Environmental Planning & Management, Inc.
1983 Marcus Ave., Suite 109
Lake Success, New York 11042
(516) 328-1194
Fax (516) 328-1381

LETTER OF TRANSMITTAL

Date: 02/13/09	Job No. 28001
Attention: Mr. Carl Hoffman	
Re: *Katonah Quarterly Water Monitoring*	

TO:

NYSDEC
625 Broadway
Albany, NY 12233-7013

WE ARE SENDING YOU: ■ Included ☐ Under separate cover via _____ the following items:

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1	2/13/09		*Katonah Quarterly Water Monitoring Report*

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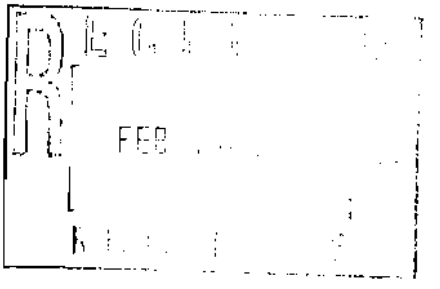
☐ For review & comment

REMARKS

If there are any questions, please call me.

COPY TO *File*

SIGNED _____
Stephen Cherepany



ENVIRONMENTAL
PLANNING &
MANAGEMENT, INC.

James Hahn
James J. Hahn Engineering
Putnam Business Park
1689 Route 22
Brewster, NY 10509

February 13, 2009

Dear Mr. Hahn:

Enclosed please find the quarterly monitoring report for the end of the 4th quarter of 2008 for the Katonah Municipal Well, Town of Bedford, Westchester County, New York (NYSDEC Site ID # 3-60-007).

Please call me with any questions.

Sincerely,

Darren Frank
Project Scientist

Stephen Cherepany
Staff Scientist

cc: Kenneth Caffrey, PE, NYSDOH
Carl Hoffman, NYSDEC
William Nixon, Town of Bedford
Paul Kutzy, Westchester County DOH
Damian Duda, USEPA Region 2

GROUNDWATER QUALITY MONITORING
QUARTERLY REPORT
DECEMBER 2008
KATONAH MUNICIPAL WELL
TOWN OF BEDFORD
WESTCHESTER, NEW YORK
NYSDEC SITE ID # 3-60-007

EPM PROJECT NUMBER: 28001

PREPARED FOR:

James J. Hahn Engineering
Millbrook Office Center
Route 22 & Milltown Road
Brewster, New York 10509

PREPARED BY:

Environmental Planning & Management, Inc.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042

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APPENDICES

1.0 INTRODUCTION

This quarterly groundwater sampling and analysis report has been prepared for the Katonah Municipal Well Site in Katonah, Town of Bedford, New York. This submittal is in accordance with the groundwater monitoring requirements of the New York State Department of Health (NYSDOH) and the U.S. Environmental Protection Agency (USEPA). This report includes the data collection and analysis results of the remedial system operation, for the end of the 4th quarter of 2008. Sampling of the remedial system was conducted on December 30, 2008.

2.0 SAMPLE COLLECTION

Environmental Planning & Management, Inc., collected samples on December 30, 2008. Water samples were collected from three sampling taps; 1) the raw water sampling tap (RW), 2) the stripper number two effluent sampling tap (STEFF), and 3) the distribution sampling tap (DIST). One field duplicate sample (DUP) was collected from the Raw Water sampling tap. This quarterly sampling event did not include the collection of water samples from the two monitoring wells, W4 and W11. Sample locations are shown on Figure 1 – Simplified Sampling Location Schematic. Sampling was conducted in accordance with the approved Project Operation Plan.

Samples were labeled at the field location and placed into transport coolers containing ice. A trip blank and chain-of-custody documentation accompanied the samples to the laboratory for analysis. The samples were analyzed by Accutest laboratories, of Dayton, New Jersey, in accordance with CLP methods, for volatile organics (Principal Organic Contaminants), by method 524.2, Revision 4.1.

3.0 FINDINGS

VOC Analysis

Table 1 provides a summary of the analytical results for the quarterly water quality monitoring, as well as the applicable NYSDOH Drinking Water Standards and the U.S. EPA clean-up requirement for Tetrachloroethene (PCE). As indicated by the laboratory analysis, the treatment system effluent meets the NYSDOH drinking water standards and the USEPA clean-up level of less than one part per billion (ppb) (or non-detectable) for Tetrachloroethene and meets the levels of less than 80 parts per billion for Trihalomethanes.

Tetrachloroethene was detected in the untreated Raw Water (RW) sample, at a concentration of 34.1µg/l (ppb), which exceeds the NYSDOH drinking water standard and the USEPA clean-up standard for this compound of 5 ppb and 1 ppb respectively. Sample RW also exhibited Trichloroethene at a concentration of 0.87 ppb, and cis-1,2-Dichloroethene at a concentration of 0.46 ppb, which is below the NYSDOH drinking water standard and the USEPA Standard of 5 ppb for both compounds. The compound Methyl Tert Butyl Ether was also detected at a concentration of 0.13 ppb in the RW sample, which is below the NYSDOH drinking water standard of 10 ppb.

Analytical results for the duplicate sample (DUP) of the Raw Water (RW) similarly exhibited Tetrachloroethene at a concentration 34.9 ppb. This sample also exhibited Trichloroethene at a concentration of 0.8 ppb, and cis-1,2-Dichloroethylene at a concentration of 0.46 ppb, which is below the NYSDOH drinking water standard and the USEPA Standard of 5 ppb for both compounds.

