,p-XYLENE	15.324	106	526752m	21.98	PPBV	
57) o-XYLENE	15.827	106	276533	11.16	PPBV	89
58) STYRENE	15.706	104	346909	11.19	PPBV	99
59) NONANE	16.033	43	741074	11.25	PPBV	83
60) BROMOFORM	15.422	173	294498	10.75	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.816	83	563050	12.82	PPBV	95
63) ISOPROPYLBENZENE	16.478	105	761375	10.59	PPBV	95
64) 2-CHLOROTOLUENE	17.030	91	597947	10.65	PPBV	89
65) 4-ETHYLTOLUENE	17.222	105	750658	11.87	PPBV	92
66) 1,3,5-TRIMETHYLBENZENE	17.305	105	685064	11.18	PPBV	92
67) 1,2,4-TRIMETHYLBENZENE	17.774	105	643904	11.09	PPBV	92
68) m-DICHLOROBENZENE	17.956	146	354872	10.45	PPBV	95
69) BENZYL CHLORIDE	17.933	91	485782	12.30	PPBV	90
70) p-DICHLOROBENZENE	18.031	146	325177	10.39	PPBV	93
71) o-DICHLOROBENZENE	18.418	146	304283	10.01	PPBV	91
72) HEXACHLOROBUTADIENE	20.812	225	112794	12.27	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.320	180	74430	13.40	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3423.D
Acq On : 17 May 2007 1:49 pm
Operator : PhilipB
Sample : CC185-10 (M068)
Misc : MS13593, MSQ187,,,,,1
ALS Vial : 1 Sample Multiplier: 1

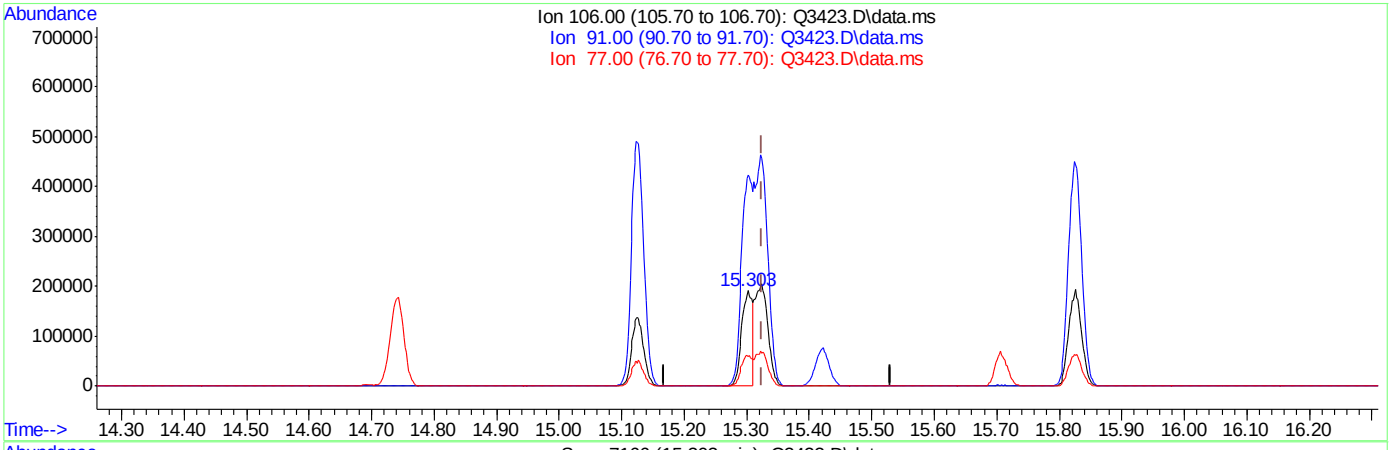
Quant Time: May 17 15:04:36 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration

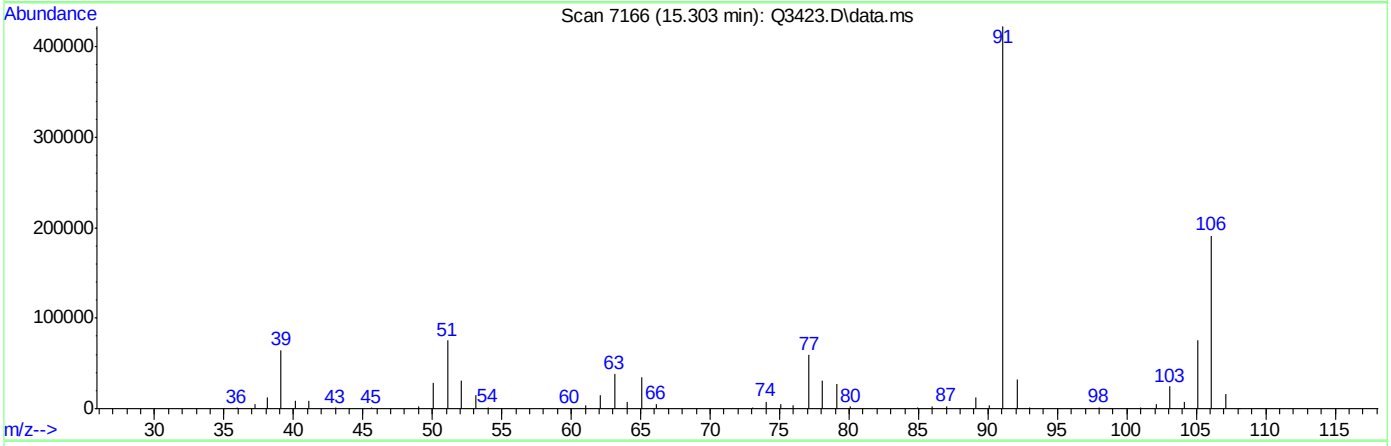


Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3423.D
Acq On    : 17 May 2007   1:49 pm
Operator  : PhilipB
Sample    : CC185-10 (M068)
Misc      : MS13593, MSQ187,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 17 15:04:18 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration
```



TIC: Q3423.D\data.ms

(56) m,p-XYLENE (m)

15.303min (-0.021) 9.65PPBV

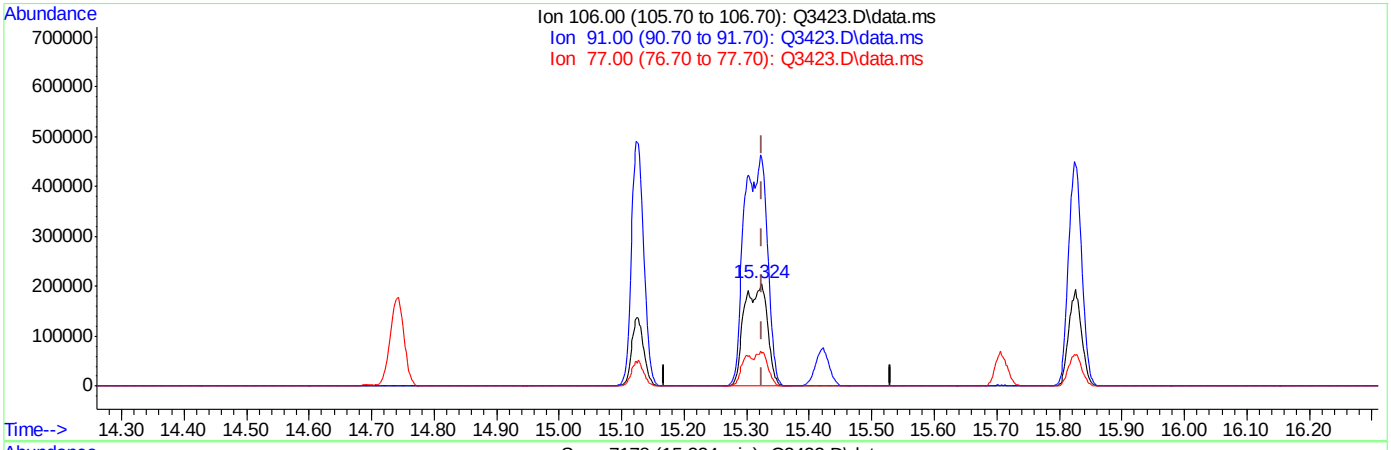
response 231344

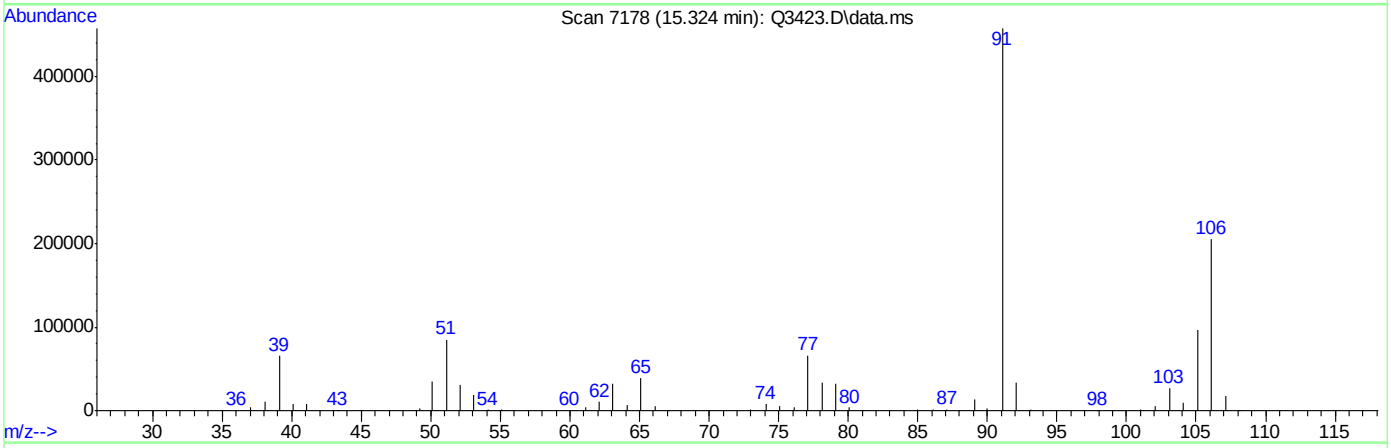
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	221.40
77.00	30.60	31.10
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3423.D
Acq On    : 17 May 2007   1:49 pm
Operator  : PhilipB
Sample    : CC185-10 (M068)
Misc      : MS13593, MSQ187,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 17 15:04:18 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed May 16 11:12:42 2007
Response via : Initial Calibration
```



