New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/27/07

Technical Report for

GEI Consultants, Inc.

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Accutest Job Number: M63981

Sampling Date: 04/10/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **160**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

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

Reza Tand
Lab Director

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

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Sample Summary

GEI Consultants, Inc.

Job No: M63981

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M63981-1	04/10/07	10:00	SLS	04/11/07	AIR	Air	045162-MW106
M63981-2	04/10/07	10:14	SLS	04/11/07	AIR	Air	045162-MW107
M63981-3	04/10/07	10:23	SLS	04/11/07	AIR	Air	045162-MW108
M63981-4	04/10/07	11:27	SLS	04/11/07	AIR	Air	045162-MW113
M63981-5	04/10/07	12:52	SLS	04/11/07	AIR	Air	045162-MW114
M63981-6	04/10/07	13:09	SLS	04/11/07	AIR	Air	045162-MW115
M63981-7	04/10/07	13:57	SLS	04/11/07	AIR	Air	045162-MW109

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M63981
Site:	Indoor & Outdoor Air Samples Tufts St., Somerville MA	**Report Date**	4/25/2007 3:20:35 PM

7 Sample(s) were collected on 04/10/2007 and were received at Accutest on 04/11/2007. These Samples received an Accutest job number of M63981. 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:**	MSQ172

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M63981-1DUP were used as the QC samples indicated.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M63981).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-MW106		
Lab Sample ID:	M63981-1	**Date Sampled:**	04/10/07
Matrix:	AIR - Air Summa ID: M147	**Date Received:**	04/11/07
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	Q3223.D	1	04/13/07	DFT	n/a	n/a	MSQ172
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	0.64	0.20	ppbv		2.6	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	5.1	0.20	ppbv		20	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	12.9	0.20	ppbv		70.4	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	2.1	0.20	ppbv		14	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	3.3	0.20	ppbv		18	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	98%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-MW107		
Lab Sample ID:	M63981-2	**Date Sampled:**	04/10/07
Matrix:	AIR - Air Summa ID: M081	**Date Received:**	04/11/07
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	Q3224.D	1	04/13/07	DFT	n/a	n/a	MSQ172
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	3.0	0.20	ppbv		7.9	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	30.3	0.20	ppbv		123	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	27.1	0.20	ppbv		107	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	0.16	0.20	ppbv	J	0.63	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.81	0.20	ppbv		4.4	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	0.62	0.20	ppbv		4.2	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	0.76	0.20	ppbv		4.1	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	2.3	0.20	ppbv		5.9	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-MW108		
Lab Sample ID:	M63981-3	**Date Sampled:**	04/10/07
Matrix:	AIR - Air Summa ID: M162	**Date Received:**	04/11/07
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	Q3225.D	1	04/13/07	DFT	n/a	n/a	MSQ172
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	11.2	0.20	ppbv		75.9	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	100%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-MW113		
Lab Sample ID:	M63981-4	**Date Sampled:**	04/10/07
Matrix:	AIR - Air Summa ID: M122	**Date Received:**	04/11/07
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	Q3231.D	1	04/13/07	DFT	n/a	n/a	MSQ172
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	0.14	0.20	ppbv	J	0.57	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.55	0.20	ppbv		3.7	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	123%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-MW114		
Lab Sample ID:	M63981-5	**Date Sampled:**	04/10/07
Matrix:	AIR - Air Summa ID: M144	**Date Received:**	04/11/07
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	Q3228.D	1	04/13/07	DFT	n/a	n/a	MSQ172
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	0.29	0.20	ppbv		0.77	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.7	0.20	ppbv		12	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	0.16	0.20	ppbv	J	0.86	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	0.14	0.20	ppbv	J	0.36	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-MW115		
Lab Sample ID:	M63981-6	**Date Sampled:**	04/10/07
Matrix:	AIR - Air Summa ID: M088	**Date Received:**	04/11/07
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	Q3229.D	1	04/13/07	DFT	n/a	n/a	MSQ172
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.20	ppbv		ND	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	92%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-MW109		
Lab Sample ID:	M63981-7	**Date Sampled:**	04/10/07
Matrix:	AIR - Air Summa ID: D019,M012	**Date Received:**	04/11/07
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	Q3230.D	20	04/13/07	DFT	n/a	n/a	MSQ172
Run #2	Q3233.D	200	04/13/07	DFT	n/a	n/a	MSQ172

	Initial Volume
Run #1	400 ml
Run #2	400 ml

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	10	ppbv		ND	26	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	10	ppbv		ND	63	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	10	ppbv		ND	40	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	10	ppbv		ND	40	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	10	ppbv		ND	40	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	10	ppbv		ND	40	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	10	ppbv		ND	40	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	59.1	10	ppbv		322	55	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	10	ppbv		ND	69	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	10	ppbv		ND	55	ug/m3
127-18-4	165.8	Tetrachloroethylene	582 [a]	40	ppbv		3950 [a]	270	ug/m3
79-01-6	131.4	Trichloroethylene	5.7	10	ppbv	J	31	54	ug/m3
75-01-4	62.5	Vinyl chloride	ND	10	ppbv		ND	26	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%	60%	57-139%

(a) Result is from Run# 2

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

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

Misc. Forms

Custody Documents and Other Forms

ACCUTEST Laboratories

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

FED-EX Tracking #: | Bottle Order Control #: | Lab Quote #: | Lab Job #: M63981

PAGE 1 OF 1

Client / Reporting Information

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

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

Weather Parameters

Temperature (Fahrenheit)
Start: Maximum:
Stop: Minimum:
Atmospheric Pressure (inches of Hg)
Start: Maximum: NA
Stop: Minimum:
Other weather comment:

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Standard TO-15 Reporting List	MA DEP APH
-1	045162-MW106	SV	M147	6L	MC095	4/10/07	0905	28	/	SLS	4/10/07	1000	5	/	SLS		
-2	045162-MW107		M081		MC098	4/10/07	0922	29	/	SLS	4/10/07	1014	6	/	SLS		
-3	045162-MW108		M162		MFC020	4/10/07	0930	27.5	/	SLS	4/10/07	1023	3.5	/	SLS		
-4	045162-MW113		M122		MC063	4/10/07	1035	28	/	SLS	4/10/07	1127	7	/	SLS		
-5	045162-MW114		M144		MC073	4/10/07	1202	28.5	/	SLS	4/10/07	1252	4	/	SLS		
-6	045162-MW115		M088		MC064	4/10/07	1213	30	/	SLS	4/10/07	1309	4	/	SLS		
-7	045162-MW109		M012		MFC022	4/10/07	1259	29	/	SLS	4/10/07	1357	4	/	SLS		

Turnaround Time (Business days)

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

Approved By:
Date:

Data Deliverable Information

Comm A
Comm B
Full T1
Other:

Comments / Remarks

See attached list of analytes

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

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		1	2 GEI Lab	4-10-07 0730	2
3	4-10-07 1430	3 GEI Lab	4 GEI Lab	4/11/07 0955	4
5	4/11/07 0955	5	Custody Seal #	4/11/07 1145	

SM013-01 (2/14/06)

M63981: Chain of Custody
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Summa Certification Blanks

Sample ID	Canister ID
M63981-1	M147
M63981-2	M081
M63981-3	M162
M63981-4	M122
M63981-5	M144
M63981-6	M088
M63981-7	M012

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9676.D
Acq On : 15 Mar 2007 2:16 am
Operator : PhilipB
Sample : M63393-9 (M147)
Misc : MS13188, MSJ500,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 15 09:13:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J031307T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Mar 14 10:54:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	102254	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	270259	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	196020	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	46823	4.77	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 95.40%

Target Compounds Qvalue

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

031307T.M Thu Mar 15 09:13:47 2007 Page: 1

4.1 4

M63981: Chain of Custody

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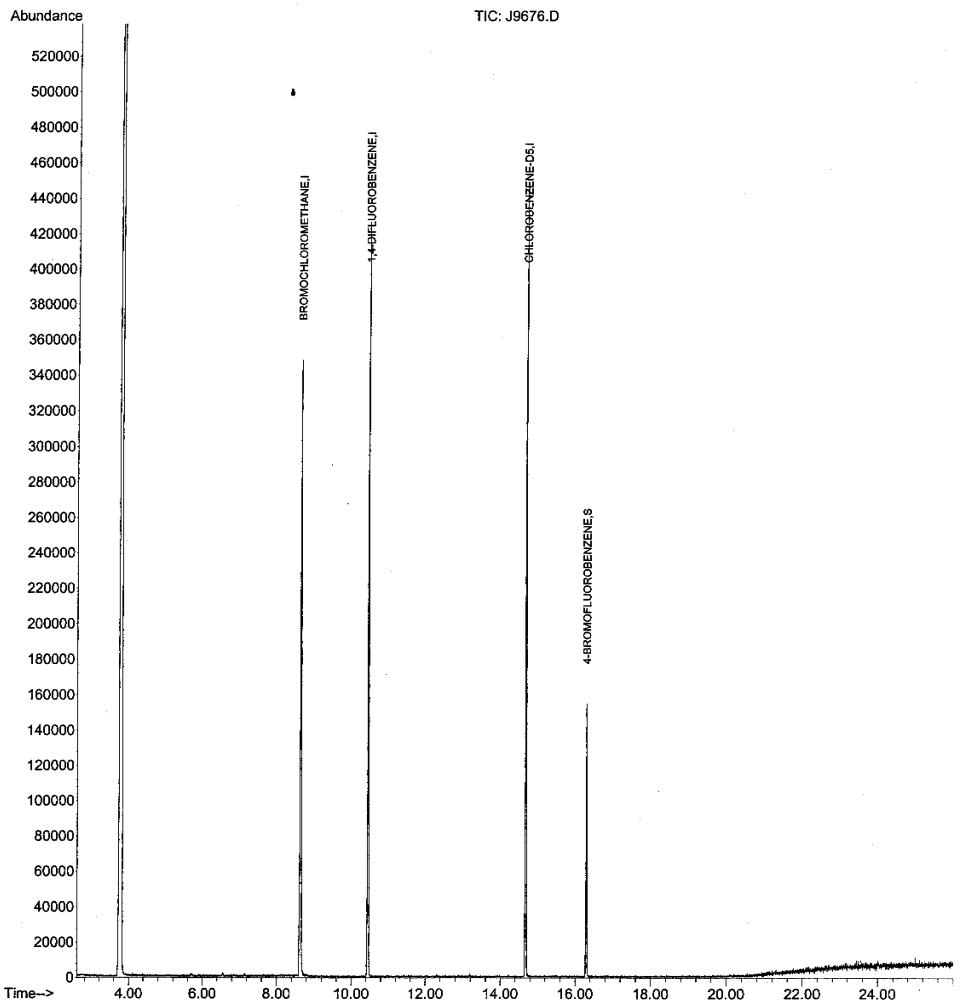
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9676.D
Acq On : 15 Mar 2007 2:16 am
Operator : PhilipB
Sample : M63393-9 (M147)
Misc : MS13188, MSJ500,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 15 09:13:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J031307T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Mar 14 10:54:38 2007
Response via : Initial Calibration



J031307T.M Thu Mar 15 09:13:48 2007 Page: 2

4.1 4

M63981: Chain of Custody

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ACCUTEST Laboratories
M63981

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9823.D
Acq On : 28 Mar 2007 11:29 pm
Operator : PhilipB
Sample : M63704-3 (M081)
Misc : MS13257, MSJ508,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 29 09:21:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\J032207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Mar 23 07:52:47 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	312807	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	538285	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	447195	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	115539	4.09	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 81.80%			
Target Compounds						Qvalue
12) ACETONE	5.67	43	18272m	0.86	PPBV	

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

J32207T.M Thu Mar 29 11:09:24 2007 Page: 1

4.1 4

M63981: Chain of Custody
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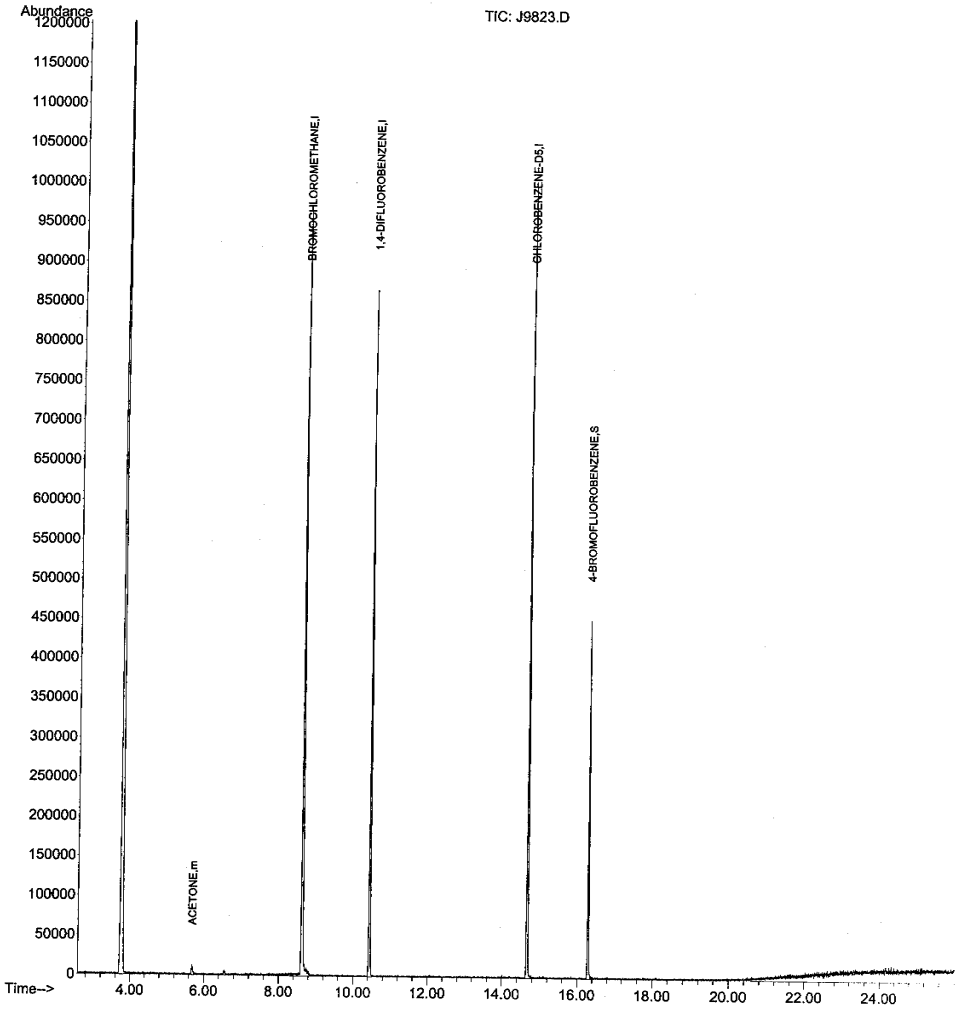
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9823.D
Acq On : 28 Mar 2007 11:29 pm
Operator : PhilipB
Sample : M63704-3 (M081)
Misc : MS13257, MSJ508,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 29 09:21:24 2007
Quant Method : C:\MSDCHEM\1\METHODS\J032207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Mar 23 07:52:47 2007
Response via : Initial Calibration



Page: 2

4.1 4

M63981: Chain of Custody
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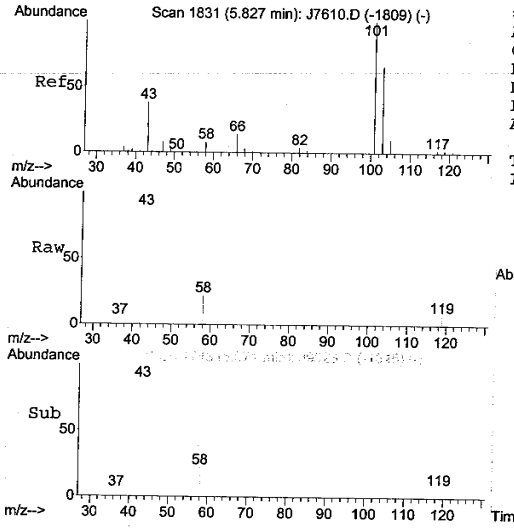
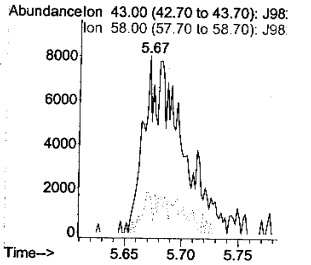


#12
ACETONE
Concen: 0.86 PPBV m
RT: 5.67 min Scan# 1743
Delta R.T. 0.02 min
Lab File: J9823.D
Acq: 28 Mar 2007 11:29 pm

Tgt Ion: 43 Resp: 18272

Ion	Ratio	Lower	Upper
43	100		
58	20.1	4.7	44.7



J9823.D J032207T.M Thu Mar 29 11:09:29 2007 Page 3

4.1 4

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9675.D
Acq On : 15 Mar 2007 1:28 am
Operator : PhilipB
Sample : M63393-8 (M162)
Misc : MS13188, MSJ500,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 15 09:12:58 2007
Quant Method : C:\MSDCHEM\1\METHODS\J031307T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Mar 14 10:54:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	105042	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	276979	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	199490	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	47561	4.76	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 95.20%

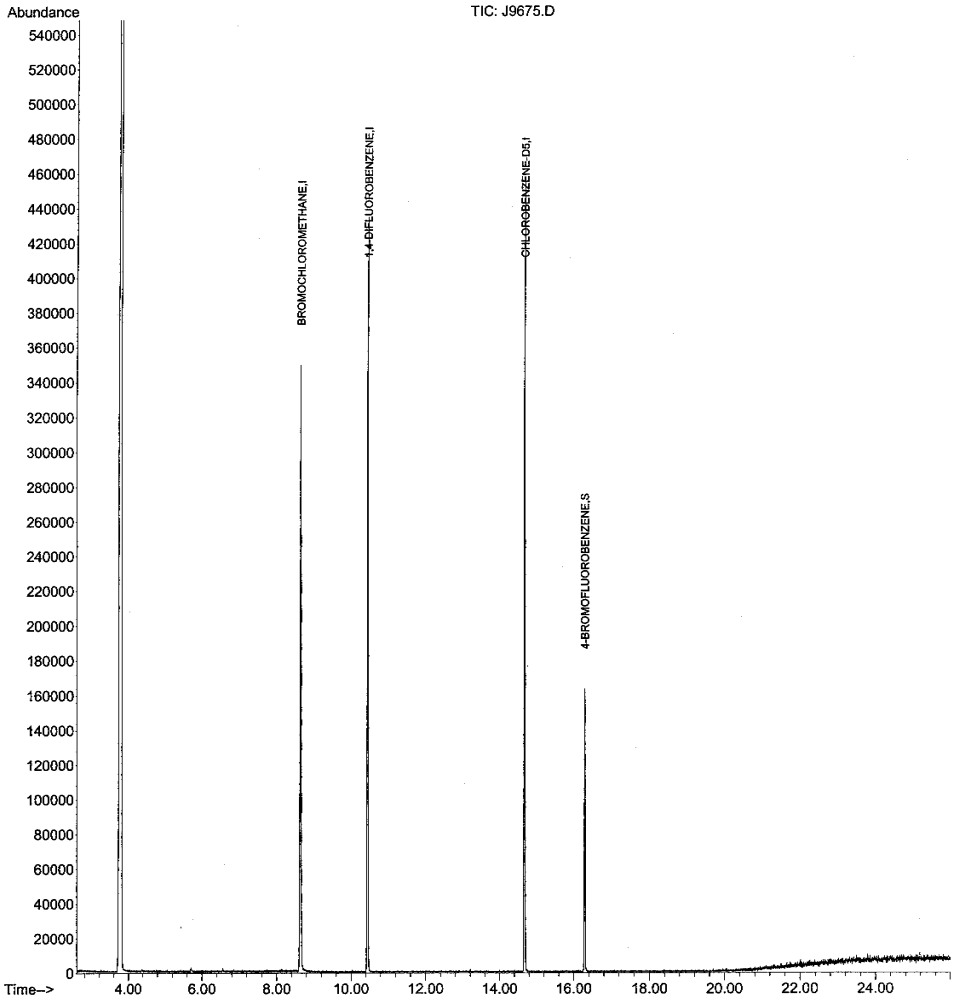
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9675.D
Acq On : 15 Mar 2007 1:28 am
Operator : PhilipB
Sample : M63393-8 (M162)
Misc : MS13188, MSJ500,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 15 09:12:58 2007
Quant Method : C:\MSDCHEM\1\METHODS\J031307T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Mar 14 10:54:38 2007
Response via : Initial Calibration



J031307T.M Thu Mar 15 09:13:08 2007 Page: 2

4.1 4

M63981: Chain of Custody
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Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9826.D
Acq On : 29 Mar 2007 1:44 am
Operator : PhilipB
Sample : M63704-6 (M122)
Misc : MS13257, MSJ508,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 29 09:24:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J032207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Mar 23 07:52:47 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	303791	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	511443	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	434063	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	113985	4.16	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 83.20%

Target Compounds	Qvalue

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

J032207T.M Thu Mar 29 11:12:15 2007 Page: 1

4.1 4

M63981: Chain of Custody

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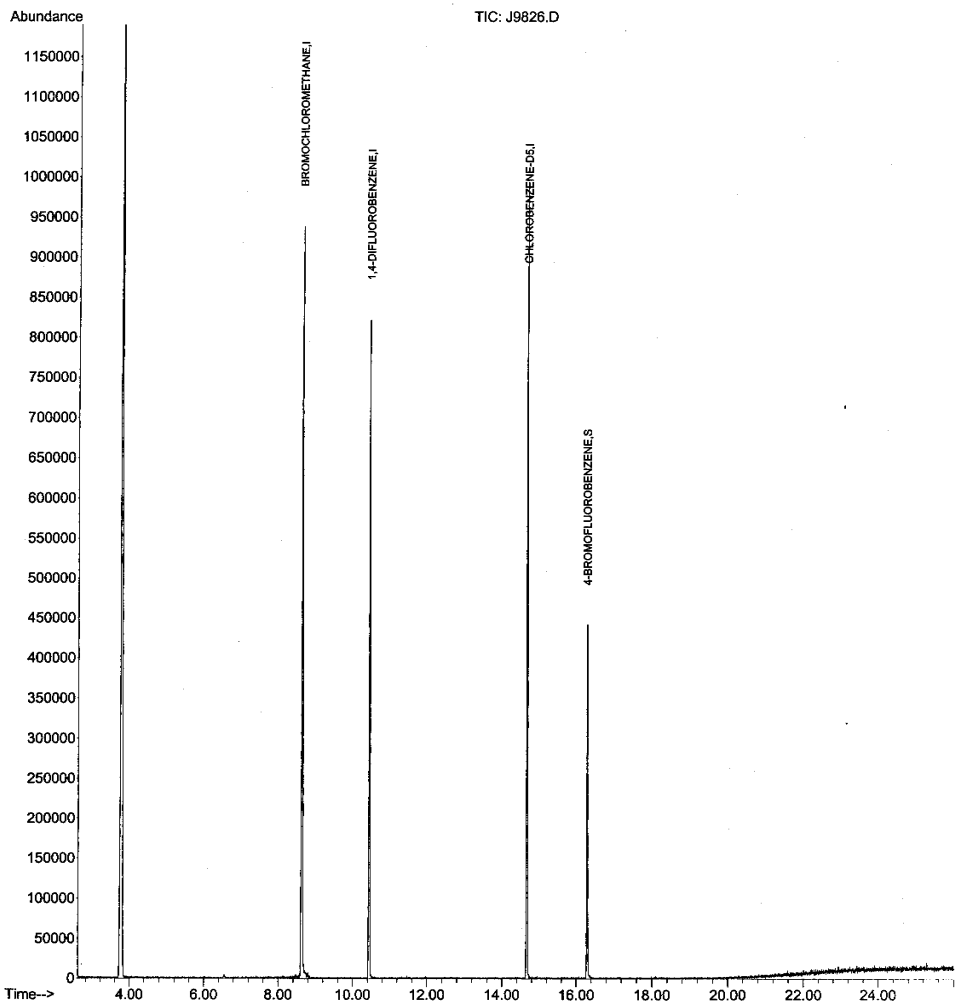
ACCUTEST Laboratories
M63981

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9826.D
Acq On : 29 Mar 2007 1:44 am
Operator : PhilipB
Sample : M63704-6 (M122)
Misc : MS13257, MSJ508,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 29 09:24:30 2007
Quant Method : C:\MSDCHEM\1\METHODS\J032207T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Mar 23 07:52:47 2007
Response via : Initial Calibration



J032207T.M Thu Mar 29 11:12:17 2007 Page: 2

4.1 4

M63981: Chain of Custody
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Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9670.D
Acq On : 14 Mar 2007 9:27 pm
Operator : PhilipB
Sample : M63393-3 (M144)
Misc : MS13188, MSJ500,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 15 09:09:29 2007
Quant Method : C:\MSDCHEM\1\METHODS\J031307T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Mar 14 10:54:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	113618	10.00 PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	313301	10.00 PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	231979	10.00 PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	57569	4.96 PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 99.20%

Target Compounds	Qvalue

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

031307T.M Thu Mar 15 09:09:41 2007 Page: 1

4.1 4

M63981: Chain of Custody
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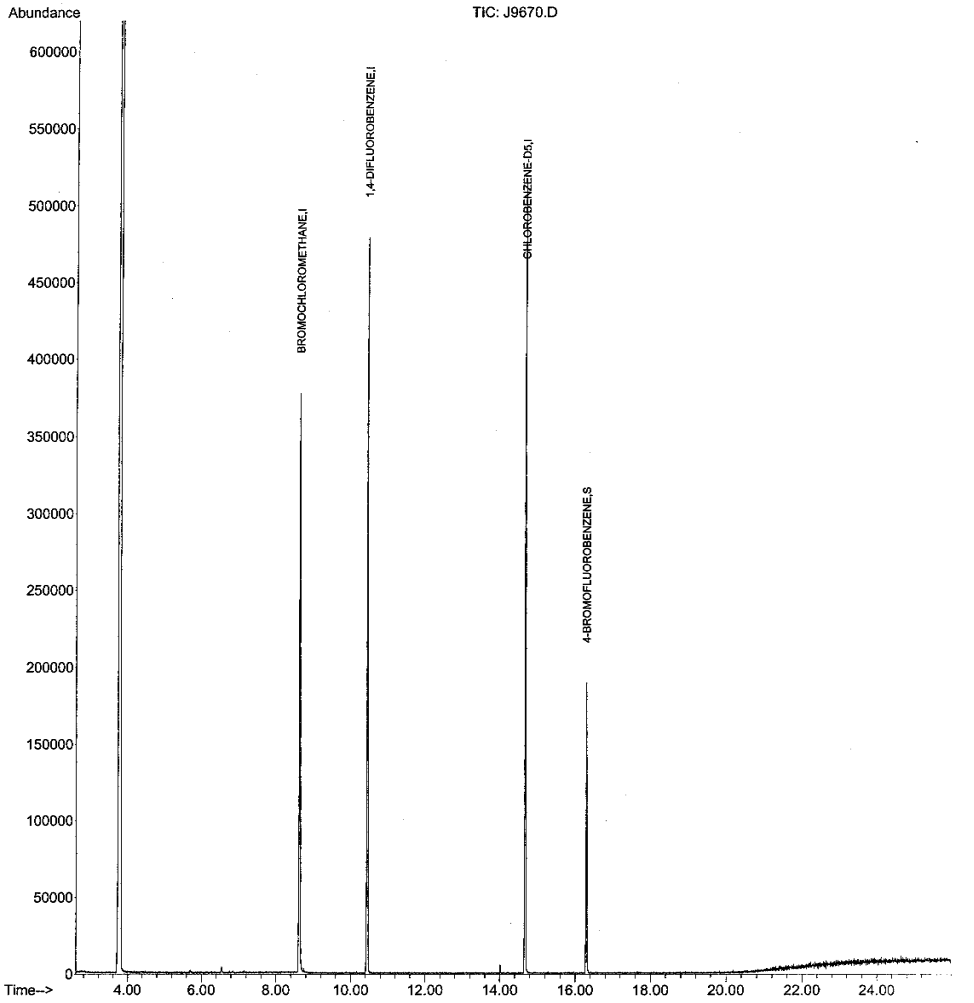
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9670.D
Acq On : 14 Mar 2007 9:27 pm
Operator : PhilipB
Sample : M63393-3 (M144)
Misc : MS13188, MSJ500,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 15 09:09:29 2007
Quant Method : C:\MSDCHEM\1\METHODS\J031307T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Mar 14 10:54:38 2007
Response via : Initial Calibration



J031307T.M Thu Mar 15 09:09:42 2007 Page: 2

4.1 4

M63981: Chain of Custody
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Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9702.D
Acq On : 16 Mar 2007 10:14 am
Operator : PhilipB
Sample : M63393-15 (M088)
Misc : MS13198, MSJ501,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 16 11:24:43 2007
Quant Method : C:\MSDCHEM\1\METHODS\J031307T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Mar 14 10:54:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	142619	10.00 PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	352036	10.00 PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	270265	10.00 PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	73861	5.46 PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 109.20%		

Target Compounds	Qvalue

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

031307T.M Fri Mar 16 11:25:12 2007 Page: 1

4.1 4

M63981: Chain of Custody

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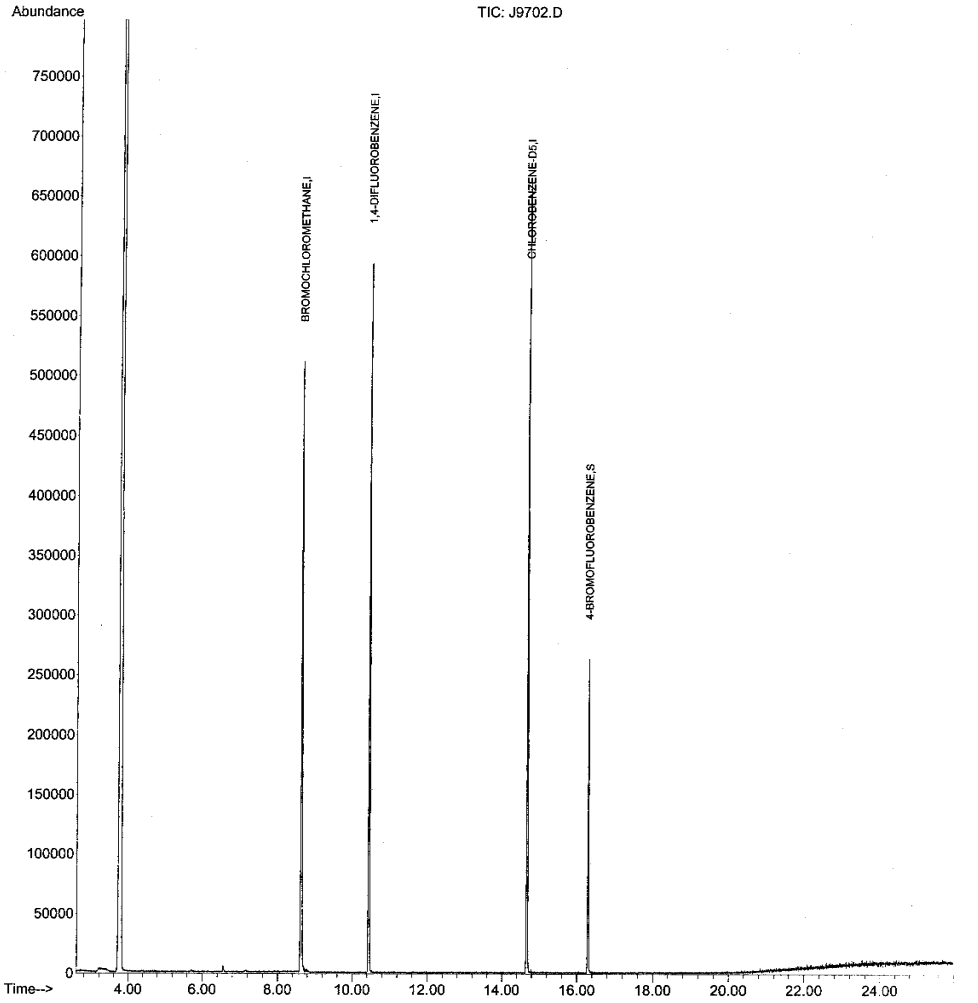
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9702.D
Acq On : 16 Mar 2007 10:14 am
Operator : PhilipB
Sample : M63393-15 (M088)
Misc : MS13198, MSJ501,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 16 11:24:43 2007
Quant Method : C:\MSDCHEM\1\METHODS\J031307T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Mar 14 10:54:38 2007
Response via : Initial Calibration



J031307T.M Fri Mar 16 11:25:13 2007 Page: 2

4.1 4

M63981: Chain of Custody
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Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9677.D
Acq On : 15 Mar 2007 3:03 am
Operator : PhilipB
Sample : M63393-10 (M012)
Misc : MS13188, MSJ500,,,,,1
ALS Vial : 3 Sample Multiplier: 1

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.63	128	107560	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	292045	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.68	117	216932	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.29	95	53409	4.92	PPBV	0.00

Spiked Amount 5.000 Range 51 - 142 Recovery = 98.40%

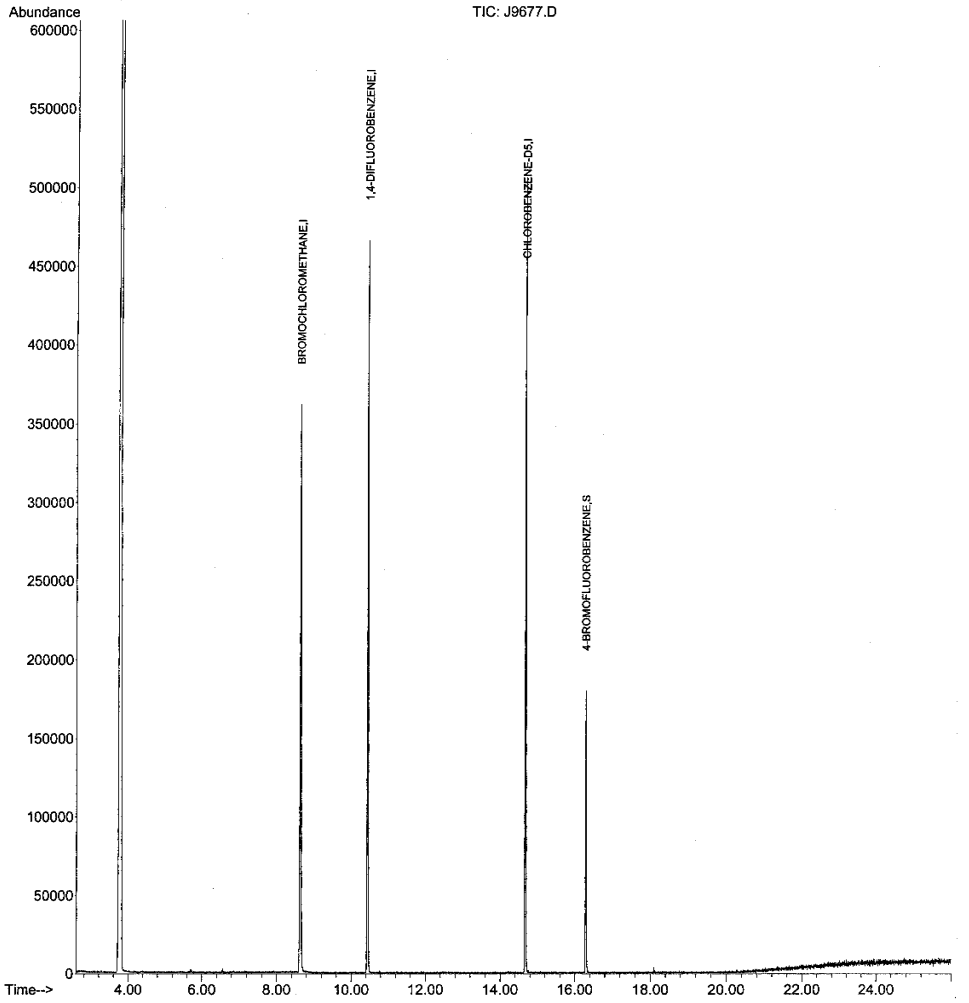
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J9677.D
Acq On : 15 Mar 2007 3:03 am
Operator : PhilipB
Sample : M63393-10 (M012)
Misc : MS13188, MSJ500,,,,,1
ALS Vial : 3 Sample Multiplier: 1

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



J031307T.M Thu Mar 15 09:14:19 2007 Page: 2

4.1 4

M63981: Chain of Custody
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Summa Canister and Flow Controller Log

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA
Received: 04/11/07

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
M147	6	29.4	03/19/07	PB	CP381		M63981-1	04/13/07	DFT	3			1
M081	6	29.4	03/29/07	PB	CP388		M63981-2	04/13/07	DFT	3			1
M162	6	29.4	03/19/07	PB	CP381		M63981-3	04/13/07	DFT	2			1
M122	6	29.4	03/29/07	PB	CP388		M63981-4	04/13/07	DFT	5			1
M144	6	29.4	03/19/07	PB	CP381		M63981-5	04/13/07	DFT	3			1
M088	6	29.4	03/19/07	PB	CP382		M63981-6	04/13/07	DFT	2			1
M012	6	29.4	03/19/07	PB	CP381		M63981-7	04/13/07	DFT	2			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC020	03/29/07	PB	80	1	04/18/07	PB	90.2
MC022	04/02/07	PB	80	1	04/18/07	PB	90.4
MC063	04/02/07	PB	80	1	04/18/07	PB	85.1
MC064	04/02/07	PB	80	1	04/18/07	PB	88.2
MC073	04/02/07	PB	80	1	04/18/07	PB	91.6
MC095	04/02/07	PB	80	1	04/18/07	PB	89.6
MC098	03/29/07	PB	80	1	04/18/07	PB	89.1

Accutest Bottle Order(s):
PB/3-19-07/GEI/TUFTS ST.
PB/3-29-07/GEI/TUFTS ST.
PB/4-2-07/GEI/TUFTS ST.