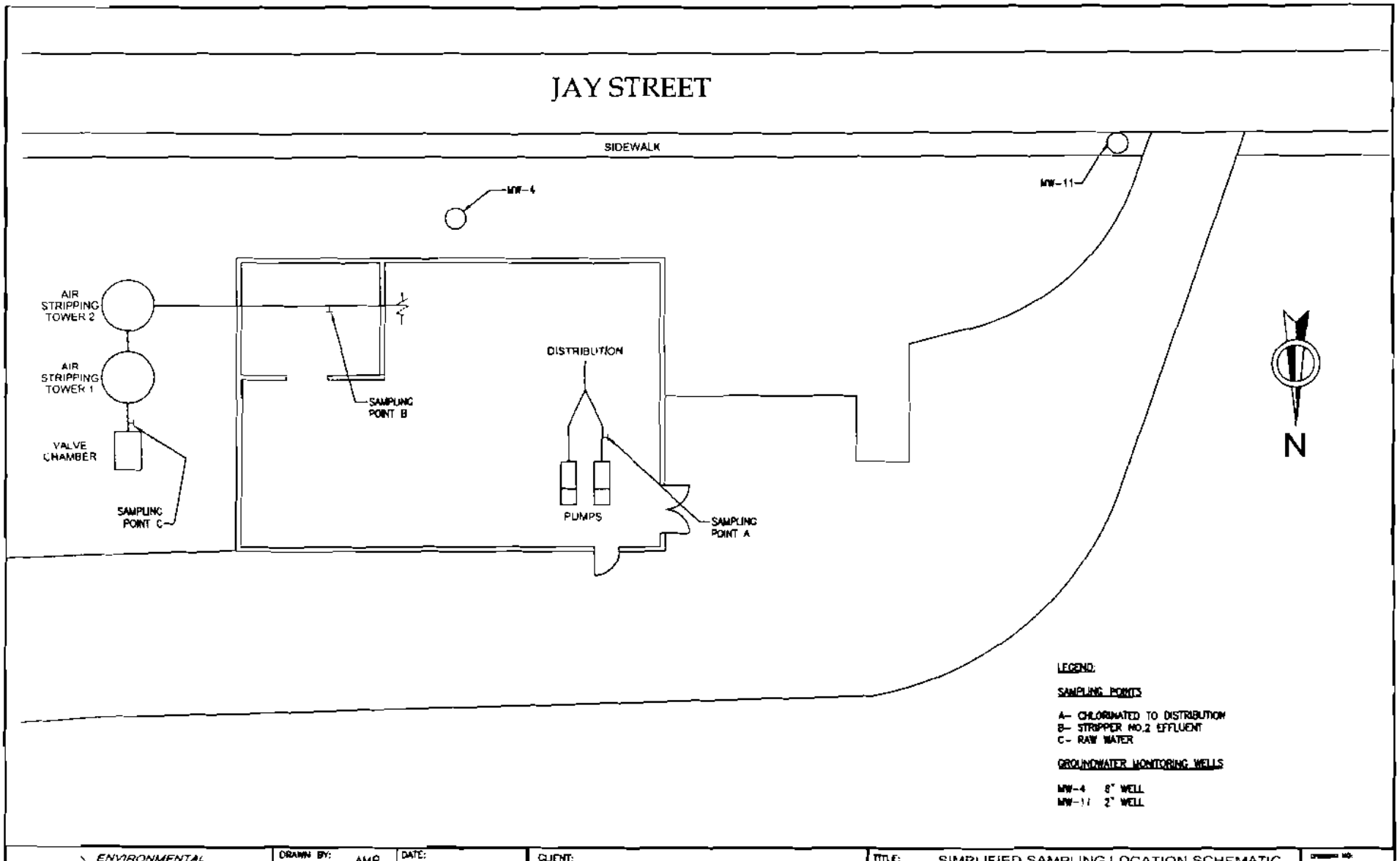
No VOCs were detected in the treated (stripper number 2) water sample, STEFF.

Four VOCs, Bromoform, Dibromochloromethane, Bromodichloromethane and Chloroform were detected in the Distribution (DIST) water sample at a concentration of 6.0 ppb, 6.0 ppb, 2.5 ppb and 0.7 ppb respectively; however this is well below the NYSDOH drinking water standard and the USEPA Standard of 50 ppb for all four compounds.

No VOCs were detected in the trip blank (TB) water sample.

Refer to Table 1 for a summary of the groundwater analysis results for volatile organic compounds (VOCs). Table 1 reflects the detectable concentration values which have been qualified as a result of data validation. Refer to Appendix A for the data validation report which details any variations of the detectable concentration values discussed above.

The PCE concentration in the Influent (raw water) has increased relative to the last sampling event (see Figure 2). To date, the PCE level in the raw water samples is not of significant concern, since the treated water and distribution water samples continue to exhibit non-detectable or insignificant concentrations of PCE. However, changes in PCE levels will continue to be closely monitored.