(56) m,p-XYLENE (m)

15.324min (+0.000) 21.98PPBV m

response 526752

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	222.85
77.00	30.60	32.36
0.00	0.00	0.00

Standard Lot #	
Calib STD 1	MSA356
Calib STD 2	MSA357
ICV	MSA355
Inter/Surr STD	MSA218
BS/BSD	MSA355

File ID	
Tune File 1	J10644
Tune File 2	J10653A
Initial Cal.	6/14/07
ID FILE	J061407T.M
Instrument ID	J
ICAL:	J10653
Column Type:	RTX-1
Sequence Verified By:	DT 6/16/07

Date:	6/14/2007
Analyst:	DANAT
Batch ID:	msj552
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	6/18/2007 2:16:16 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10644	IC552-0.5	m140	MSA357		1		1		
J10645	IC552-0.2	m140	MSA357		1		1		
J10646	IC552-2	m140	MSA357		1		1		
J10647	IC552-5	m173	MSA356		2		1		
J10648	ICC552-10	m173	MSA356		2		1		
J10649	IC552-20	m173	MSA356		2		1		
J10650	IC552-40	m173	MSA356		2		1		
J10651	BLANK	m137			3		1		
J10652	ICV552-10	m057	MSA355		4		1		Re-run , fails.
J10653	ICV552-10	m057	MSA355		4		1		ok
J10653a	CC552-10	m057	MSA355		4		1		
J10653b	BS	m057	MSA355		4		1		
J10654	BLANK	m137			3		1		
J10655	MB	m127		VTO15STD	3		1		
J10656	M65235-5	m185	MS13715	VTO15STD	5		10		
J10657	M65235-6	m193	MS13715	VTO15STD	6		10		Re-run @ 100x , over calibration.
J10658	M65235-7	m194	MS13715	VTO15STD	7		5		Re-run @ 20x , over calibration.
J10659	M65235-5DUP	m185	MS13715	VTO15STD	5		10		
J10660	M65235-6	m204	MS13715	VTO15STD	6		100		
J10661	M65235-7	m194	MS13715	VTO15STD	7		20		
J10662	M65235-3	m161	MS13715	VTO15STD	9		10000		
J10663	M65235-4	m096	MS13715	VTO15STD	10		10000		
J10664	M65475-1	m103	MS13744	VTO15STD	11		1		
J10665	M65235-9	m098	MS13754	VTO15STD	13		100		Re-run @ 500x , over calibration.
J10666	M65235-10	m096	MS13754	VTO15STD	14		20000		Re-run @ 400,000x , over calibration.
J10667	M65235-11	m006	MS13754	VTO15STD	15		100000		
J10668	M65235-12	m054	MS13754	VTO15STD	16		50000		Re-run @ 200,000x , over calibration.
J10669	M65235-2	m180	MS13754	VTO15STD	3		10		
J10670	M65235-8	m197	MS13754	VTO15STD	4		10		Re-run @ 20x , over calibration.