Prep Date	Room Temp(F)	Bar Pres "Hg
03/19/07	70	29.92
03/29/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M63981

Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M63981-1	Collected: 10-APR-07 10:00 By: SLS		Received: 11-APR-07 By: RS			
045162-MW106						
M63981-1	TO-15	13-APR-07 12:00	DFT			VTO15STD
M63981-2	Collected: 10-APR-07 10:14 By: SLS		Received: 11-APR-07 By: RS			
045162-MW107						
M63981-2	TO-15	13-APR-07 12:42	DFT			VTO15STD
M63981-3	Collected: 10-APR-07 10:23 By: SLS		Received: 11-APR-07 By: RS			
045162-MW108						
M63981-3	TO-15	13-APR-07 13:24	DFT			VTO15STD
M63981-4	Collected: 10-APR-07 11:27 By: SLS		Received: 11-APR-07 By: RS			
045162-MW113						
M63981-4	TO-15	13-APR-07 17:44	DFT			VTO15STD
M63981-5	Collected: 10-APR-07 12:52 By: SLS		Received: 11-APR-07 By: RS			
045162-MW114						
M63981-5	TO-15	13-APR-07 15:34	DFT			VTO15STD
M63981-6	Collected: 10-APR-07 13:09 By: SLS		Received: 11-APR-07 By: RS			
045162-MW115						
M63981-6	TO-15	13-APR-07 16:17	DFT			VTO15STD
M63981-7	Collected: 10-APR-07 13:57 By: SLS		Received: 11-APR-07 By: RS			
045162-MW109						
M63981-7	TO-15	13-APR-07 17:00	DFT			VTO15STD
M63981-7	TO-15	13-APR-07 19:10	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: M63981
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
MSQ172-MB	Q3222.D	1	04/13/07	DFT	n/a	n/a	MSQ172

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

M63981-1, M63981-2, M63981-3, M63981-4, M63981-5, M63981-6, M63981-7

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	91%	57-139%

Blank Spike Summary

Job Number: M63981
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
MSQ172-BS	Q3220A.D	1	04/13/07	DFT	n/a	n/a	MSQ172

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

M63981-1, M63981-2, M63981-3, M63981-4, M63981-5, M63981-6, M63981-7

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	10.9	109	70-130
56-23-5	Carbon tetrachloride	10	8.3	83	70-130
75-34-3	1,1-Dichloroethane	10	12.1	121	70-130
75-35-4	1,1-Dichloroethylene	10	9.1	91	70-130
107-06-2	1,2-Dichloroethane	10	8.9	89	70-130
156-60-5	trans-1,2-Dichloroethylene	10	10.8	108	70-130
156-59-2	cis-1,2-Dichloroethylene	10	8.4	84	70-130
71-55-6	1,1,1-Trichloroethane	10	8.6	86	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	8.7	87	70-130
79-00-5	1,1,2-Trichloroethane	10	7.9	79	70-130
127-18-4	Tetrachloroethylene	10	7.8	78	70-130
79-01-6	Trichloroethylene	10	9.2	92	70-130
75-01-4	Vinyl chloride	10	9.5	95	70-130

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

Duplicate Summary

Job Number: M63981
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
M63981-1DUP	Q3227.D	1	04/13/07	DFT	n/a	n/a	MSQ172
M63981-1	Q3223.D	1	04/13/07	DFT	n/a	n/a	MSQ172

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

M63981-1, M63981-2, M63981-3, M63981-4, M63981-5, M63981-6, M63981-7

CAS No.	Compound	M63981-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	0.64		0.66		3	25
75-35-4	1,1-Dichloroethylene	5.1		6.5		24	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	12.9		11.9		8	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
127-18-4	Tetrachloroethylene	2.1		2.7		25	25
79-01-6	Trichloroethylene	3.3		3.8		14	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M63981-1	Limits
460-00-4	4-Bromofluorobenzene	92%	98%	57-139%

Instrument Performance Check (BFB)

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

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

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

Instrument Performance Check (BFB)

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ172-BFB
Lab File ID: Q3220.D
Instrument ID: GCMSQ
Injection Date: 04/13/07
Injection Time: 09:31

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	89472	31.9		Pass
75	30.0 - 66.0% of mass 95	181632	64.8		Pass
95	Base peak, 100% relative abundance	280192	100.0		Pass
96	5.0 - 9.0% of mass 95	20544	7.3		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	199744	71.3		Pass
175	4.0 - 9.0% of mass 174	16560	5.9	(8.3) [a]	Pass
176	93.0 - 101.0% of mass 174	195520	69.8	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	15564	5.6	(8.0) [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
MSQ172-CC169	Q3220.D	04/13/07	09:31	00:00	Continuing cal 10
MSQ172-BS	Q3220A.D	04/13/07	09:31	00:00	Blank Spike
MSQ172-MB	Q3222.D	04/13/07	11:09	01:38	Method Blank
M63981-1	Q3223.D	04/13/07	12:00	02:29	045162-MW106
M63981-2	Q3224.D	04/13/07	12:42	03:11	045162-MW107
M63981-3	Q3225.D	04/13/07	13:24	03:53	045162-MW108
M63981-1DUP	Q3227.D	04/13/07	14:51	05:20	Duplicate
M63981-5	Q3228.D	04/13/07	15:34	06:03	045162-MW114
M63981-6	Q3229.D	04/13/07	16:17	06:46	045162-MW115
M63981-7	Q3230.D	04/13/07	17:00	07:29	045162-MW109
M63981-4	Q3231.D	04/13/07	17:44	08:13	045162-MW113
ZZZZZZ	Q3232.D	04/13/07	18:27	08:56	(unrelated sample)
M63981-7	Q3233.D	04/13/07	19:10	09:39	045162-MW109

Volatile Internal Standard Area Summary

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSQ172-CC169	**Injection Date:**	04/13/07
Lab File ID:	Q3220.D	**Injection Time:**	09:31
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	308283	8.64	1451363	10.47	1235078	14.72
Upper Limit [a]	431596	8.97	2031908	10.80	1729109	15.05
Lower Limit [b]	184970	8.31	870818	10.14	741047	14.39

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ172-BS	308283	8.64	1451363	10.47	1235078	14.72
MSQ172-MB	281786	8.65	1334811	10.47	1095498	14.72
M63981-1	274765	8.64	1329887	10.47	1116525	14.72
M63981-2	277792	8.65	1185057	10.47	906647	14.72
M63981-3	205882	8.65	978731	10.48	820224	14.72
M63981-1DUP	296561	8.64	1265755	10.47	983531	14.72
M63981-5	320030	8.64	1444251	10.48	1159689	14.72
M63981-6	295501	8.64	1392407	10.47	1134381	14.72
M63981-7	263597	8.64	1206683	10.47	990004	14.72
M63981-4	402660	8.64	1986036	10.48	1712052	14.72
ZZZZZZ	312755	8.64	1400757	10.47	1111328	14.72
M63981-7	212549	8.67	982257	10.49	760395	14.73

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M63981
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

Volatile Surrogate Recovery Summary

Job Number: M63981
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
M63981-1	Q3223.D	98.0
M63981-2	Q3224.D	87.0
M63981-3	Q3225.D	100.0
M63981-4	Q3231.D	123.0
M63981-5	Q3228.D	95.0
M63981-6	Q3229.D	92.0
M63981-7	Q3233.D	60.0
M63981-7	Q3230.D	88.0
M63981-1DUP	Q3227.D	92.0
MSQ172-BS	Q3220A.D	108.0
MSQ172-MB	Q3222.D	91.0

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

Initial Calibration Summary

Job Number: M63981 **Sample:** MSQ169-ICC169
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3165.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MAMSQ

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

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

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

Initial Calibration Summary

Job Number: M63981 **Sample:** MSQ169-ICC169
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3165.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

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

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

          Q040907T.m        Tue Apr 10 11:46:31 2007   RPT1
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Initial Calibration Verification

Job Number: M63981 **Sample:** MSQ169-ICV169
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3171.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

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

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

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

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

Initial Calibration Verification

Job Number: M63981 **Sample:** MSQ169-ICV169
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3171.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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

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

Continuing Calibration Summary

Job Number: M63981 **Sample:** MSQ172-CC169
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3220.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\Q3220.D                    Vial: 1
Acq On    : 13 Apr 2007   9:31 am                   Operator: DANAT
Sample    : cc169-10 (M119)                         Inst    : MAMSQ
Misc      : MS13343,MSQ172,,,,,1                    Multiplr: 1.00
MS Integration Params: LSCINT.P

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	104	0.00	8.43- 8.84
2	m	DICHLORODIFLUOROMETHAN	5.590	4.676	16.4	94	0.00	3.83- 4.24
3	m	PROPYLENE	0.760	0.804	-5.8	111	0.00	3.76- 4.17
4	m	FREON 114	4.363	3.631	16.8	85	0.00	4.09- 4.50
5	m	CHLOROMETHANE	1.006	1.030	-2.4	105	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.164	1.109	4.7	93	0.00	4.21- 4.62
7	m	1,3-BUTADIENE	0.965	1.091	-13.1	108	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.327	1.108	16.5	83	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.481	0.522	-8.5	101	0.00	4.81- 5.22
10	m	TRICHLOROFLUOROMETHANE	5.522	4.389	20.5	86	0.00	5.59- 6.00
		----------	True	Calc.	% Drift			----------
11	m	ISOPROPYL ALCOHOL	10.000	10.540	-5.4	102	0.00	5.59- 6.07
12	m	ACETONE	10.000	11.747	-17.5	114	0.00	5.39- 5.80
		----------	AvgRF	CCRF	% Dev			----------
13	m	PENTANE	1.192	1.211	-1.6	112	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	1.316	1.194	9.3	96	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	3.637	3.739	-2.8	107	0.00	6.65- 7.07
		----------	True	Calc.	% Drift			----------
16	m	ETHANOL	10.000	11.671	-16.7	111	0.00	4.87- 5.33
		----------	AvgRF	CCRF	% Dev			----------
17	m	BROMOETHENE	1.315	1.090	17.1	83	0.00	5.17- 5.58
		----------	True	Calc.	% Drift			----------
18	m	METHYLENE CHLORIDE	10.000	11.235	-12.3	106	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev			----------
19	m	3-CHLOROPROPENE	1.168	1.368	-17.1	123	0.00	6.46- 6.87
20	m	FREON 113	2.749	2.252	18.1	88	0.00	6.59- 7.01
21	m	TRANS-1,2-DICHLOROETHY	1.141	1.234	-8.2	98	0.00	7.27- 7.68
22	m	TERTIARY BUTYL ALCOHOL	2.540	2.468	2.8	97	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	2.613	2.713	-3.8	90	0.00	7.51- 7.92
24	m	TETRAHYDROFURAN	0.751	0.794	-5.7	99	0.00	9.00- 9.29
25	m	HEXANE	1.526	1.256	17.7	95	0.00	8.47- 8.88
26	m	VINYL ACETATE	1.899	2.345	-23.5	113	0.00	7.62- 7.97
27	m	1,1-DICHLOROETHANE	2.063	2.487	-20.6	115	0.00	7.47- 7.88
28	m	METHYL ETHYL KETONE	1.812	1.750	3.4	103	0.00	7.80- 8.28
29	m	cis-1,2-DICHLOROETHYLE	0.970	0.816	15.9	82	0.00	8.27- 8.69
30	m	ETHYL ACETATE	2.905	3.034	-4.4	112	0.00	8.46- 8.89

Continuing Calibration Summary

Job Number: M63981 **Sample:** MSQ172-CC169
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3220.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

31	m	CHLOROFORM	3.006	2.620	12.8	93	0.00	8.56- 8.97
32	m	1,1,1-TRICHLOROETHANE	3.183	2.728	14.3	91	0.00	9.51- 9.92
33	m	CARBON TETRACHLORIDE	3.856	3.204	16.9	85	0.00	10.09-10.51
34	m	1,2-DICHLOROETHANE	2.008	1.780	11.4	98	0.00	9.27- 9.68
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	106	0.00	10.27-10.68
36	m	BENZENE	0.557	0.455	18.3	87	0.00	9.95-10.36
37	m	CYCLOHEXANE	0.234	0.202	13.7	82	0.00	10.22-10.63
38	m	TRICHLOROETHYLENE	0.335	0.308	8.1	94	0.00	11.00-11.31
39	m	1,2-DICHLOROPROPANE	0.198	0.167	15.7	88	0.00	10.73-11.14
40	m	BROMODICHLOROMETHANE	0.569	0.526	7.6	96	0.00	10.96-11.27
41	m	2,2,4-TRIMETHYLPENTANE	0.899	0.937	-4.2	104	0.00	10.97-11.38
42	m	1,4-DIOXANE	0.082	0.091	-11.0	118	0.00	10.88-11.41
43	m	HEPTANE	0.312	0.368	-17.9	113	0.00	11.26-11.57
44	m	METHYL ISOBUTYL KETONE	0.404	0.477	-18.1	113	0.00	11.77-12.21
45	m	cis-1,3-DICHLOROPROPEN	0.307	0.259	15.6	83	0.00	11.77-12.18
46	m	TOLUENE	0.370	0.286	22.7	77	0.00	12.73-13.14
47	m	trans-1,3-DICHLOROPROP	0.238	0.245	-2.9	102	0.00	12.32-12.63
48	m	1,1,2-TRICHLOROETHANE	0.217	0.172	20.7	83	0.00	12.48-12.84
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	103	0.00	14.57-14.88
50	m	2-HEXANONE	0.340	0.464	-36.5#	144#	0.00	12.96-13.36
51	m	TETRACHLOROETHYLENE	0.380	0.297	21.8	77	0.00	13.87-14.28
52	m	DIBROMOCHLOROMETHANE	0.595	0.510	14.3	84	0.00	13.18-13.55
53	m	1,2-DIBROMOETHANE	0.440	0.343	22.0	82	0.00	13.46-13.77
54	m	CHLOROBENZENE	0.611	0.492	19.5	81	0.00	14.61-14.92
55	m	ETHYLBENZENE	0.962	0.808	16.0	76	0.00	14.97-15.33
56	m	m,p-XYLENE	0.346	0.298	13.9	78	0.00	15.16-15.52
57	m	o-XYLENE	0.362	0.310	14.4	79	0.00	15.66-16.02
58	m	STYRENE	0.431	0.398	7.7	80	0.00	15.57-15.88
59	m	NONANE	0.488	0.590	-20.9	110	0.00	15.89-16.20
60	m	BROMOFORM	0.548	0.455	17.0	76	0.00	15.28-15.59
61	S	4-BROMOFLUOROBENZENE	0.803	0.871	-8.5	110	0.00	16.19-16.50
62	m	1,1,2,2-TETRACHLOROETH	0.636	0.550	13.5	83	0.00	15.67-15.98
63	m	ISOPROPYLBENZENE	1.154	0.946	18.0	76	0.00	16.33-16.64
64	m	2-CHLOROTOLUENE	0.833	0.739	11.3	80	0.00	16.83-17.24
65	m	4-ETHYLTOLUENE	0.870	0.897	-3.1	90	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	0.925	0.850	8.1	80	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	0.803	0.816	-1.6	90	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	0.487	0.483	0.8	94	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	0.390	0.515	-32.1#	115	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	0.429	0.453	-5.6	98	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	0.497	0.475	4.4	90	0.00	18.26-18.57
			True	Calc.	% Drift			
72	m	HEXACHLOROBUTADIENE	10.000	12.348	-23.5	110	0.00	20.61-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	21.364	-113.6#	203	0.00	20.12-20.53
			AvgRF	CCRF	% Dev			
74		Naphthalene	0.000	0.000	0.0	0#	0.00	19.98-20.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3165.D Q040907T.m Mon Apr 16 15:14:18 2007 RPT1

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3223.D
Acq On : 13 Apr 2007 12:00 pm
Operator : DANAT
Sample : m63981-1 (M147)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 16 15:18:58 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.642	128	274765	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	1329887	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	1116525	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	440156	4.91	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 98.20%

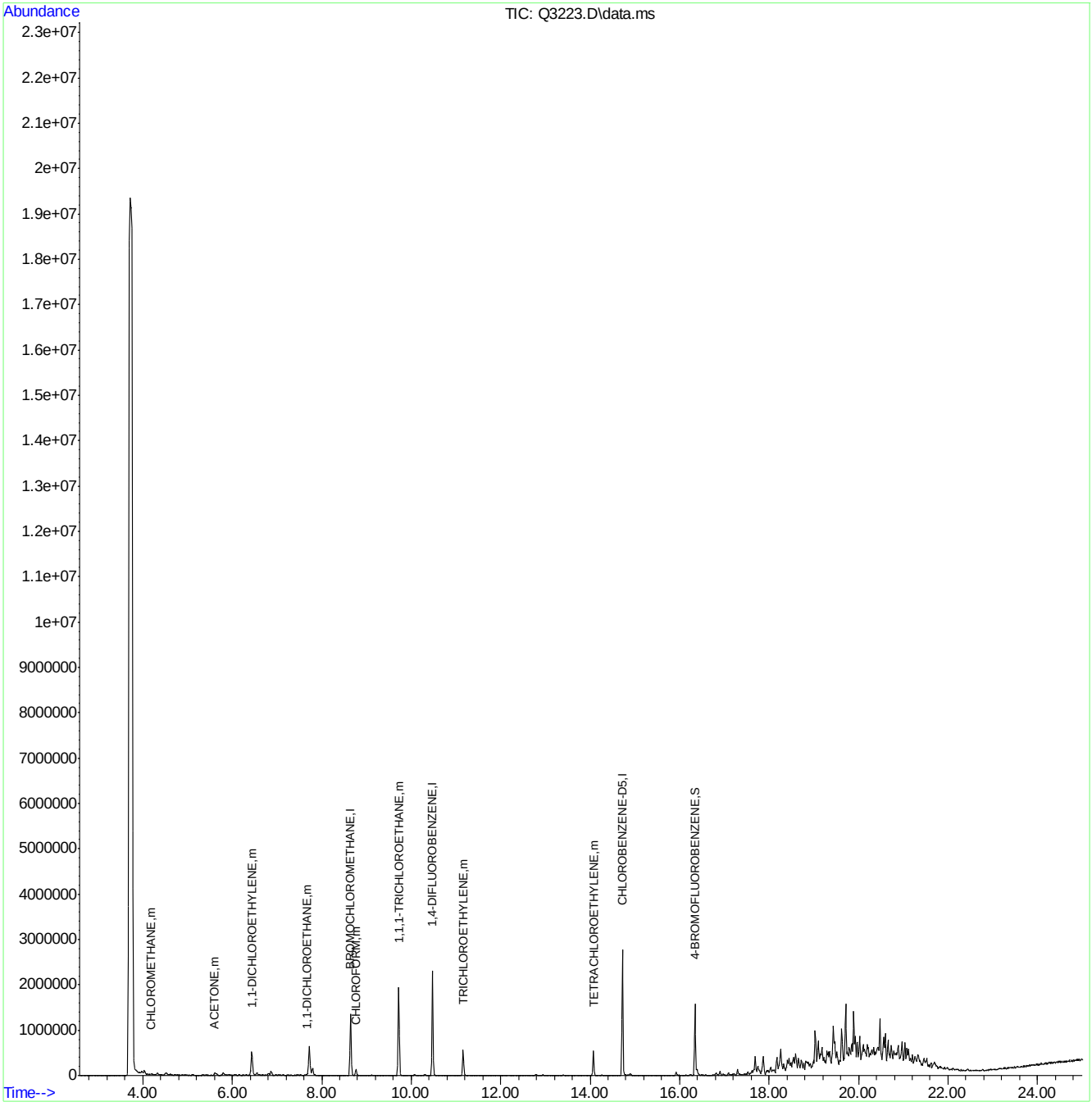
Target Compounds						Qvalue
5) CHLOROMETHANE	4.189	50	10408	0.38	PPBV	79
12) ACETONE	5.604	43	94253	1.56	PPBV	93
14) 1,1-DICHLOROETHYLENE	6.433	96	183748	5.08	PPBV #	82
27) 1,1-DICHLOROETHANE	7.673	63	36372	0.64	PPBV	96
31) CHLOROFORM	8.765	83	80569	0.98	PPBV	92
32) 1,1,1-TRICHLOROETHANE	9.719	97	1128135	12.90	PPBV	96
38) TRICHLOROETHYLENE	11.164	95	147805	3.32	PPBV	95
51) TETRACHLOROETHYLENE	14.073	164	87331	2.06	PPBV	98

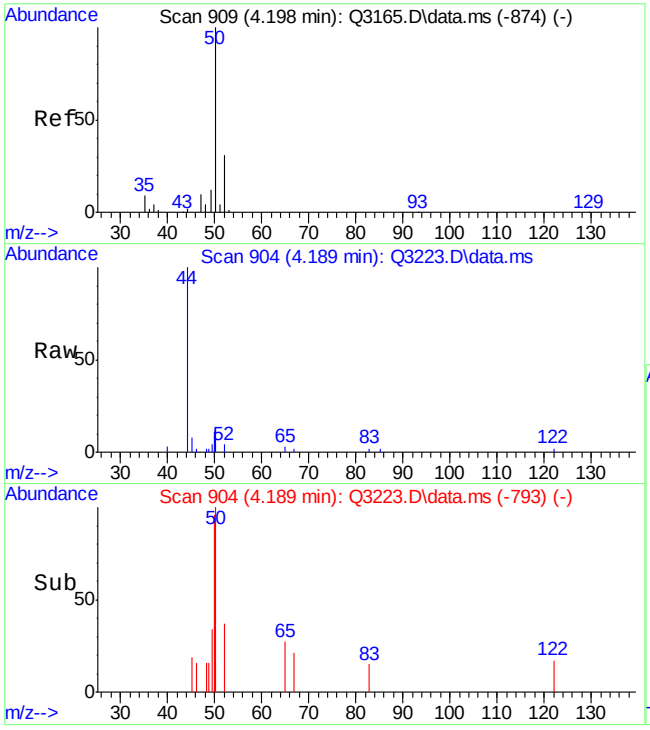
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3223.D
Acq On : 13 Apr 2007 12:00 pm
Operator : DANAT
Sample : m63981-1 (M147)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 16 15:18:58 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

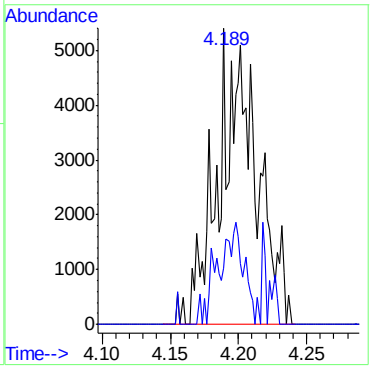


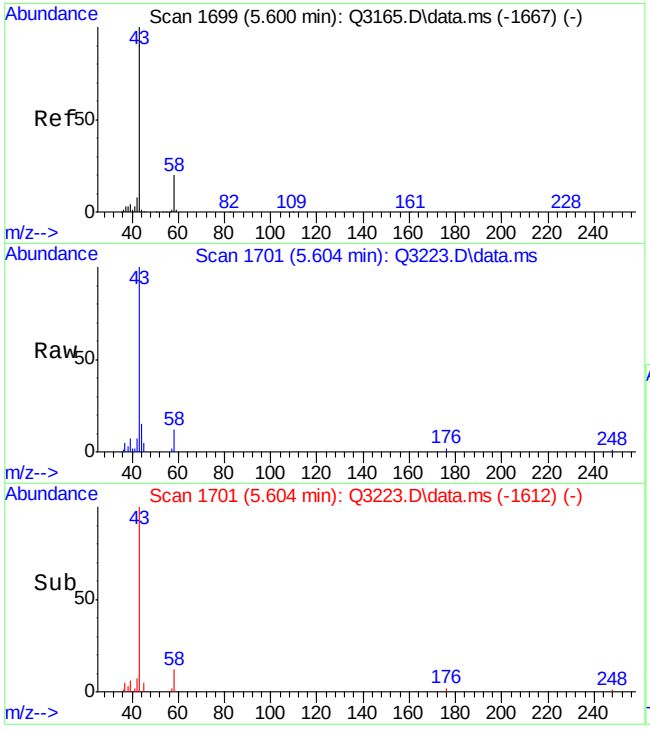


#5
CHLOROMETHANE
Concen: 0.38 PPBV
RT: 4.189 min Scan# 904
Delta R.T. -0.009 min
Lab File: Q3223.D
Acq: 13 Apr 2007 12:00 pm

Tgt Ion: 50 Resp: 10408

Ion	Ratio	Lower	Upper
50	100		
52	19.1	10.8	50.8

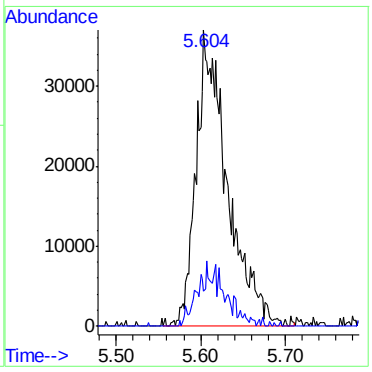


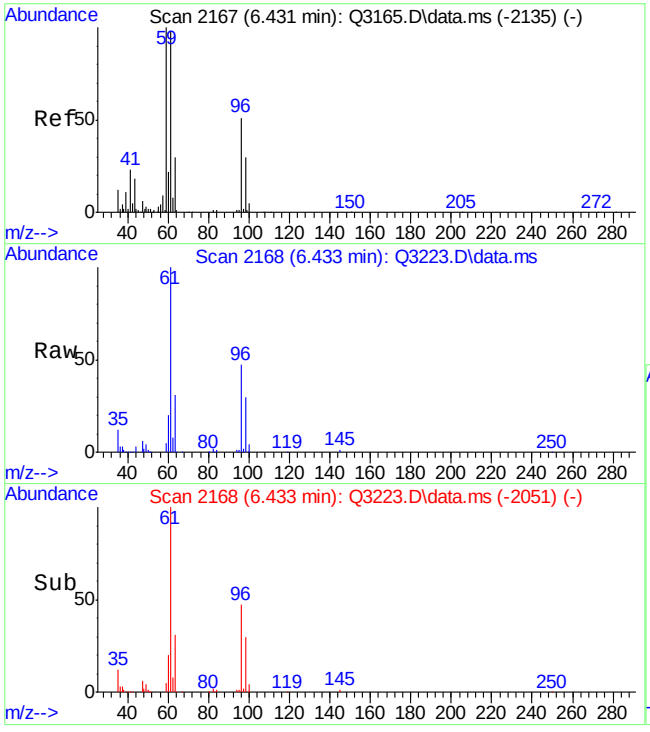


#12
ACETONE
Concen: 1.56 PPBV
RT: 5.604 min Scan# 1701
Delta R.T. 0.004 min
Lab File: Q3223.D
Acq: 13 Apr 2007 12:00 pm

Tgt Ion: 43 Resp: 94253

Ion	Ratio	Lower	Upper
43	100		
58	18.3	1.6	41.6

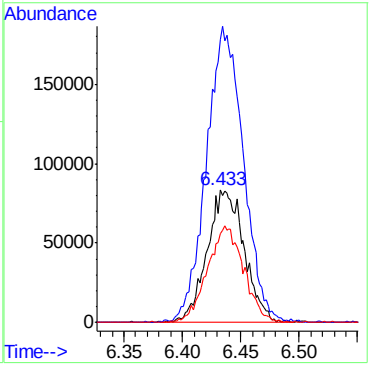


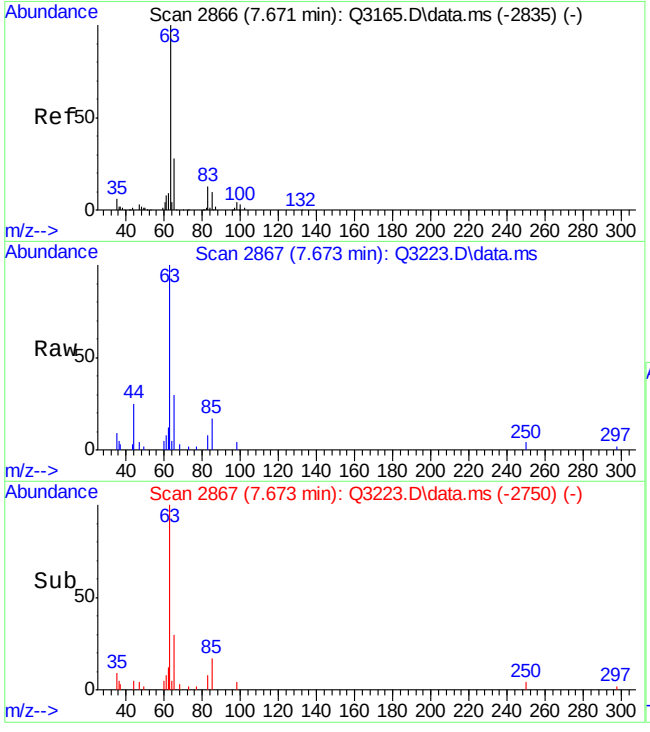


#14
1,1-DICHLOROETHYLENE
Concen: 5.08 PPBV
RT: 6.433 min Scan# 2168
Delta R.T. 0.002 min
Lab File: Q3223.D
Acq: 13 Apr 2007 12:00 pm

Tgt Ion: 96 Resp: 183748

Ion	Ratio	Lower	Upper
96	100		
61	223.2	174.0	214.0#
63	70.7	41.7	81.7

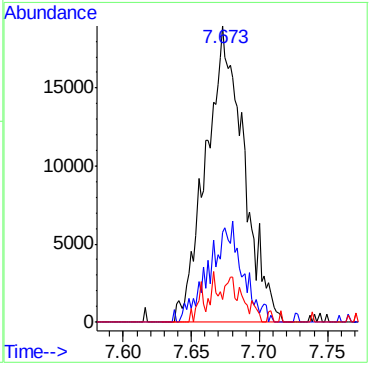


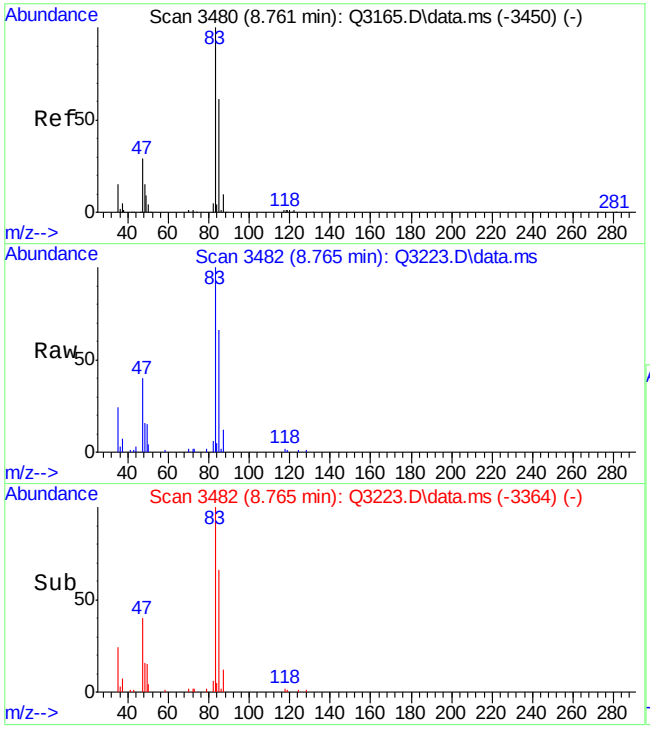


#27
1,1-DICHLOROETHANE
Concen: 0.64 PPBV
RT: 7.673 min Scan# 2867
Delta R.T. 0.002 min
Lab File: Q3223.D
Acq: 13 Apr 2007 12:00 pm

Tgt Ion: 63 Resp: 36372

Ion	Ratio	Lower	Upper
63	100		
65	30.0	11.9	51.9
83	13.7	0.0	35.3

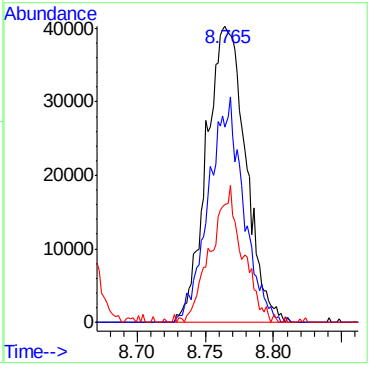


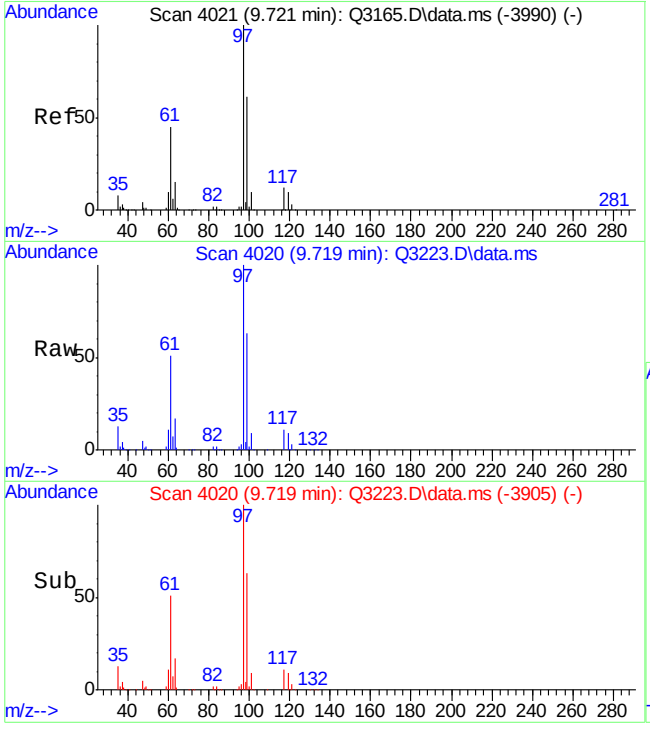


#31
CHLOROFORM
Concen: 0.98 PPBV
RT: 8.765 min Scan# 3482
Delta R.T. 0.004 min
Lab File: Q3223.D
Acq: 13 Apr 2007 12:00 pm

Tgt Ion: 83 Resp: 80569

Ion	Ratio	Lower	Upper
83	100		
85	67.9	45.0	85.0
47	37.5	8.6	48.6

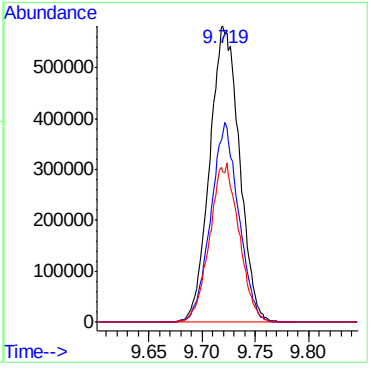


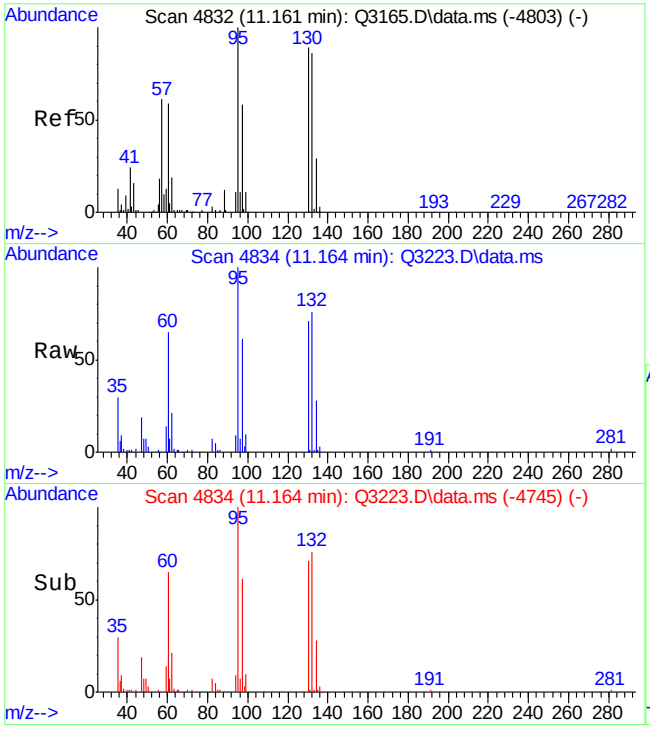


#32
1,1,1-TRICHLOROETHANE
Concen: 12.90 PPBV
RT: 9.719 min Scan# 4020
Delta R.T. -0.002 min
Lab File: Q3223.D
Acq: 13 Apr 2007 12:00 pm

Tgt Ion: 97 Resp: 1128135

Ion	Ratio	Lower	Upper
97	100		
99	63.4	43.4	83.4
61	52.8	26.1	66.1

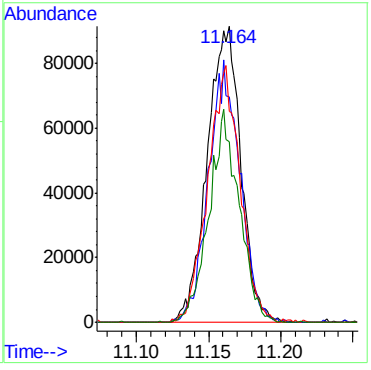


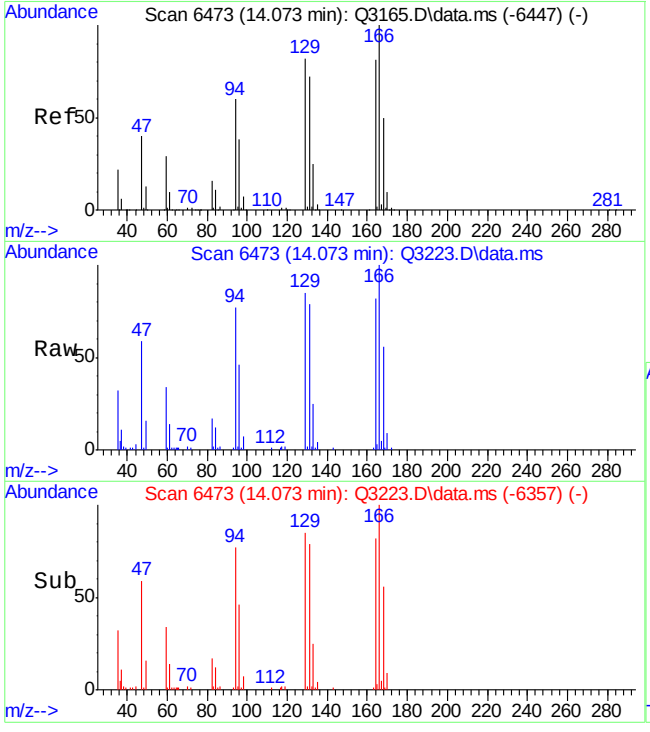


#38
TRICHLOROETHYLENE
Concen: 3.32 PPBV
RT: 11.164 min Scan# 4834
Delta R.T. 0.004 min
Lab File: Q3223.D
Acq: 13 Apr 2007 12:00 pm

Tgt Ion: 95 Resp: 147805

Ion	Ratio	Lower	Upper
95	100		
132	83.0	67.9	107.9
130	83.3	71.5	111.5
97	64.5	44.4	84.4

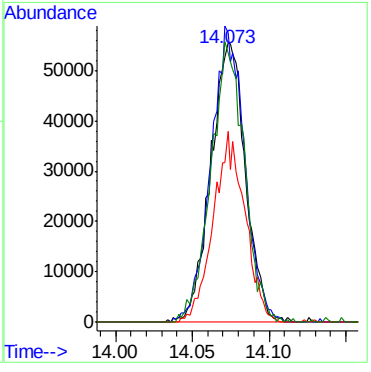




#51
TETRACHLOROETHYLENE
Concen: 2.06 PPBV
RT: 14.073 min Scan# 6473
Delta R.T. 0.000 min
Lab File: Q3223.D
Acq: 13 Apr 2007 12:00 pm

Tgt Ion:164 Resp: 87331

Ion	Ratio	Lower	Upper
164	100		
129	102.3	79.9	119.9
168	61.8	42.7	82.7
131	96.4	74.8	114.8



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
04/16/07 16:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3224.D
Acq On : 13 Apr 2007 12:42 pm
Operator : DANAT
Sample : m63981-2 (M081)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 16 15:20:58 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

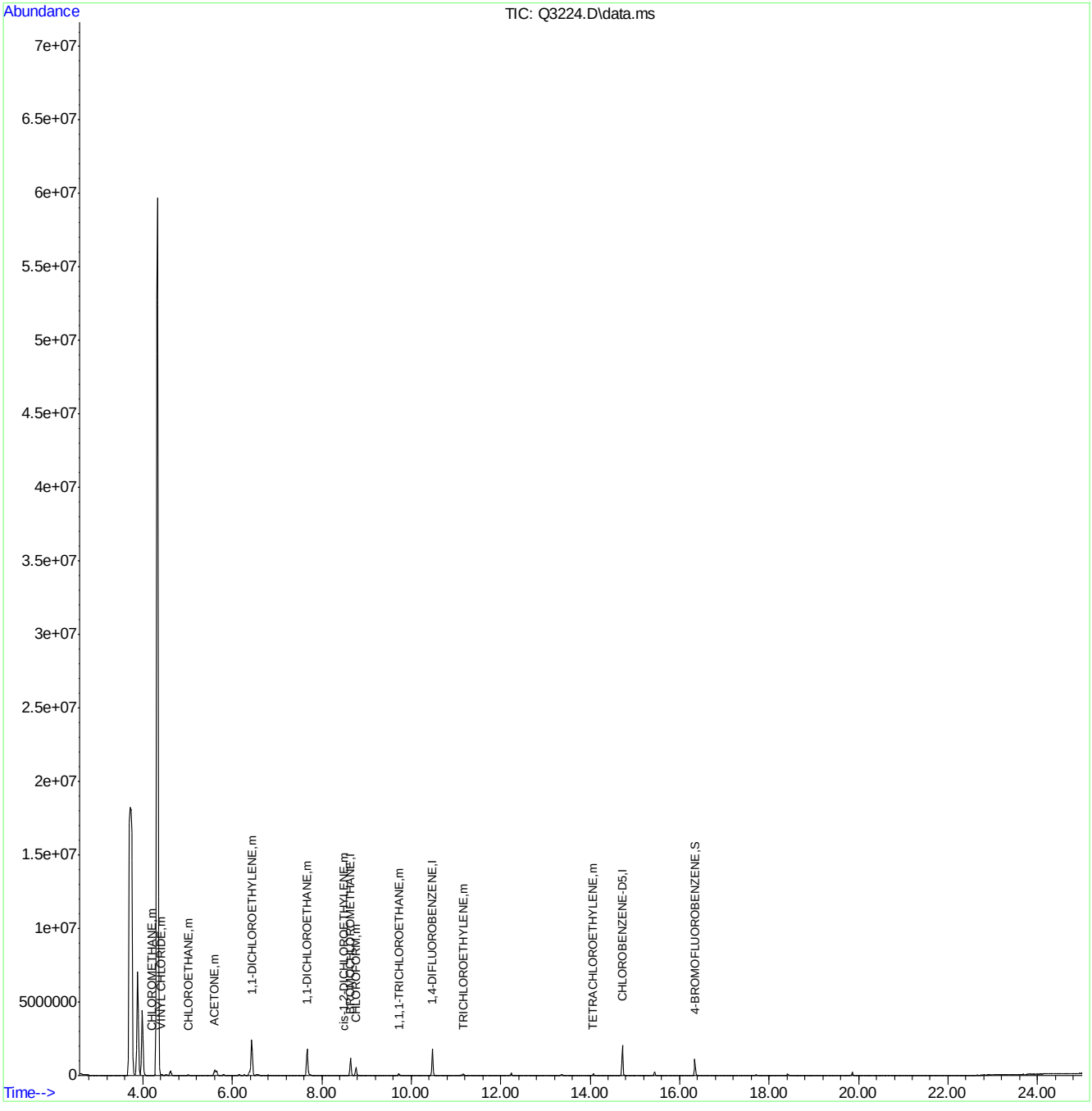
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.646	128	277792	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	1185057	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	906647	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.339	95	316883	4.35	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 87.00%			
Target Compounds						Qvalue
5) CHLOROMETHANE	4.198	50	17520	0.63	PPBV	97
6) VINYL CHLORIDE	4.422	62	72825	2.25	PPBV	98
9) CHLOROETHANE	5.011	64	40163	3.01	PPBV	83
12) ACETONE	5.604	43	564062m	12.29	PPBV	
14) 1,1-DICHLOROETHYLENE	6.436	96	992372	27.15	PPBV	95
27) 1,1-DICHLOROETHANE	7.673	63	1738615	30.34	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.486	96	4233	0.16	PPBV	92
31) CHLOROFORM	8.763	83	404992	4.85	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.721	97	71595	0.81	PPBV	95
38) TRICHLOROETHYLENE	11.162	95	29989	0.76	PPBV	97
51) TETRACHLOROETHYLENE	14.068	164	21215	0.62	PPBV	96

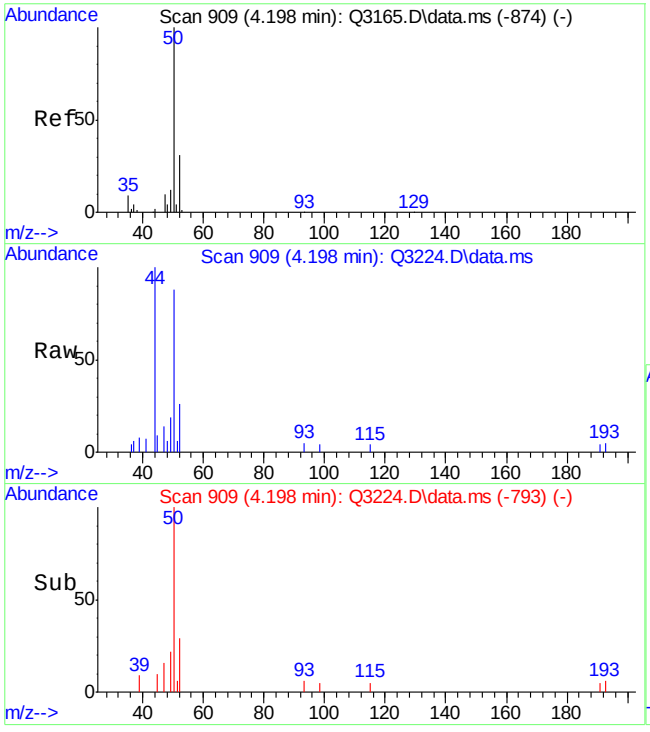
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3224.D
Acq On : 13 Apr 2007 12:42 pm
Operator : DANAT
Sample : m63981-2 (M081)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 16 15:20:58 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

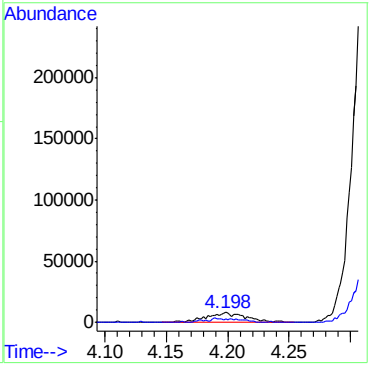


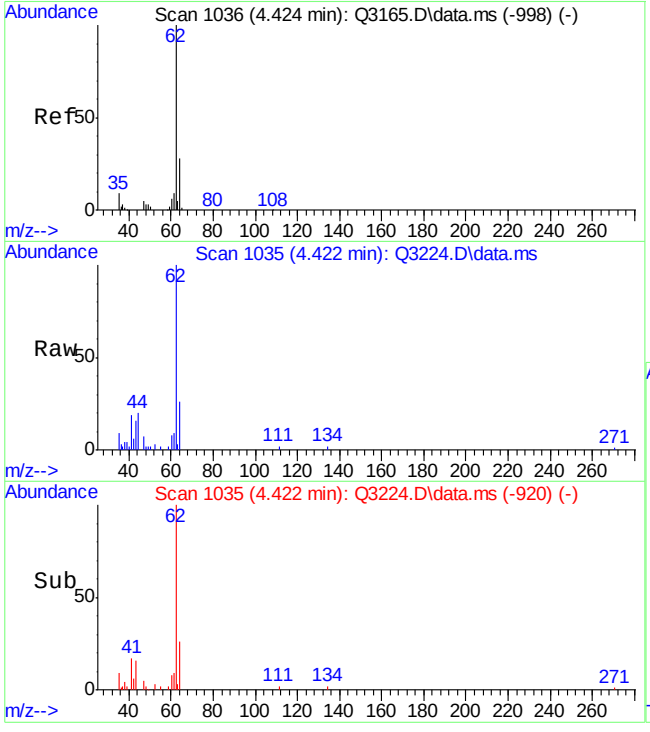


#5
CHLOROMETHANE
Concen: 0.63 PPBV
RT: 4.198 min Scan# 909
Delta R.T. 0.000 min
Lab File: Q3224.D
Acq: 13 Apr 2007 12:42 pm

Tgt Ion: 50 Resp: 17520

Ion	Ratio	Lower	Upper
50	100		
52	29.3	10.8	50.8

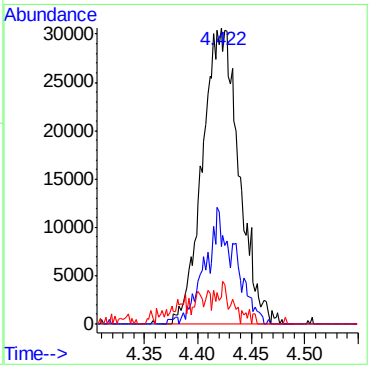


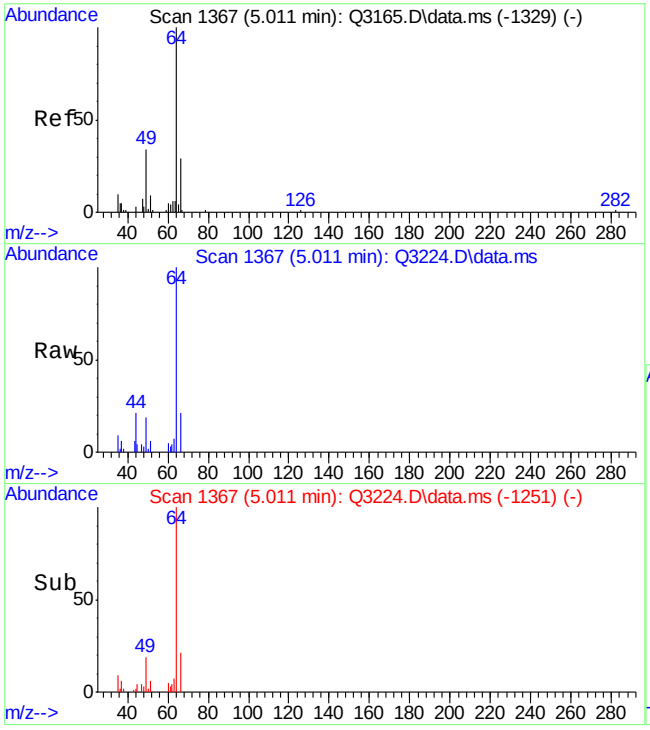


#6
VINYL CHLORIDE
Concen: 2.25 PPBV
RT: 4.422 min Scan# 1035
Delta R.T. -0.002 min
Lab File: Q3224.D
Acq: 13 Apr 2007 12:42 pm