PEM ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 MARCUS AVENUE
SUITE 100
LAKE SUCCESS, NEW YORK 11042

DRAWN BY:	AMR	DATE:	
CHECKED BY:	FP	FILENAME:	KATONAH
APPROVD BY:	ASG	SCALE:	NOT TO SCALE
PATH: C:\AMR\BEDFORD\KATONAH\22001DWGS			

CLIENT:
KATONAH MUNICIPAL WATER SYSTEM

TITLE: SIMPLIFIED SAMPLING LOCATION SCHEMATIC

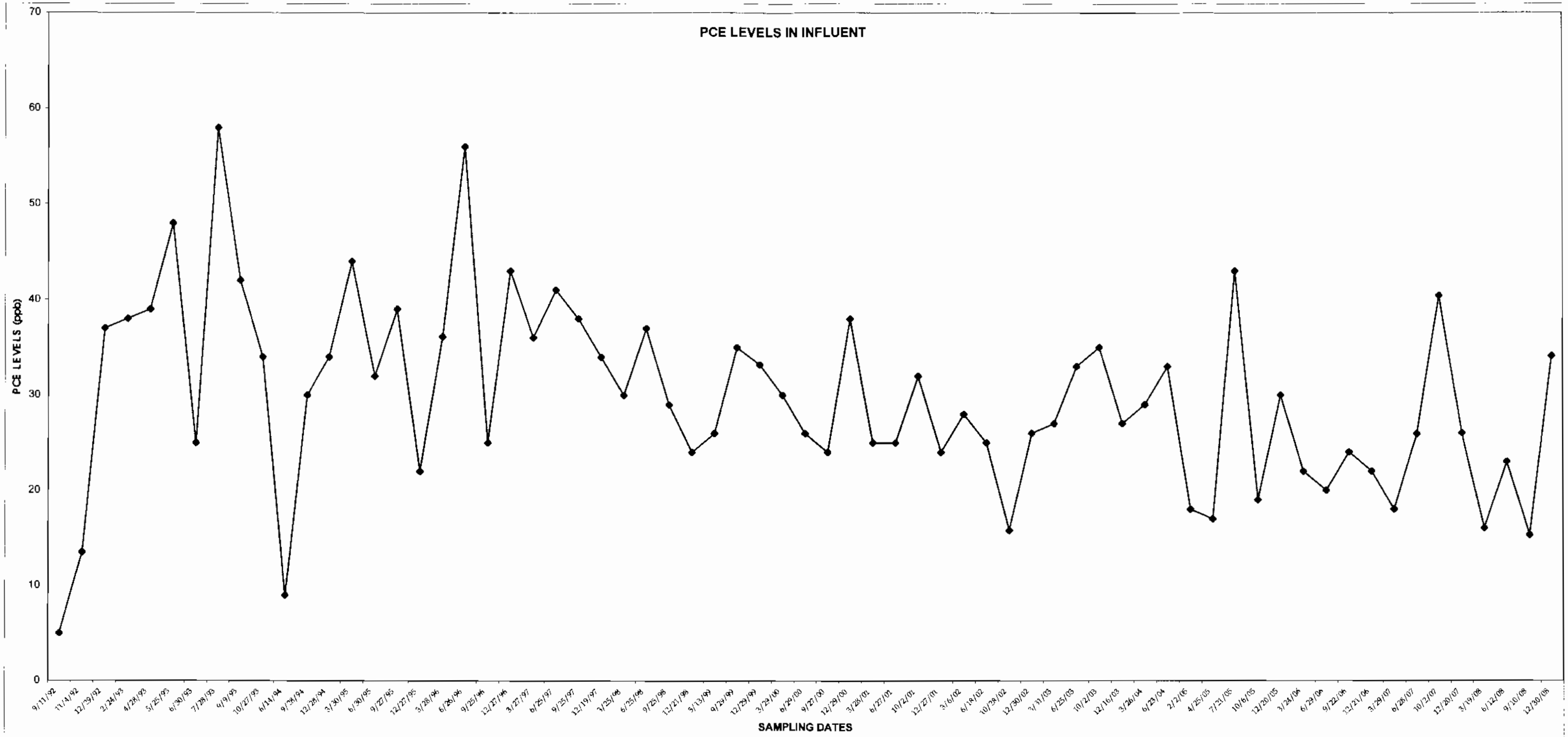
PROJECT LOCATION: KATONAH MUNICIPAL WATER SYSTEM
KATONAH, NEW YORK

DRAWING NO:
FIG. 1
SHEET 1 OF 1

Table 1 - SUMMARY OF QUARTERLY VOC RESULTS KATONAH MUNICIPAL WELL								
Date Collected	12/30/2008							
Sample Location	Raw Water (Influent)	RW DUP	STEFF (Treated Water)	DIST (Distribution Water)	W4 (Well 4)	W11 (Well 11)	FB (Field Blank)	NYSDOH / USEPA Standard
Volatile Organic Compounds (ppb)								
Tetrachloroethene	34.1	34.9	ND	ND	NR	NR	NR	5/1*
Trichloroethene	0.67	0.8	ND	ND	NR	NR	NR	5
cis-1,2-Dichloroethene	0.46 J	0.46 J	ND	ND	NR	NR	NR	5
Methylene Chloride	ND	ND	ND	ND	NR	NR	NR	5
Bromoform	ND	ND	ND	6.0	NR	NR	NR	50
Dibromochloromethane	ND	ND	ND	6.0	NR	NR	NR	50
Bromodichloromethane	ND	ND	ND	2.5	NR	NR	NR	50
Chloroform	ND	ND	ND	0.7	NR	NR	NR	50
Methyl Tert Butyl Ether	0.13 J	0.13 J	ND	ND	NR	NR	NR	10

* 1 ppb is the USEPA cleanup standard for the site
1 - Determined undetect following data validation
☐ Level exceeds the USEPA/NYSDOH standard
U Denotes detection limit/not detected
J Denotes an estimated value
N Presumptive evidence of a compound
R Determined unusable following data validation
NS No standard
B Denotes Detection in the Field Blank as well
ND No Detectable Concentration
NR Denotes sample not analyzed for this compound

Figure 2


PCE LEVELS IN INFLUENT
PCE LEVELS (ppb)
70
60
50
40
30
20
10
0
9/11/92
11/4/92
12/29/92
2/24/93
4/28/93
5/25/93
6/30/93
7/28/93
9/9/93
10/27/93
6/14/94
9/28/94
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4/25/05
7/21/05
10/6/05
12/20/05
3/24/06
6/29/06
9/22/06
12/21/06
3/29/07
6/28/07
10/2/07
12/20/07
3/19/08
6/12/08
9/10/08
12/30/08
SAMPLING DATES

4.0 FUTURE ACTIONS

Water quality monitoring will continue to be conducted quarterly at the treatment system influent, stripper number two effluent, and distribution entry point. Groundwater monitoring well samples will be collected bi-annually.