Standard Lot #	
Calib STD 1	MSA361
Calib STD 2	NA
ICV	NA
Inter/Surr STD	MSA218
BS/BSD	MSA361

File ID	
Tune File 1	J10716
Tune File 2	NA
Initial Cal.	6/14/07
ID FILE	J061407T.M
Instrument ID	J
ICAL:	
Column Type:	RTX-1
Sequence Verified By:	DT 6/22/07

Date:	6/21/2007
Analyst:	DANAT
Batch ID:	msj555
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	6/22/2007 3:12:13 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10716	CC552-10	m045	MSA361	VTO15STD	1		1		
J10716a	BS	m045	MSA361	VTO15STD	1		1		
J10717	BLANK	m171	NA	VTO15STD	2				
J10718	MB	m171	NA	VTO15STD	2		1		
J10719	M65230-1R	m025	MS13799	VTO15STD	3		1		
J10720	M65401-1R	m143	MS13799	VTO15STD	4		1		
J10721	M65230-1RDUP	m025	MS13799	VTO15STD	3		1		
J10722	M65248-2R	m124	MS13799	VTO15STD	5		1		
J10723	M65603-1	m003	MS13799	VTO15STD	6		1		
J10724	M65603-2	m016	MS13799	VTO15STD	7		1		
J10725	M65607-1	m026	MS13799	VTO15STD	8		1		
J10726	M65607-2	m157	MS13799	VTO15STD	9		1		Run did not finish due to instrument error.

Standard Lot #	
Calib STD 1	MSA336
Calib STD 2	MSA337
ICV	MSA338
Inter/Surr STD	MSA218
BS/BSD	NA

File ID	
Tune File 1	Q3387.D
Tune File 2	NA
Initial Cal.	5-15-07
ID FILE	Q051507T.M
Instrument ID	Q
ICAL:	Q3395.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-16-07

Date:	5/15/2007
Analyst:	PHILIPB
Batch ID:	MSQ185
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/24/2007 10:13:46 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3380	BLK	M026	NA	VTO15STD	1		1	NA	O.K.
Q3381	BLK	M026	NA	VTO15STD	2		1	NA	O.K.
Q3382	CC180-10	M148	NA	VTO15STD	3		1	NA	Failed; re-cal
Q3383	40 PPBV	M060	MSA336	VTO15STD	4		1	NA	Late end Contamination.
Q3384	20 PPBV	M060	MSA336	VTO15STD	5		1	NA	Late end Contamination.
Q3385	10 PPBV	M060	MSA336	VTO15STD	6		1	NA	Late end Contamination.
Q3386	5 PPBV	M060	MSA336	VTO15STD	7		1	NA	Late end Contamination.
Q3387	IC185-2	M060	MSA336	VTO15STD	8		1	NA	O.K.; BFB
Q3388	IC185-.5	M044	MSA337	VTO15STD	9		1	NA	Pulse gas depleted; carry over from previous run.
Q3389	IC185-.2	M044	MSA337	VTO15STD	10		1	NA	O.K.
Q3390	IC185-40	M060	MSA336	VTO15STD	11		1	NA	O.K.
Q3391	IC185-5	M060	MSA336	VTO15STD	12		1	NA	O.K.
Q3392	IC185-20	M060	MSA336	VTO15STD	13		1	NA	O.K.
Q3393	IC185-10	M060	MSA336	VTO15STD	14		1	NA	O.K.
Q3394	IC185-.5	M044	MSA337	VTO15STD	15		1	NA	O.K.
Q3395	ICV185-10	M068	MSA338	VTO15STD	16		1	NA	O.K.