Tgt Ion: 62 Resp: 72825

Ion	Ratio	Lower	Upper
62	100		
64	32.2	11.2	51.2
61	10.6	0.0	28.9

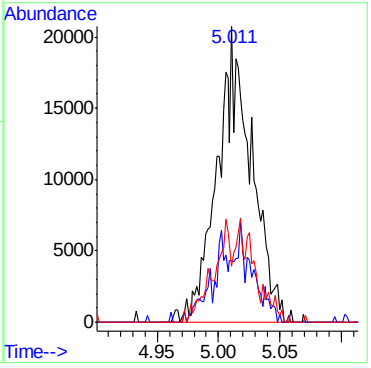


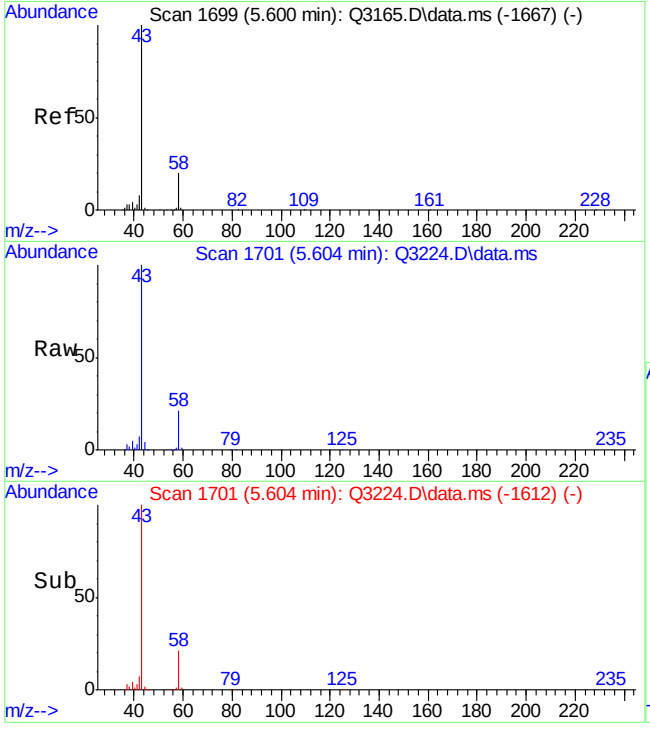


#9
CHLOROETHANE
Concen: 3.01 PPBV
RT: 5.011 min Scan# 1367
Delta R.T. 0.000 min
Lab File: Q3224.D
Acq: 13 Apr 2007 12:42 pm

Tgt Ion: 64 Resp: 40163

Ion	Ratio	Lower	Upper
64	100		
66	15.4	13.0	53.0
49	37.8	15.8	55.8

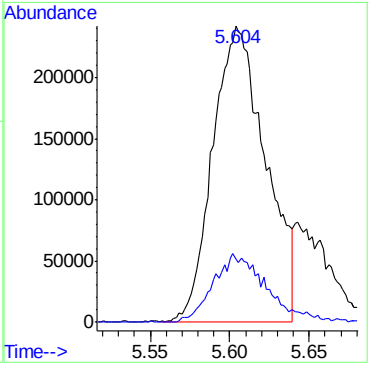


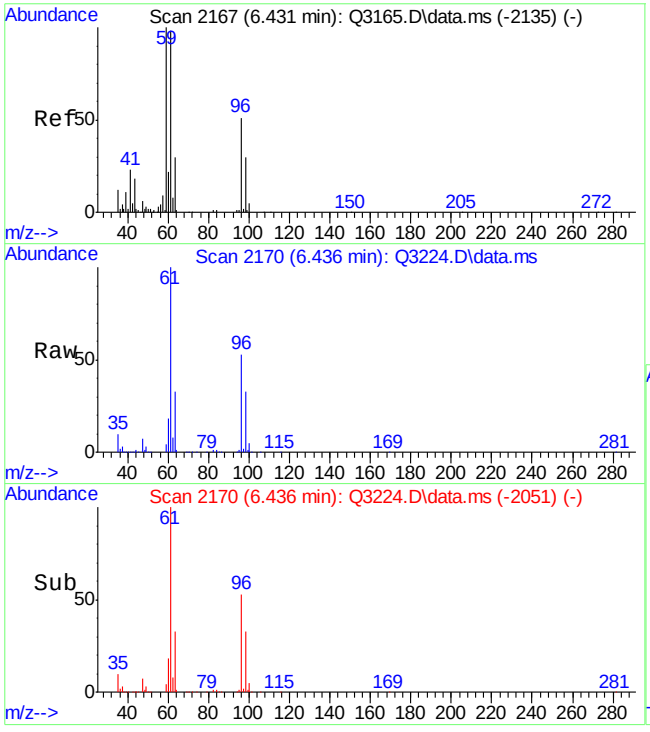


#12
ACETONE
Concen: 12.29 PPBV m
RT: 5.604 min Scan# 1701
Delta R.T. 0.004 min
Lab File: Q3224.D
Acq: 13 Apr 2007 12:42 pm

Tgt Ion: 43 Resp: 564062

Ion	Ratio	Lower	Upper
43	100		
58	23.1	1.6	41.6

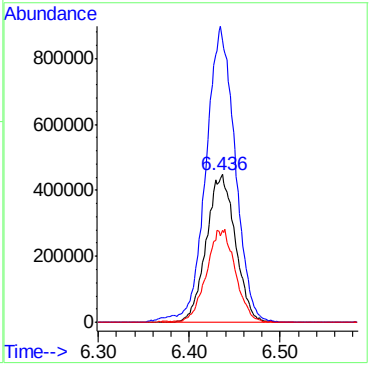


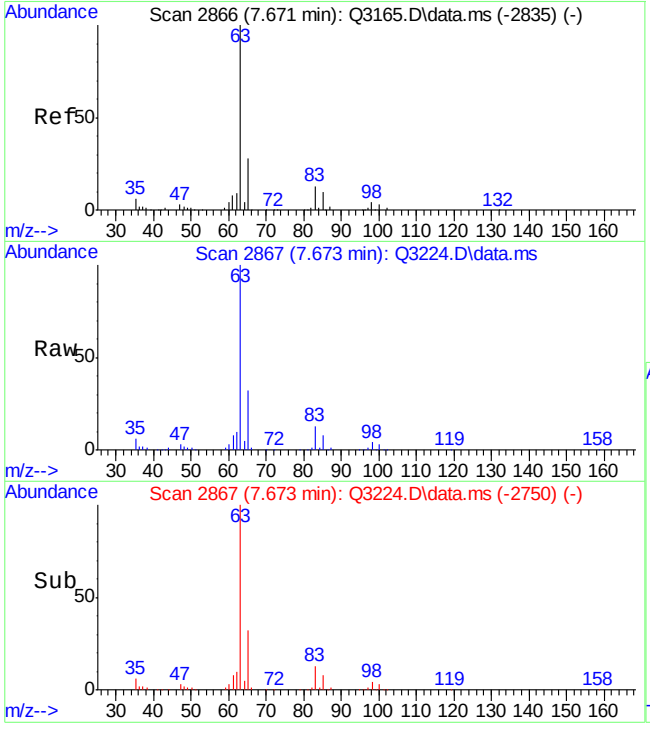


#14
1,1-DICHLOROETHYLENE
Concen: 27.15 PPBV
RT: 6.436 min Scan# 2170
Delta R.T. 0.005 min
Lab File: Q3224.D
Acq: 13 Apr 2007 12:42 pm

Tgt Ion: 96 Resp: 992372

Ion	Ratio	Lower	Upper
96	100		
61	202.5	174.0	214.0
63	63.2	41.7	81.7

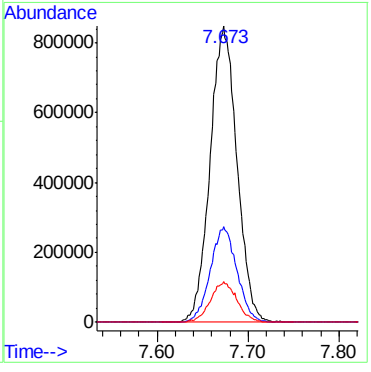


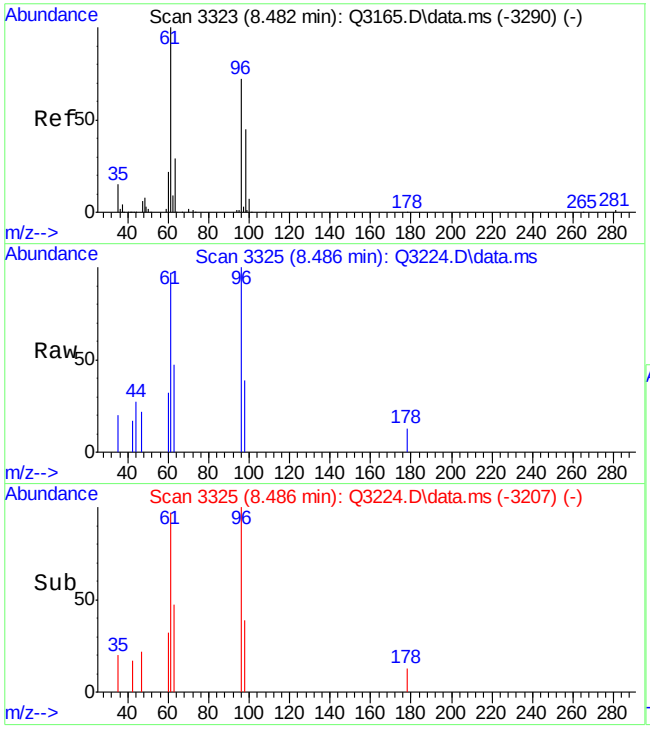


#27
1,1-DICHLOROETHANE
Concen: 30.34 PPBV
RT: 7.673 min Scan# 2867
Delta R.T. 0.002 min
Lab File: Q3224.D
Acq: 13 Apr 2007 12:42 pm

Tgt Ion: 63 Resp: 1738615

Ion	Ratio	Lower	Upper
63	100		
65	31.8	11.9	51.9
83	13.3	0.0	35.3

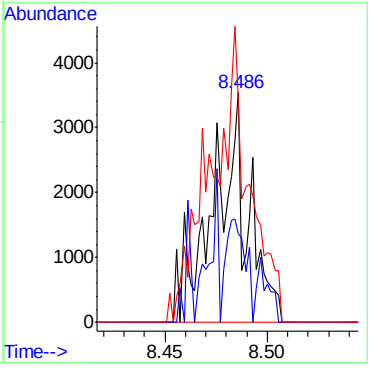


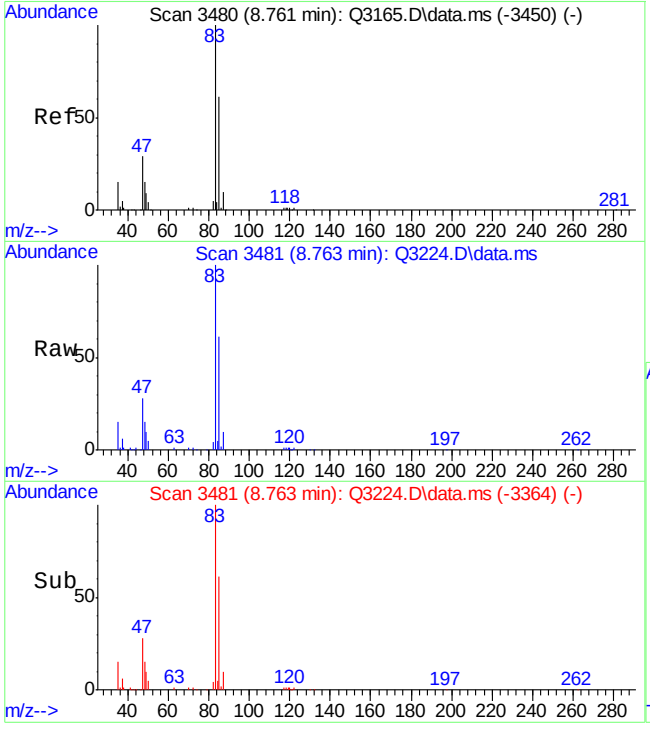


#29
cis-1,2-DICHLOROETHYLENE
Concen: 0.16 PPBV
RT: 8.486 min Scan# 3325
Delta R.T. 0.004 min
Lab File: Q3224.D
Acq: 13 Apr 2007 12:42 pm

Tgt Ion: 96 Resp: 4233

Ion	Ratio	Lower	Upper
96	100		
98	57.3	43.8	83.8
61	138.8	128.1	168.1

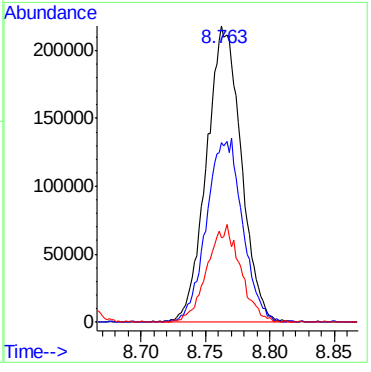


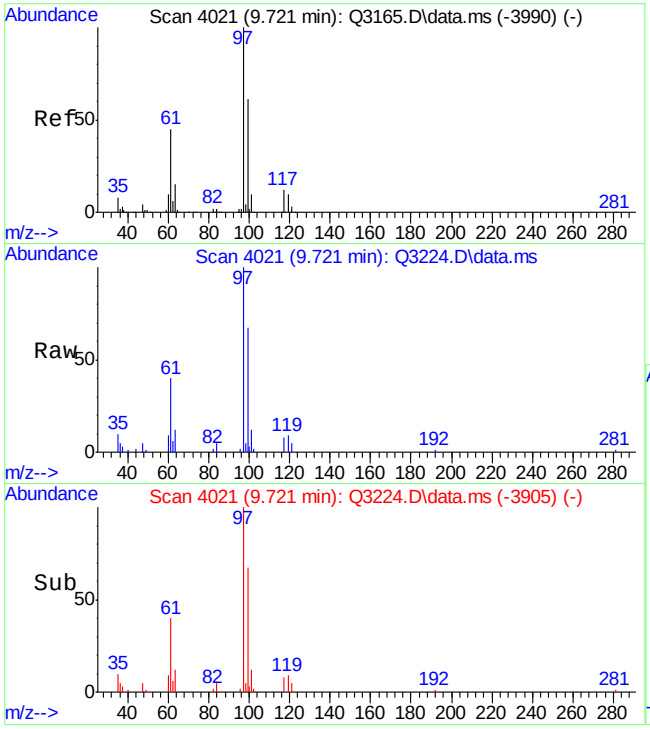


#31
CHLOROFORM
Concen: 4.85 PPBV
RT: 8.763 min Scan# 3481
Delta R.T. 0.002 min
Lab File: Q3224.D
Acq: 13 Apr 2007 12:42 pm

Tgt Ion: 83 Resp: 404992

Ion	Ratio	Lower	Upper
83	100		
85	64.2	45.0	85.0
47	31.5	8.6	48.6

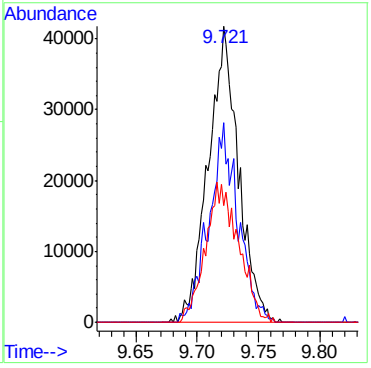


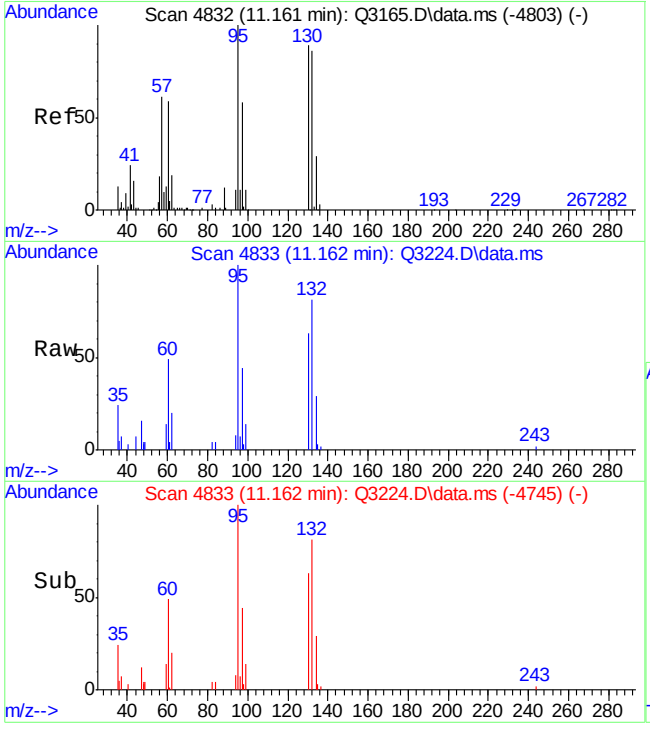


#32
1,1,1-TRICHLOROETHANE
Concen: 0.81 PPBV
RT: 9.721 min Scan# 4021
Delta R.T. 0.000 min
Lab File: Q3224.D
Acq: 13 Apr 2007 12:42 pm

Tgt Ion: 97 Resp: 71595

Ion	Ratio	Lower	Upper
97	100		
99	65.0	43.4	83.4
61	51.4	26.1	66.1

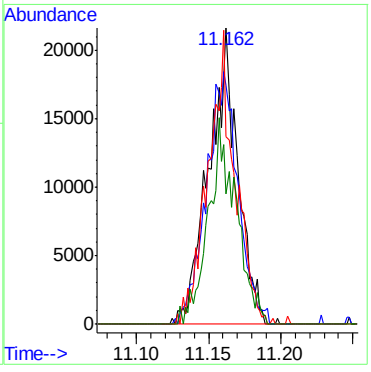


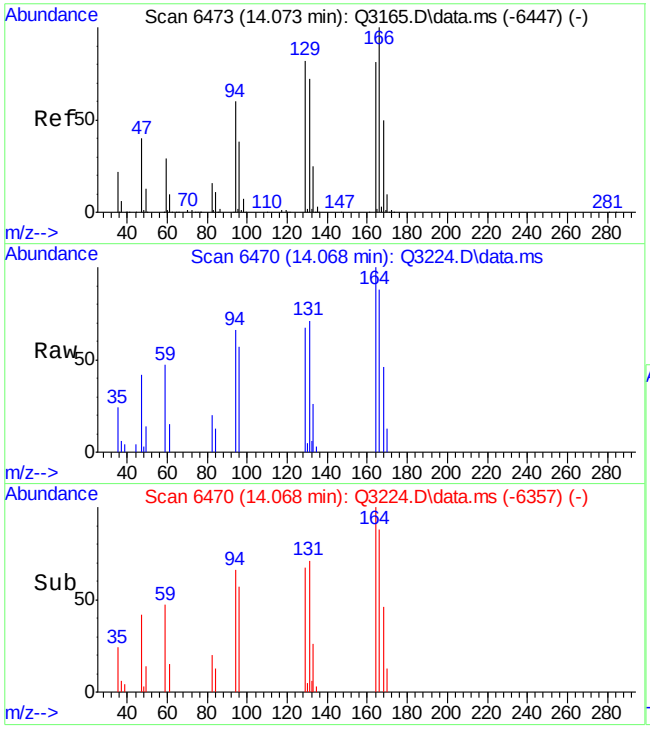


#38
TRICHLOROETHYLENE
Concen: 0.76 PPBV
RT: 11.162 min Scan# 4833
Delta R.T. 0.002 min
Lab File: Q3224.D
Acq: 13 Apr 2007 12:42 pm

Tgt Ion: 95 Resp: 29989

Ion	Ratio	Lower	Upper
95	100		
132	94.0	67.9	107.9
130	91.9	71.5	111.5
97	66.8	44.4	84.4

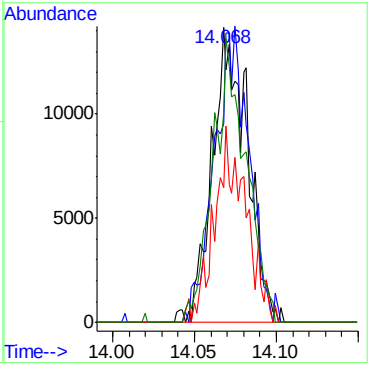




#51
TETRACHLOROETHYLENE
Concen: 0.62 PPBV
RT: 14.068 min Scan# 6470
Delta R.T. -0.005 min
Lab File: Q3224.D
Acq: 13 Apr 2007 12:42 pm

Tgt Ion:164 Resp: 21215

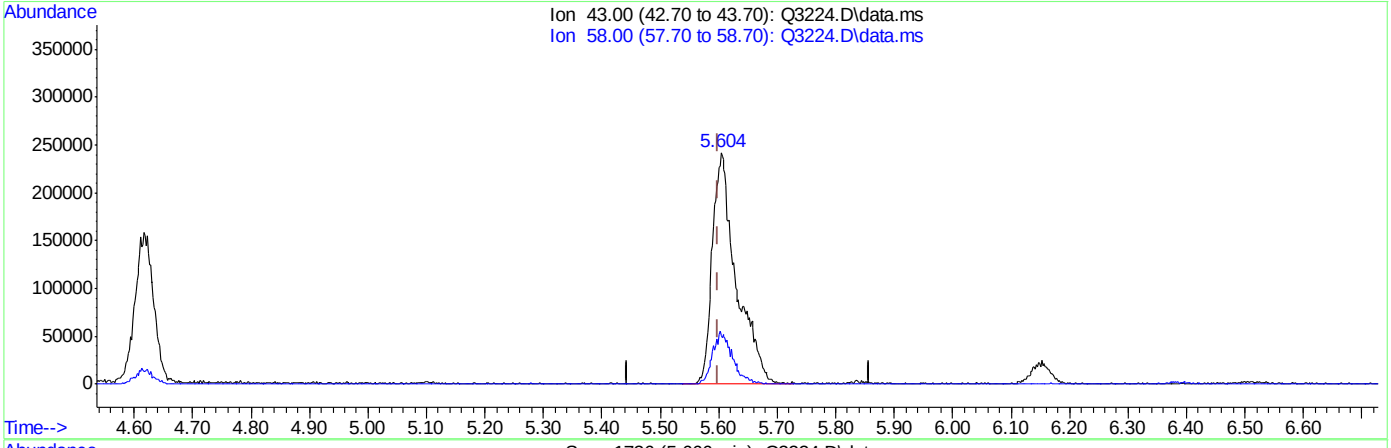
Ion	Ratio	Lower	Upper
164	100		
129	98.0	79.9	119.9
168	58.0	42.7	82.7
131	90.4	74.8	114.8

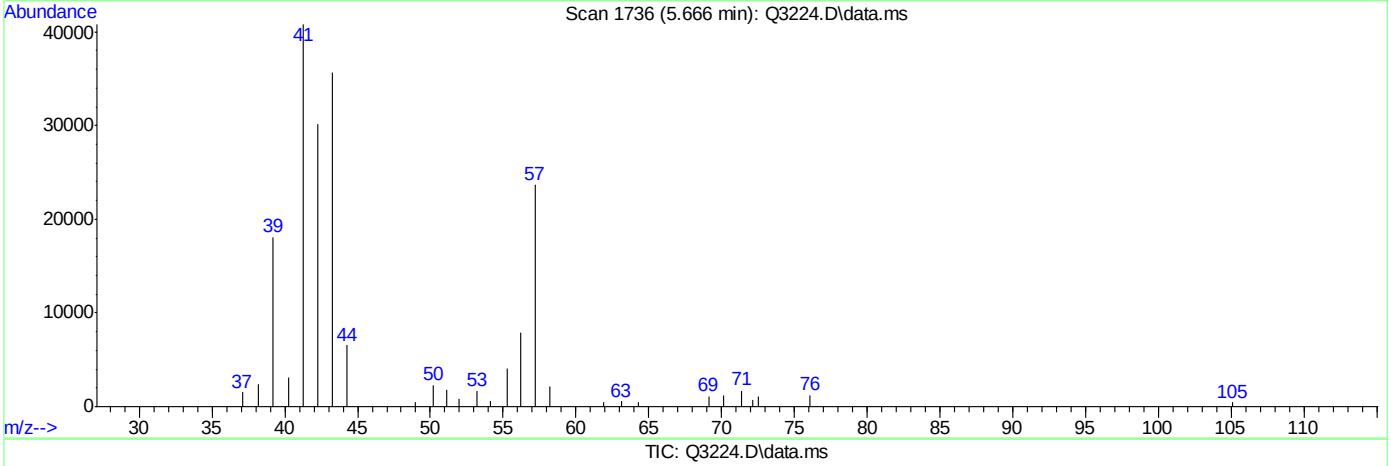


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3224.D
Acq On : 13 Apr 2007 12:42 pm
Operator : DANAT
Sample : m63981-2 (M081)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 16 15:00:16 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration





TIC: Q3224.D\data.ms

(12) ACETONE (m)

5.604min (+0.004) 15.20PPBV

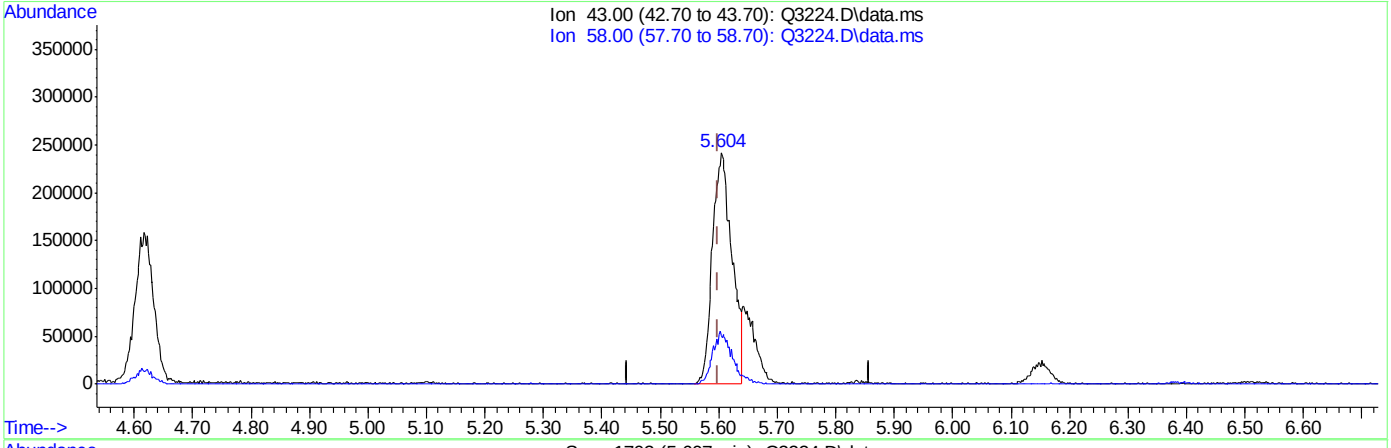
response 691064

Ion	Exp%	Act%
43.00	100	100
58.00	21.60	18.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3224.D
Acq On : 13 Apr 2007 12:42 pm
Operator : DANAT
Sample : m63981-2 (M081)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 16 15:00:16 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration



TIC: Q3224.D\data.ms

(12) ACETONE (m)

5.604min (+0.004) 12.29PPBV m

response 564062

Ion	Exp%	Act%
43.00	100	100
58.00	21.60	23.14
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3225.D
Acq On : 13 Apr 2007 1:24 pm
Operator : DANAT
Sample : m63981-3 (M162)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 16 15:22:02 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

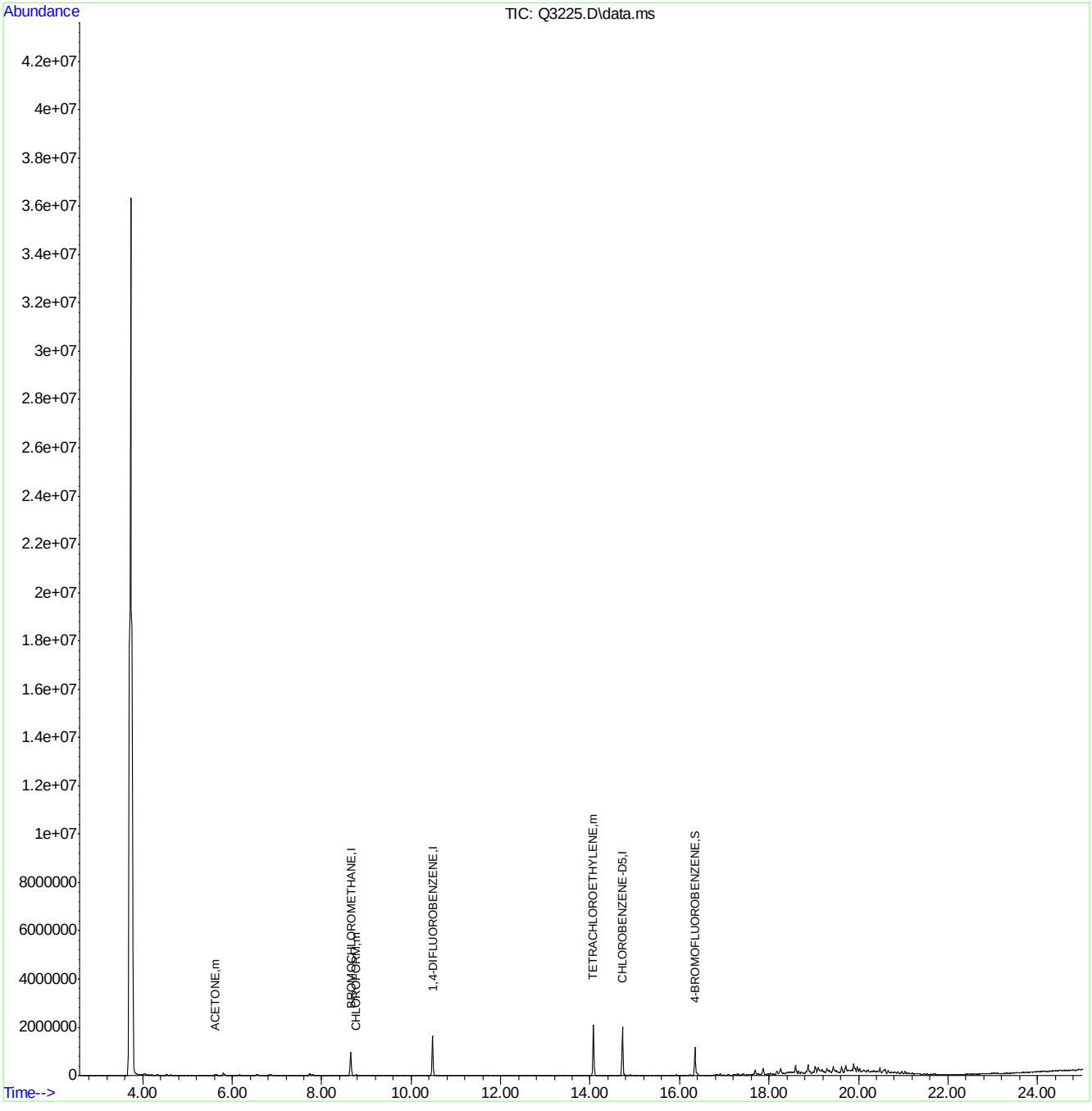
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.648	128	205882	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.477	114	978731	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	820224	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.343	95	329639	5.01	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 100.20%			
Target Compounds						Qvalue
12) ACETONE	5.611	43	58763	1.20	PPBV	79
31) CHLOROFORM	8.770	83	16226	0.26	PPBV	91
51) TETRACHLOROETHYLENE	14.075	164	349540	11.23	PPBV	98

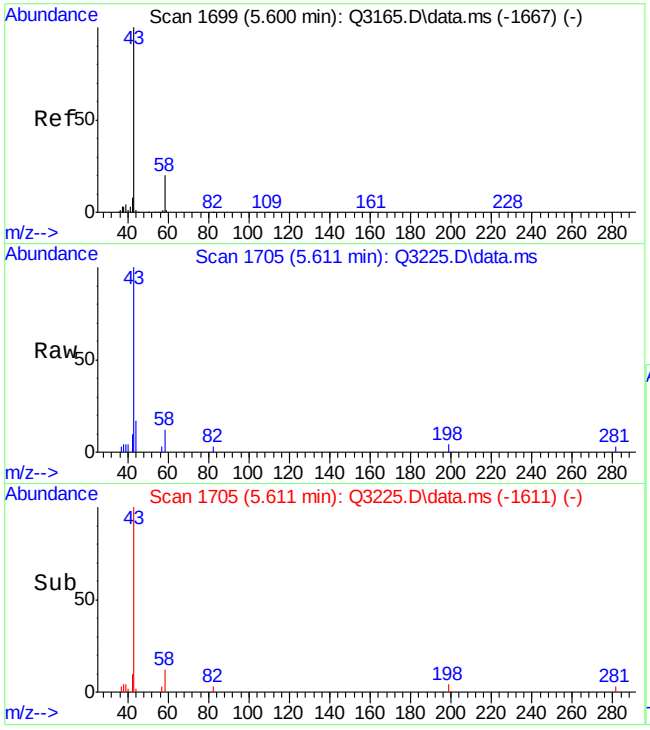
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3225.D
Acq On : 13 Apr 2007 1:24 pm
Operator : DANAT
Sample : m63981-3 (M162)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 16 15:22:02 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

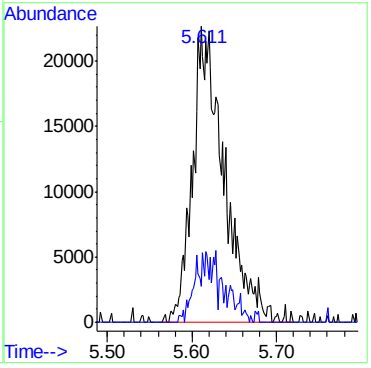


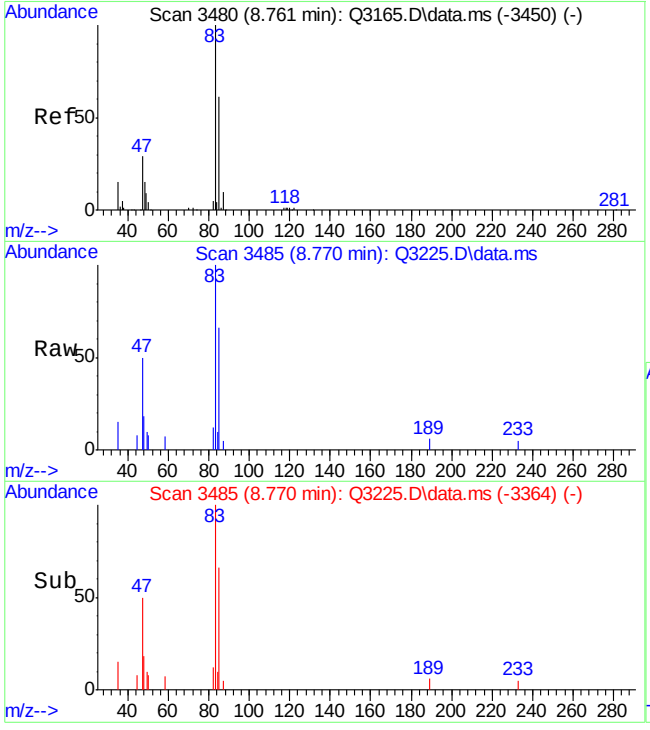


#12
ACETONE
Concen: 1.20 PPBV
RT: 5.611 min Scan# 1705
Delta R.T. 0.011 min
Lab File: Q3225.D
Acq: 13 Apr 2007 1:24 pm

Tgt Ion: 43 Resp: 58763

Ion	Ratio	Lower	Upper
43	100		
58	11.4	1.6	41.6

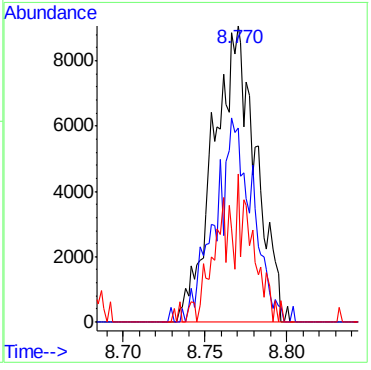


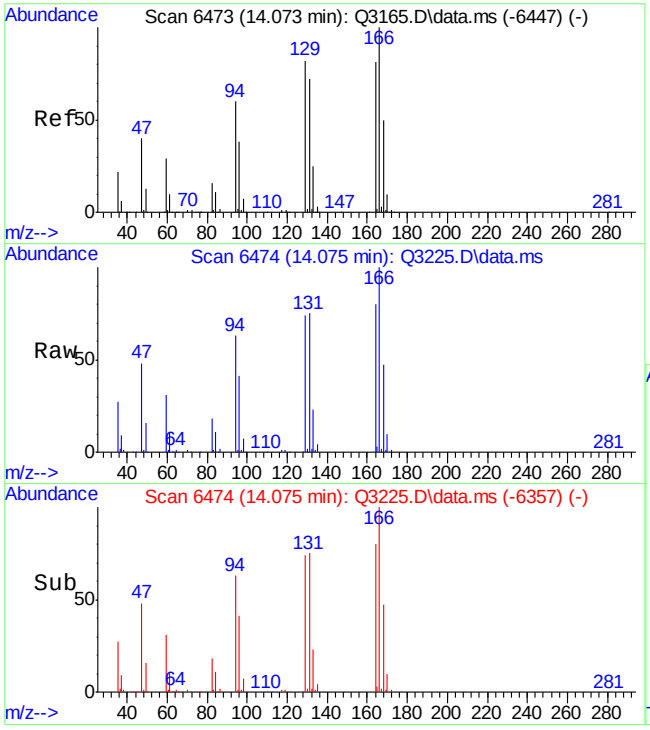


#31
CHLOROFORM
Concen: 0.26 PPBV
RT: 8.770 min Scan# 3485
Delta R.T. 0.009 min
Lab File: Q3225.D
Acq: 13 Apr 2007 1:24 pm

Tgt Ion: 83 Resp: 16226

Ion	Ratio	Lower	Upper
83	100		
85	61.1	45.0	85.0
47	38.9	8.6	48.6

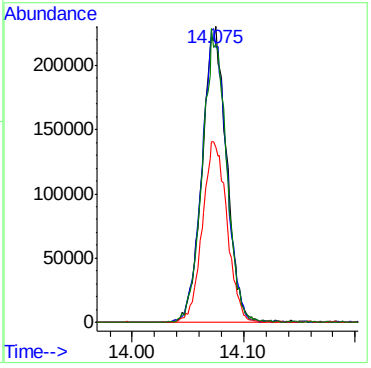




#51
TETRACHLOROETHYLENE
Concen: 11.23 PPBV
RT: 14.075 min Scan# 6474
Delta R.T. 0.002 min
Lab File: Q3225.D
Acq: 13 Apr 2007 1:24 pm

Tgt Ion:164 Resp: 349540

Ion	Ratio	Lower	Upper
164	100		
129	99.5	79.9	119.9
168	61.6	42.7	82.7
131	97.5	74.8	114.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3231.D
Acq On : 13 Apr 2007 5:44 pm
Operator : DANAT
Sample : m63981-4 (M122)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 16 15:31:16 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	402660	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.476	114	1986036	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	1712052	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.345	95	842371	6.13	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 122.60%

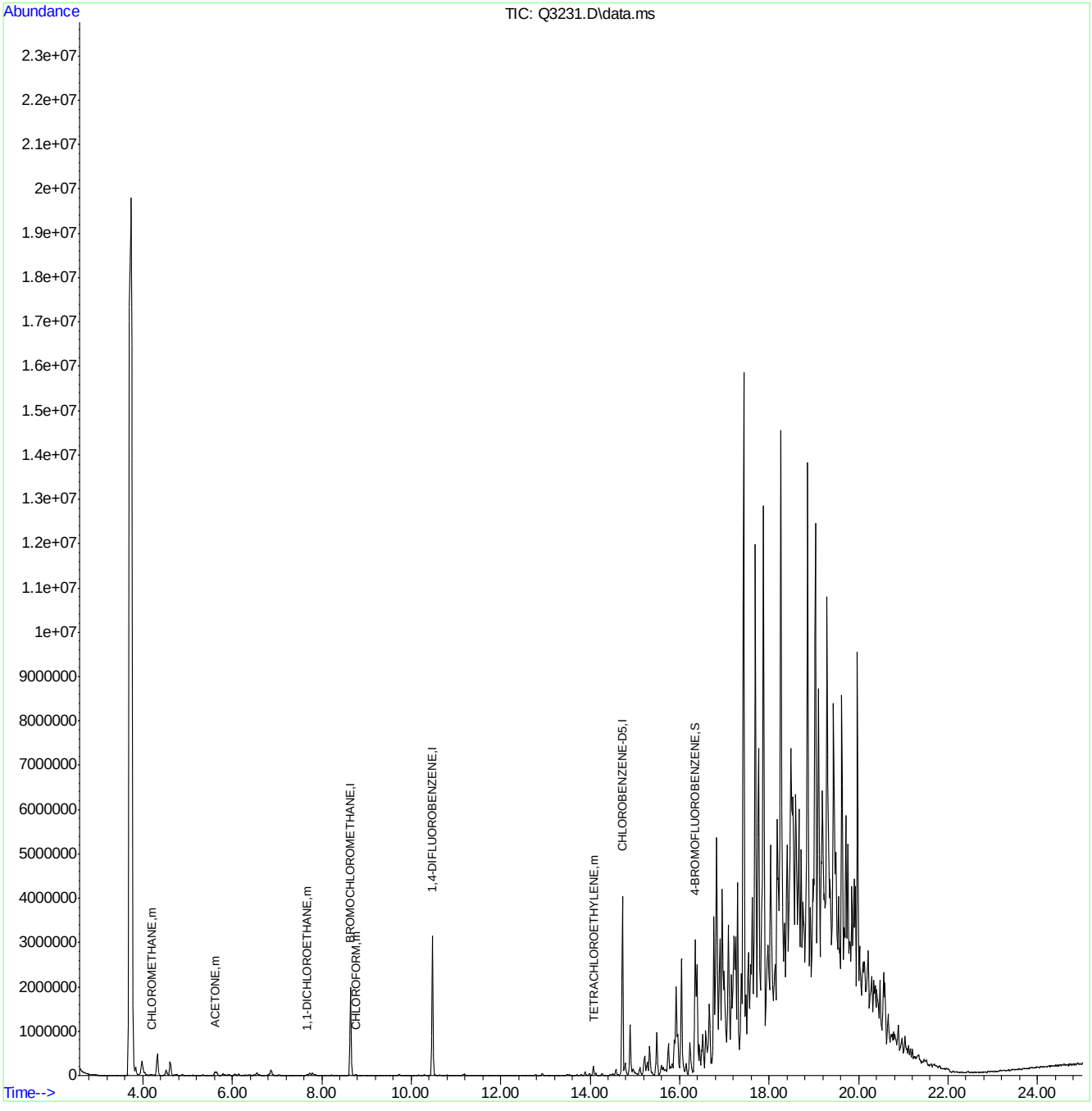
Target Compounds						Qvalue
5) CHLOROMETHANE	4.200	50	19752	0.49	PPBV	77
12) ACETONE	5.614	43	137025	1.55	PPBV	90
27) 1,1-DICHLOROETHANE	7.677	63	11937	0.14	PPBV	77
31) CHLOROFORM	8.765	83	16763	0.14	PPBV	95
51) TETRACHLOROETHYLENE	14.077	164	35441	0.55	PPBV	97