The next sampling event for the end of the first quarterly event of year eighteen is tentatively scheduled for the end of March 2009.

APPENDIX A

Katonah Municipal Well Site
Data Validation
Groundwater Quality Monitoring
Quarterly Report – January 27, 2009

Samples Collected by Environmental Planning & Management, Inc.
Samples Analyzed by Premier Laboratory Inc.,

Data Validation Performed by:

C.T. Male Associates, PC.
50 Century Hill Drive,
Latham, New York 12110-0727

Megan Drosky
Environmental Scientist

C.T. MALE ASSOCIATES, P.C.

50 Century Hill Drive, P.O. Box 727, Latham, New York 12110-0727
518.786.7400 FAX 518.786.7299 ctmale@ctmale.com

January 27, 2009

Mr. Stephen Cherepany
Environmental Planning & Management, Inc.
1983 Marcus Ave. Suite 109
Lake Success, New York 11042

Re: Data Validation – Katonah – 4th Quarter 2008 Water Sampling
C.T. Male Project No.: 07.7690

Dear Mr. Cherepany:

This Data Validation Summary Report for organic analysis was generated for the samples collected in association with the field investigation for the Katonah 4th Quarter 2008 Water Sampling. Three (3) water samples were collected on December 30, 2008. The samples were submitted, along with a field duplicate, a matrix spike (MS) sample, a MS duplicate (MSD) sample and a trip blank to Accutest Laboratories (Accutest) in Dayton, New Jersey for volatile organic analysis (VOA) by the United States Environmental Protection Agency (USEPA) Method 524.2 by Gas Chromatography / Mass Spectrometry (GC/MS).

C. T. Male Associates, P. C. evaluated the data reported by the laboratory to determine data usability and deviations in accordance with the *USEPA Region II Standard Operation Procedure for the Validation of Organic Data Acquired Using Method 524.2* (October 2001); with guidance from the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* (October 1999); and the appropriate method from the *New York State Department of Environmental Conservation (NYSDEC) Analytical Service Protocols (ASP)*, where applicable. The following criteria were reviewed:

- Completeness of data package as defined under the requirements for the NYSDEC ASP Category B or USEPA CLP deliverables;
- Holding time compliance for chemical analysis;
- Protocol required limits and specification compliance for quality control (QC) data (e.g., instrument tuning, calibration standards, blank results, spike results, duplicate results, etc);
- Contract compliance for analytical protocols;
- Omissions and transcription errors; and
- Data qualification.

1.0 Data Completeness

Documentation required by the project was included in the data package. There were no discrepancies found between the raw data and summary forms. The laboratory Case Narrative (Attachment A) identified deviations from laboratory analytical specifications. QC exceedences and data qualification recommendations are presented in the Data Evaluation Checklist (Attachment B).

Qualified sample results are presented in the laboratory summary forms, which are located in Attachment C. QC exceedences and data qualification recommendations are summarized below.

2.0 Sample Condition Upon Receipt

Accutest received all the samples listed on the chain of custody (COC) record intact and in good condition. The temperatnre of samples was within laboratory specification limits of 2 to 6°C upon receipt.

3.0 VOA by USEPA Method 524.2 GC/MS

3.1 Holding Times

The project samples were analyzed within the acceptable NYSDEC ASP holding time of 10 days from Verified Time of Sample Receipt (VTSR) for the preserved water samples.

3.2 GC/MS Instrument Performance Check and Calibration

All samples were analyzed within 12 hours of the performance check standard, BFB. Percent relative abundance of all ions met the criteria specified in Table 3 of the USEPA Method 524.2. Laboratory specifications were met during the initial and continuing calibrations associated with the projeet samples. In addition the average relative response factor (RRF) was greater than or equal to 0.05 for target analytes during the initial and continuing calibrations, exeept the RRF results were below 0.05 during the initial and continuing calibrations associated with the project samples for acetone and 2-hutanonc. The associated results havc been qualified as estimated (J/UJ) due to poor correlation in the calibration standards. The percent relative standard deviation (%RSD) between RRF was less than or equal to 30% during the initial calibratiou, and the percent differcnce (%D) between the initial calibration average RRF and continuing calibration RRF was less than or equal to 25% for target analytes.

3.3 Surrogate Recovery and Internal Standards

Surrogate recovery and internal standard results met laboratory specifications for project samples.

3.4 Laboratory Control Sample (LCS)

The percent recovery (%R) results for LCS analyses were within laboratory specifications for the target analytes.

3.5 Matrix Spike and Matrix Spike Duplicate (MS/MSD)

Criteria for accuracy were met during the MS/MSD analysis of sample RW for target analytes. The relative percent difference (%RPD) between the MS and MSD exceeded laboratory specifications for bromochloromethane, n-butylbenzene, see-butylbenzene, tert-hutylbenzene, chloroform, carbon tetraehloride, 1,1-diehloroethane, 1,1-diehloropropene, 1,2-dichloropropane, 1,3-dichloropropane, m-

dichlorobenzene, o-dichlorobenzene, cis-1,2-dichloroethylene, ethylbenzene, hexane, p-isopropyltoluene, methylene chloride, methyl tert butyl ether, naphthalene, styrene, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m&p-xylenes and xylenes (total). The associated results have been qualified as estimated (J/UJ) due to analytical imprecision.