Standard Lot #	
Calib STD 1	MSA336
Calib STD 2	MSA337
ICV	MSA338
Inter/Surr STD	MSA218
BS/BSD	MSA338

File ID	
Tune File 1	Q3423.D
Tune File 2	NA
Initial Cal.	5-15-07
ID FILE	J051507T.M
Instrument ID	Q
ICAL:	Q3395.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-18-07

Date:	5/17/2007
Analyst:	PHILIPB
Batch ID:	MSQ187
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/22/2007 4:42:54 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3423	CC185-10	M068	MSA338	VTO15STD	1		1	NA	O.K.
Q3423A	BS	M068	MSA338	VTO15STD	1		1	NA	O.K.
Q3424	MB	M123	NA	VTO15STD	2		1	NA	ISTD high; re-run
Q3424A	M64897-8	M123	NA	VTO15STD	2		1	NA	re-run
Q3425	M64698-2R	M094	MS13579	VTO15STD	3		1	MC121	re-run
Q3426	M64828-1	M019	MS13593	VTO15STD	4		1	MC111	re-run
Q3427	MB	M123	MS13593	VTO15STD	2		1	NA	O.K.
Q3427A	M64897-8	M123	MS13593	VTO15STD	2		1	NA	O.K.
Q3428	M64828-1	M019	MS13593	VTO15STD	4		1	MC111	Double ISTD, re-run
Q3429	M64828-1DUP	M019	MS13593	VTO15STD	4		1	MC111	O.K.
Q3430	M64828-1	M019	MS13593	VTO15STD	4		1	MC111	O.K.
Q3431	M64698-2R	M094	MS13579	VTO15STD	3		1	MC121	Report with Q3403.D
Q3432	M64754-1	M020	MS13593	VTO15STD	5		10	NA	Re-run straight
Q3433	M64754-2	M007	MS13593	VTO15STD	6		10	NA	Re-run straight
Q3434	M64754-3	M163	MS13593	VTO15STD	7		10	NA	Re-run straight
Q3435	M64754-4	M109	MS13593	VTO15STD	8		10	NA	Re-run 100X
Q3436	M64754-5	M164	MS13593	VTO15STD	9		10	NA	Re-run straight
Q3437	M64754-6	M013	MS13593	VTO15STD	10		10	NA	Re-run straight
Q3438	M64754-7	M008	MS13593	VTO15STD	11		10	NA	Re-run 4X
Q3439	M64754-8	M133	MS13593	VTO15STD	12		10	NA	Re-run 10X; ISTD fail.
Q3440	M64754-9	M130	MS13593	VTO15STD	13		10	NA	Re-run straight
Q3441	M64897-9	M124	MS13593	VTO15STD	14		1	NA	Carry over matrix IF; re-run
Q3442	M64897-10	M003	MS13593	VTO15STD	15		1	NA	O.K.
Q3443	M64897-11	M016	MS13593	VTO15STD	16		1	NA	O.K.
Q3444	M64754-7	M008	MS13593	VTO15STD	11		4	NA	Matrix interference, confirms ISTD.
Q3445	M64754-8	M133	MS13593	VTO15STD	12		10	NA	Confirms
Q3446	M64897-9	M124	MS13593	VTO15STD	14		1	NA	O.K.
Q3447	M64754-1	M020	MS13593	VTO15STD	5		1	NA	O.K.
Q3448	M64754-2	M007	MS13593	VTO15STD	6		1	NA	O.K.
Q3449	M64754-3	M163	MS13593	VTO15STD	7		1	NA	Matrix interference; report 10X
Q3450	FCB070	M202	MS13593	VTO15STD	8		1	MC055	O.K.
Q3451	FCB071	M199	MS13593	VTO15STD	8		1	MC030	O.K.