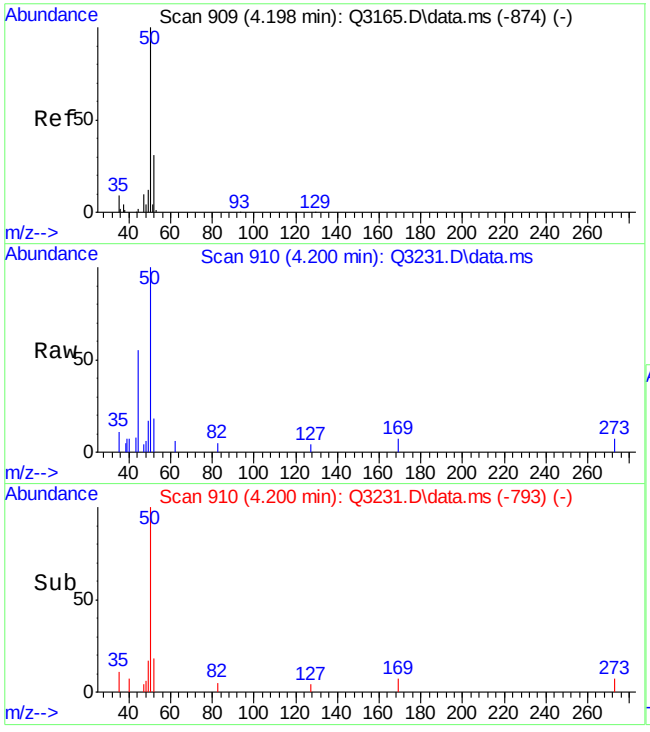
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3231.D
Acq On : 13 Apr 2007 5:44 pm
Operator : DANAT
Sample : m63981-4 (M122)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 16 15:31:16 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

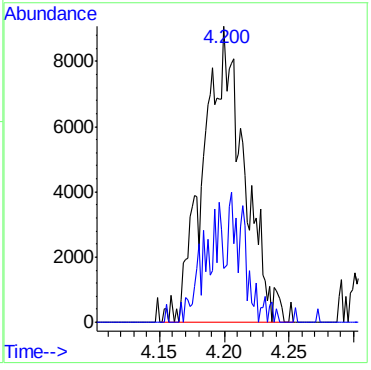


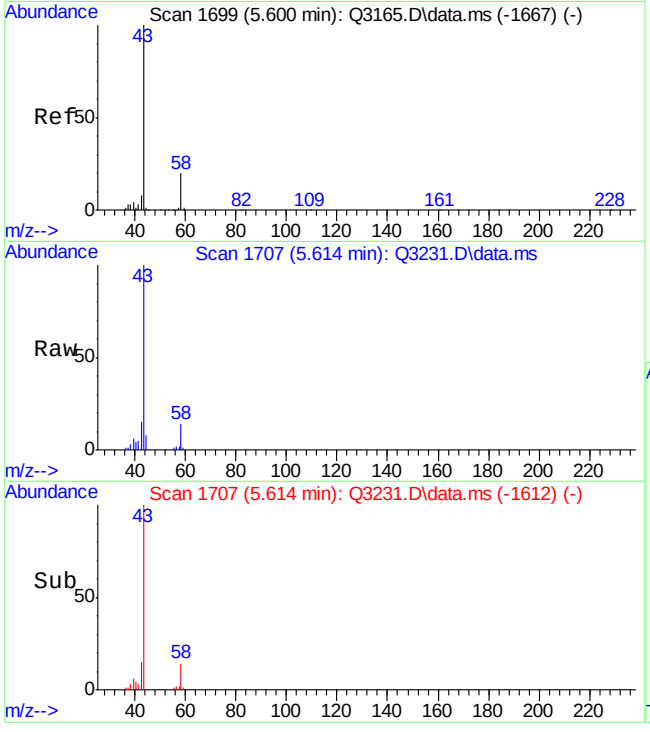


#5
CHLOROMETHANE
Concen: 0.49 PPBV
RT: 4.200 min Scan# 910
Delta R.T. 0.002 min
Lab File: Q3231.D
Acq: 13 Apr 2007 5:44 pm

Tgt Ion: 50 Resp: 19752

Ion	Ratio	Lower	Upper
50	100		
52	18.2	10.8	50.8

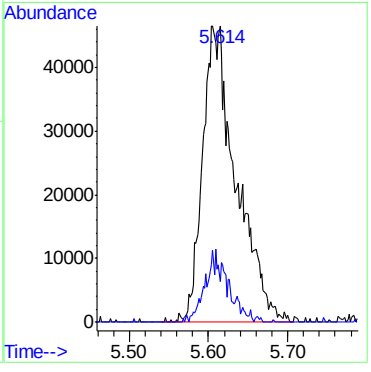


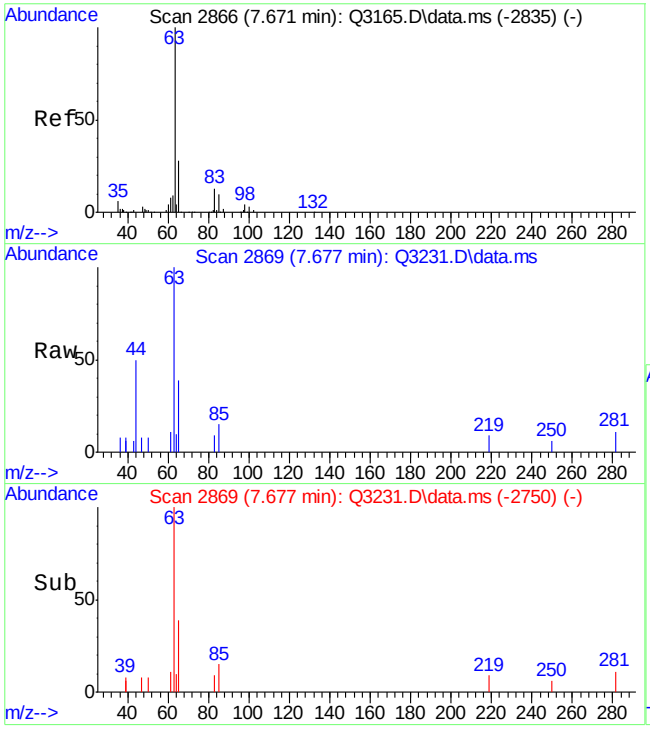


#12
ACETONE
Concen: 1.55 PPBV
RT: 5.614 min Scan# 1707
Delta R.T. 0.014 min
Lab File: Q3231.D
Acq: 13 Apr 2007 5:44 pm

Tgt Ion: 43 Resp: 137025

Ion	Ratio	Lower	Upper
43	100		
58	16.7	1.6	41.6

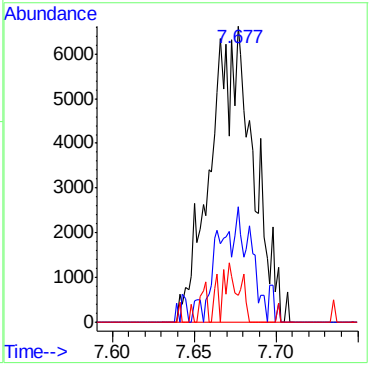


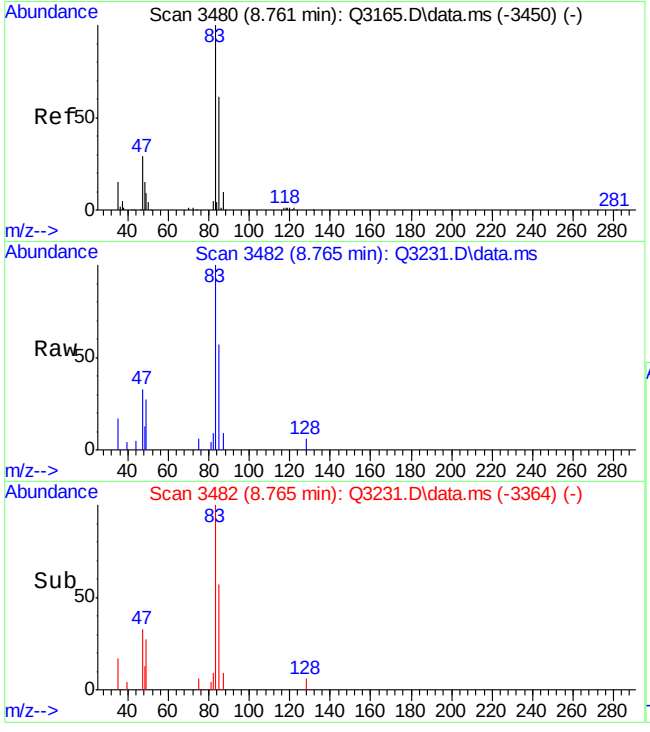


#27
1,1-DICHLOROETHANE
Concen: 0.14 PPBV
RT: 7.677 min Scan# 2869
Delta R.T. 0.005 min
Lab File: Q3231.D
Acq: 13 Apr 2007 5:44 pm

Tgt Ion: 63 Resp: 11937

Ion	Ratio	Lower	Upper
63	100		
65	15.7	11.9	51.9
83	10.4	0.0	35.3

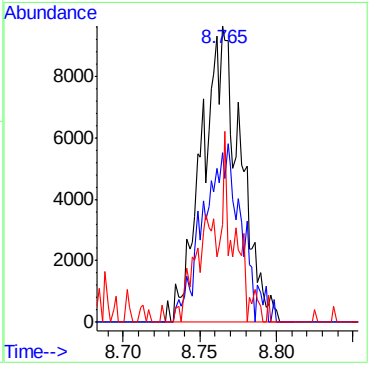


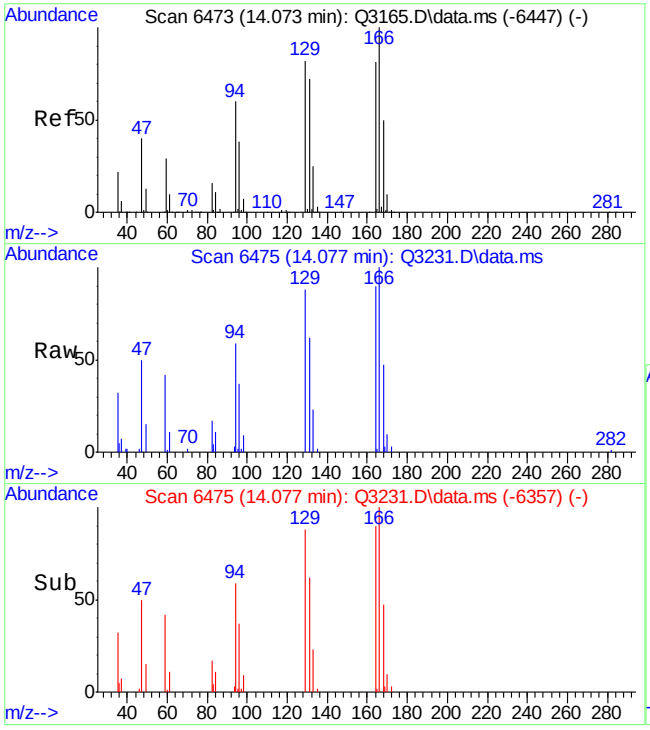


#31
CHLOROFORM
Concen: 0.14 PPBV
RT: 8.765 min Scan# 3482
Delta R.T. 0.004 min
Lab File: Q3231.D
Acq: 13 Apr 2007 5:44 pm

Tgt Ion: 83 Resp: 16763

Ion	Ratio	Lower	Upper
83	100		
85	59.3	45.0	85.0
47	29.0	8.6	48.6

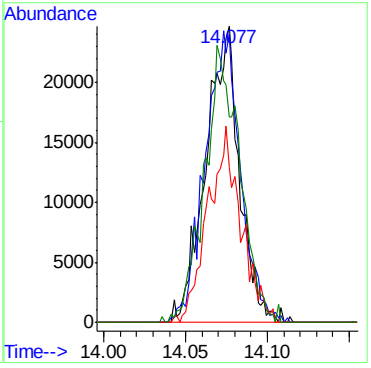




#51
TETRACHLOROETHYLENE
Concen: 0.55 PPBV
RT: 14.077 min Scan# 6475
Delta R.T. 0.004 min
Lab File: Q3231.D
Acq: 13 Apr 2007 5:44 pm

Tgt Ion:164 Resp: 35441

Ion	Ratio	Lower	Upper
164	100		
129	103.1	79.9	119.9
168	64.3	42.7	82.7
131	98.1	74.8	114.8



6.1.4

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3228.D
Acq On : 13 Apr 2007 3:34 pm
Operator : DANAT
Sample : m63981-5 (M144)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 16 15:27:36 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	320030	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.476	114	1444251	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	1159689	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.345	95	440371	4.73	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 94.60%

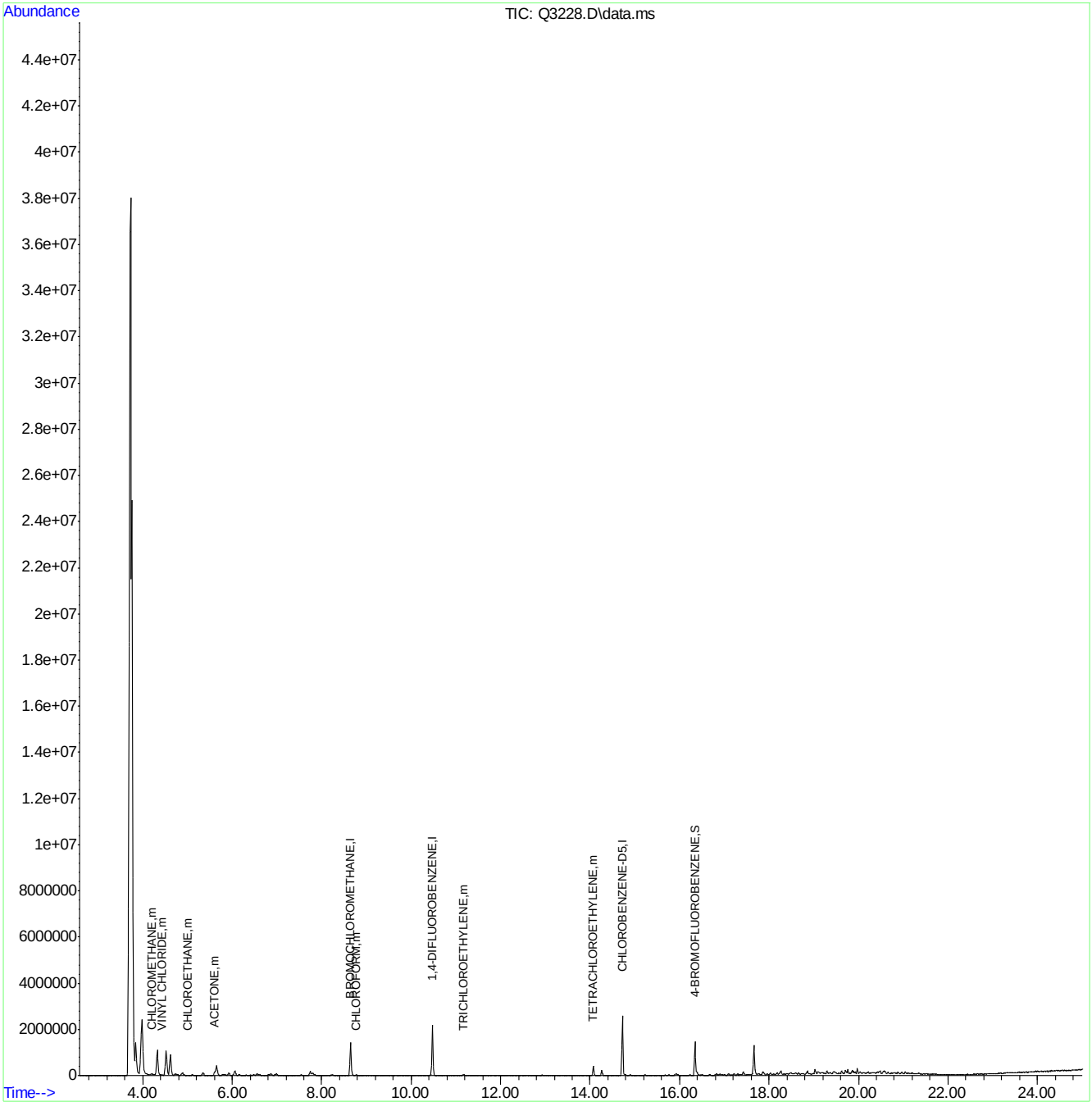
Target Compounds						Qvalue
5) CHLOROMETHANE	4.195	50	32338	1.00	PPBV	96
6) VINYL CHLORIDE	4.417	62	5387	0.14	PPBV	74
9) CHLOROETHANE	5.013	64	4487	0.29	PPBV #	59
12) ACETONE	5.602	43	202755	3.41	PPBV	88
31) CHLOROFORM	8.763	83	18959	0.20	PPBV	98
38) TRICHLOROETHYLENE	11.159	95	7687	0.16	PPBV	95
51) TETRACHLOROETHYLENE	14.071	164	74069	1.68	PPBV	99

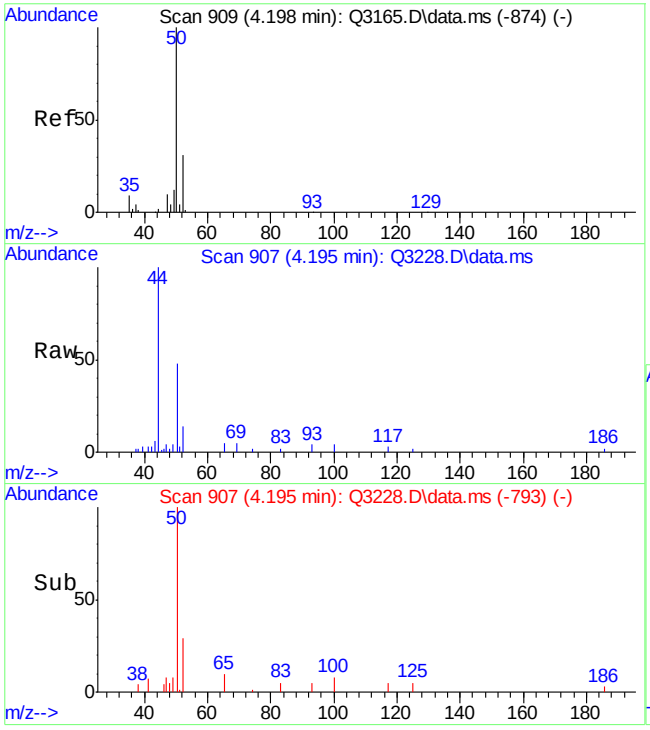
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3228.D
Acq On : 13 Apr 2007 3:34 pm
Operator : DANAT
Sample : m63981-5 (M144)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 16 15:27:36 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

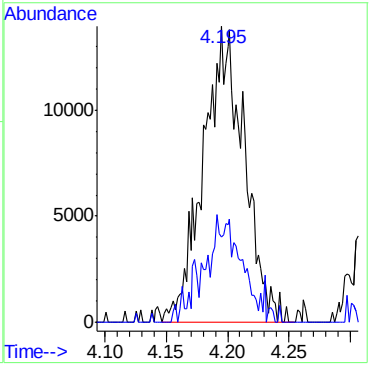


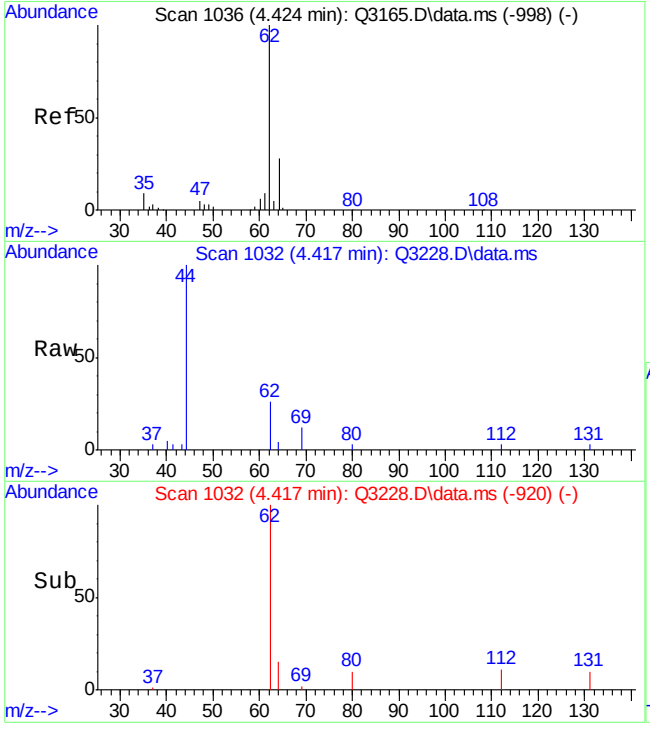


#5
CHLOROMETHANE
Concen: 1.00 PPBV
RT: 4.195 min Scan# 907
Delta R.T. -0.003 min
Lab File: Q3228.D
Acq: 13 Apr 2007 3:34 pm

Tgt Ion: 50 Resp: 32338

Ion	Ratio	Lower	Upper
50	100		
52	28.8	10.8	50.8

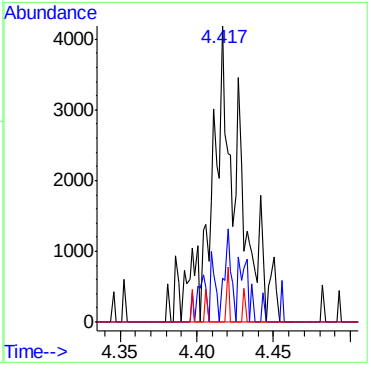


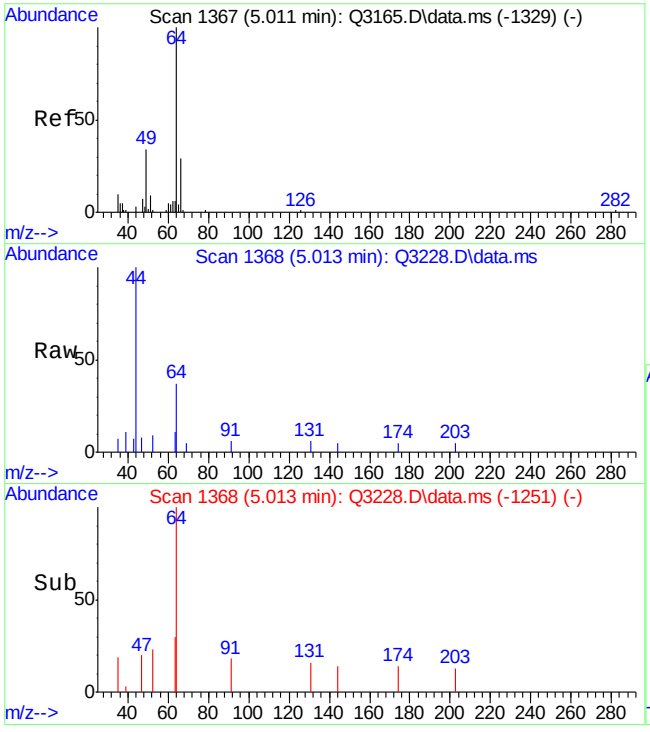


#6
VINYL CHLORIDE
Concen: 0.14 PPBV
RT: 4.417 min Scan# 1032
Delta R.T. -0.007 min
Lab File: Q3228.D
Acq: 13 Apr 2007 3:34 pm

Tgt Ion: 62 Resp: 5387

Ion	Ratio	Lower	Upper
62	100		
64	15.6	11.2	51.2
61	2.5	0.0	28.9

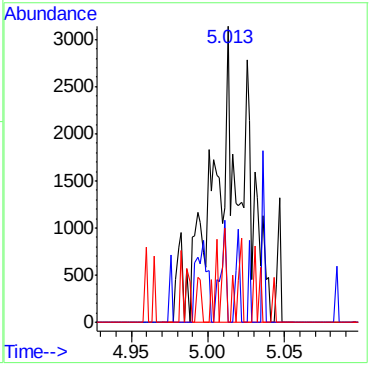


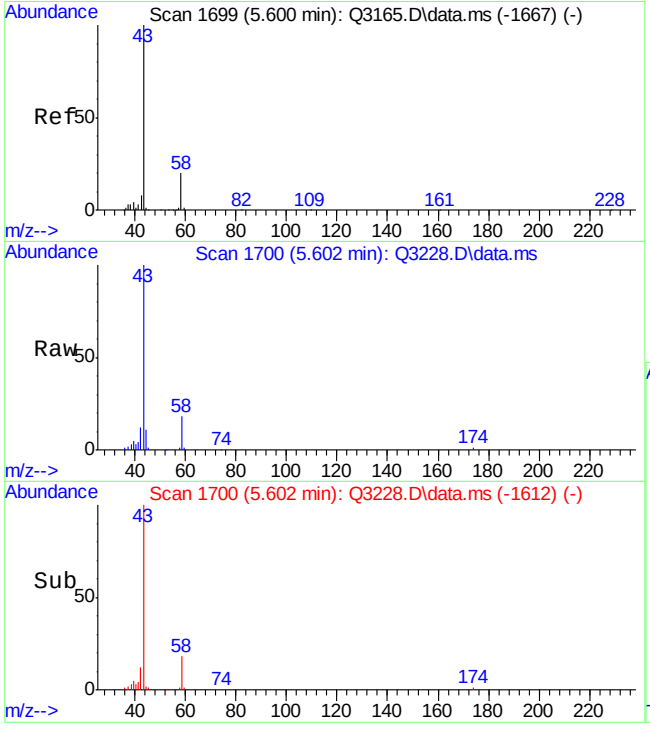


#9
CHLOROETHANE
Concen: 0.29 PPBV
RT: 5.013 min Scan# 1368
Delta R.T. 0.002 min
Lab File: Q3228.D
Acq: 13 Apr 2007 3:34 pm

Tgt Ion: 64 Resp: 4487

Ion	Ratio	Lower	Upper
64	100		
66	15.3	13.0	53.0
49	7.0	15.8	55.8#

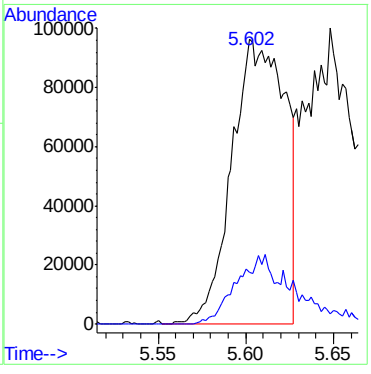


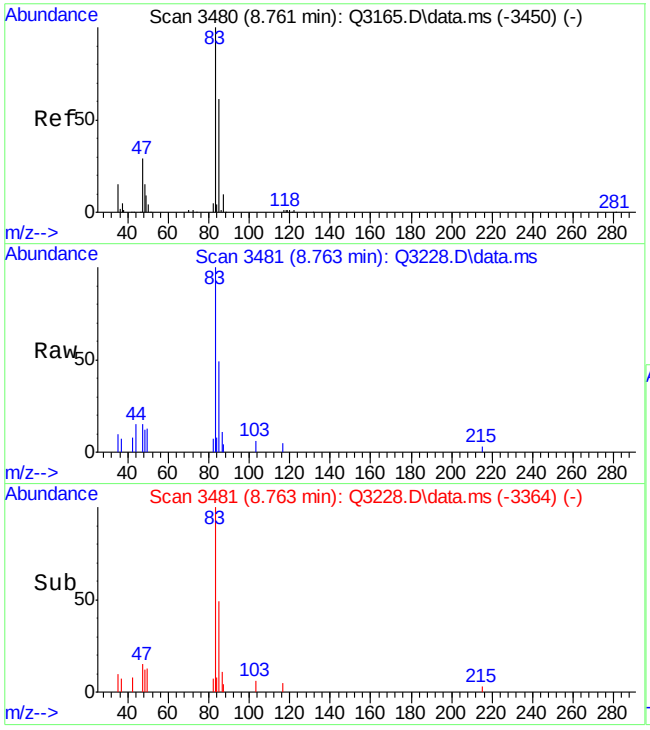


#12
ACETONE
Concen: 3.41 PPBV
RT: 5.602 min Scan# 1700
Delta R.T. 0.002 min
Lab File: Q3228.D
Acq: 13 Apr 2007 3:34 pm

Tgt Ion: 43 Resp: 202755

Ion	Ratio	Lower	Upper
43	100		
58	27.2	1.6	41.6

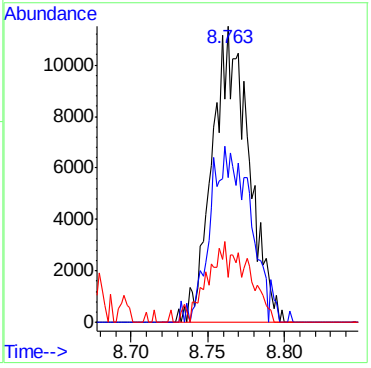


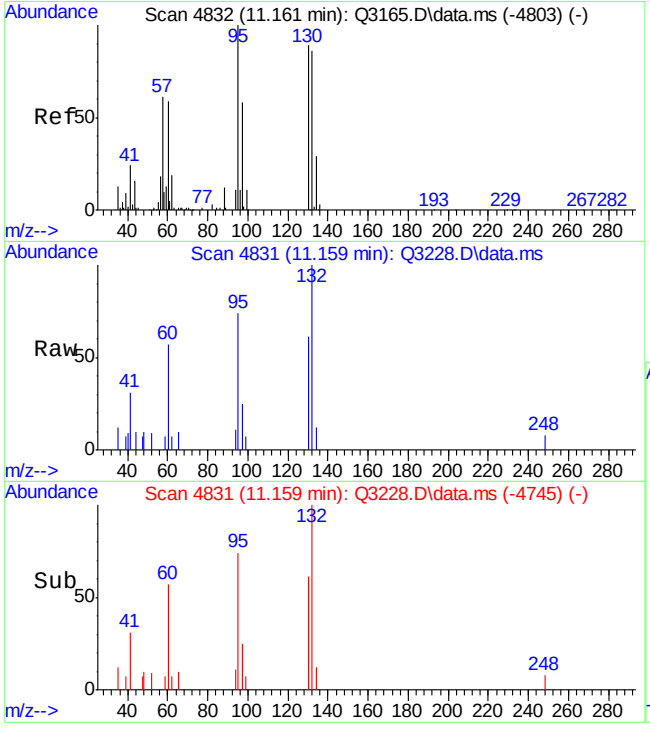


#31
CHLOROFORM
Concen: 0.20 PPBV
RT: 8.763 min Scan# 3481
Delta R.T. 0.002 min
Lab File: Q3228.D
Acq: 13 Apr 2007 3:34 pm

Tgt Ion: 83 Resp: 18959

Ion	Ratio	Lower	Upper
83	100		
85	66.1	45.0	85.0
47	30.1	8.6	48.6

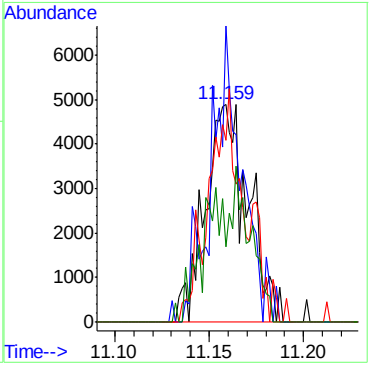


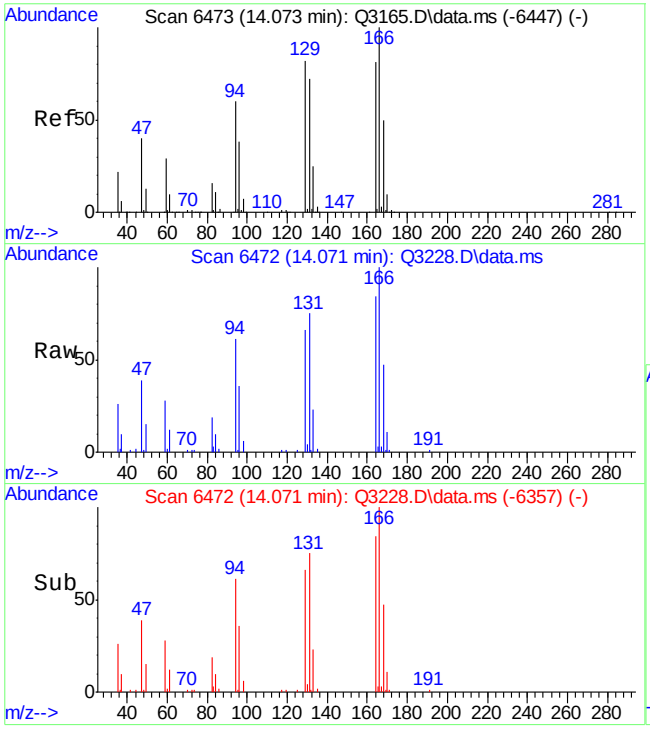


#38
TRICHLOROETHYLENE
Concen: 0.16 PPBV
RT: 11.159 min Scan# 4831
Delta R.T. -0.002 min
Lab File: Q3228.D
Acq: 13 Apr 2007 3:34 pm

Tgt Ion: 95 Resp: 7687

Ion	Ratio	Lower	Upper
95	100		
132	97.5	67.9	107.9
130	90.3	71.5	111.5
97	66.8	44.4	84.4

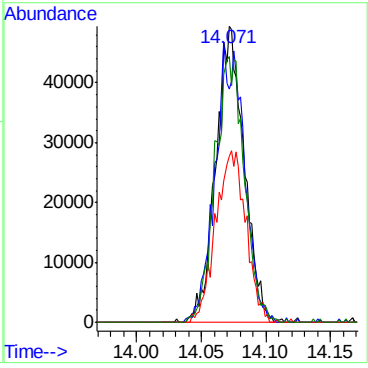




#51
TETRACHLOROETHYLENE
Concen: 1.68 PPBV
RT: 14.071 min Scan# 6472
Delta R.T. -0.002 min
Lab File: Q3228.D
Acq: 13 Apr 2007 3:34 pm

Tgt Ion:164 Resp: 74069

Ion	Ratio	Lower	Upper
164	100		
129	97.5	79.9	119.9
168	62.4	42.7	82.7
131	94.3	74.8	114.8



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
04/16/07 16:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3229.D
Acq On : 13 Apr 2007 4:17 pm
Operator : DANAT
Sample : m63981-6 (M088)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 16 15:28:56 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.641	128	295501	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	1392407	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	1134381	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	418925	4.60	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 92.00%

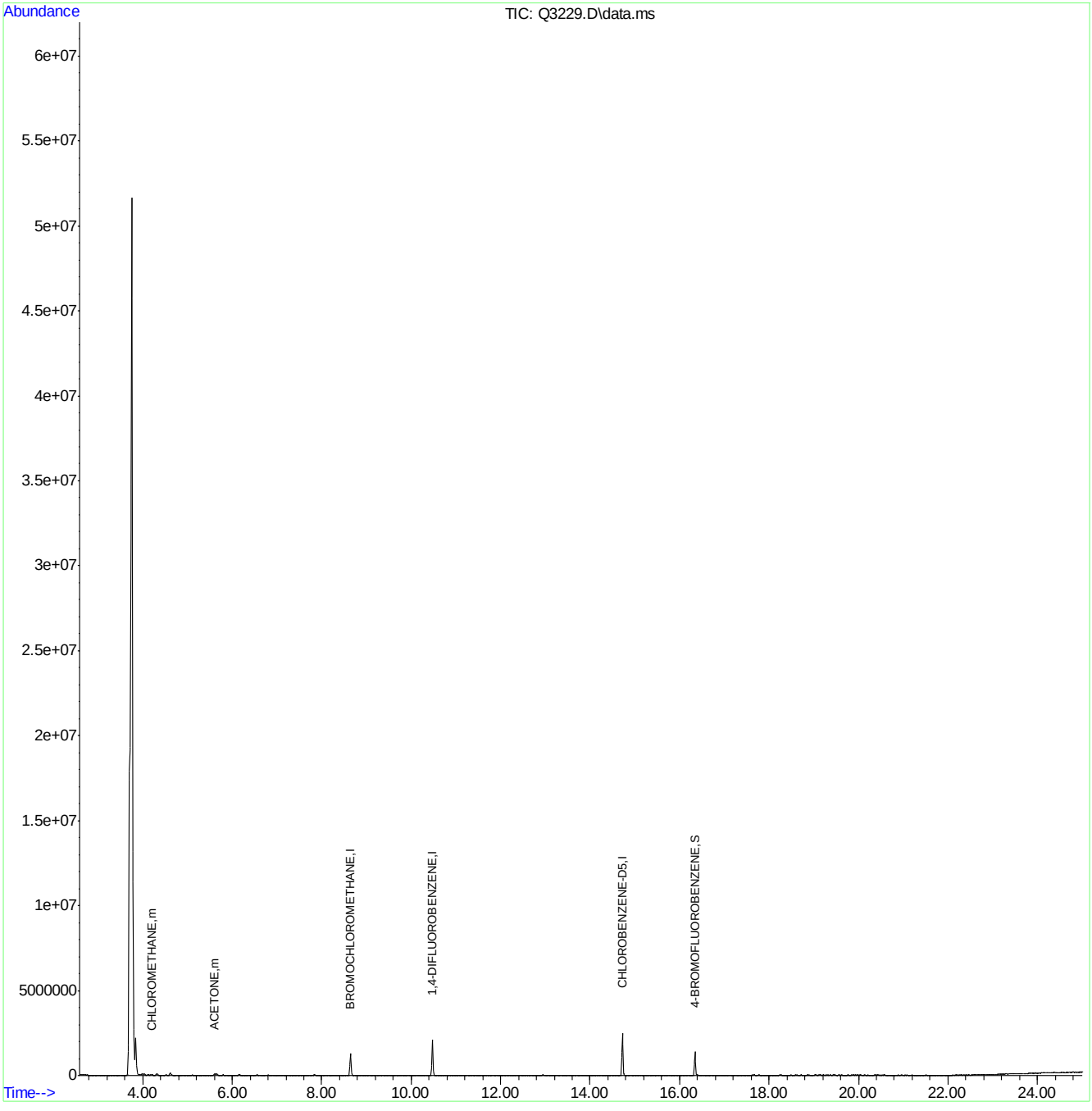
Target Compounds						Qvalue
5) CHLOROMETHANE	4.197	50	29017	0.98	PPBV	92
12) ACETONE	5.604	43	142502m	2.45	PPBV	

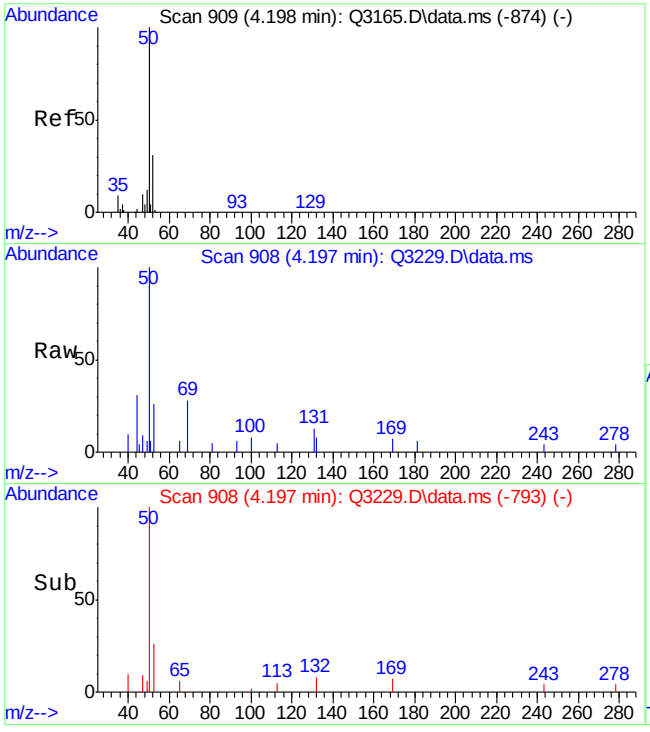
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3229.D
Acq On : 13 Apr 2007 4:17 pm
Operator : DANAT
Sample : m63981-6 (M088)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 16 15:28:56 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

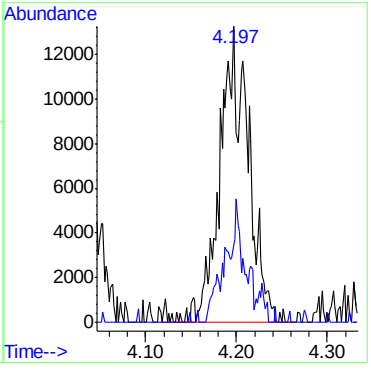


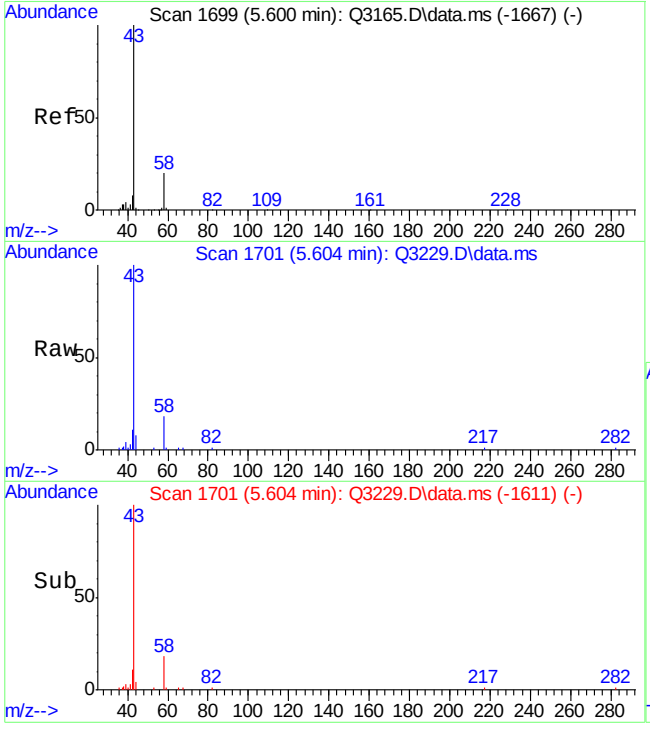


#5
CHLOROMETHANE
Concen: 0.98 PPBV
RT: 4.197 min Scan# 908
Delta R.T. -0.002 min
Lab File: Q3229.D
Acq: 13 Apr 2007 4:17 pm

Tgt Ion: 50 Resp: 29017

Ion	Ratio	Lower	Upper
50	100		
52	26.2	10.8	50.8

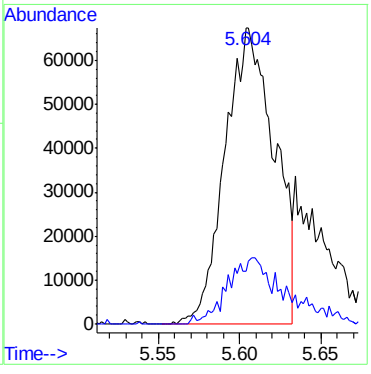




#12
ACETONE
Concen: 2.45 PPBV m
RT: 5.604 min Scan# 1701
Delta R.T. 0.004 min
Lab File: Q3229.D
Acq: 13 Apr 2007 4:17 pm