3.6 Method Blanks, Field Blank and Trip Blank

A method blank was reported for each analytical batch. A trip blank was submitted to the laboratory for VOA. Target analytes were not detected during the analysis of the method blank or the trip blank associated with the project samples.

3.7 Field Duplicates

A field duplicate evaluation was performed on samples DUP (blind field duplicate) and RW. Refer to Attachment B-1 for the duplicate evaluation. Criteria for precision was achieved for the detected analytes.

Summary

Overall, data quality objectives were met, as there were no data deficiencies that would indicate the need for re-sampling. All data reviewed is considered to be valid and usable with the appropriate qualifiers as noted in the data summary forms located in Attachment C. No analytical data has been rejected.

If you have any questions please contact me at (518) 786-7400.

Sincerely,

C. T. MALE ASSOCIATES, P. C.

Megan Drosky
Environmental Scientist

Enclosures

ATTACHMENT A
Case Narrative

ACCUTEST Laboratories

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Environmental Planning and Management	**Job No**	JA8970
Site:	Katonah Q4, Katonah Pump House, Bedford, NY	**Report Date**	1/9/2009 8:59:20 AM

On 12/31/2008, 4 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 3.2 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA8970 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method EPA 524.2 REV 4.1

Matrix: AQ	Batch ID: V3B1917

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA8970-3MS, JA8970-3MSD were used as the QC samples indicated.
- RPD(s) for MSD for 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloropropene, 1,2,3-Trichloropropane, 1,2,4-Trimethylbenzene, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichloropropane, Bromochloromethane, Carbon tetrachloride, Chloroform, cis-1,2-Dichloroethylene, Ethylbenzene, Hexane, m,p-Xylene, m-Dichlorobenzene, Methyl Tert Butyl Ether, Methylene chloride, n-Butylbenzene, Naphthalene, o-Dichlorobenzene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Xylenes (total) are outside control limits for sample JA8970-3MSD. Outside control limits due to matrix interference.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover.

ATTACHMENT B
Data Evaluation Checklist

Data Evaluation Checklist
Organic Analyses

Project: Environmental Planning and Management – Katonah
Job No.: JA8970
Laboratory: Accutest Laboratories – New Jersey
Reviewer: Megan Drosky

Project No: 07.7690
Method: USEPA 524.2 (VOA)
Associated Sample IDs: RW, DUP, DIST, STEFF and Trip Blank
Sample Date: 12/30/08
Date: 01/27/09

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were holding times met?	✓			VOA: ≤10 days	
2 Were sample storage and preservation requirements met?	✓			3.2°C (2-6°C).	
3. Was a method blank analyzed with each batch?	✓			VOA: V3B1917-MB	
4. Were target analytes reported in the method or calibration blanks above the Detection Limit?		✓			
5 Were target analytes reported in field blank analyses (e.g., trip, ~~ambient, field, or equipment~~) above the DL?		✓			
6 Were contaminants detected in samples below the blank contamination action level?			✓		
7 Were initial and continuing calibration standards analyzed at the lab-specified frequency for each instrument?	✓			• VOA o Initial calibration: 12/30/08 o Continuing calibration: 12/31/08 @ 21:25	
8. Were these results within lab or project specifications?		✓		VOA – • Initial calibration of 12/30/08. The RF >0.05 and %RSD between response factors was less than 30% for all target analytes except acetone (0.016 RRF) and 2-butanone (0.022 RRF) J/UJ • Continuing calibration of 12/31/08. The RF>0.05 and %D <25% for all target analytes except acetone (0.017 RRF) and 2-butanone (0.025 RRF). J/UJ	J/UJ
9. Were the results of the ICS Check Standard analysis within 80-120% of the true value (metals only)?			✓		
10. Was a CRDL Standard analyzed for metals?			✓		
11. Were recoveries within 70-130% of the true value during the CRDL analysis (CRA, CRI)?			✓		
12. Was a LCS analyzed with each batch?	✓			VOA: V3B1917-BS	
13. Were LCS' recoveries within lab specifications?	✓				

Data Evaluation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
14. Were LCS/LCSD RPD within lab specifications?			✓	LCS only	
15. Was a MS/MSD pair analyzed with each batch?	✓			VOA: JA8970-3 (RW)	
16. Is the MS/MSD parent sample a project-specific sample?	✓				
17. Were MS/MSD recoveries within lab specifications? *Only QC results for project samples are evaluated*	✓				
18 Were MS/MSD RPD within lab specifications? *Only QC results for project samples are evaluated.*		✓		• Bromochloromethane @ 17%RPD (<15). UJ • N-Butylbenzene @ 19%RPD (<16). UJ • Sec-Butylbenzene @ 19%RPD (<16). UJ • Tert-Bntylbenzene @ 30%RPD (<19). UJ • Chloroform @ 12%RPD (<10). UJ • Carbon Tetrachloride @ 19%RPD (<17). UJ • 1,1-Dichloroethane @ 16%RPD (<15). UJ • 1,1,-Dichloropropene @ 17%RPD (<16). UJ • 1,2-Dichloropropane @ 12%RPD (<11). UJ • 1,3-Dichloropropane @ 14%RPD (<11). UJ • m-Dichlorobenzene @ 14%RPD (<12). UJ • o-Dichlorobenzene @ 14%RPD (<13). UJ • cis-1,2-Dichloroethylene @ 16%RPD (<14). J • Ethylbenzene @ 19%RPD (<15). UJ • Hexane @ 25%RPD (<20). UJ • p-Isopropyltoluene @19%RPD (<16). UJ • Methylene Chloride @ 17%RPD (<13). UJ • MTBE @ 15%RPD (<12). J • Naphthalene @ 14%RPD (<13). UJ • Styrene @ 15%RPD (<13). UJ • 1,1,1,2-Tetrachloroethane @ 16%RPD (<15) UJ • 1,1,2,2-Tetrachloroethane @ 15%RPD (<12). UJ • 1,1,2-Trichloroethane @ 14%RPD (<10). UJ • 1,2,3-Trichloropropane @ 13%RPD (<12). UJ • 1,2,4-Trimethylbenzene @ 16%RPD (<15). UJ • 1,3,5-Trimethylbenzene @ 15%RPD (<14). UJ • m&p-Xylenes @ 16%RPD (<14). UJ • Xylenes @ 16%RPD (<15). UJ	J/UJ
19 Was a serial dilution conducted on each inorganic batch?			✓		

Data Evaluation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
20. Is the serial dilution parent sample a project-specific sample?			✓		
21. Is the percent difference between the serially diluted result and undiluted result less than 10% (for those analytes with native concentrations greater than 50x the DL)? *Only QC results for project samples are evaluated.*			✓		
22. Was a laboratory duplicate analyzed with each batch?		✓			
23. Is the laboratory duplicate sample a project-specific sample?			✓		
24. Does laboratory duplicate results meet lab specifications? *Only QC results for project samples are evaluated*			✓		
25. Were surrogate recoveries within lab specifications during organic analysis?	✓				
26. Were internal standard results within lab specifications during the VOA?	✓				
27. Were TIC reported and were reported results qualified as estimated concentrations?		✓			
28. Were field duplicate samples submitted to the laboratory for analysis?	✓			DUP is the field duplicate of RW.	
29. Was precision deemed acceptable as defined by DV Guidelines?		✓		Refer to Attachment B-1 for duplicate evaluation.	J/UJ
30 Were laboratory-generated Corrective Action Reports (i.e., QCER) issued? If yes, summarize contents or attach copy of the report.		✓			
31. Were lab comments included in report? If yes, summarize contents or attach a copy of the narrative.	✓			Refer to Case Narrative	

Comments:

The data review process was modeled after the Appendix 2B, Guidance for the Development of Data Usability Summary Reports, of *Draft DER-10 Technical Guidance for Site Investigation and Remediation* (NYSDEC, December 2002) with guidance from the applicable Region 2 RCRA and CERCLA Field and Data Validation Standard Operating Procedures and the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* (October 1999).

Key:

J	Positive sample result is considered estimated	UJ	Sample result is not detected and the detection limit is considered estimated
R	Unusable data	ND	Sample result is not detected
R+	Positive sample result is considered unusable	N	A "tentative identification" has been made of the presence of an analyte
U	*Not present above the associated level; blank contamination exists*		

Evaluation of Field Duplicate Results

ATTACHMENT B-1

Analyte	RW	DUP	MDL	MDLx5	*Criteria*	RPD	Absolute difference	Action
cis-1,2-Dichloroethylene	0.46	0.46	0.081	0.405	*RPD*	0	0	None, RPD<20%
MTBE	0.13	0.13	0.065	0.325	*Abs Diff*	0	0	None, absolute difference <MDL
Tetrachloroethylene	34.1	34.9	0.17	0.85	*RPD*	2	0.8	None, RPD<20%
Trichloroethylene	0.87	0.8	0.29	1.45	*Abs Diff*	8	0.07	None, absolute difference <MDL

Note: If the analyte was not detected, then the cell is left blank.

RPD - Relative percent difference

*Results are reported in ug/L

Precision is based on either the absolute difference between sample results or RPD. If the sample results are less than or equal to 5x's the MDL, then precision is based on the absolute difference between duplicate results. If sample results >5x's MDL, then precision is evaluated using RPD. J sample results whenever the absolute difference is greater than MDL or RPD >20%. If the analyte is detected in one sample but not the other, then J/UJ sample results. Above table presents results for detected analytes only. Blank cells indicate that the analyte was not detected.

ATTACHMENT C
Qualified Sample Results

Accutest Laboratories

Report of Analysis

Client Sample ID:	DIST		
Lab Sample ID:	JA8970-1	Date Sampled:	12/30/08
Matrix:	DW - Drinking Water	Date Received:	12/31/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B41605.D	1	01/01/09	MFH	n/a	n/a	V3B1917
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	1.3	ug/l	
78-93-3	2-Butanone	ND		5.0	1.2	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.069	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.089	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.31	ug/l	
75-27-4	Bromodichloromethane	2.5		0.50	0.091	ug/l	
75-25-2	Bromoform	6.0		0.50	0.18	ug/l	
74-83-9	Bromomethane	ND		0.50	0.38	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.41	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.14	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.064	ug/l	
75-00-3	Chloroethane	ND		0.50	0.24	ug/l	
67-66-3	Chloroform	0.70		0.50	0.068	ug/l	
74-87-3	Chloromethane	ND		0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.088	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.089	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.092	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.42	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.065	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.072	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.051	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.25	ug/l	
124-48-1	Dibromochloromethane	6.0		0.50	0.074	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.18	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.38	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.084	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
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