Tgt Ion: 43 Resp: 142502

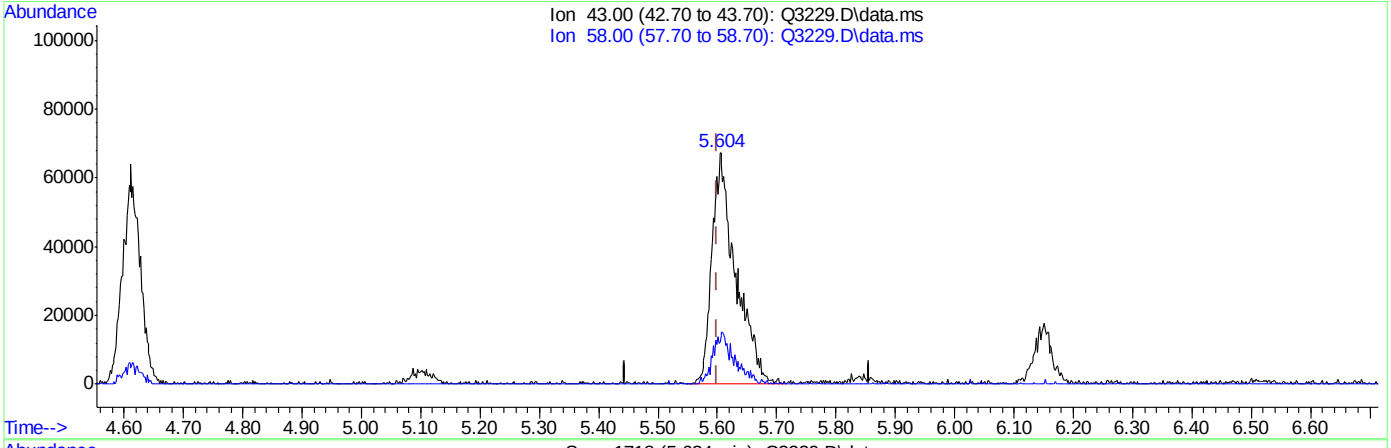
Ion	Ratio	Lower	Upper
43	100		
58	26.8	1.6	41.6

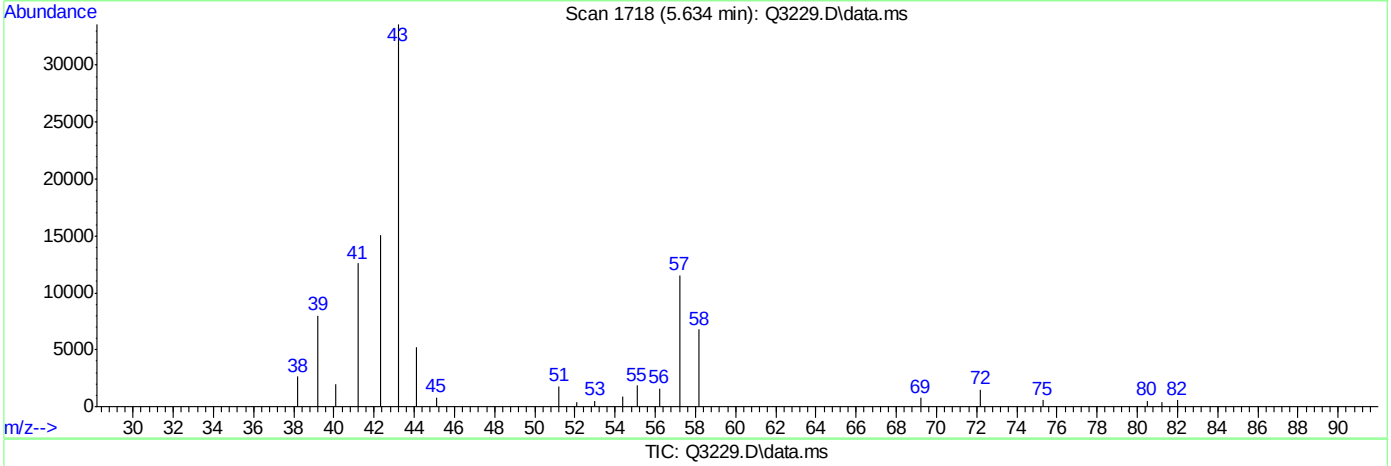


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3229.D
Acq On : 13 Apr 2007 4:17 pm
Operator : DANAT
Sample : m63981-6 (M088)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 16 15:00:38 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration





TIC: Q3229.D\data.ms

(12) ACETONE (m)

5.604min (+0.004) 3.42PPBV

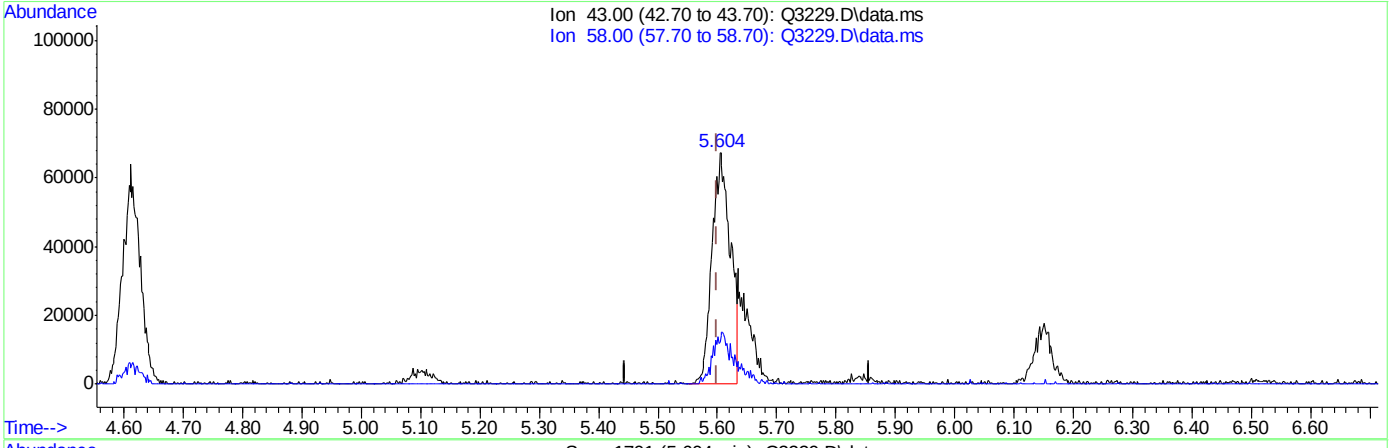
response 187676

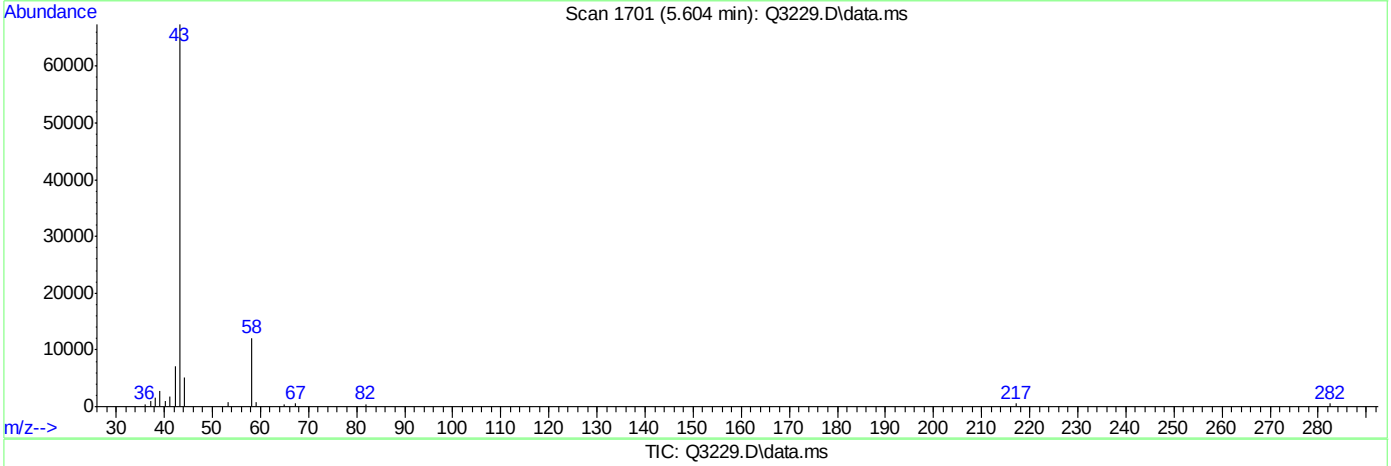
Ion	Exp%	Act%
43.00	100	100
58.00	21.60	20.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3229.D
Acq On : 13 Apr 2007 4:17 pm
Operator : DANAT
Sample : m63981-6 (M088)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 16 15:00:38 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration





TIC: Q3229.D\data.ms

(12) ACETONE (m)

5.604min (+0.004) 2.45PPBV m

response 142502

Ion	Exp%	Act%
43.00	100	100
58.00	21.60	26.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3230.D
Acq On : 13 Apr 2007 5:00 pm
Operator : DANAT
Sample : m63981-7 (M012)
Misc : MS13369,MSQ172,,,,,20
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 16 15:29:43 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

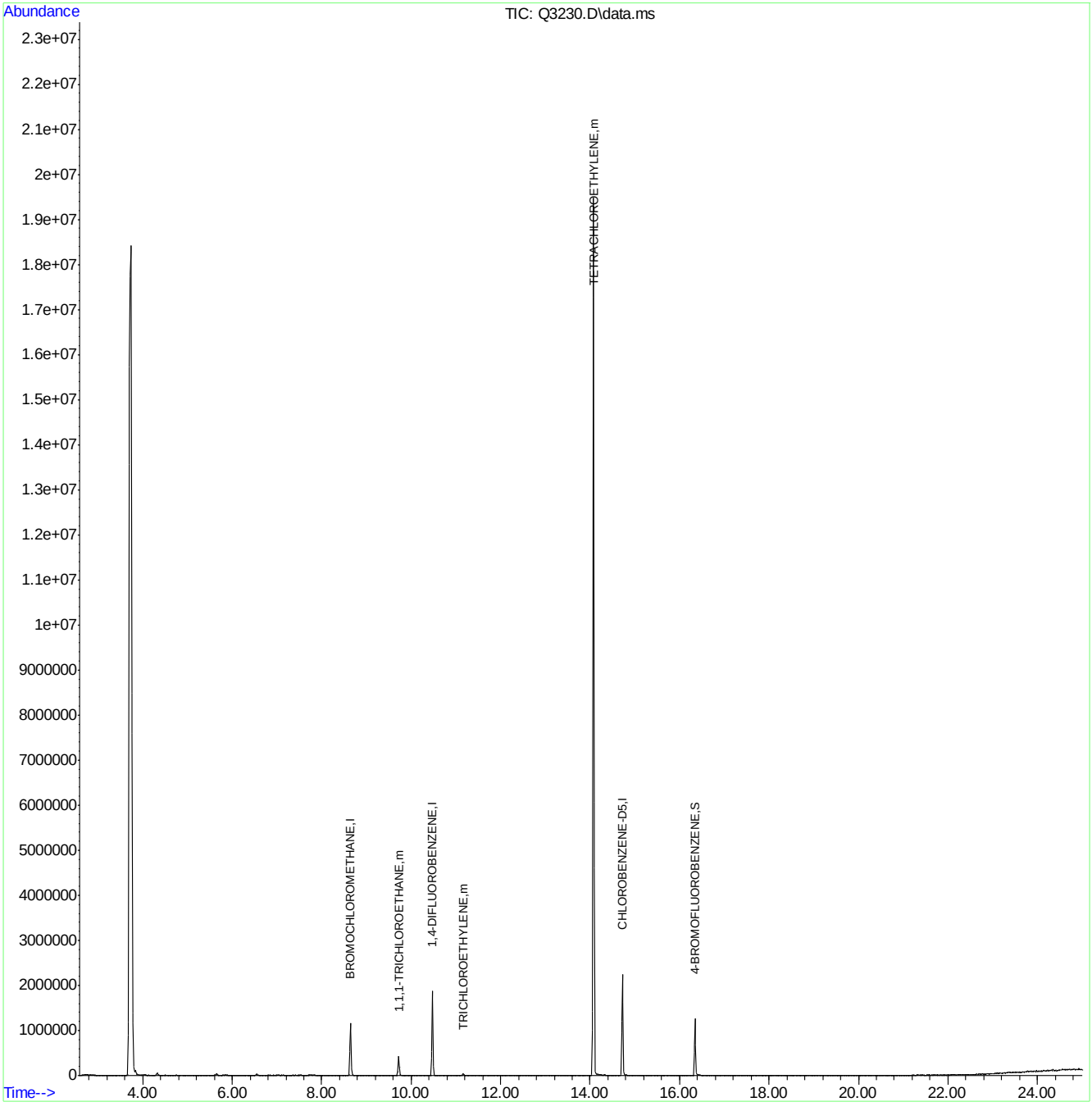
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.640	128	263597	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	1206683	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	990004	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.341	95	351156	4.42	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 88.40%			
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.721	97	248104	2.96	PPBV	96
38) TRICHLOROETHYLENE	11.168	95	11608	0.29	PPBV	94
51) TETRACHLOROETHYLENE	14.077	164	3447947	91.77	PPBV	98

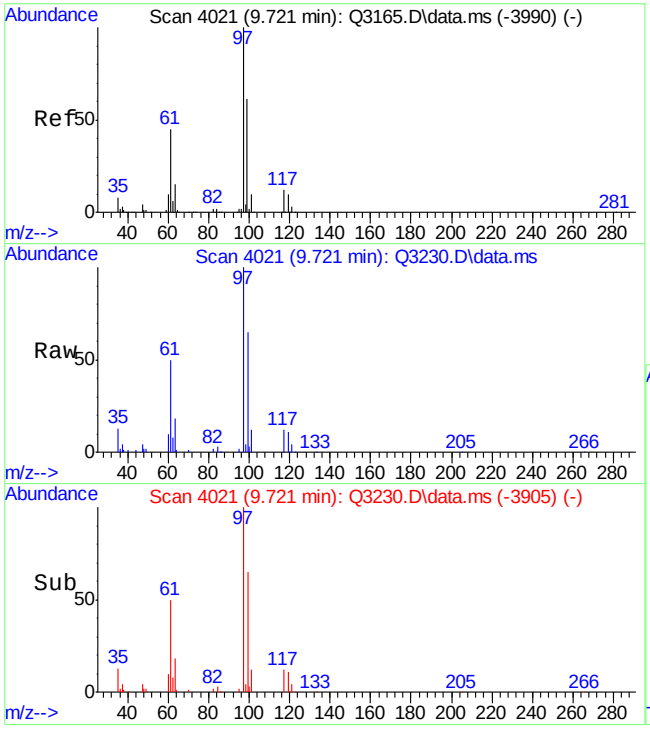
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3230.D
Acq On : 13 Apr 2007 5:00 pm
Operator : DANAT
Sample : m63981-7 (M012)
Misc : MS13369,MSQ172,,,,,20
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 16 15:29:43 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

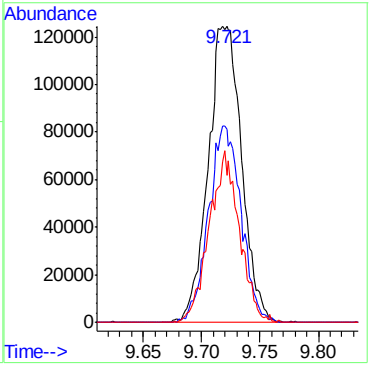


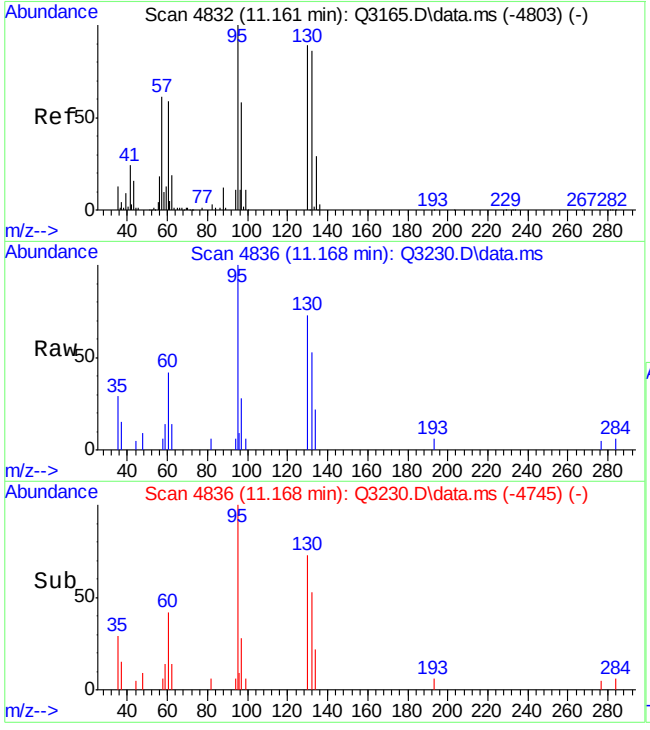


#32
1,1,1-TRICHLOROETHANE
Concen: 2.96 PPBV
RT: 9.721 min Scan# 4021
Delta R.T. 0.000 min
Lab File: Q3230.D
Acq: 13 Apr 2007 5:00 pm

Tgt Ion: 97 Resp: 248104

Ion	Ratio	Lower	Upper
97	100		
99	64.2	43.4	83.4
61	51.7	26.1	66.1

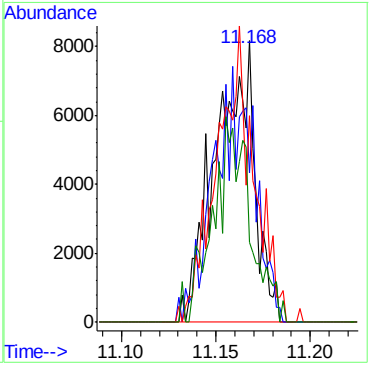


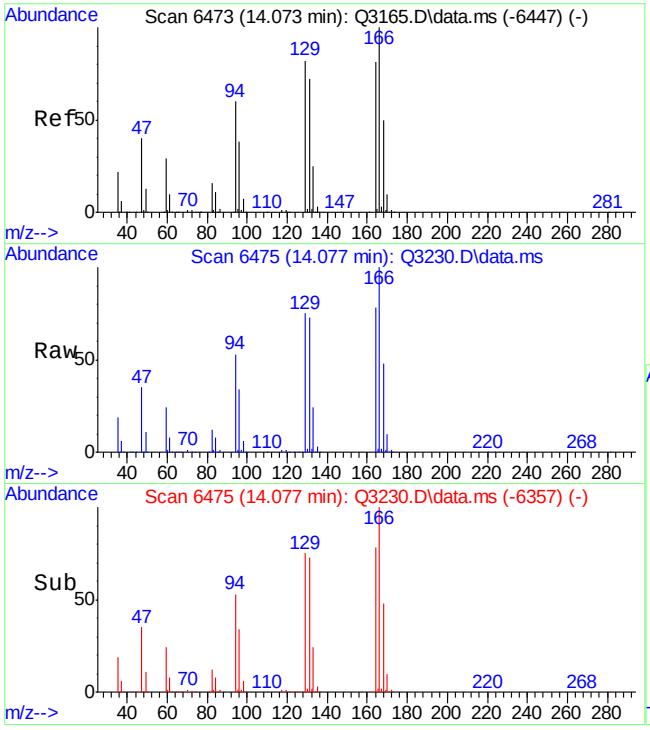


#38
TRICHLOROETHYLENE
Concen: 0.29 PPBV
RT: 11.168 min Scan# 4836
Delta R.T. 0.007 min
Lab File: Q3230.D
Acq: 13 Apr 2007 5:00 pm

Tgt Ion: 95 Resp: 11608

Ion	Ratio	Lower	Upper
95	100		
132	91.9	67.9	107.9
130	98.9	71.5	111.5
97	69.5	44.4	84.4

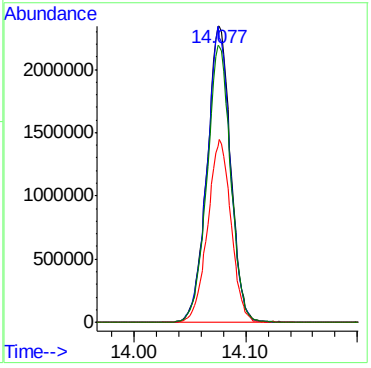




#51
TETRACHLOROETHYLENE
Concen: 91.77 PPBV
RT: 14.077 min Scan# 6475
Delta R.T. 0.004 min
Lab File: Q3230.D
Acq: 13 Apr 2007 5:00 pm

Tgt Ion:164 Resp: 3447947

Ion	Ratio	Lower	Upper
164	100		
129	97.9	79.9	119.9
168	61.1	42.7	82.7
131	93.3	74.8	114.8



6.1.7

6

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/16/07 16:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3233.D
Acq On : 13 Apr 2007 7:10 pm
Operator : DANAT
Sample : m63981-7 (D019)
Misc : MS13369,MSQ172,,,,,200
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 16 15:50:31 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.674	128	212549	10.00	PPBV	0.03
35) 1,4-DIFLUOROBENZENE	10.493	114	982257	10.00	PPBV	0.02
49) CHLOROBENZENE-D5	14.728	117	760395m	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.346	95	182244	2.99	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 59.80%

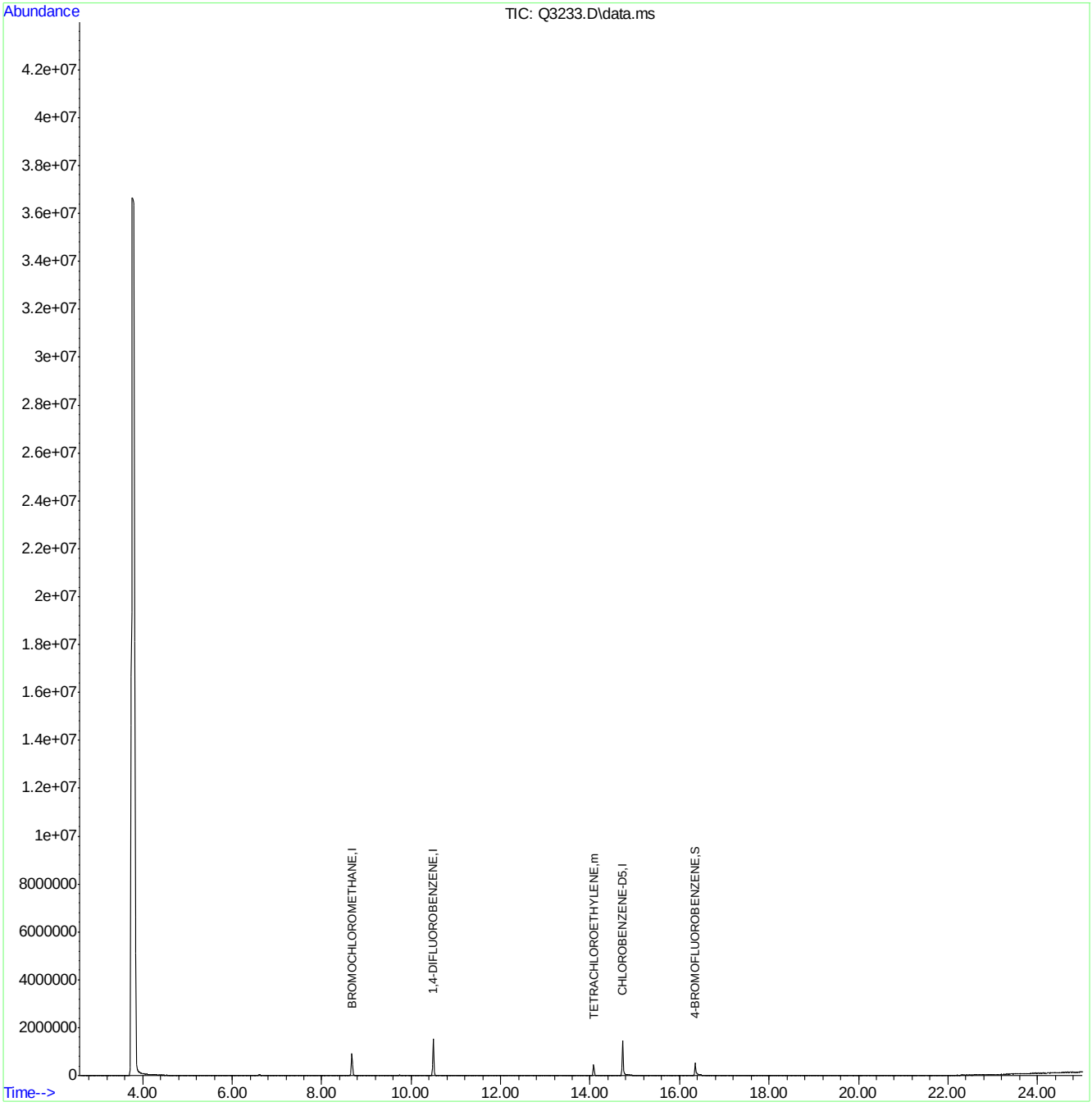
Target Compounds						Qvalue
51) TETRACHLOROETHYLENE	14.078	164	84045	2.91	PPBV	97

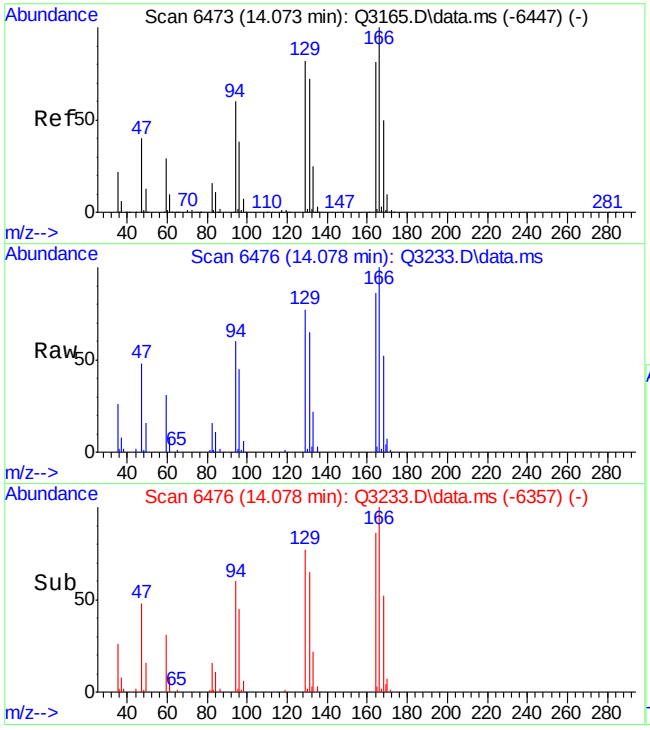
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3233.D
Acq On : 13 Apr 2007 7:10 pm
Operator : DANAT
Sample : m63981-7 (D019)
Misc : MS13369,MSQ172,,,,,200
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 16 15:50:31 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

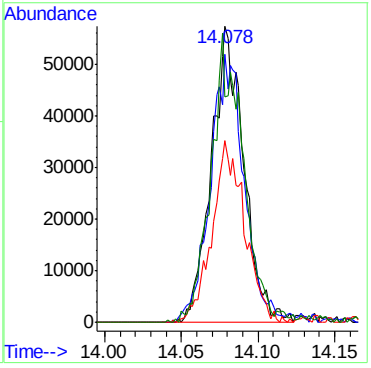




#51
TETRACHLOROETHYLENE
Concen: 2.91 PPBV
RT: 14.078 min Scan# 6476
Delta R.T. 0.005 min
Lab File: Q3233.D
Acq: 13 Apr 2007 7:10 pm

Tgt Ion:164 Resp: 84045

Ion	Ratio	Lower	Upper
164	100		
129	96.3	79.9	119.9
168	61.6	42.7	82.7
131	98.0	74.8	114.8



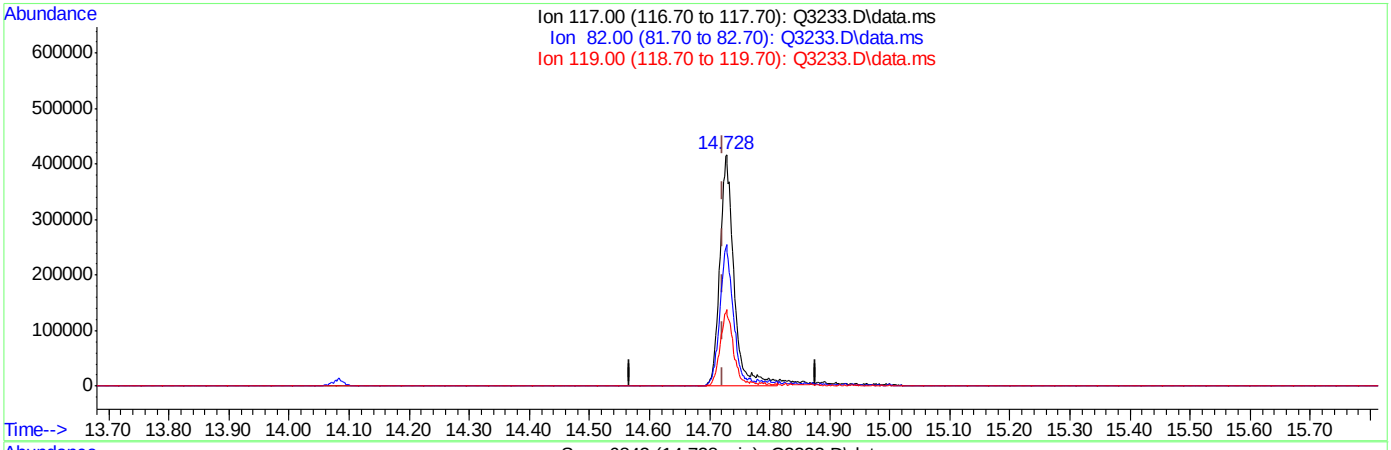
6.1.8

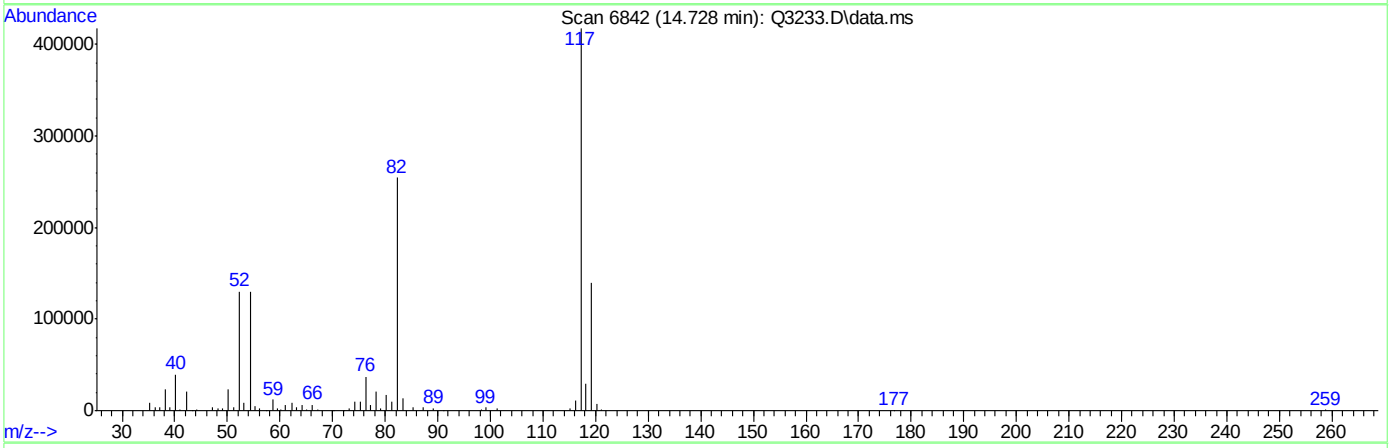
6

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3233.D
Acq On : 13 Apr 2007 7:10 pm
Operator : DANAT
Sample : m63981-7 (D019)
Misc : MS13369,MSQ172,,,,,200
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 16 15:32:42 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration





TIC: Q3233.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.728min (+0.005) 10.00PPBV

response 696395

Ion	Exp%	Act%
117.00	100	100
82.00	58.90	58.22
119.00	32.50	31.37
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3222.D
Acq On : 13 Apr 2007 11:09 am
Operator : DANAT
Sample : mb (M068)
Misc : MS13343,MSQ172,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 15:17:39 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.648	128	281786	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	1334811	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.723	117	1095498	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	398869	4.54	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 90.80%

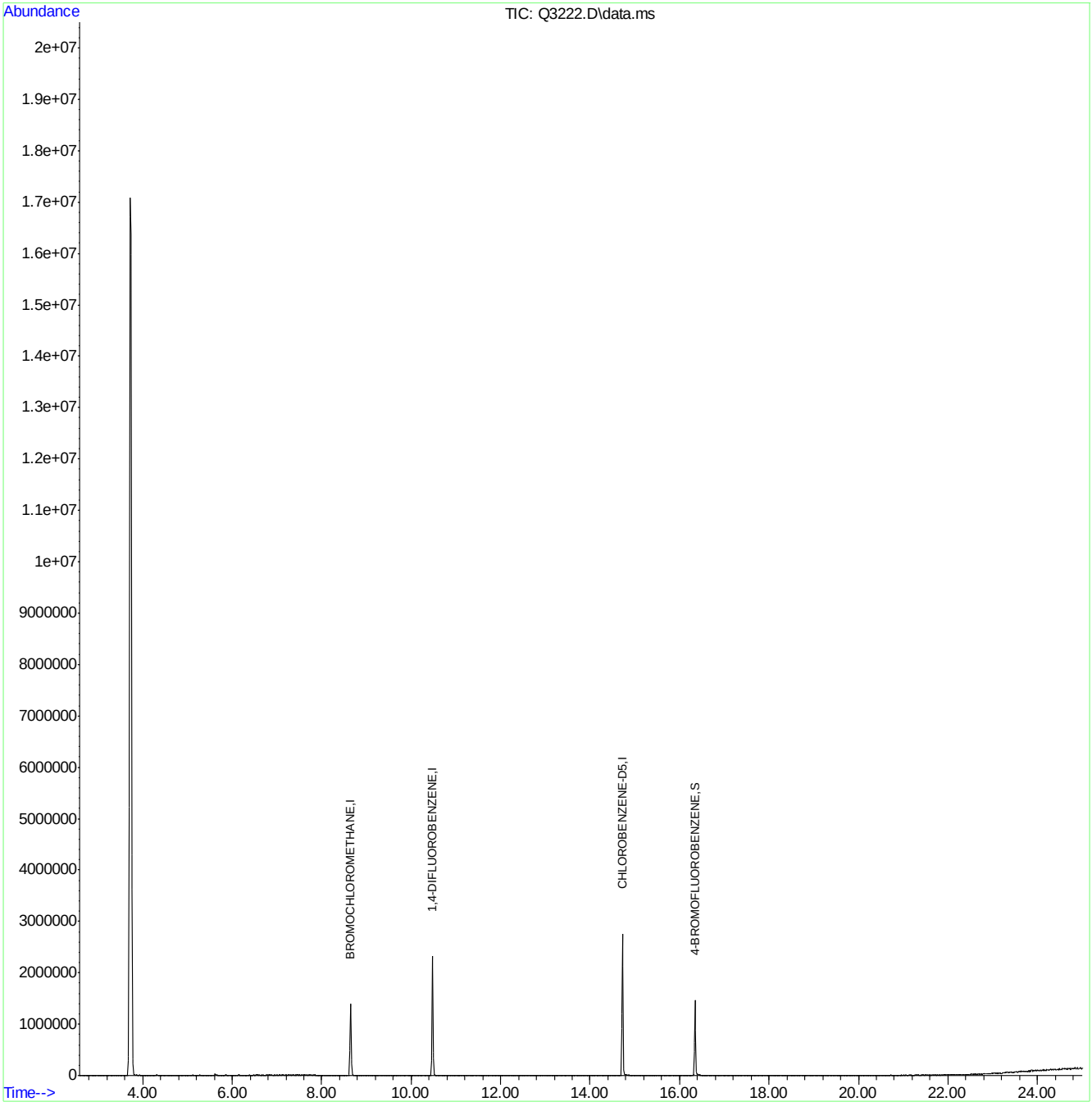
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3222.D
Acq On : 13 Apr 2007 11:09 am
Operator : DANAT
Sample : mb (M068)
Misc : MS13343,MSQ172,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 15:17:39 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
04/16/07 16:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3220A.D
Acq On : 13 Apr 2007 9:31 am
Operator : DANAT
Sample : BS (M119)
Misc : MS13343,MSQ172,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 15:15:42 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.637	128	308283	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	1451363	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	1235078	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.343	95	537767	5.42	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 108.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	1441614	8.37	PPBV	98
3) PROPYLENE	3.962	41	247884	10.59	PPBV	93
4) FREON 114	4.294	85	1119285	8.32	PPBV	93
5) CHLOROMETHANE	4.195	50	317655	10.24	PPBV	100
6) VINYL CHLORIDE	4.418	62	341747	9.52	PPBV	100
7) 1,3-BUTADIENE	4.558	39	336427	11.30	PPBV	91
8) BROMOMETHANE	4.834	94	341537	8.35	PPBV	99
9) CHLOROETHANE	5.013	64	161040	10.86	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.794	101	1352974	7.95	PPBV	99
11) ISOPROPYL ALCOHOL	5.829	45	587037	10.54	PPBV	100
12) ACETONE	5.598	43	599574	11.75	PPBV	96
13) PENTANE	6.149	42	373473	10.16	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.427	96	368191	9.08	PPBV	89
15) CARBON DISULFIDE	6.860	76	1152700	10.28	PPBV	95
16) ETHANOL	5.098	45	99394	11.67	PPBV	96
17) BROMOETHENE	5.373	106	336084	8.29	PPBV	97
18) METHYLENE CHLORIDE	6.544	84	351505	11.24	PPBV	85
19) 3-CHLOROPROPENE	6.665	39	421651	11.71	PPBV	97
20) FREON 113	6.800	151	694363	8.19	PPBV	90
21) TRANS-1,2-DICHLOROETHY...	7.476	96	380573	10.82	PPBV	89
22) TERTIARY BUTYL ALCOHOL	6.429	59	760772	9.72	PPBV	93
23) METHYL TERTIARY BUTYL ...	7.716	73	836360	10.38	PPBV	95
24) TETRAHYDROFURAN	9.148	42	244905	10.58	PPBV	86
25) HEXANE	8.676	57	387195	8.23	PPBV	90
26) VINYL ACETATE	7.796	43	722827	12.35	PPBV	95
27) 1,1-DICHLOROETHANE	7.673	63	766739	12.06	PPBV	98
28) METHYL ETHYL KETONE	8.041	43	539391	9.66	PPBV	88
29) cis-1,2-DICHLOROETHYLENE	8.481	96	251513	8.41	PPBV #	82
30) ETHYL ACETATE	8.674	43	935359	10.44	PPBV	99
31) CHLOROFORM	8.763	83	807633	8.72	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.716	97	841138	8.57	PPBV	95
33) CARBON TETRACHLORIDE	10.300	117	987821	8.31	PPBV	99
34) 1,2-DICHLOROETHANE	9.473	62	548597	8.86	PPBV	99
36) BENZENE	10.158	78	659856	8.16	PPBV	97
37) CYCLOHEXANE	10.428	84	293686	8.66	PPBV	89
38) TRICHLOROETHYLENE	11.159	95	447481	9.21	PPBV	96
39) 1,2-DICHLOROPROPANE	10.933	63	242972	8.47	PPBV	99
40) BROMODICHLOROMETHANE	11.118	83	763312	9.24	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.178	57	1360421	10.43	PPBV	97
42) 1,4-DIOXANE	11.146	88	131643	11.04	PPBV	87
43) HEPTANE	11.418	43	534093	11.81	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3220A.D
Acq On : 13 Apr 2007 9:31 am
Operator : DANAT
Sample : BS (M119)
Misc : MS13343,MSQ172,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 15:15:42 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

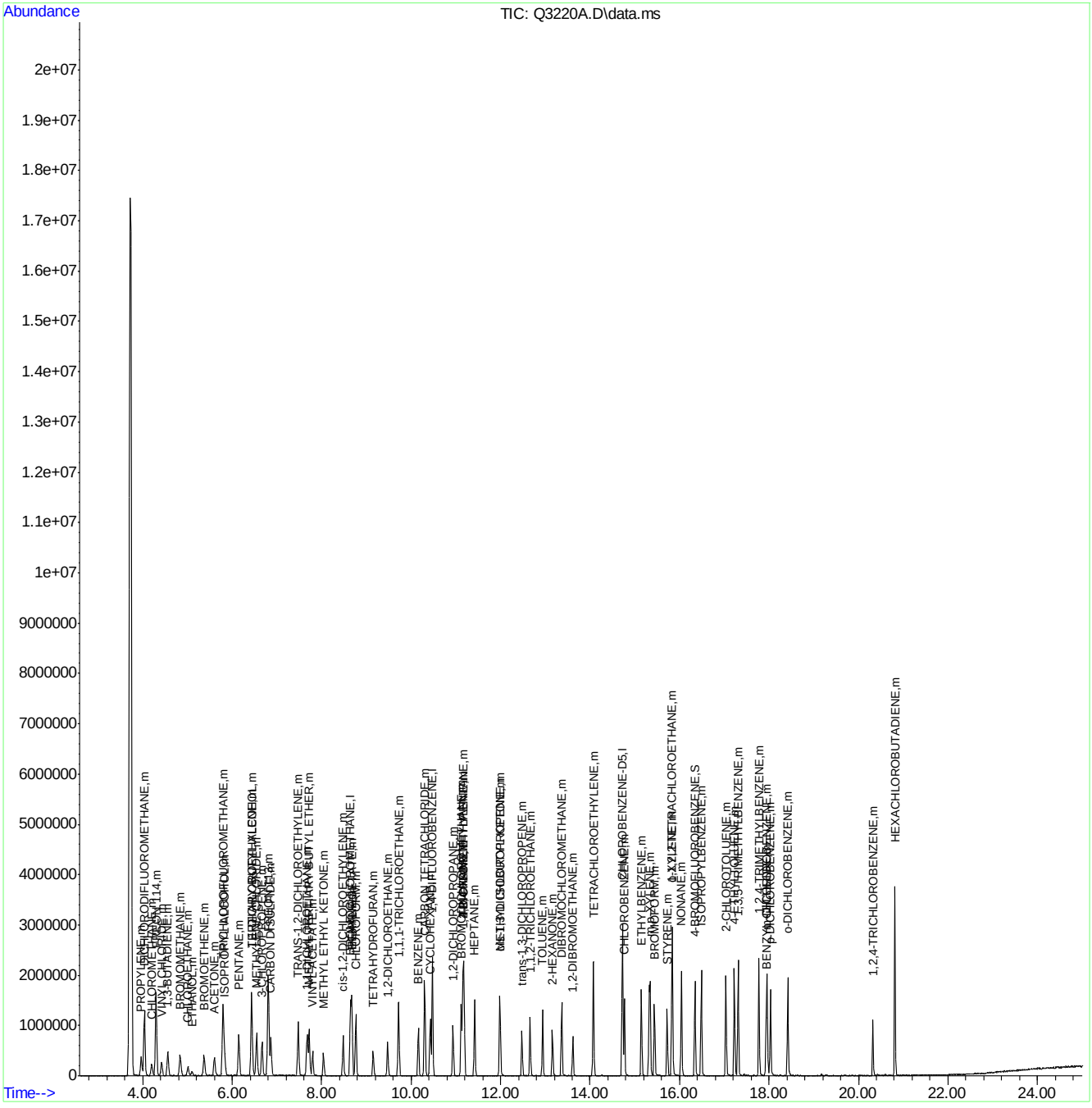
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.989	43	691843	11.79 PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.973	75	375438	8.43 PPBV #	81
46) TOLUENE	12.937	92	414682	7.72 PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.476	75	355680	10.28 PPBV	88
48) 1,1,2-TRICHLOROETHANE	12.659	83	250319	7.94 PPBV	97
50) 2-HEXANONE	13.157	43	573584	13.67 PPBV	93
51) TETRACHLOROETHYLENE	14.071	164	366868	7.83 PPBV	97
52) DIBROMOCHLOROMETHANE	13.365	129	629422	8.57 PPBV	99
53) 1,2-DIBROMOETHANE	13.615	107	423685	7.79 PPBV	100
54) CHLOROBENZENE	14.769	112	607330	8.05 PPBV	93
55) ETHYLBENZENE	15.149	91	997809	8.40 PPBV	99
56) m,p-XYLENE	15.344	106	735215m	17.20 PPBV	
57) o-XYLENE	15.842	106	383193	8.56 PPBV	99
58) STYRENE	15.722	104	491589	9.24 PPBV	98
59) NONANE	16.043	43	728557	12.09 PPBV	94
60) BROMOFORM	15.440	173	562455	8.31 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.828	83	679530	8.65 PPBV	99
63) ISOPROPYLBENZENE	16.485	105	1168572	8.20 PPBV	98
64) 2-CHLOROTOLUENE	17.035	91	912475	8.87 PPBV	98
65) 4-ETHYLTOLUENE	17.225	105	1108472	10.32 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	1050050	9.19 PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	1007701	10.16 PPBV	100
68) m-DICHLOROBENZENE	17.958	146	596265	9.92 PPBV	99
69) BENZYL CHLORIDE	17.933	91	635850	13.21 PPBV	98
70) p-DICHLOROBENZENE	18.031	146	559214	10.56 PPBV	100
71) o-DICHLOROBENZENE	18.418	146	586587	9.55 PPBV	99
72) HEXACHLOROBUTADIENE	20.814	225	490649	12.35 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.322	180	236591	21.36 PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3220A.D
Acq On : 13 Apr 2007 9:31 am
Operator : DANAT
Sample : BS (M119)
Misc : MS13343,MSQ172,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 15:15:42 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration



ACCUTEST Laboratories
M63981

Quantitation Report (Qedit)

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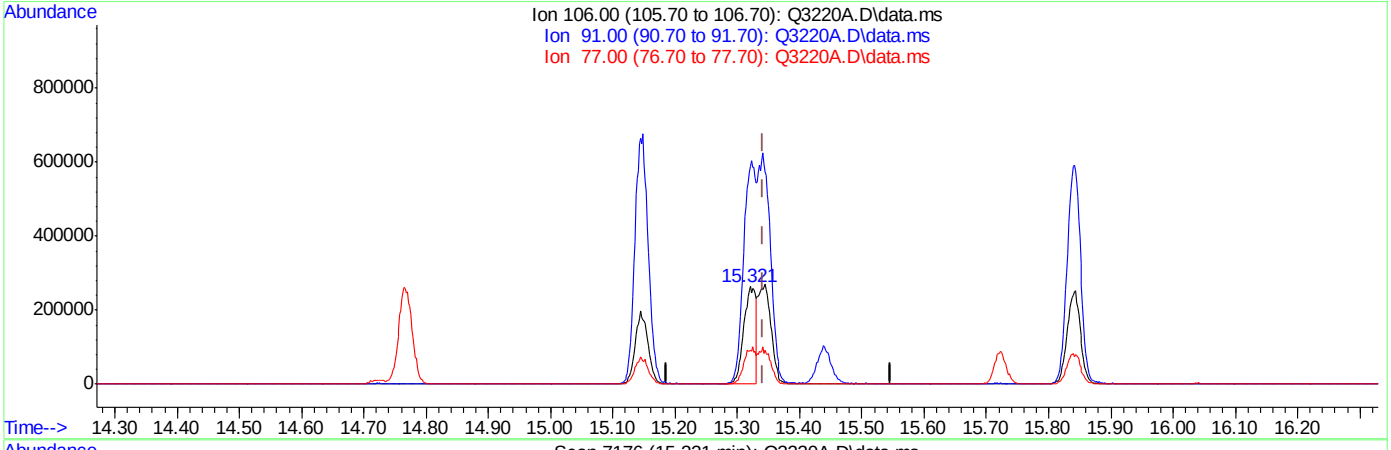
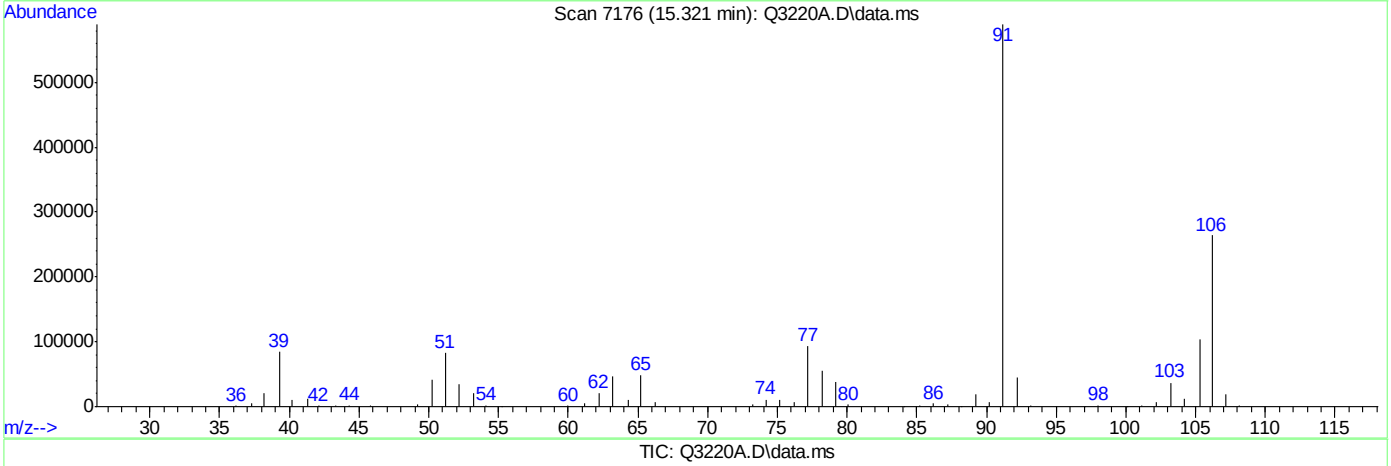
Data Path : C:\msdchem\1\DATA\
Data File : Q3220A.D
Acq On    : 13 Apr 2007   9:31 am
Operator  : DANAT
Sample    : BS (M119)
Misc      : MS13343,MSQ172,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Apr 16 15:15:34 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration
```



TIC: Q3220A.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.021) 8.03PPBV

response 343281

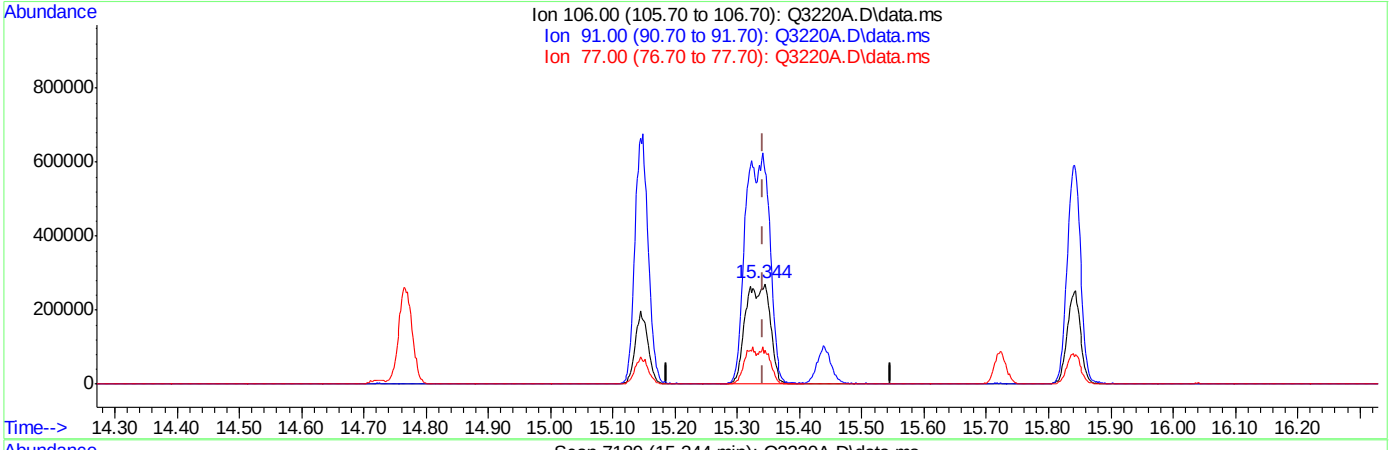
Ion	Exp%	Act%
106.00	100	100
91.00	219.40	223.08
77.00	32.60	35.38
0.00	0.00	0.00

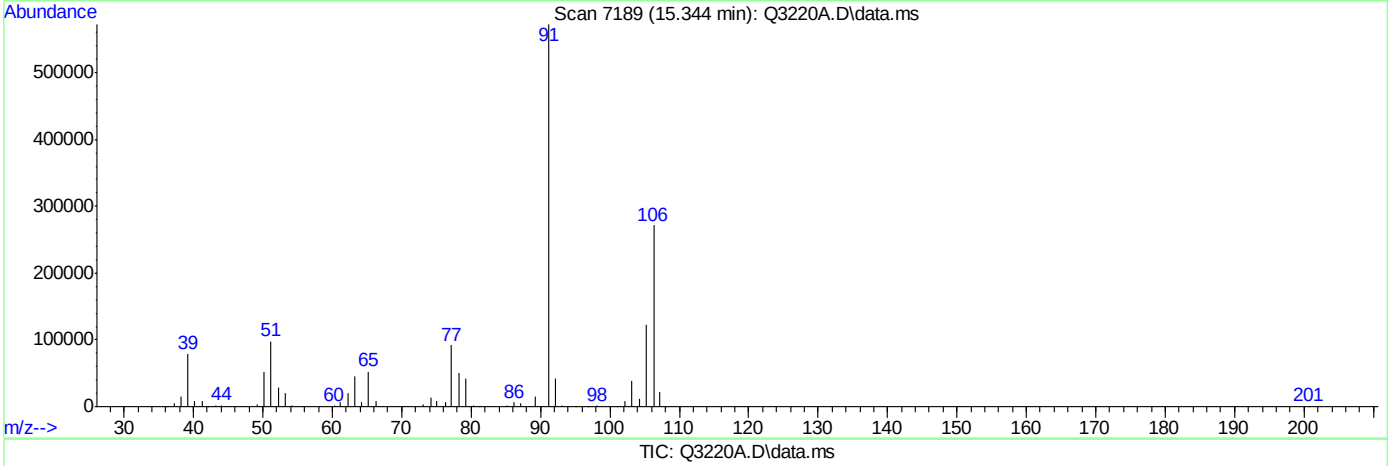
ACCUTEST Laboratories M63981

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3220A.D
Acq On : 13 Apr 2007 9:31 am
Operator : DANAT
Sample : BS (M119)
Misc : MS13343,MSQ172,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 15:15:34 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration





TIC: Q3220A.D\data.ms

(56) m,p-XYLENE (m)

15.344min (+0.002) 17.20PPBV m

response 735215

Ion	Exp%	Act%
106.00	100	100
91.00	219.40	210.87
77.00	32.60	33.85
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3227.D
Acq On : 13 Apr 2007 2:51 pm
Operator : DANAT
Sample : m63981-1dup (M147)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 16 15:25:59 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.642	128	296561	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.474	114	1265755	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	983531	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.343	95	362911	4.60	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 92.00%

Target Compounds						Qvalue
5) CHLOROMETHANE	4.202	50	13722	0.46	PPBV	78
12) ACETONE	5.614	43	98316	1.49	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.433	96	254025	6.51	PPBV	100
27) 1,1-DICHLOROETHANE	7.668	63	40176	0.66	PPBV	98
31) CHLOROFORM	8.763	83	89311	1.00	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.719	97	1121768	11.89	PPBV	97
38) TRICHLOROETHYLENE	11.159	95	161345	3.81	PPBV	98
51) TETRACHLOROETHYLENE	14.073	164	101156	2.71	PPBV	98

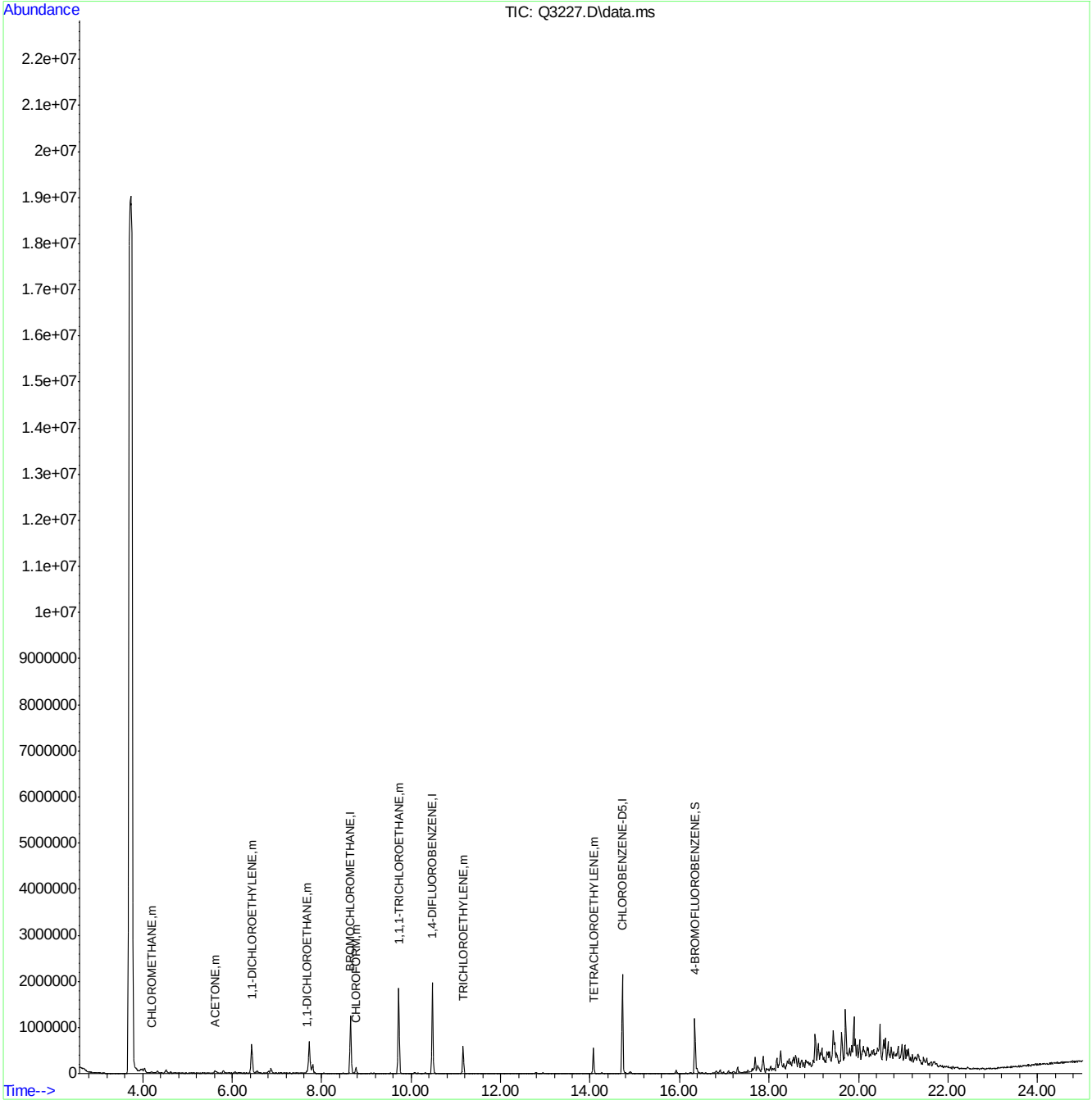
(#) = qualifier out of range (m) = manual integration (+) = signals summed

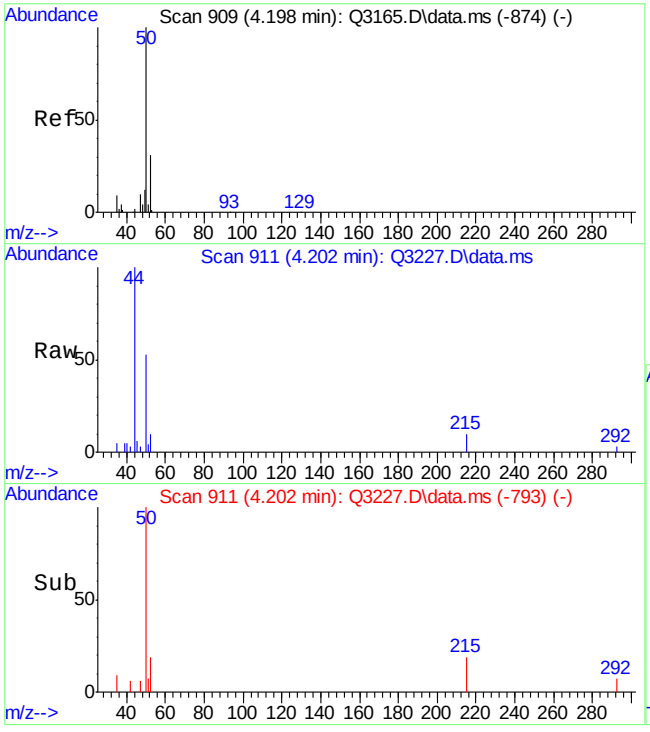
ACCUTEST Laboratories

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3227.D
Acq On : 13 Apr 2007 2:51 pm
Operator : DANAT
Sample : m63981-1dup (M147)
Misc : MS13369,MSQ172,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 16 15:25:59 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

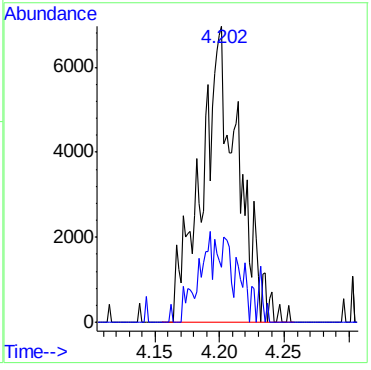


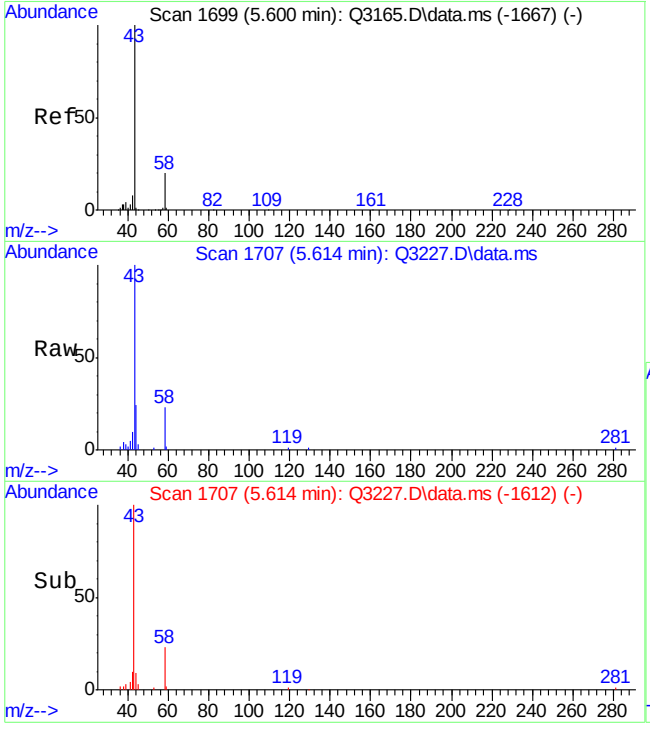


#5
CHLOROMETHANE
Concen: 0.46 PPBV
RT: 4.202 min Scan# 911
Delta R.T. 0.004 min
Lab File: Q3227.D
Acq: 13 Apr 2007 2:51 pm

Tgt Ion: 50 Resp: 13722

Ion	Ratio	Lower	Upper
50	100		
52	18.7	10.8	50.8

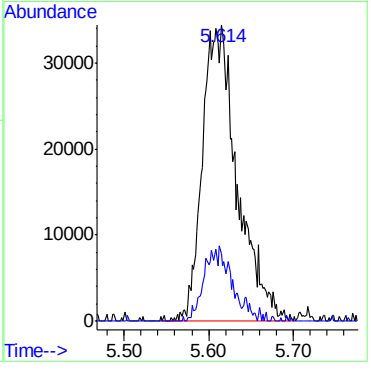


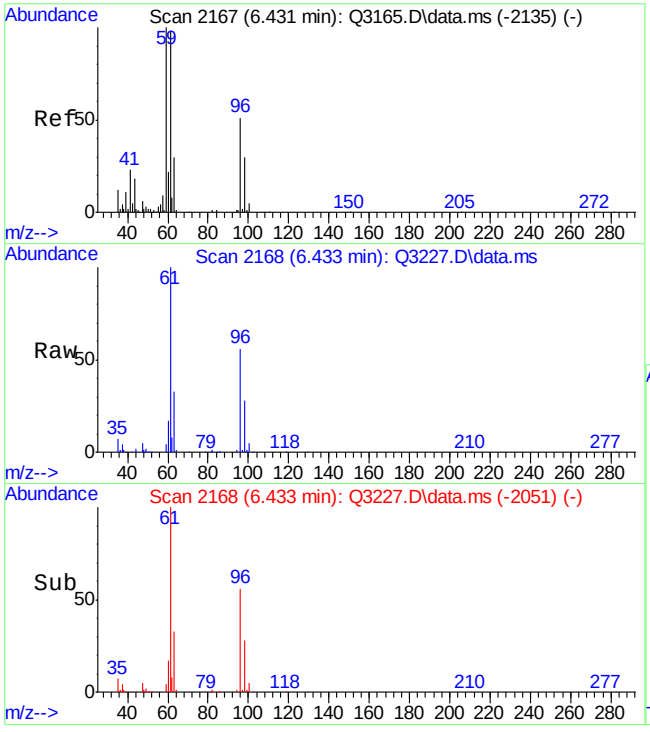


#12
ACETONE
Concen: 1.49 PPBV
RT: 5.614 min Scan# 1707
Delta R.T. 0.014 min
Lab File: Q3227.D
Acq: 13 Apr 2007 2:51 pm

Tgt Ion: 43 Resp: 98316

Ion	Ratio	Lower	Upper
43	100		
58	19.9	1.6	41.6

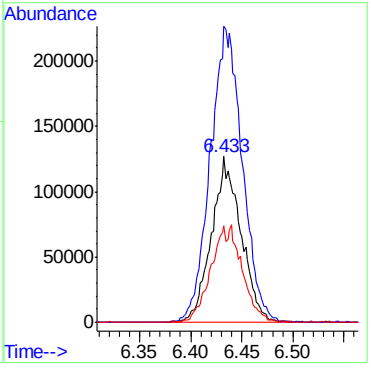


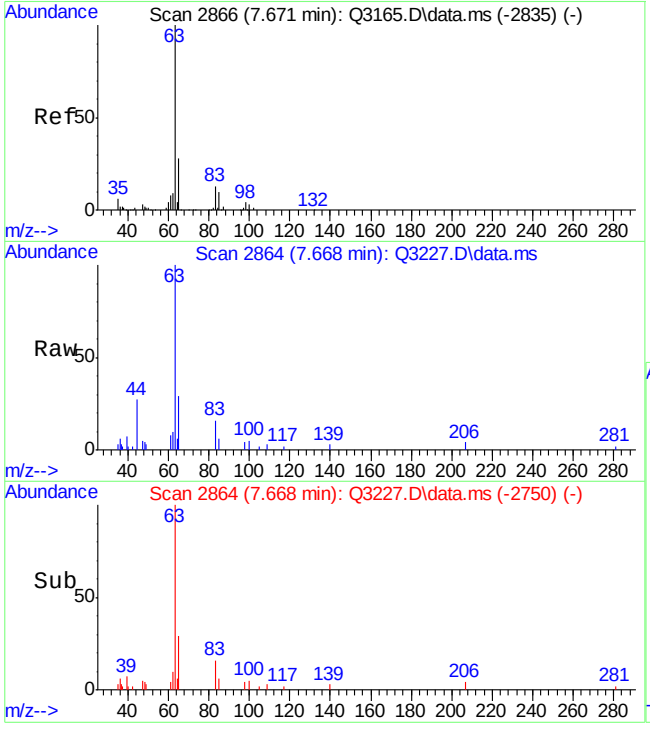


#14
1,1-DICHLOROETHYLENE
Concen: 6.51 PPBV
RT: 6.433 min Scan# 2168
Delta R.T. 0.002 min
Lab File: Q3227.D
Acq: 13 Apr 2007 2:51 pm

Tgt Ion: 96 Resp: 254025

Ion	Ratio	Lower	Upper
96	100		
61	194.1	174.0	214.0
63	62.0	41.7	81.7

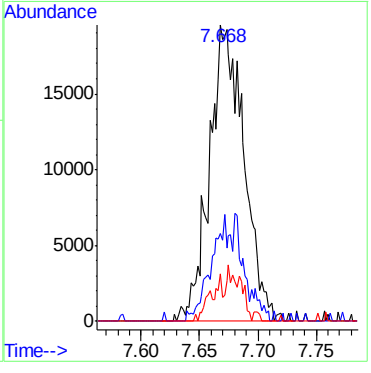


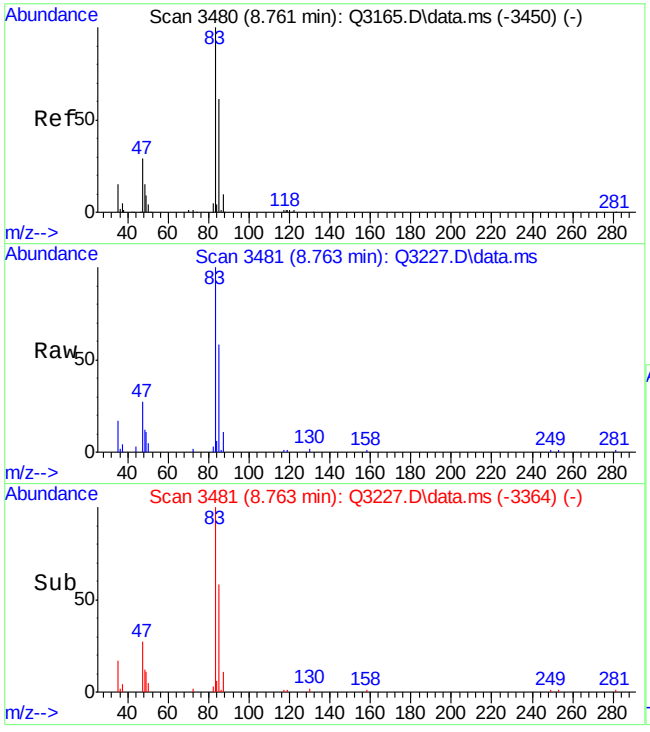


#27
1,1-DICHLOROETHANE
Concen: 0.66 PPBV
RT: 7.668 min Scan# 2864
Delta R.T. -0.003 min
Lab File: Q3227.D
Acq: 13 Apr 2007 2:51 pm

Tgt Ion: 63 Resp: 40176

Ion	Ratio	Lower	Upper
63	100		
65	32.5	11.9	51.9
83	13.6	0.0	35.3

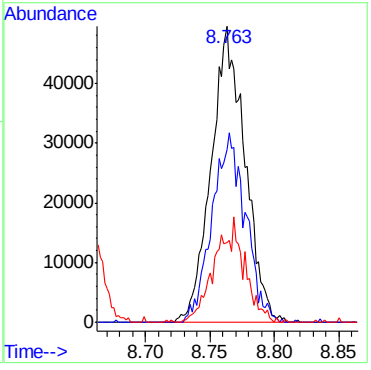


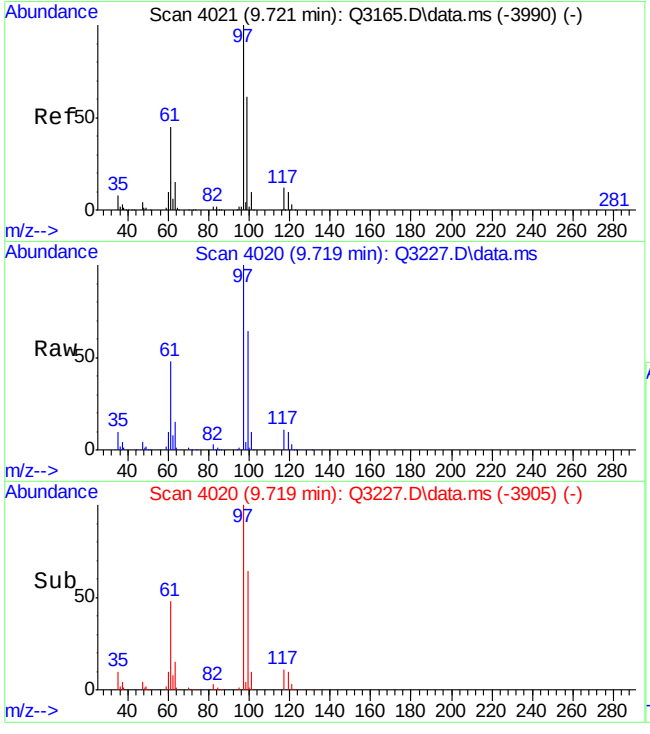


#31
CHLOROFORM
Concen: 1.00 PPBV
RT: 8.763 min Scan# 3481
Delta R.T. 0.002 min
Lab File: Q3227.D
Acq: 13 Apr 2007 2:51 pm

Tgt Ion: 83 Resp: 89311

Ion	Ratio	Lower	Upper
83	100		
85	63.5	45.0	85.0
47	31.4	8.6	48.6

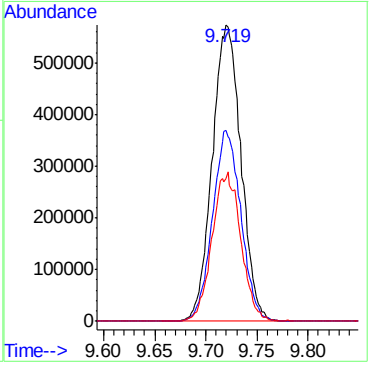


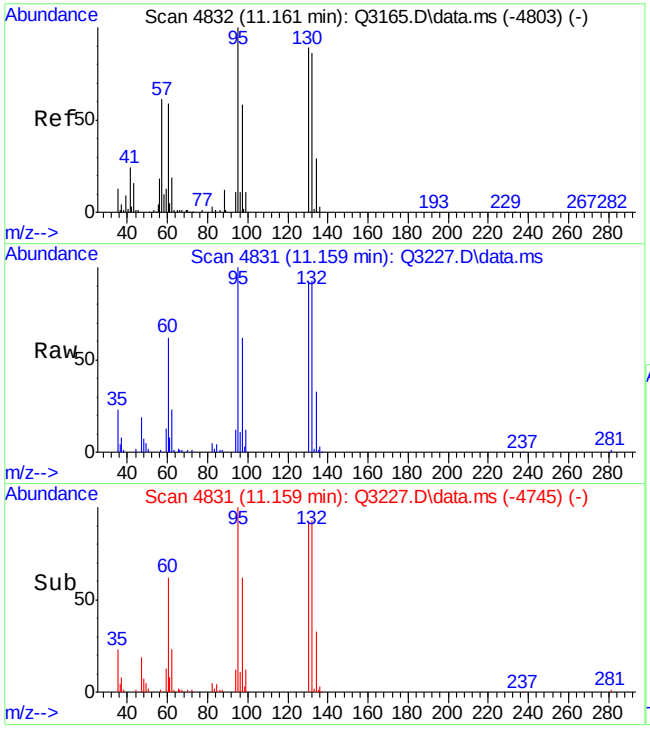


#32
1,1,1-TRICHLOROETHANE
Concen: 11.89 PPBV
RT: 9.719 min Scan# 4020
Delta R.T. -0.002 min
Lab File: Q3227.D
Acq: 13 Apr 2007 2:51 pm

Tgt Ion: 97 Resp: 1121768

Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.4	83.4
61	50.1	26.1	66.1

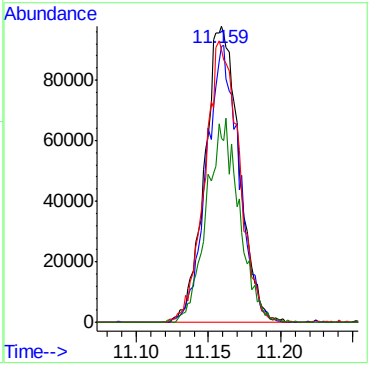


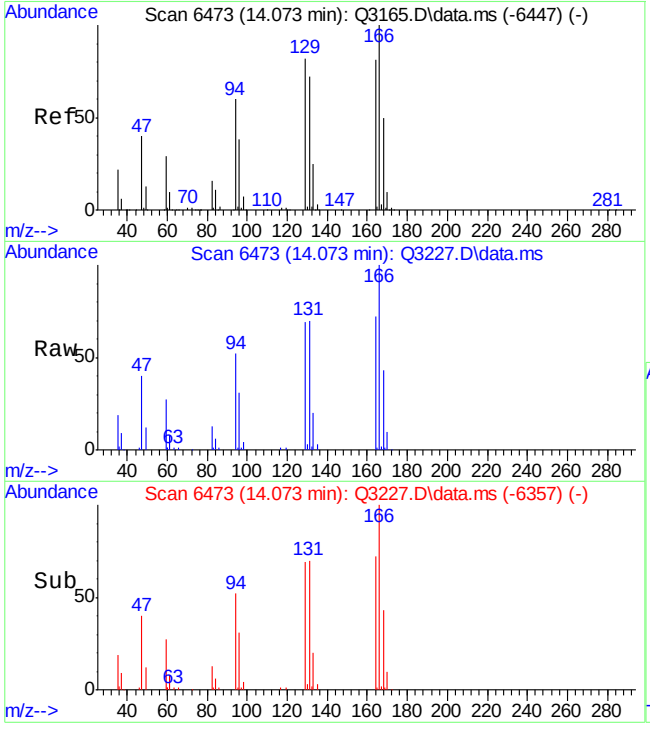


#38
TRICHLOROETHYLENE
Concen: 3.81 PPBV
RT: 11.159 min Scan# 4831
Delta R.T. -0.002 min
Lab File: Q3227.D
Acq: 13 Apr 2007 2:51 pm

Tgt Ion: 95 Resp: 161345

Ion	Ratio	Lower	Upper
95	100		
132	89.6	67.9	107.9
130	94.2	71.5	111.5
97	65.4	44.4	84.4

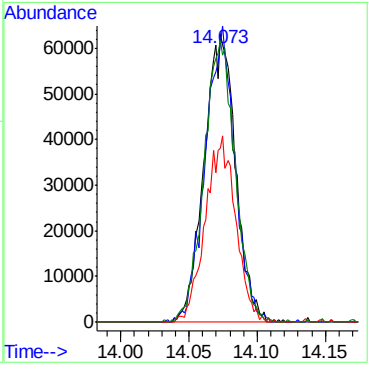




#51
TETRACHLOROETHYLENE
Concen: 2.71 PPBV
RT: 14.073 min Scan# 6473
Delta R.T. 0.000 min
Lab File: Q3227.D
Acq: 13 Apr 2007 2:51 pm

Tgt Ion:164 Resp: 101156

Ion	Ratio	Lower	Upper
164	100		
129	96.3	79.9	119.9
168	62.1	42.7	82.7
131	96.6	74.8	114.8

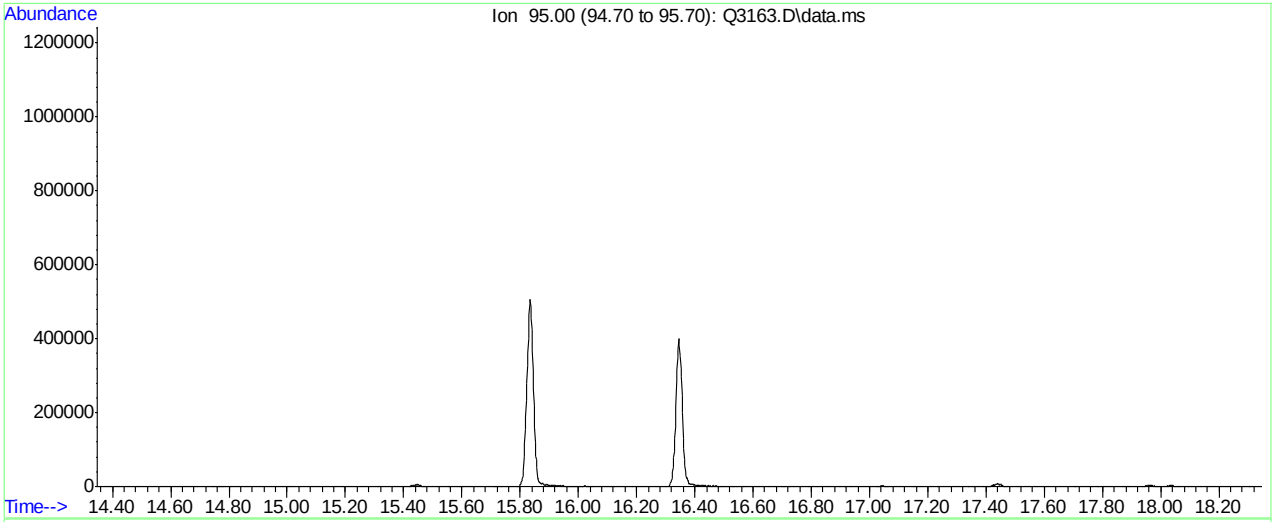


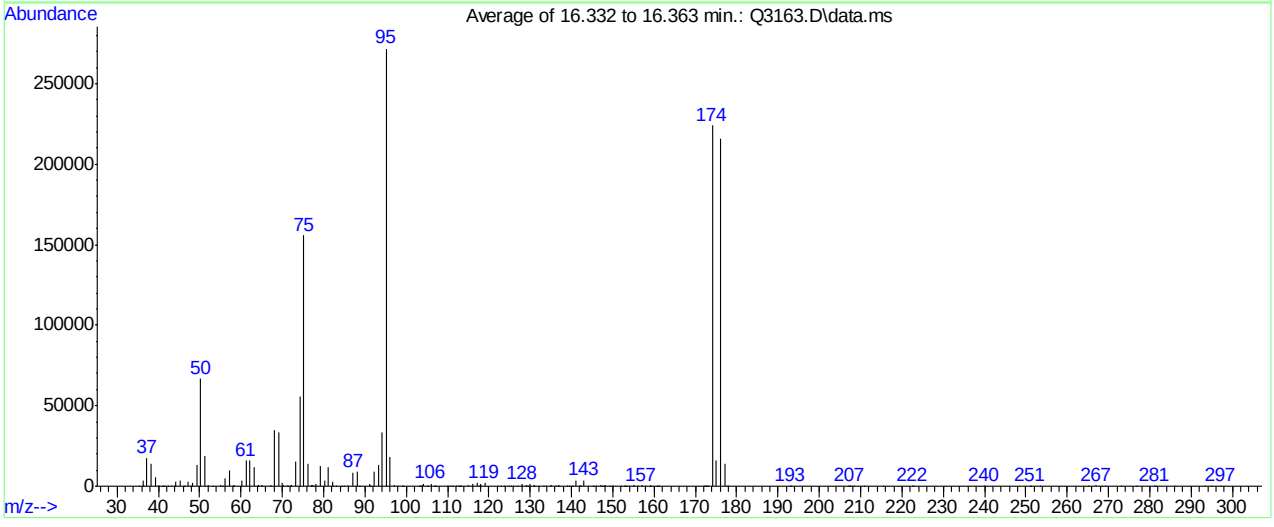
BFB

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

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

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





Spectrum Information: Average of 16.332 to 16.363 min.

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

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

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

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

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

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

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

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

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

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

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

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

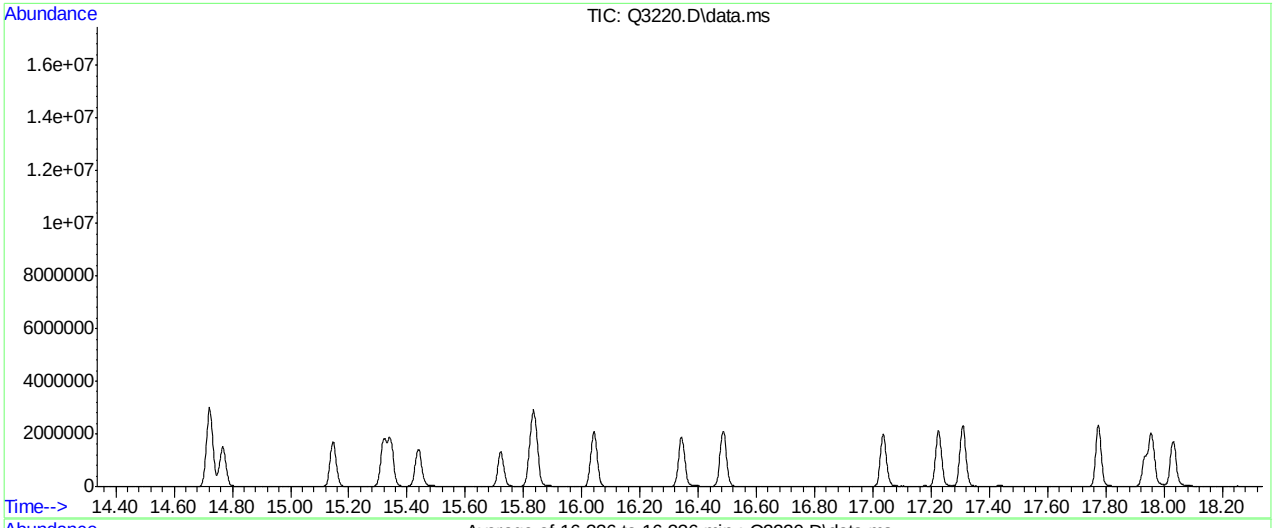
171.90	253	192.80	23	239.90	30	281.00	34
172.20	135	193.10	26	240.10	35	281.30	66
172.60	55	206.90	32	250.90	29	286.00	30
172.85	272	207.15	59	251.15	113	293.20	27
173.05	369	207.40	61	253.30	57	294.90	23
174.10	224074	207.70	25	265.20	24	297.20	33
175.10	15945	208.40	49	267.10	418		

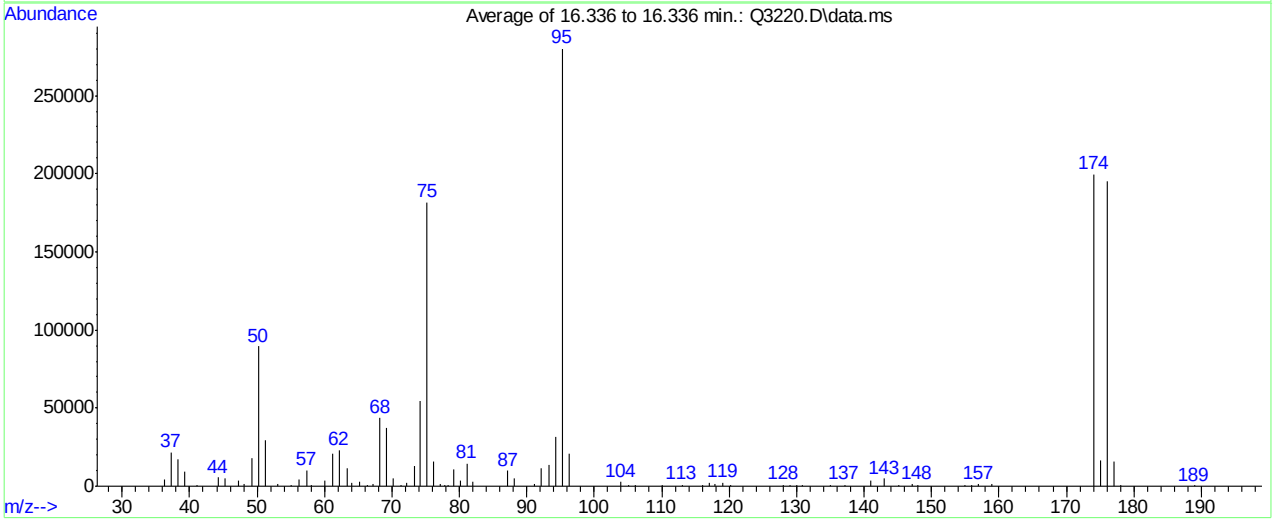
BFB

Data File : C:\msdchem\1\DATA\Q3220.D
Acq On : 13 Apr 2007 9:31 am
Sample : cc169-10 (M119)
Misc : MS13343,MSQ172,,,,,1
MS Integration Params: LSCINT.P

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

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





Spectrum Information: Average of 16.336 to 16.336 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	31.9	89472	PASS
75	95	30	66	64.8	181632	PASS
95	95	100	100	100.0	280192	PASS
96	95	5	9	7.3	20544	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	71.3	199744	PASS
175	174	4	9	8.3	16560	PASS
176	174	93	101	97.9	195520	PASS
177	176	5	9	8.0	15564	PASS

Q3220.D Q040907T.m Mon Apr 16 15:14:43 2007 RPT1

Average of 16.336 to 16.336 min.: Q3220.D\data.ms
cc169-10 (M119)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.30	4588	51.20	29568	65.20	2858	76.20	15736
37.20	21600	53.00	1374	66.40	630	77.20	1603
38.20	17200	55.10	866	67.20	1333	77.80	762
39.20	9341	56.20	4562	68.20	43512	78.30	798
41.10	864	57.30	10311	69.20	37184	79.10	11066
44.20	5516	58.10	402	70.20	5215	80.10	3340
45.20	5225	60.10	3419	71.30	942	81.10	14576
47.30	3644	61.20	21160	72.20	2481	82.00	2935
48.00	1732	62.20	22976	73.30	13002	87.20	9770
49.20	18240	63.30	11863	74.20	54696	88.10	5301
50.20	89472	64.10	1890	75.20	181632	91.10	1111

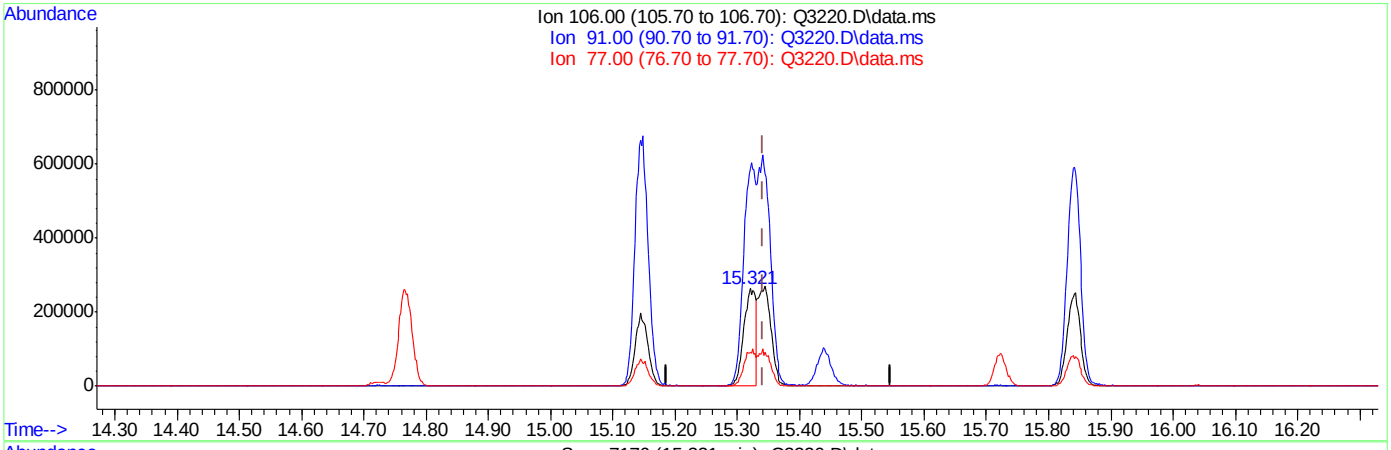
Average of 16.336 to 16.336 min.: Q3220.D\data.ms
cc169-10 (M119)

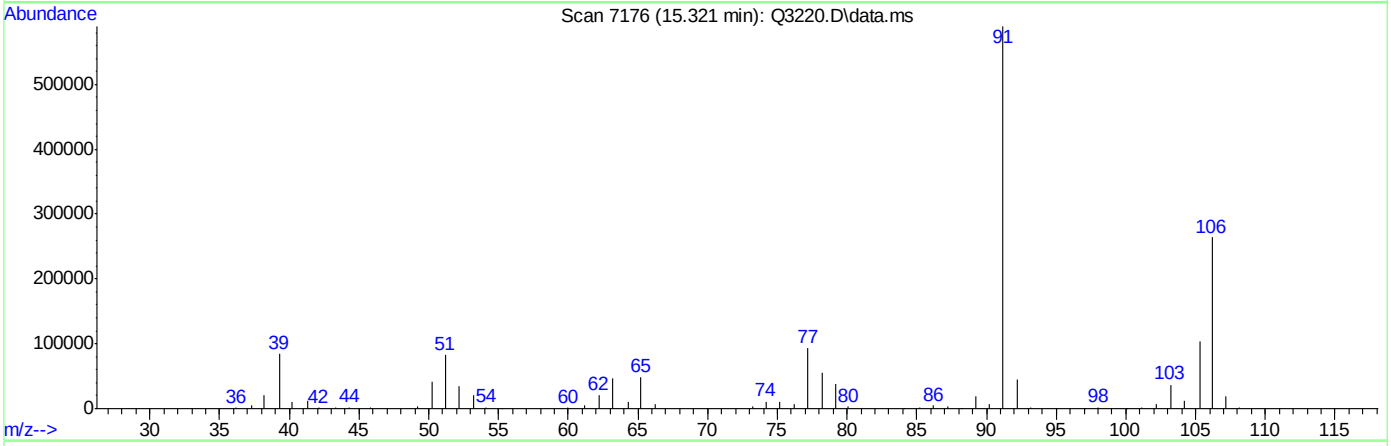
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.20	11467	117.10	2200	143.00	4741	177.10	15564
93.20	13876	117.90	1386	145.20	896	178.00	552
94.20	31496	119.10	2457	147.10	1219	189.00	446
95.20	280192	120.20	546	147.90	774		
96.20	20544	128.10	805	155.00	578		
104.00	2642	129.00	562	155.90	864		
105.00	547	130.00	636	157.00	1178		
106.10	940	130.90	631	158.90	1176		
110.00	463	135.00	729	174.10	199744		
113.00	736	137.10	763	175.10	16560		
116.10	922	141.00	3476	176.10	195520		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3220.D
Acq On : 13 Apr 2007 9:31 am
Operator : DANAT
Sample : cc169-10 (M119)
Misc : MS13343,MSQ172,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 14:59:57 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration





TIC: Q3220.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.021) 8.03PPBV

response 343281

Ion	Exp%	Act%
106.00	100	100
91.00	219.40	223.08
77.00	32.60	35.38
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3220.D
Acq On    : 13 Apr 2007   9:31 am
Operator  : DANAT
Sample    : cc169-10 (M119)
Misc      : MS13343,MSQ172,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Apr 16 14:59:57 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration
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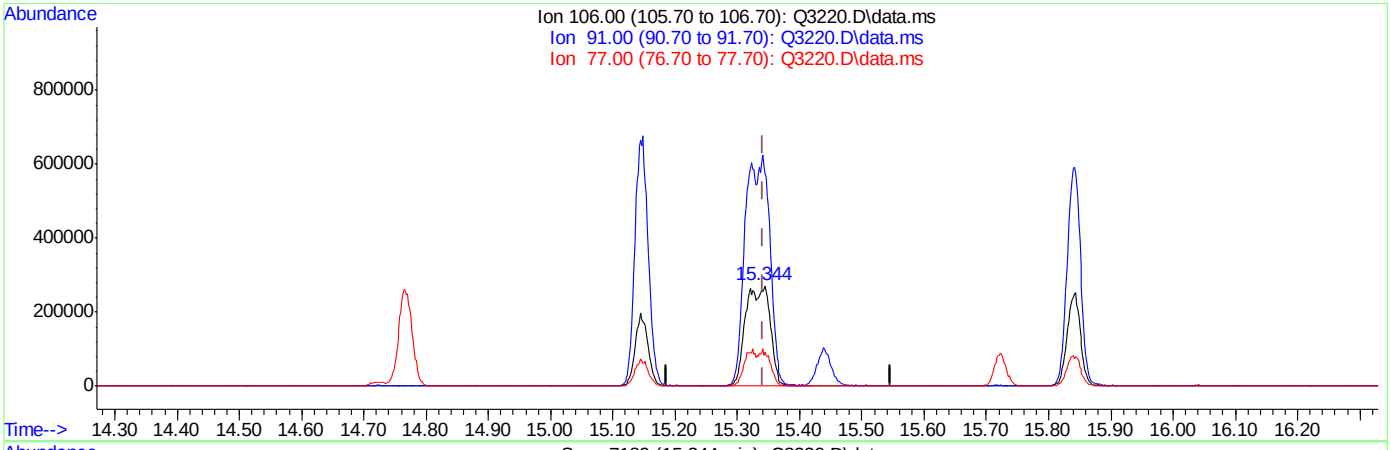
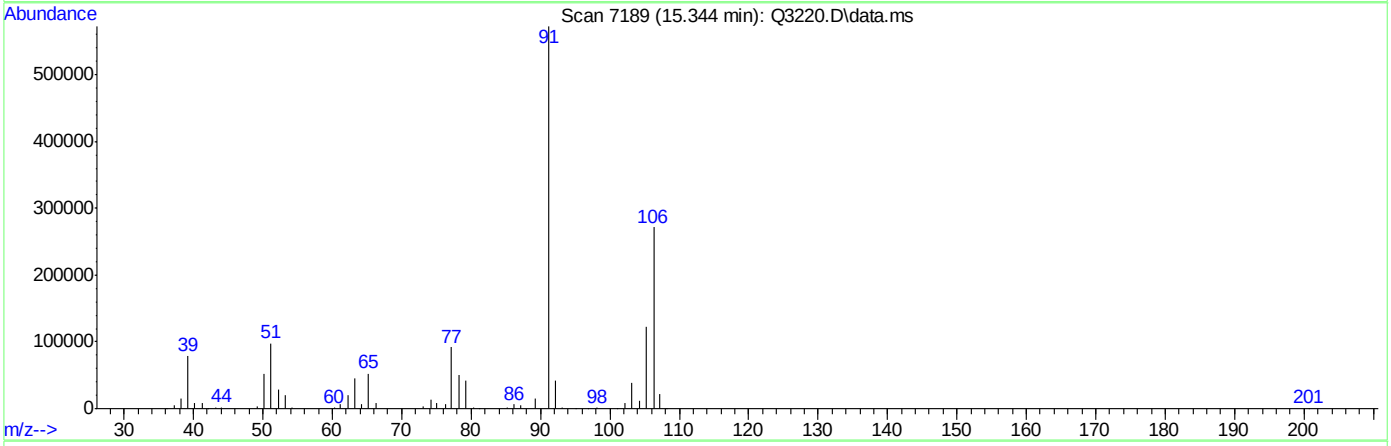




TIC: Q3220.D\data.ms

(56) m,p-XYLENE (m)

15.344min (+0.002) 17.20PPBV m

response 735486

Ion	Exp%	Act%
106.00	100	100
91.00	219.40	210.87
77.00	32.60	33.85
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.345	95	614390	5.11	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 102.20%

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

Quantitation Report (QT Reviewed)

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

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

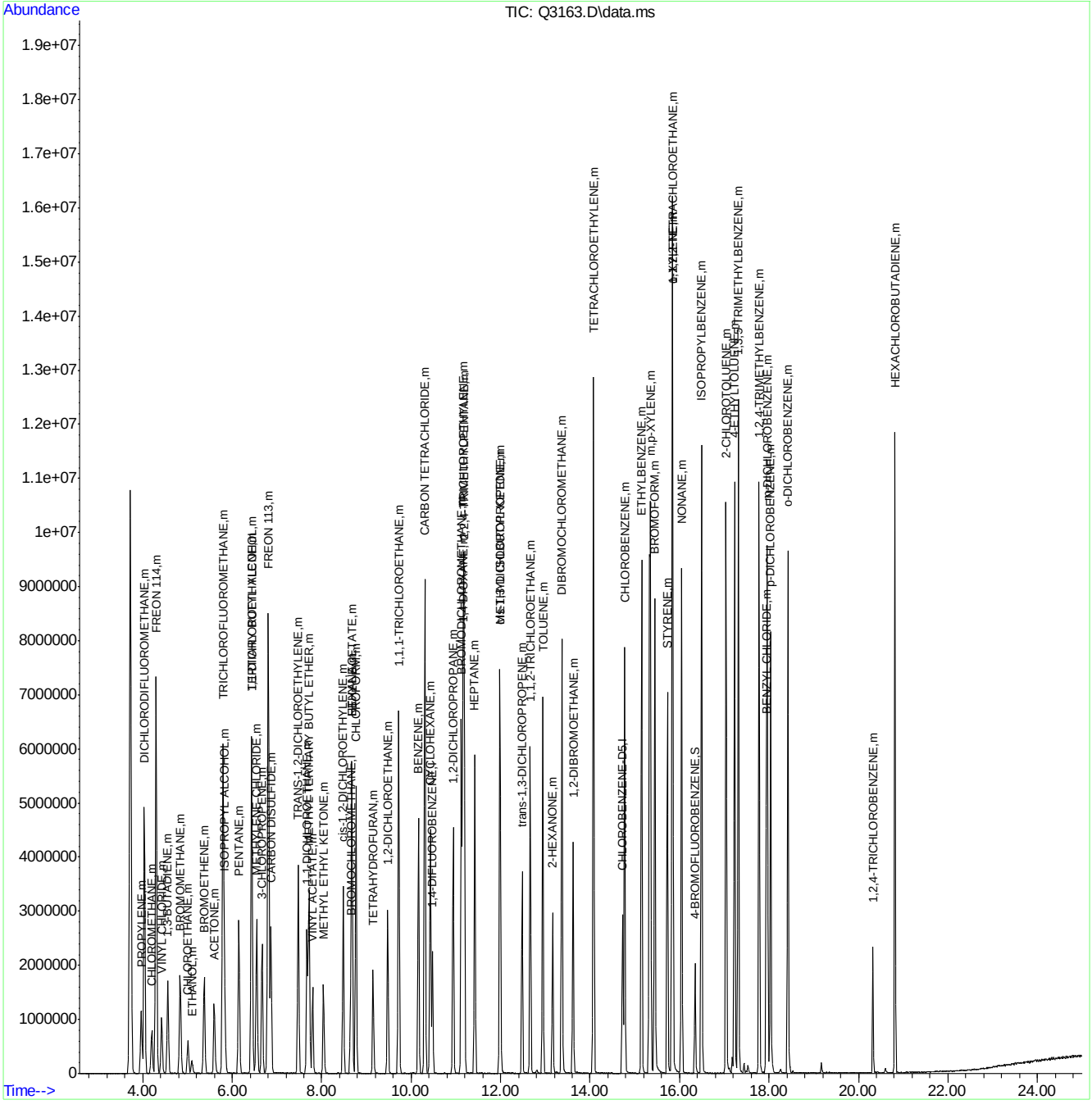