Report of Analysis

Client Sample ID:	DIST		
Lab Sample ID:	JA8970-1	Date Sampled:	12/30/08
Matrix:	DW - Drinking Water	Date Received:	12/31/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND		0.50	0.065	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.32	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.054	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.081	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.15	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.19	ug/l	
110-54-3	Hexane	ND		0.50	0.36	ug/l	
591-78-6	2-Hexanone	ND		2.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.40	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.065	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.45	ug/l	
91-20-3	Naphthalene	ND		0.50	0.074	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.073	ug/l	
100-42-5	Styrene	ND	100	0.50	0.15	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.084	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.059	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.083	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.24	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.092	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.064	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.071	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.041	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.29	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.18	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.24	ug/l	
	m,p-Xylene	ND		1.0	0.21	ug/l	
95-47-6	o-Xylene	ND		0.50	0.066	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	92%		74-123%
460-00-4	4-Bromofluorobenzene	91%		71-123%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
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

Raw Data: [redacted]

Accutest Laboratories

Report of Analysis

Client Sample ID:	STEFF		
Lab Sample ID:	JA8970-2	Date Sampled:	12/30/08
Matrix:	DW - Drinking Water Eff	Date Received:	12/31/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B41606.D	1	01/01/09	MFH	n/a	n/a	V3B1917
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	1.3	ug/l	
78-93-3	2-Butanone	ND		5.0	1.2	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.069	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.089	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.31	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.091	ug/l	
75-25-2	Bromoform	ND		0.50	0.18	ug/l	
74-83-9	Bromomethane	ND		0.50	0.38	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.41	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.14	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.064	ug/l	
75-00-3	Chloroethane	ND		0.50	0.24	ug/l	
67-66-3	Chloroform	ND		0.50	0.068	ug/l	
74-87-3	Chloromethane	ND		0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.088	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.089	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.092	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.42	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.065	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.072	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.051	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.25	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.074	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.18	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.38	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.084	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
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

Report of Analysis

Client Sample ID:	STEFF		
Lab Sample ID:	JA8970-2	Date Sampled:	12/30/08
Matrix:	DW - Drinking Water Eff	Date Received:	12/31/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND		0.50	0.065	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.32	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.054	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.081	ug/l	
10061-02-6	trans 1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.15	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.19	ug/l	
110-54-3	Hexane	ND		0.50	0.36	ug/l	
591-78-6	2-Hexanone	ND		2.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.40	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.065	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.45	ug/l	
91-20-3	Naphthalene	ND		0.50	0.074	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.073	ug/l	
100-42-5	Styrene	ND	100	0.50	0.15	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.084	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.059	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.083	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.24	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.092	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.064	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.071	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.041	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.29	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.18	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.24	ug/l	
	m,p-Xylene	ND		1.0	0.21	ug/l	
95-47-6	o-Xylene	ND		0.50	0.066	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	96%		74-123%
460-00-4	4-Bromofluorobenzene	89%		71-123%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
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:	RW		
Lab Sample ID:	JA8970-3	Date Sampled:	12/30/08
Matrix:	DW - Drinking Water	Date Received:	12/31/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B41607.D	1	01/01/09	MFH	n/a	n/a	V3B1917
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	1.3	ug/l	
78-93-3	2-Butanone	ND		5.0	1.2	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.069	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.089	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.31	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.091	ug/l	
75-25-2	Bromoform	ND		0.50	0.18	ug/l	
74-83-9	Bromomethane	ND		0.50	0.38	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.41	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.14	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.064	ug/l	
75-00-3	Chloroethane	ND		0.50	0.24	ug/l	
67-66-3	Chloroform	ND		0.50	0.068	ug/l	
74-87-3	Chloromethane	ND		0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.088	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.089	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.21	ug/l	
75-34-3	1,1 Dichloroethane	ND		0.50	0.092	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.42	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.065	ug/l	
107-06-2	1,2 Dichloroethane	ND	5.0	0.50	0.072	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.051	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.25	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.074	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.18	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.38	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.084	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
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

Report of Analysis

Client Sample ID:	RW		
Lab Sample ID:	JA8970-3	**Date Sampled:**	12/30/08
Matrix:	DW - Drinking Water	**Date Received:**	12/31/08
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND		0.50	0.065	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.32	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.054	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.46	70	0.50	0.081	ug/l	J
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.15	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.19	ug/l	
110-54-3	Hexane	ND		0.50	0.36	ug/l	
591-78-6	2-Hexanone	ND		2.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.40	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.13		0.50	0.065	ug/l	J
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.45	ug/l	
91-20-3	Naphthalene	ND		0.50	0.074	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.073	ug/l	
100-42-5	Styrene	ND	100	0.50	0.15	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.084	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.059	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.083	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.24	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.092	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.064	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.071	ug/l	
127-18-4	Tetrachloroethylene	34.1	5.0	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.041	ug/l	
79-01-6	Trichloroethylene	0.87	5.0	0.50	0.29	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.18	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.24	ug/l	
	m,p-Xylene	ND		1.0	0.21	ug/l	
95-47-6	o-Xylene	ND		0.50	0.066	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	97%		74-123%
460-00-4	4-Bromofluorobenzene	95%		71-123%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
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:	DUP		
Lab Sample ID:	JA8970-4	Date Sampled:	12/30/08
Matrix:	DW - Drinking Water	Date Received:	12/31/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B41608.D	1	01/01/09	MFH	n/a	n/a	V3B1917
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	1.3	ug/l	
78-93-3	2-Butanone	ND		5.0	1.2	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.069	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.089	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.31	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.091	ug/l	
75-25-2	Bromoform	ND		0.50	0.18	ug/l	
74-83-9	Bromomethane	ND		0.50	0.38	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.41	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.14	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.064	ug/l	
75-00-3	Chloroethane	ND		0.50	0.24	ug/l	
67-66-3	Chloroform	ND		0.50	0.068	ug/l	
74-87-3	Chloromethane	ND		0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.088	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.089	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.092	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.42	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.065	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.072	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.051	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.25	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.074	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.18	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.38	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.084	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
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