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.993	43	2742103	42.40	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.977	75	2179359	42.53	PPBV	99
46) TOLUENE	12.943	92	2496973	42.45	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.479	75	1694807	42.18	PPBV	99
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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



ACCUTEST Laboratories M63981

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.346	95	658735	4.79	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 95.80%			

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

Quantitation Report (QT Reviewed)

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

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

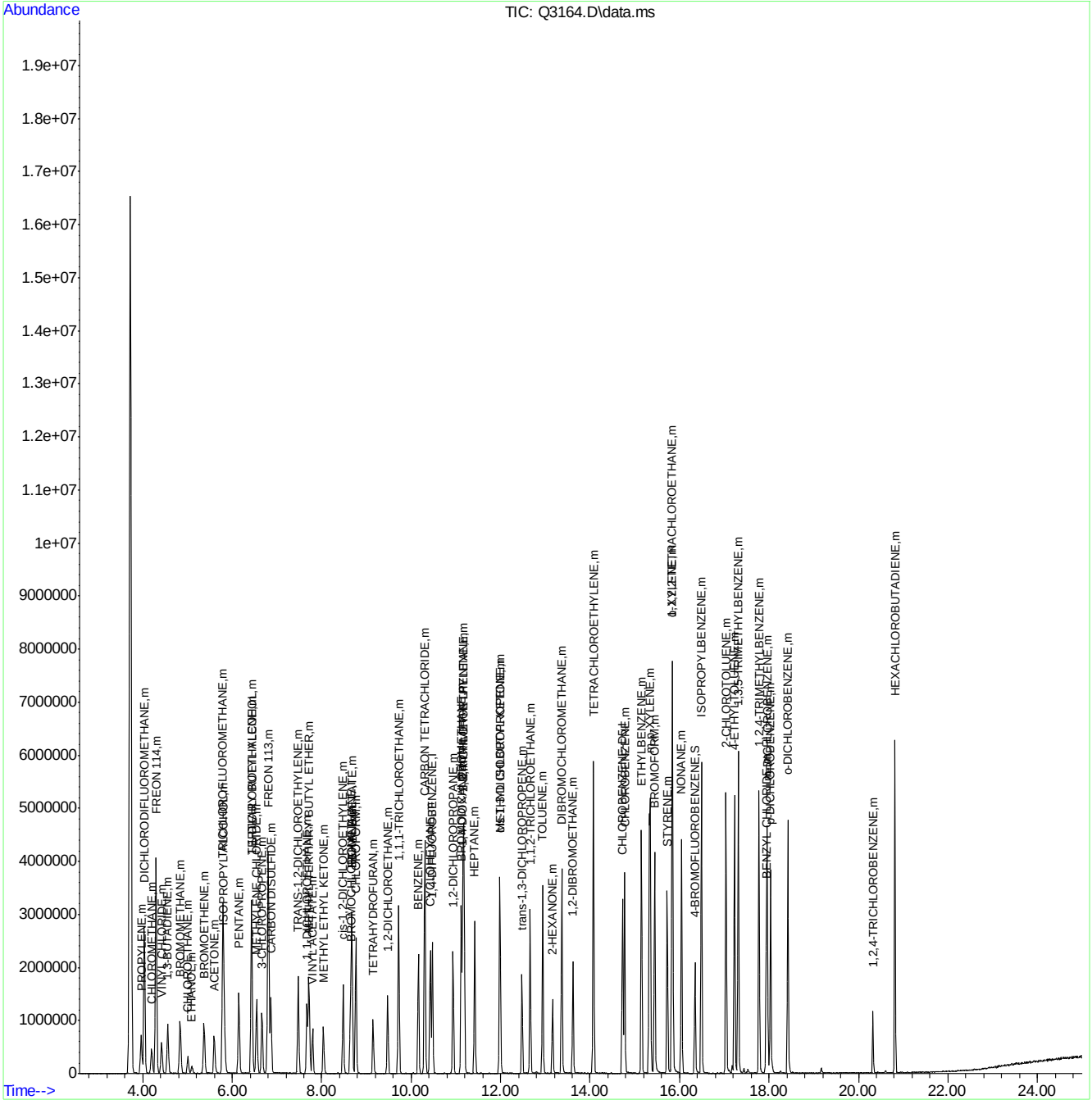
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.991	43	1366461	17.73	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.977	75	1079117	17.62	PPBV	98
46) TOLUENE	12.941	92	1241123	17.69	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.477	75	853966	17.93	PPBV	99
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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



ACCUTEST Laboratories M63981

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.346	95	488670	4.70	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 94.00%

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

Quantitation Report (QT Reviewed)

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

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

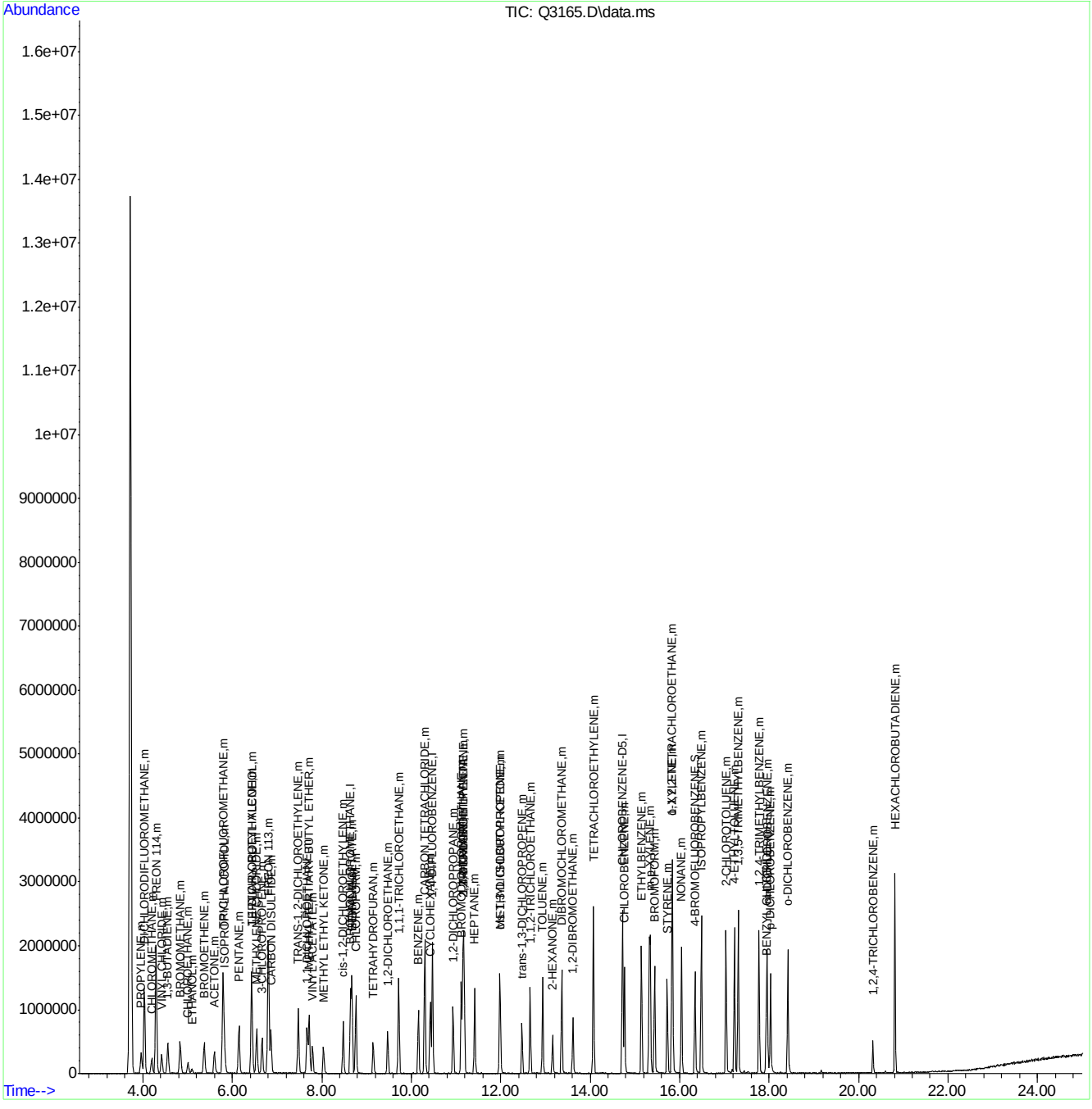
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.991	43	609660	10.24	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.977	75	453358	9.61	PPBV	99
46) TOLUENE	12.937	92	537669	9.93	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.477	75	349243	9.45	PPBV	100
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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



ACCUTEST Laboratories M63981

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.345	95	547840	4.73	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 94.60%

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

Quantitation Report (QT Reviewed)

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

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

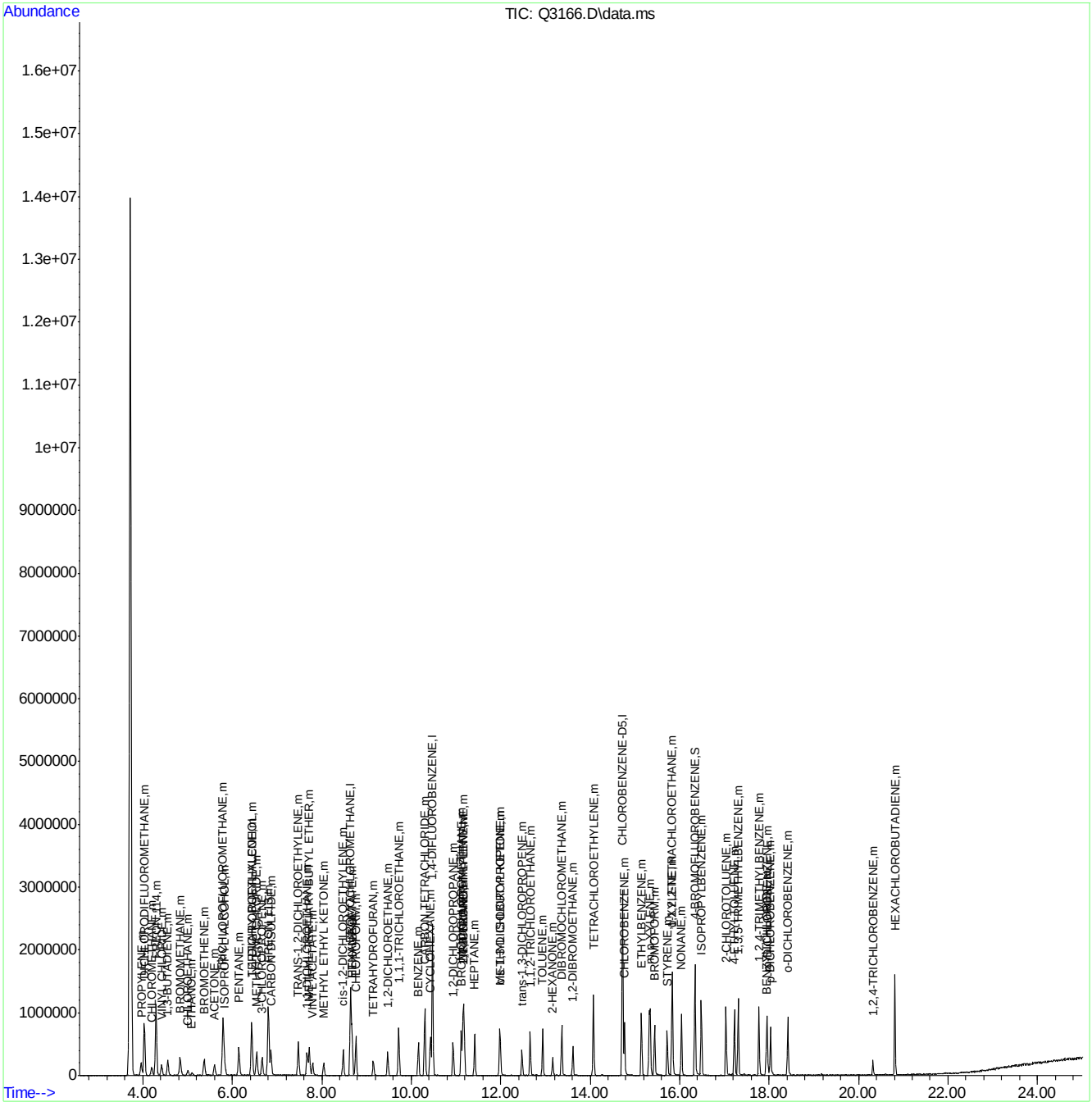
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.995	43	283960	4.09 PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.975	75	223463	4.15 PPBV	99
46) TOLUENE	12.941	92	267581	4.28 PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.477	75	168398	4.01 PPBV	97
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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



ACCUTEST Laboratories M63981

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.343	95	464608	4.67	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 93.40%

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

Quantitation Report (QT Reviewed)

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

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

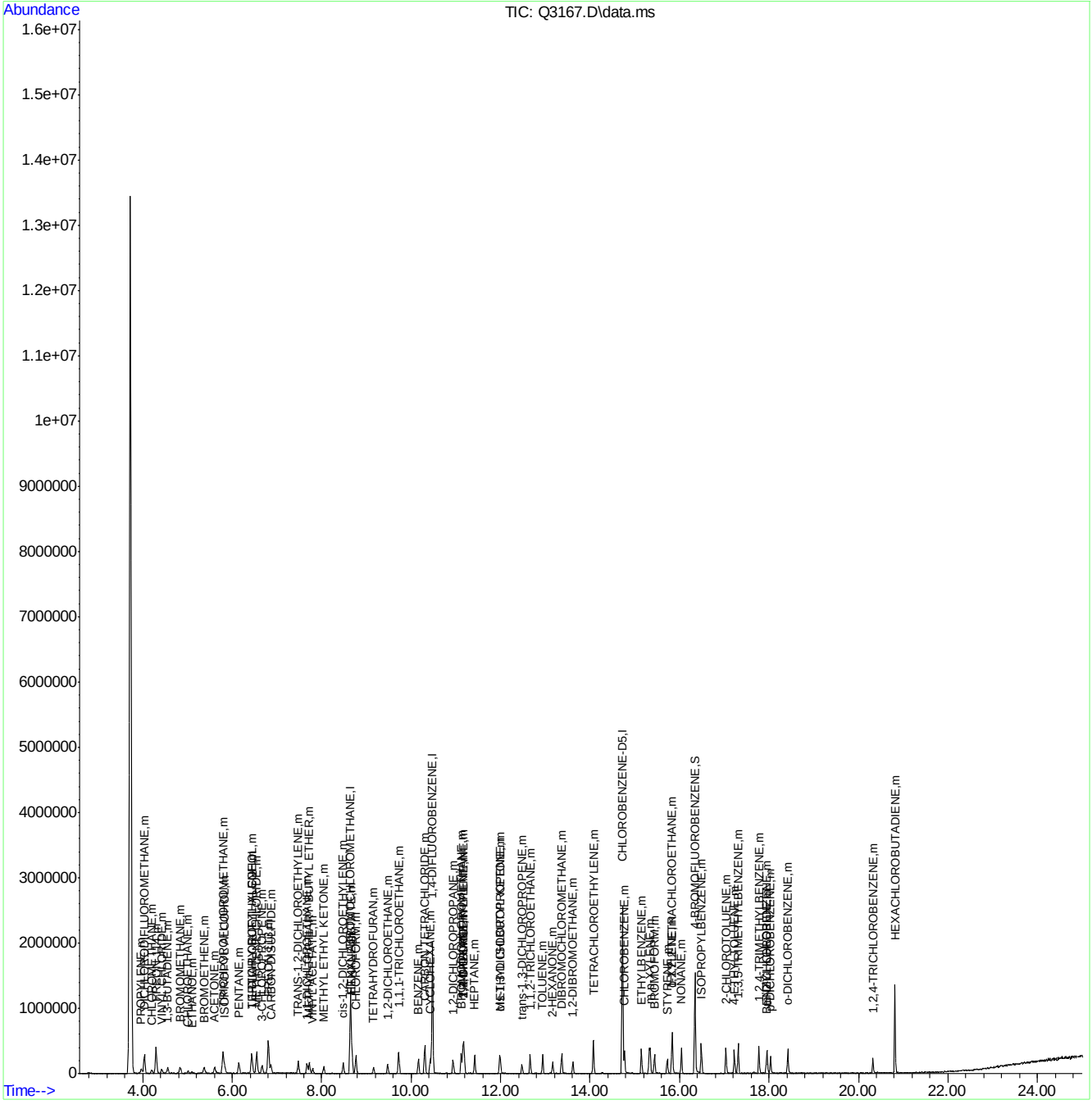
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.995	43	124490	2.18 PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.975	75	82019	1.85 PPBV	94
46) TOLUENE	12.937	92	101024	1.95 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.476	75	62348	1.81 PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.662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

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

Quantitation Report (QT Reviewed)

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

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



ACCUTEST Laboratories M63981

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

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.343	95	447931	4.51	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 90.20%

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

Quantitation Report (QT Reviewed)

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

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

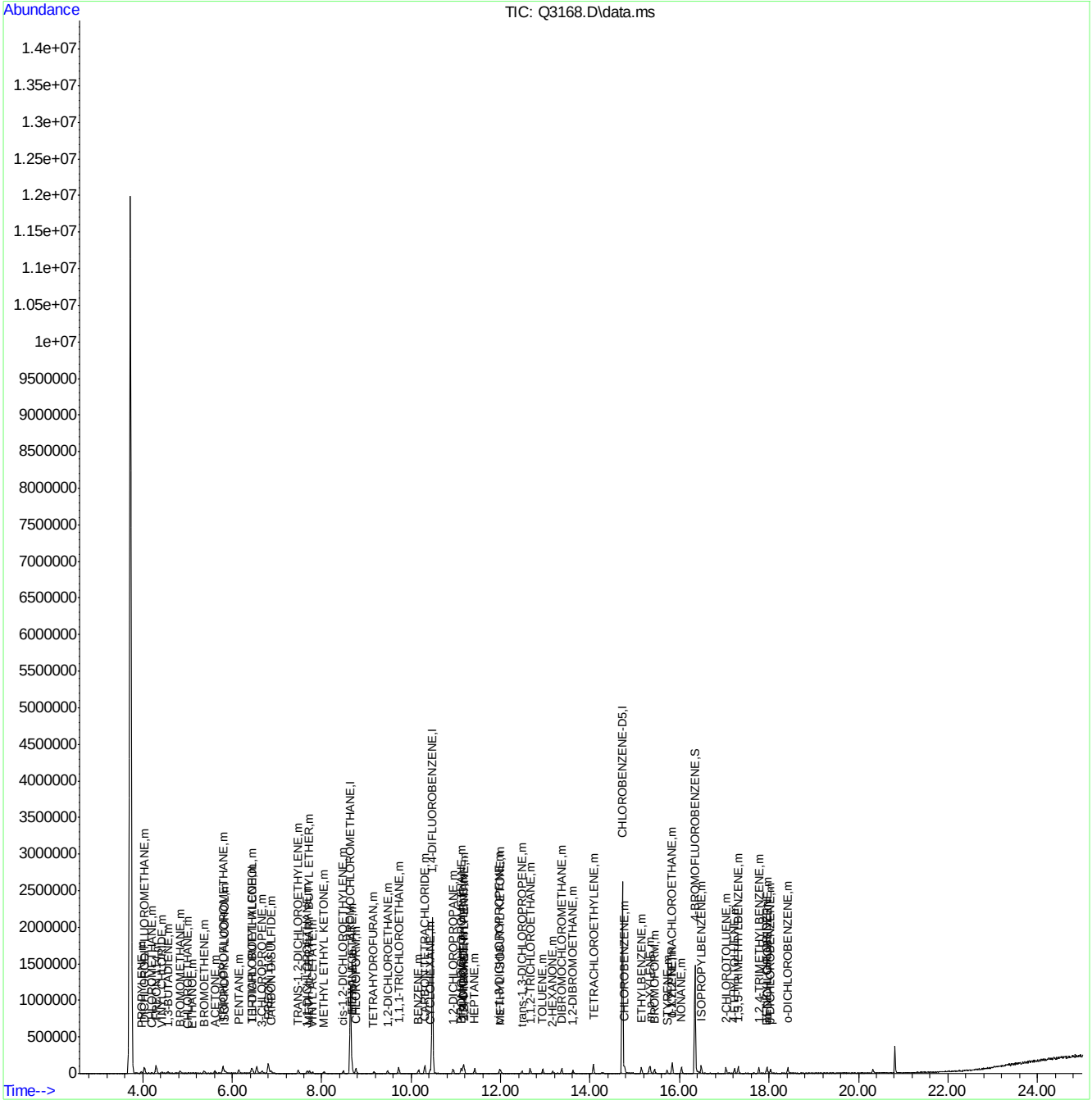
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.000	43	23758	0.40 PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.970	75	18479	0.41 PPBV	96
46) TOLUENE	12.941	92	21530	0.41 PPBV	88
47) trans-1,3-DICHLOROPROPENE	12.476	75	13992	0.40 PPBV	93
48) 1,1,2-TRICHLOROETHANE	12.657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

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

Quantitation Report (QT Reviewed)

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

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

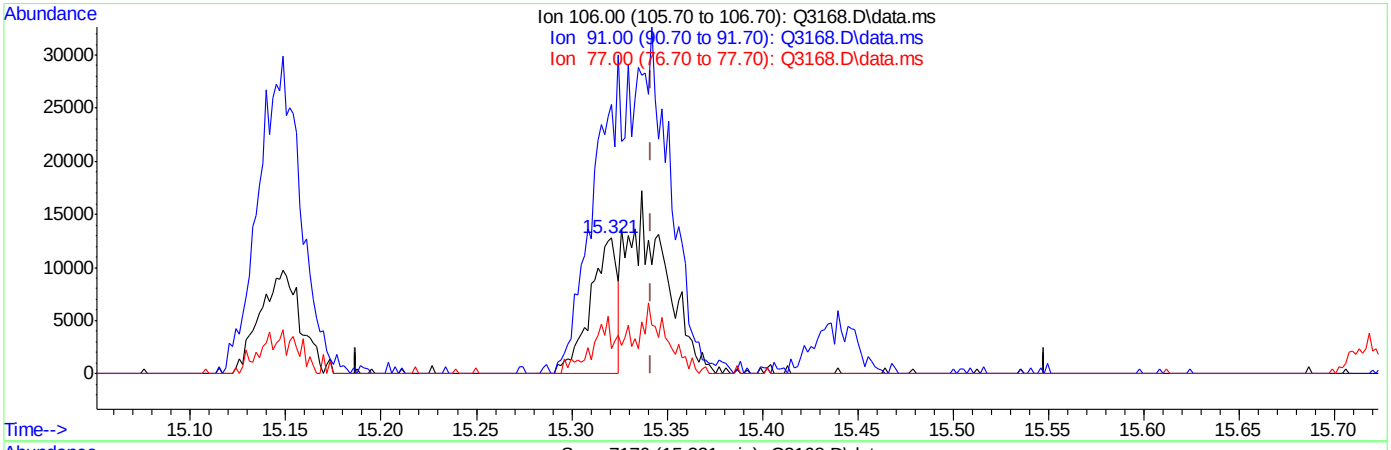


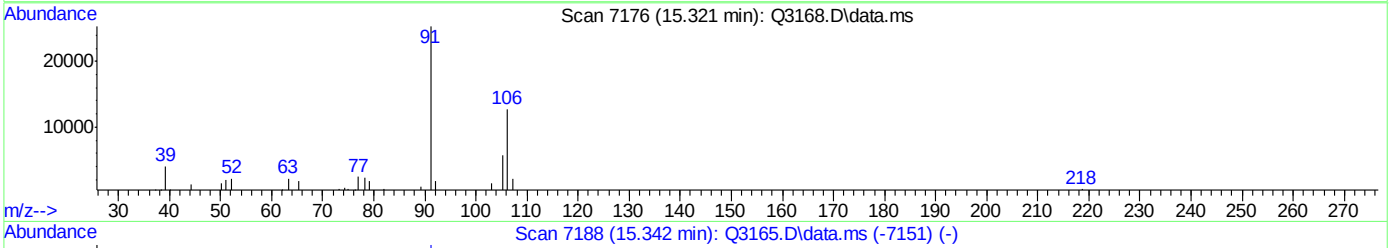
ACCUTEST Laboratories M63981

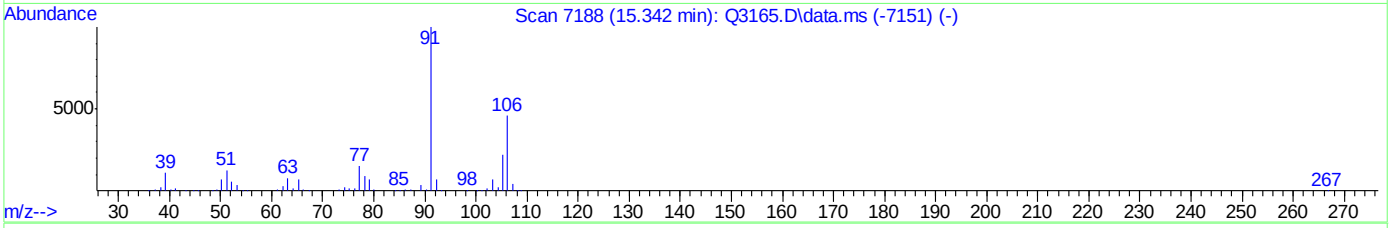
Quantitation Report (Qedit)

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

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







TIC: Q3168.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.021) 0.28PPBV

response 12446

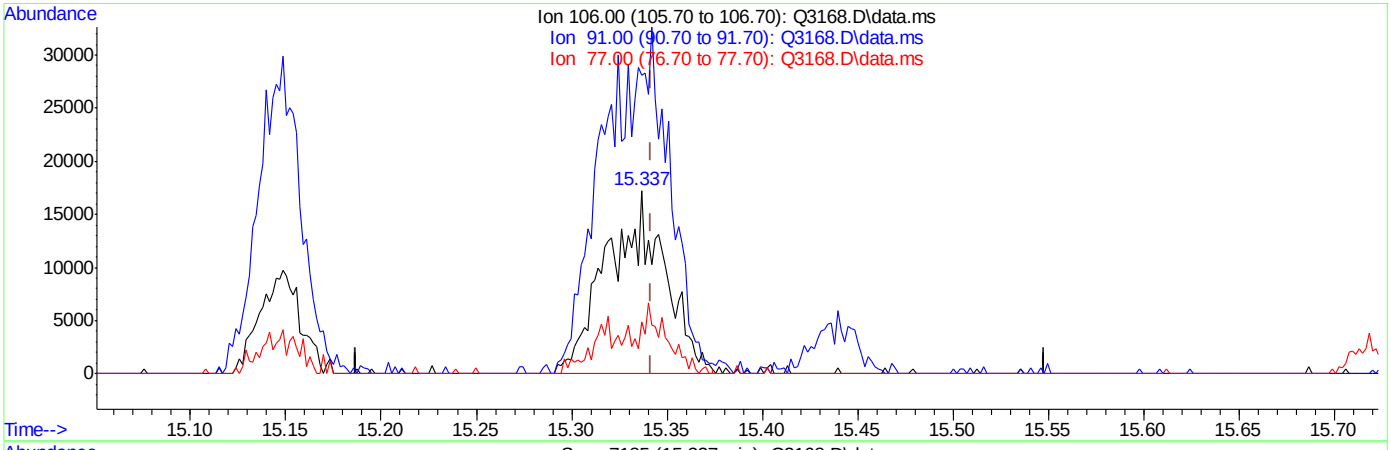
Ion	Exp%	Act%
106.00	100	100
91.00	219.40	198.19
77.00	32.60	18.77#
0.00	0.00	0.00

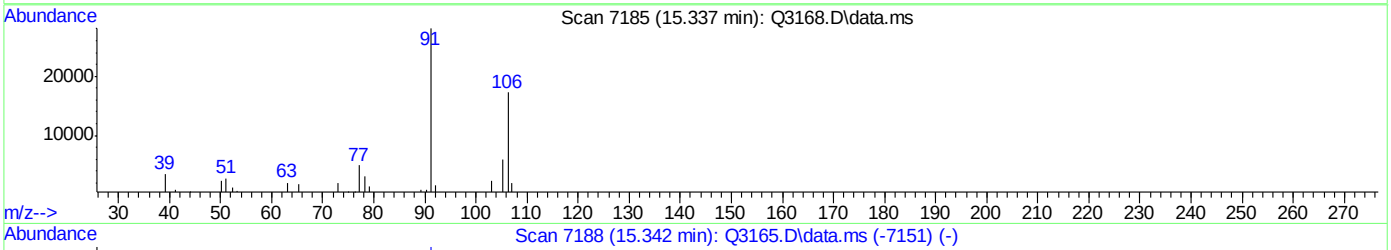
ACCUTEST Laboratories M63981

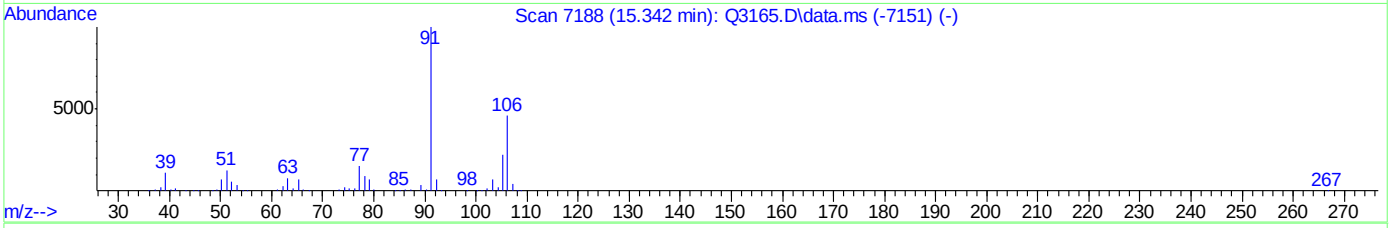
Quantitation Report (Qedit)

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

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







TIC: Q3168.D\data.ms

(56) m,p-XYLENE (m)

15.337min (-0.005) 0.82PPBV m

response 36224

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

Q3169.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 04/11/07 11:33

Quantitation Report (QT Reviewed)

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.644	128	253682	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	1209330	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	1045310	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.345	95	380013	4.46	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 89.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	34672	0.25	PPBV	97
3) PROPYLENE	3.980	41	4431	0.24	PPBV #	77
4) FREON 114	4.294	85	23225	0.21	PPBV	100
5) CHLOROMETHANE	4.204	50	5811	0.23	PPBV #	63
6) VINYL CHLORIDE	4.422	62	5090	0.17	PPBV	76
7) 1,3-BUTADIENE	4.548	39	5200	0.21	PPBV #	75
8) BROMOMETHANE	4.850	94	6743	0.20	PPBV #	12
9) CHLOROETHANE	5.013	64	2294	0.19	PPBV	87
10) TRICHLOROFLUOROMETHANE	5.796	101	32675	0.24	PPBV	96
11) ISOPROPYL ALCOHOL	5.842	45	18599	0.35	PPBV #	58
12) ACETONE	5.604	43	20451	Below Cal		86
13) PENTANE	6.159	42	8090	0.28	PPBV	91
14) 1,1-DICHLOROETHYLENE	6.438	96	7646	0.23	PPBV	98
15) CARBON DISULFIDE	6.860	76	19015	0.21	PPBV	94
16) ETHANOL	5.086	45	1514	Below Cal		86
17) BROMOETHENE	5.370	106	7156	0.22	PPBV #	91
18) METHYLENE CHLORIDE	6.539	84	23119	Below Cal		98
19) 3-CHLOROPROPENE	6.663	39	5878	0.20	PPBV #	72
20) FREON 113	6.809	151	14683	0.21	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.469	96	5606	0.19	PPBV	92
22) TERTIARY BUTYL ALCOHOL	6.449	59	15510	0.25	PPBV	96
23) METHYL TERTIARY BUTYL ...	7.725	73	11480	0.17	PPBV	83
24) TETRAHYDROFURAN	9.161	42	3025	0.15	PPBV #	81
25) HEXANE	8.676	57	10107	0.28	PPBV #	83
26) VINYL ACETATE	7.799	43	9056	0.19	PPBV #	84
27) 1,1-DICHLOROETHANE	7.679	63	11125	0.21	PPBV	95
28) METHYL ETHYL KETONE	8.062	43	11045	0.25	PPBV	80
29) cis-1,2-DICHLOROETHYLENE	8.481	96	4954	0.20	PPBV	91
30) ETHYL ACETATE	8.681	43	16275	0.22	PPBV #	95
31) CHLOROFORM	8.759	83	17532	0.24	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.716	97	17944	0.23	PPBV	100
33) CARBON TETRACHLORIDE	10.298	117	21074	0.22	PPBV	98
34) 1,2-DICHLOROETHANE	9.484	62	11263	0.23	PPBV	80
36) BENZENE	10.165	78	14530	0.22	PPBV	98
37) CYCLOHEXANE	10.421	84	5156	0.18	PPBV #	78
38) TRICHLOROETHYLENE	11.163	95	8085	0.20	PPBV	91
39) 1,2-DICHLOROPROPANE	10.942	63	5201	0.22	PPBV #	79
40) BROMODICHLOROMETHANE	11.116	83	14029	0.20	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.186	57	19720	0.18	PPBV	91
42) 1,4-DIOXANE	11.159	88	1450	0.14	PPBV #	74
43) HEPTANE	11.423	43	6689	0.17	PPBV	95

Quantitation Report (QT Reviewed)

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

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

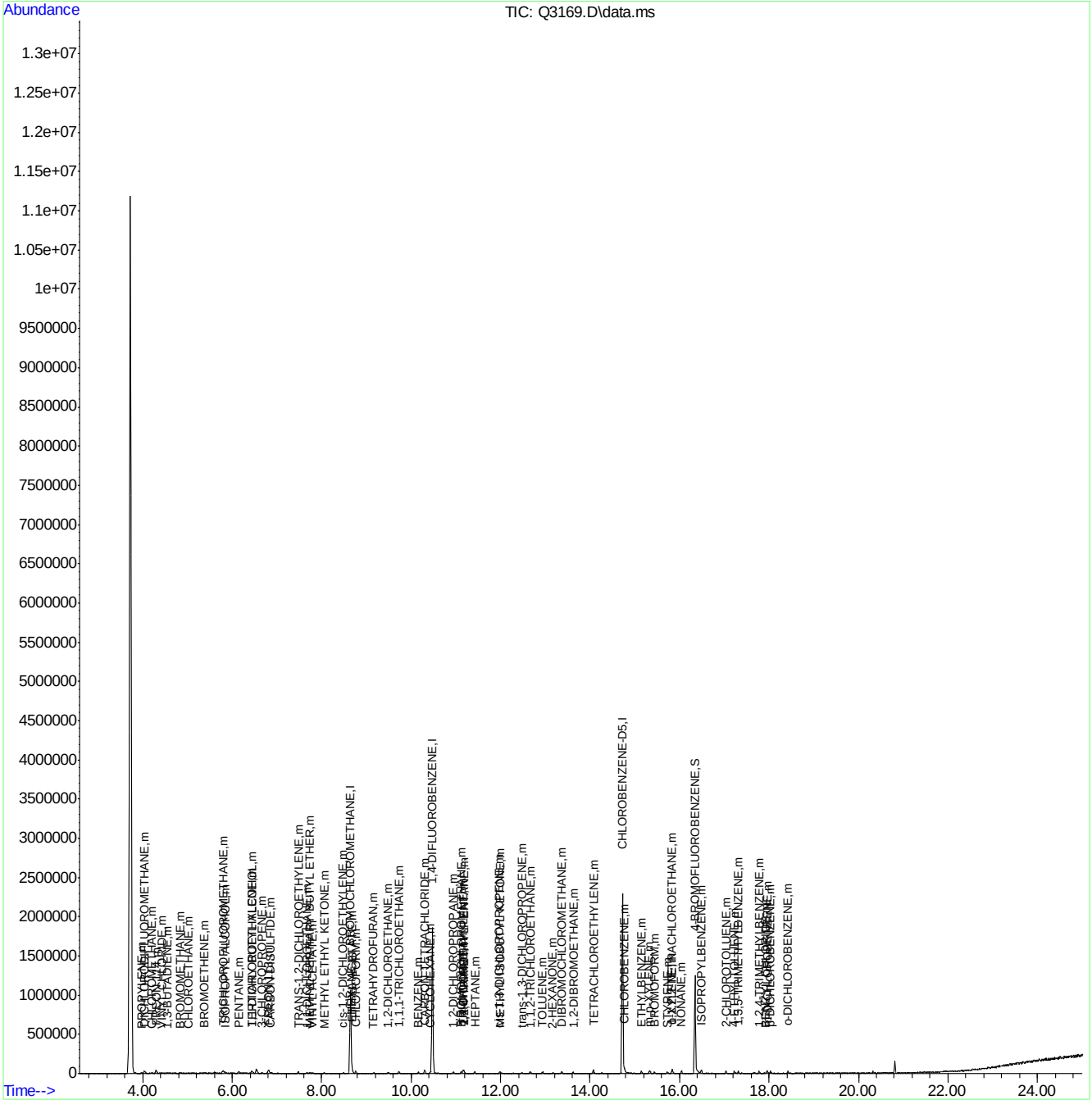
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.002	43	8777	0.18 PPBV	92
45) cis-1,3-DICHLOROPROPENE	11.975	75	6877	0.18 PPBV	88
46) TOLUENE	12.937	92	9541	0.22 PPBV #	82
47) trans-1,3-DICHLOROPROPENE	12.472	75	5672	0.20 PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.659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

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

Quantitation Report (QT Reviewed)

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

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

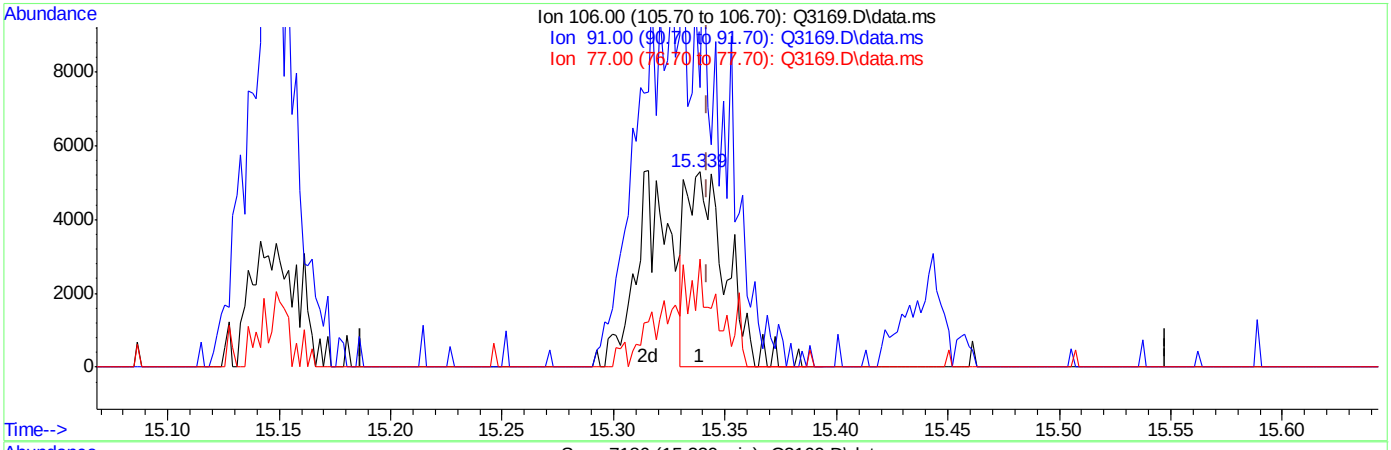


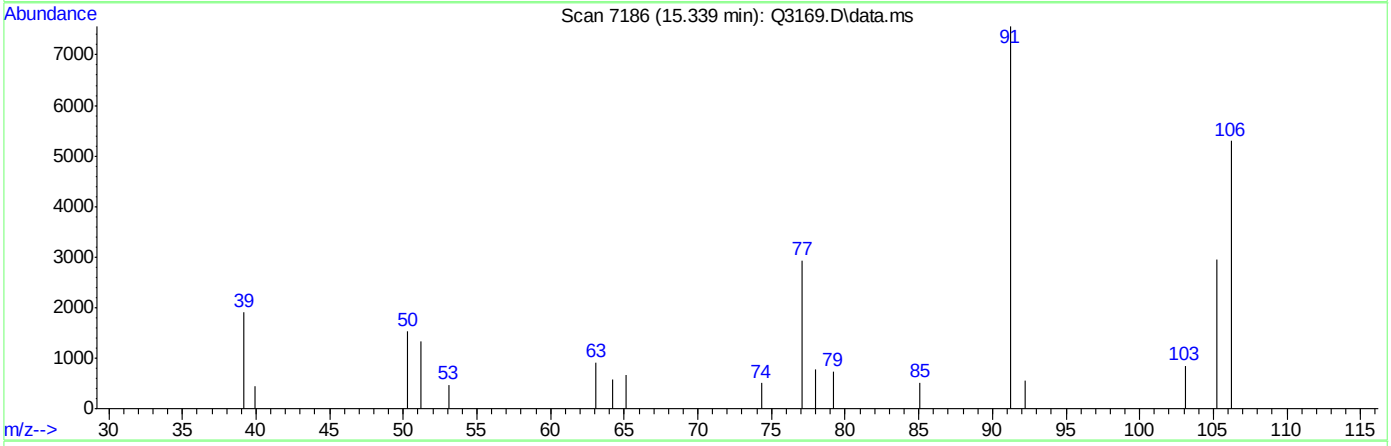
ACCUTEST Laboratories M63981

Quantitation Report (Qedit)

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

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





TIC: Q3169.D\data.ms

(56) m,p-XYLENE (m)

15.339min (-0.003) 0.18PPBV

response 6606

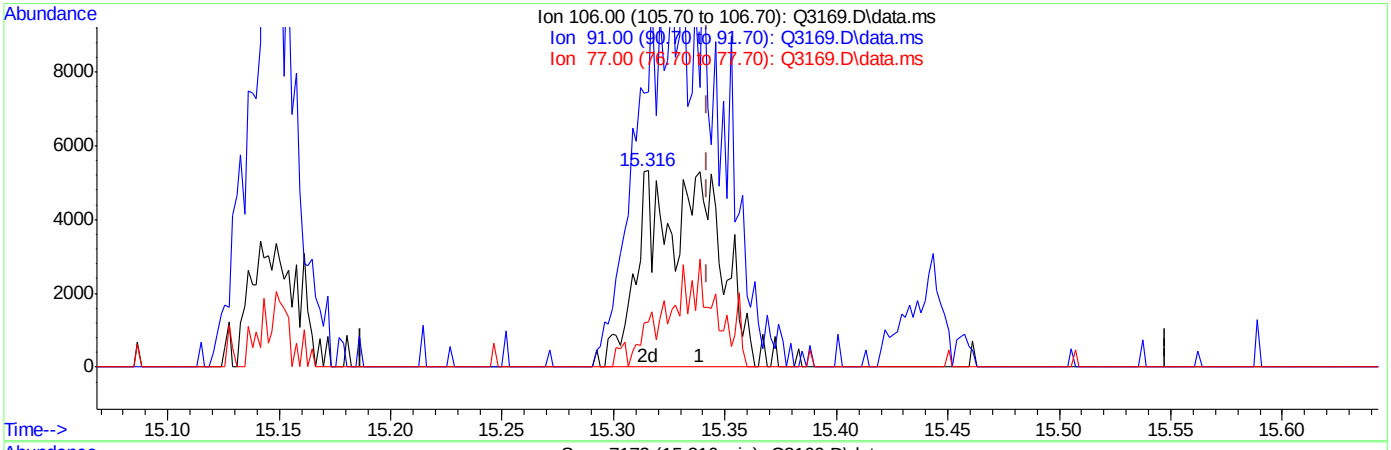
Ion	Exp%	Act%
106.00	100	100
91.00	219.40	142.91#
77.00	32.60	55.45#
0.00	0.00	0.00

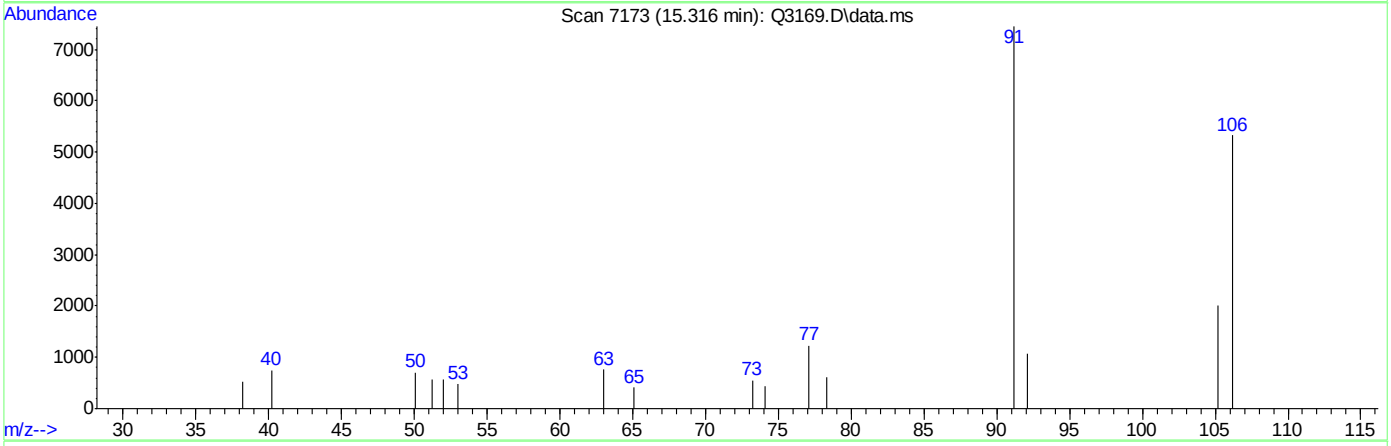
ACCUTEST Laboratories M63981

Quantitation Report (Qedit)

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

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





TIC: Q3169.D\data.ms

(56) m,p-XYLENE (m)

15.316min (-0.026) 0.32PPBV m

response 11954

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

ACCUTEST Laboratories M63981

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.343	95	534020	5.38	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 107.60%

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

Quantitation Report (QT Reviewed)

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

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

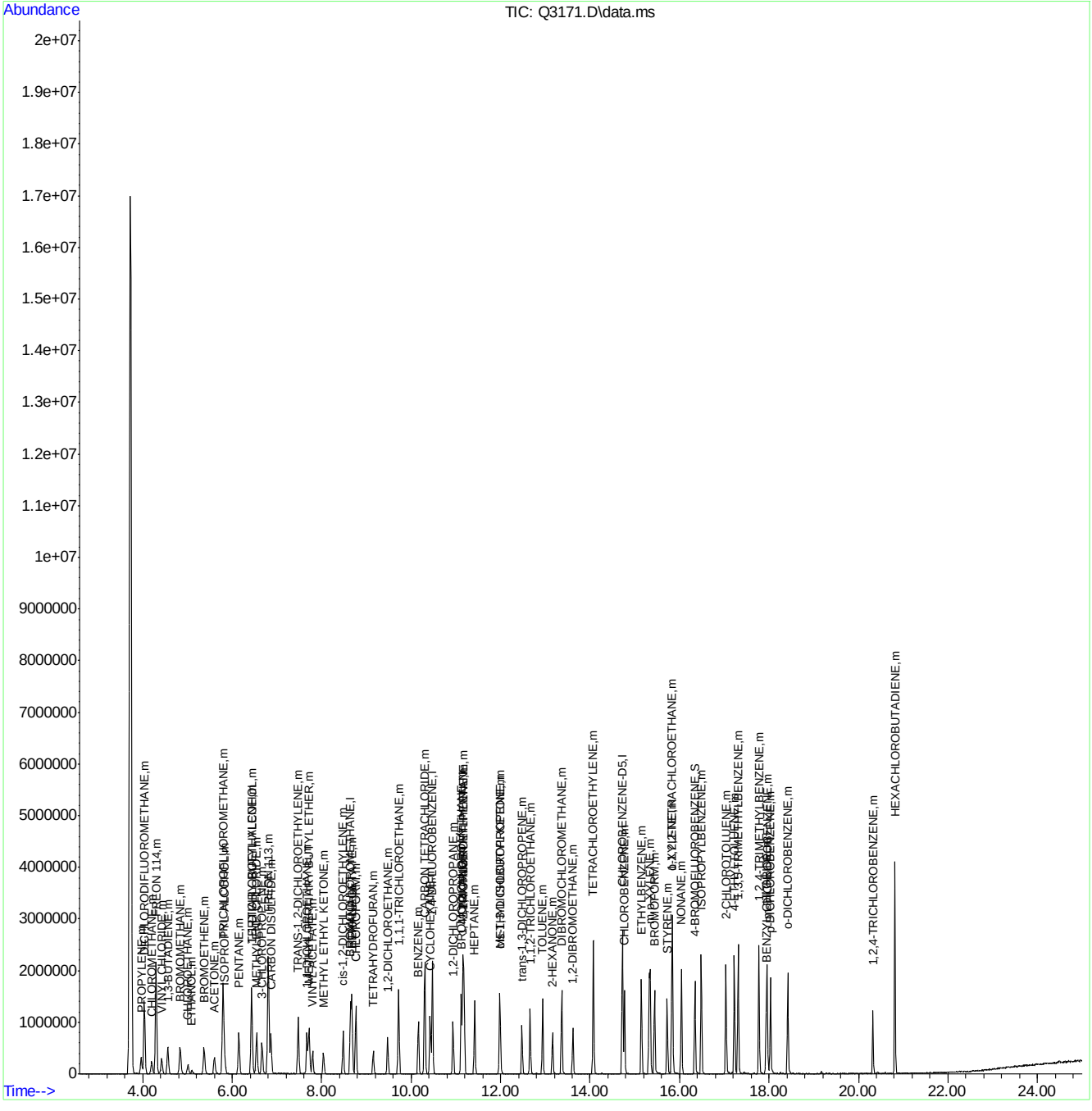
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.990	43	608047	10.40	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.975	75	428385	9.65	PPBV	93
46) TOLUENE	12.941	92	494127	9.23	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.476	75	416091	12.07	PPBV	98
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
04/16/07 16:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3220.D
Acq On : 13 Apr 2007 9:31 am
Operator : DANAT
Sample : cc169-10 (M119)
Misc : MS13343,MSQ172,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 15:13:39 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.637	128	308283	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.472	114	1451363	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.721	117	1235078	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.343	95	537767	5.42	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 108.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	1441614	8.37	PPBV	98
3) PROPYLENE	3.962	41	247884	10.59	PPBV	93
4) FREON 114	4.294	85	1119285	8.32	PPBV	93
5) CHLOROMETHANE	4.195	50	317655	10.24	PPBV	100
6) VINYL CHLORIDE	4.418	62	341747	9.52	PPBV	100
7) 1,3-BUTADIENE	4.558	39	336427	11.30	PPBV	91
8) BROMOMETHANE	4.834	94	341537	8.35	PPBV	99
9) CHLOROETHANE	5.013	64	161040	10.86	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.794	101	1352974	7.95	PPBV	99
11) ISOPROPYL ALCOHOL	5.829	45	587037	10.54	PPBV	100
12) ACETONE	5.598	43	599574	11.75	PPBV	96
13) PENTANE	6.149	42	373473	10.16	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.427	96	368191	9.08	PPBV	89
15) CARBON DISULFIDE	6.860	76	1152700	10.28	PPBV	95
16) ETHANOL	5.098	45	99394	11.67	PPBV	96
17) BROMOETHENE	5.373	106	336084	8.29	PPBV	97
18) METHYLENE CHLORIDE	6.544	84	351505	11.24	PPBV	85
19) 3-CHLOROPROPENE	6.665	39	421651	11.71	PPBV	97
20) FREON 113	6.800	151	694363	8.19	PPBV	90
21) TRANS-1,2-DICHLOROETHY...	7.476	96	380573	10.82	PPBV	89
22) TERTIARY BUTYL ALCOHOL	6.429	59	760772	9.72	PPBV	93
23) METHYL TERTIARY BUTYL ...	7.716	73	836360	10.38	PPBV	95
24) TETRAHYDROFURAN	9.148	42	244905	10.58	PPBV	86
25) HEXANE	8.676	57	387195	8.23	PPBV	90
26) VINYL ACETATE	7.796	43	722827	12.35	PPBV	95
27) 1,1-DICHLOROETHANE	7.673	63	766739	12.06	PPBV	98
28) METHYL ETHYL KETONE	8.041	43	539391	9.66	PPBV	88
29) cis-1,2-DICHLOROETHYLENE	8.481	96	251513	8.41	PPBV #	82
30) ETHYL ACETATE	8.674	43	935359	10.44	PPBV	99
31) CHLOROFORM	8.763	83	807633	8.72	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.716	97	841138	8.57	PPBV	95
33) CARBON TETRACHLORIDE	10.300	117	987821	8.31	PPBV	99
34) 1,2-DICHLOROETHANE	9.473	62	548597	8.86	PPBV	99
36) BENZENE	10.158	78	659856	8.16	PPBV	97
37) CYCLOHEXANE	10.428	84	293686	8.66	PPBV	89
38) TRICHLOROETHYLENE	11.159	95	447481	9.21	PPBV	96
39) 1,2-DICHLOROPROPANE	10.933	63	242972	8.47	PPBV	99
40) BROMODICHLOROMETHANE	11.118	83	763312	9.24	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.178	57	1360421	10.43	PPBV	97
42) 1,4-DIOXANE	11.146	88	131643	11.04	PPBV	87
43) HEPTANE	11.418	43	534093	11.81	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3220.D
Acq On : 13 Apr 2007 9:31 am
Operator : DANAT
Sample : cc169-10 (M119)
Misc : MS13343,MSQ172,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 15:13:39 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

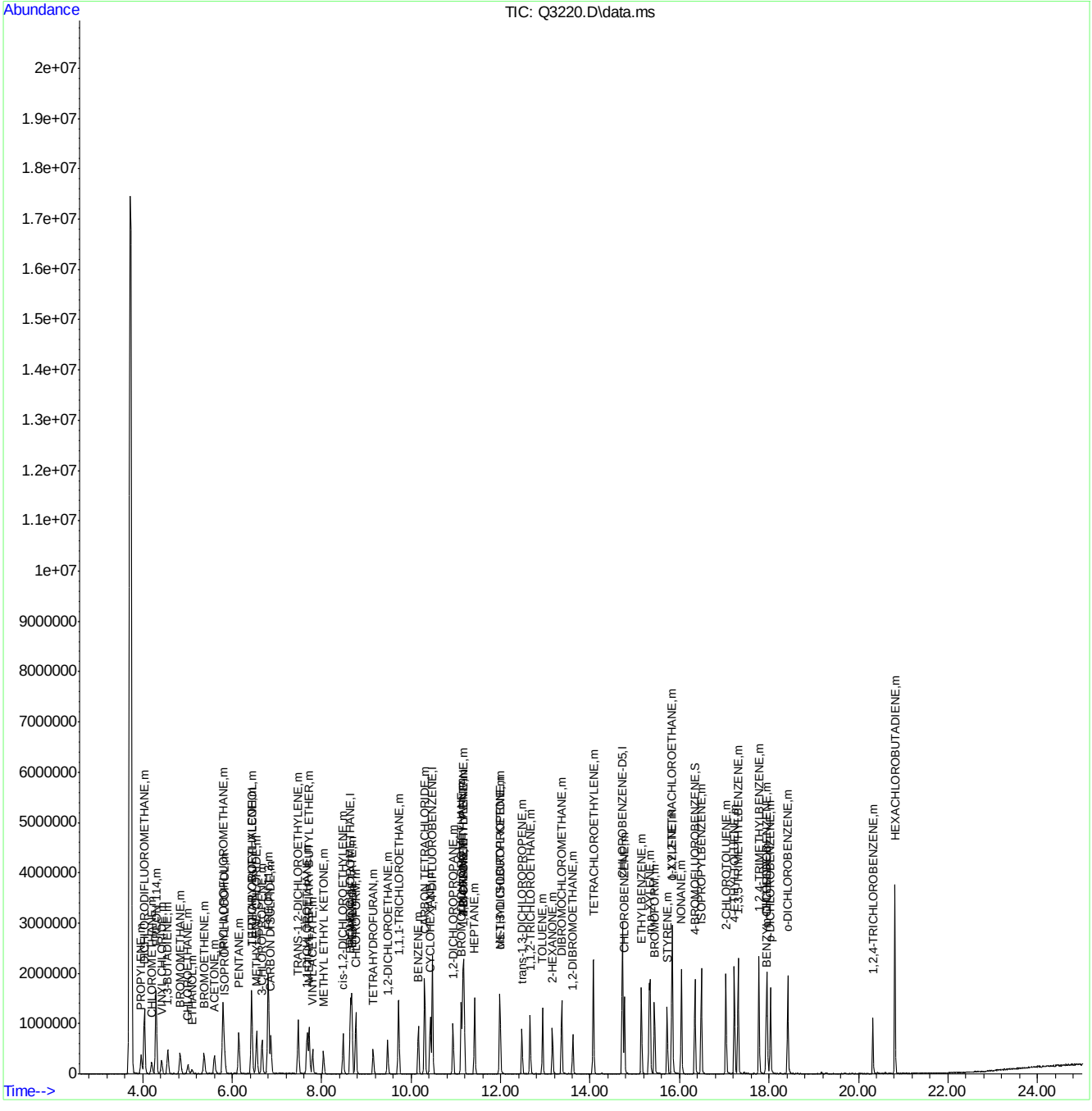
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.989	43	691843	11.79	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.973	75	375438	8.43	PPBV #	81
46) TOLUENE	12.937	92	414682	7.72	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.476	75	355680	10.28	PPBV	88
48) 1,1,2-TRICHLOROETHANE	12.659	83	250319	7.94	PPBV	97
50) 2-HEXANONE	13.157	43	573584	13.67	PPBV	93
51) TETRACHLOROETHYLENE	14.071	164	366868	7.83	PPBV	97
52) DIBROMOCHLOROMETHANE	13.365	129	629422	8.57	PPBV	99
53) 1,2-DIBROMOETHANE	13.615	107	423685	7.79	PPBV	100
54) CHLOROBENZENE	14.769	112	607330	8.05	PPBV	93
55) ETHYLBENZENE	15.149	91	997809	8.40	PPBV	99
56) m,p-XYLENE	15.344	106	735486m	17.20	PPBV	
57) o-XYLENE	15.842	106	383193	8.56	PPBV	99
58) STYRENE	15.722	104	491589	9.24	PPBV	98
59) NONANE	16.043	43	728557	12.09	PPBV	94
60) BROMOFORM	15.440	173	562455	8.31	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.828	83	679530	8.65	PPBV	99
63) ISOPROPYLBENZENE	16.485	105	1168572	8.20	PPBV	98
64) 2-CHLOROTOLUENE	17.035	91	912475	8.87	PPBV	98
65) 4-ETHYLTOLUENE	17.225	105	1108472	10.32	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	1050050	9.19	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	1007701	10.16	PPBV	100
68) m-DICHLOROBENZENE	17.958	146	596265	9.92	PPBV	99
69) BENZYL CHLORIDE	17.933	91	635850	13.21	PPBV	98
70) p-DICHLOROBENZENE	18.031	146	559214	10.56	PPBV	100
71) o-DICHLOROBENZENE	18.418	146	586587	9.55	PPBV	99
72) HEXACHLOROBUTADIENE	20.814	225	490649	12.35	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.322	180	236591	21.36	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3220.D
Acq On : 13 Apr 2007 9:31 am
Operator : DANAT
Sample : cc169-10 (M119)
Misc : MS13343,MSQ172,,,,,1
ALS Vial : 1 Sample Multiplier: 1

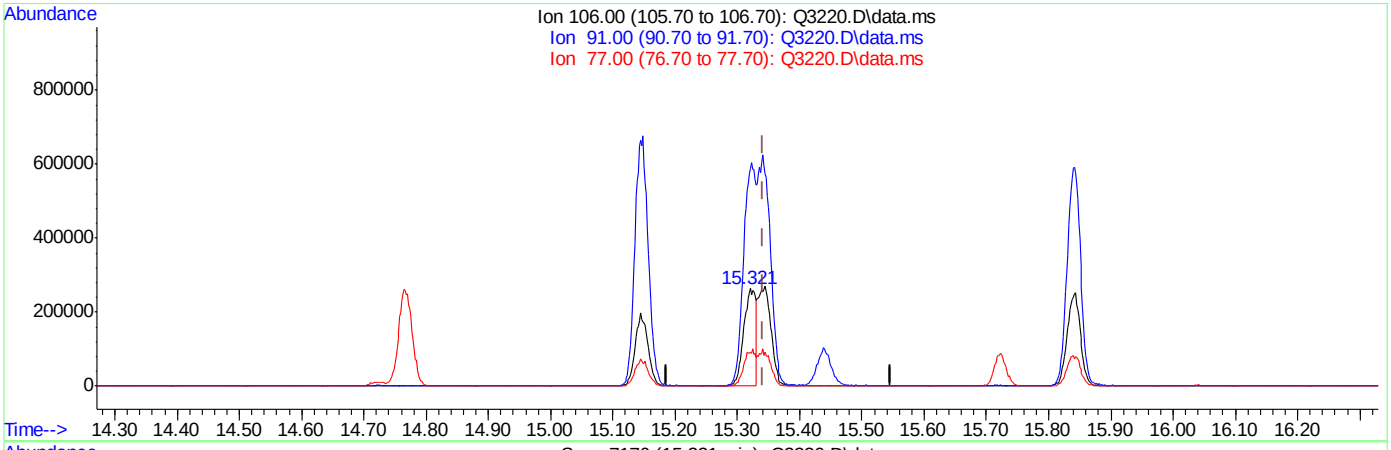
Quant Time: Apr 16 15:13:39 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration

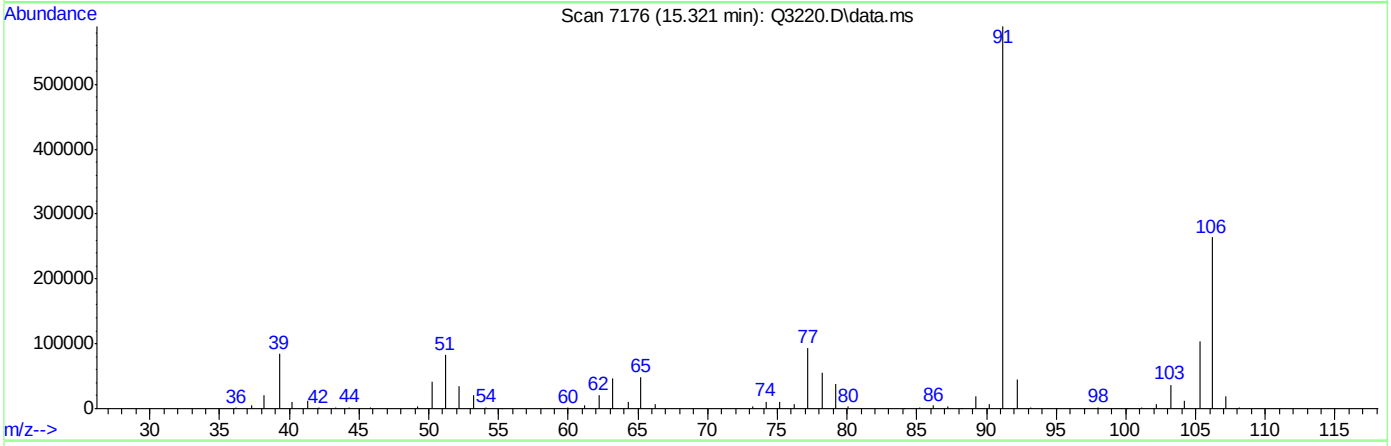


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3220.D
Acq On : 13 Apr 2007 9:31 am
Operator : DANAT
Sample : cc169-10 (M119)
Misc : MS13343,MSQ172,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 14:59:57 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration





TIC: Q3220.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.021) 8.03PPBV

response 343281

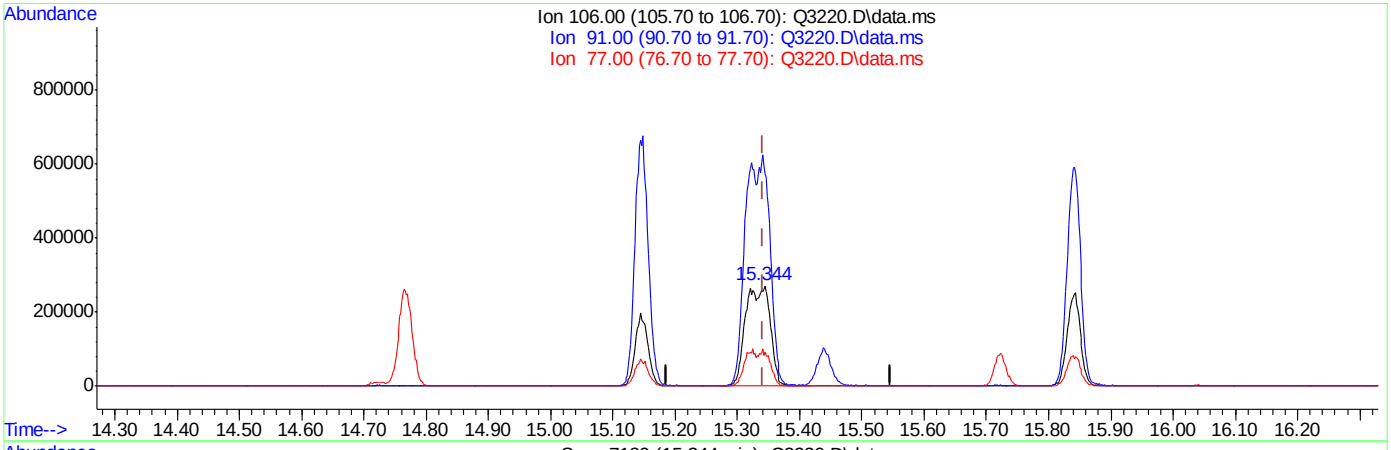
Ion	Exp%	Act%
106.00	100	100
91.00	219.40	223.08
77.00	32.60	35.38
0.00	0.00	0.00

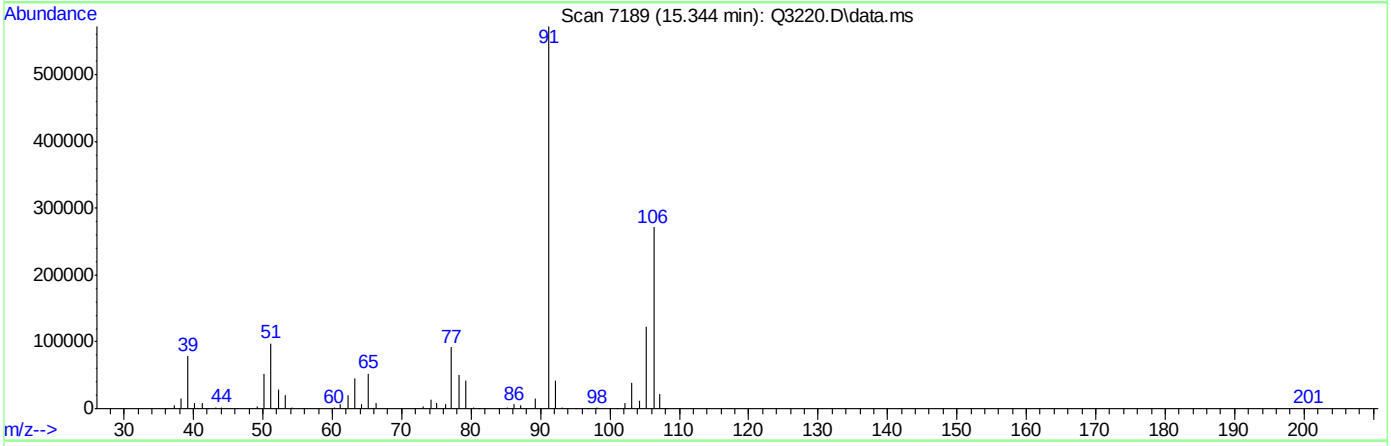
ACCUTEST Laboratories M63981

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3220.D
Acq On : 13 Apr 2007 9:31 am
Operator : DANAT
Sample : cc169-10 (M119)
Misc : MS13343,MSQ172,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 14:59:57 2007
Quant Method : C:\msdchem\1\METHODS\Q040907T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Apr 09 18:20:59 2007
Response via : Initial Calibration





TIC: Q3220.D\data.ms

(56) m,p-XYLENE (m)

15.344min (+0.002) 17.20PPBV m

response 735486

Ion	Exp%	Act%
106.00	100	100
91.00	219.40	210.87
77.00	32.60	33.85
0.00	0.00	0.00

Standard Lot #	
Calib STD 1	MSA314
Calib STD 2	MSA315
ICV	MSA316,MSA307
Inter/Surr STD	MSA218
BS/BSD	MSA307

File ID	
Tune File 1	Q3163
Tune File 2	Q3171
Initial Cal.	4/9/07
ID FILE	Q040907T.M
Instrument ID	Q
ICAL:	Q3171
Column Type:	RTX-1
Sequence Verified By:	DT 4/10/07

Date:	4/9/2007
Analyst:	DANAT
Batch ID:	MSQ169
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	4/11/2007 11:32:12 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3163	IC169-40	m020	MSA314		5		1		
Q3164	IC169-20	m020	MSA314		5		1		
Q3165	ICC169-10	m020	MSA314		5		1		
Q3166	IC169-5	m020	MSA314		5		1		
Q3167	IC169-2	m132	MSA315		6		1		
Q3168	IC169-0.5	m132	MSA315		6		1		
Q3169	IC169-0.2	m132	MSA315		6		1		
Q3170	ICV169-10	m077	MSA316		7		1		Results high , re-run using another icv std.
Q3171	ICV169-10	m119	MSA307		10		1		
Q3171a	CC169-10	m119	MSA307		10		1		
Q3171b	BS	m119	MSA307		10		1		
Q3172	MB	m032			9		1		Re-run , possible carryover.
Q3173	MB	m032			9		1		
Q3174	M63693-1	m106	MS13343	VTO15STD	11		10		Re-run 1x , too dilute.
Q3175	M63694-2	m043	MS13343	VTO15STD	12		10		Re-run 1x , too dilute.
Q3176	M63695-2	m143	MS13343	VTO15STD	13		10		Re-run 1x , too dilute.
Q3177	M63693-1	m106	MS13343	VTO15STD	9		1		
Q3178	M63694-2	m043	MS13343	VTO15STD	10		1		
Q3179	M63694-2DUP	m043	MS13343	VTO15STD	10		1		
Q3180	M63695-2	m143	MS13343	VTO15STD	11		1		
Q3181	M63709-1	m013	MS13343	VTO15SL	1		1		
Q3182	M63736-1	m051	MS13343	VTO15STD	2		10		Re-run 1x , too dilute.
Q3183	M63689-1	057,d02	MS13343	VTO15STD	3		1000		Re-run 200x , too dilute.
Q3184	M63709-2	m172	MS13343	VTO15SL	4		1		
Q3185	M63709-3	m171	MS13343	VTO15SL	8		1		
Q3186	M63709-4	m063	MS13343	VTO15SL	9		1		
Q3187	M63709-5	m017	MS13343	VTO15SL	14		1		
Q3188	M63709-6	m062	MS13343	VTO15SL	15		1		
Q3189	M63709-7	m174	MS13343	VTO15SL	16		1		
Q3190	M63736-1	m051	MS13343	VTO15STD	2		1		
Q3191	M63689-1	057,d02	MS13343	VTO15STD	3		200		Re-run 100x , too dilute.

Standard Lot #	
Calib STD 1	MSA314
Calib STD 2	MSA315
ICV	MSA307
Inter/Surr STD	MSA218
BS/BSD	MSA307

File ID	
Tune File 1	Q3220.D
Tune File 2	NA
Initial Cal.	4-9-07
ID FILE	Q040907T.M
Instrument ID	Q
ICAL:	Q3171.D
Column Type:	RTX-1
Sequence Verified By:	PB 4-16-07

Date:	4/13/2007
Analyst:	PHILIPB
Batch ID:	msq172
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	4/16/2007 4:40:20 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3220	CC172-10	M119	MSA307	VTO15STD	1		1	NA	O.K.; BFB
Q3220A	BS	M119	MSA307	VTO15STD	1		1	NA	O.K.
Q3221	BLK	M068	MS13343	VTO15STD	2		1	NA	Carry-over; re-run
Q3222	MB	M068	MS13343	VTO15STD	2		1	NA	O.K.
Q3223	M63981-1	M147	MS13343	VTO15STD	10		1	MC095	O.K.
Q3224	M63981-2	M081	MS13343	VTO15STD	11		1	MC098	O.K.
Q3225	M63981-3	M162	MS13343	VTO15STD	12		1	MC020	O.K.
Q3226	M63981-4	M122	MS13343	VTO15STD	13		1	MC063	Surrogate high; re-run
Q3227	M63981-1DUP	M147	MS13343	VTO15STD	10		1	MC095	O.K.
Q3228	M63981-5	M144	MS13343	VTO15STD	14		1	MC073	O.K.
Q3229	M63981-6	M088	MS13343	VTO15STD	15		1	MC064	O.K.
Q3230	M63981-7	M012	MS13343	VTO15STD	16		20	MC022	Re-run 200X
Q3231	M63981-4	M122	MS13343	VTO15STD	13		1	MC063	O.K.
Q3232	M62162-7	M027	MS13343	VTO15STD	1		1	NA	O.K.
Q3233	M63981-7	D019	MS13343	VTO15STD	16		200	MC022	report with Q3230.D