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	JA8970-4	**Date Sampled:**	12/30/08
Matrix:	DW - Drinking Water	**Date Received:**	12/31/08
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND		0.50	0.065	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.32	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.054	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.46	70	0.50	0.081	ug/l	J
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.15	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.19	ug/l	
110-54-3	Hexane	ND		0.50	0.36	ug/l	
591-78-6	2-Hexanone	ND		2.0	1.4	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.40	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.13		0.50	0.065	ug/l	J
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.45	ug/l	
91-20-3	Naphthalene	ND		0.50	0.074	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.073	ug/l	
100-42-5	Styrene	ND	100	0.50	0.15	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.084	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.059	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.083	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.24	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.092	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.064	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.071	ug/l	
127-18-4	Tetrachloroethylene	34.9	5.0	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.041	ug/l	
79-01-6	Trichloroethylene	0.80	5.0	0.50	0.29	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.18	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.24	ug/l	
	m,p-Xylene	ND		1.0	0.21	ug/l	
95-47-6	o-Xylene	ND		0.50	0.066	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	95%		74-123%
460-00-4	4-Bromofluorobenzene	93%		71-123%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
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

Raw Data: [redacted]

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JA8970-5	Date Sampled	12/30/08
Matrix:	DW - Drinking Water TB	Date Received:	12/31/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B41609.D	1	01/01/09	MFH	n/a	n/a	V3B1917
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	1.3	ug/l	
78-93-3	2-Butanone	ND		5.0	1.2	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.069	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.089	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.31	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.091	ug/l	
75-25-2	Bromoform	ND		0.50	0.18	ug/l	
74-83-9	Bromomethane	ND		0.50	0.38	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.41	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.14	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.064	ug/l	
75-00-3	Chloroethane	ND		0.50	0.24	ug/l	
67-66-3	Chloroform	ND		0.50	0.068	ug/l	
74-87-3	Chloromethane	ND		0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.088	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.089	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.092	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.42	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.065	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.072	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.051	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.25	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.074	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.18	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.38	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.084	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JA8970-5	Date Sampled:	12/30/08
Matrix:	DW - Drinking Water TB	Date Received:	12/31/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND		0.50	0.065	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.32	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.054	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.081	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.15	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.19	ug/l	
110-54-3	Hexane	ND		0.50	0.36	ug/l	
591-78-6	2-Hexanone	ND		2.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.40	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.065	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.45	ug/l	
91-20-3	Naphthalene	ND		0.50	0.074	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.073	ug/l	
100-42-5	Styrene	ND	100	0.50	0.15	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.084	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.059	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.083	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.24	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.092	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.064	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.071	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.041	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.29	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.18	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.24	ug/l	
	m,p-Xylene	ND		1.0	0.21	ug/l	
95-47-6	o-Xylene	ND		0.50	0.066	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	94%		74-123%
460-00-4	4-Bromofluorobenzene	91%		71-123%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
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

APPENDIX B
LABORATORY ANALYSIS SUMMARY REPORT

New Jersey ACCUTEST

01/09/09

Technical Report for

Environmental Planning and Management

Katonah Q4, Katonah Pump House, Bedford, NY

28001

Accutest Job Number: JA8970

Sampling Date: 12/30/08

Report to:

EPM
1983 Marcus Avenue
Suite 109
Lake Success, NY 11042

ATTN: Steve Cherepany

Total number of pages in report: **156**

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.

David N. Speis
VP Ops, Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Tony Esposito 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6

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Sample Summary

Environmental Planning and Management

Job No: JA8970

Katonah Q4, Katonah Pump House, Bedford, NY
Project No: 28001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JA8970-1	12/30/08	09:50	DS	12/31/08	DW	Drinking Water	DIST
JA8970-2	12/30/08	10:05	DS	12/31/08	DW	Drinking Water Eff	STEFF
JA8970-3	12/30/08	10:20	DS	12/31/08	DW	Drinking Water	RW
JA8970-3D	12/30/08	10:40	DS	12/31/08	DW	Drinking Water Dup.	RW/MSD
JA8970-3S	12/30/08	10:40	DS	12/31/08	DW	Drinking Water MS	RW/MS
JA8970-4	12/30/08	11:15	DS	12/31/08	DW	Drinking Water	DUP
JA8970-5	12/30/08	11:15	DS	12/31/08	DW	Drinking Water TB	TRIP BLANK

ACCUTEST.

2

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Environmental Planning and Management	**Job No**	JA8970
Site:	Katonah Q4, Katonah Pump House, Bedford, NY	**Report Date**	1/9/2009 8:59:20 AM

On 12/31/2008, 4 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 3.2 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA8970 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method EPA 524.2 REV 4.1

Matrix: AQ **Batch ID** V3B1917

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria
- Sample(s) JA8970-3MS, JA8970-3MSD were used as the QC samples indicated.
- RPD(s) for MSD for 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloropropene, 1,2,3-Trichloropropane, 1,2,4-Trimethylbenzene, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichloropropane, Bromochloromethane, Carbon tetrachloride, Chloroform, cis-1,2-Dichloroethylene, Ethylbenzene, Hexane, m,p-Xylene, m-Dichlorobenzene, Methyl Tert Butyl Ether, Methylene chloride, n-Butylbenzene, Naphthalene, o-Dichlorobenzene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Xylenes (total) are outside control limits for sample JA8970-3MSD Outside control limits due to matrix interference

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	DIST		
Lab Sample ID:	JA8970-1	Date Sampled:	12/30/08
Matrix:	DW - Drinking Water	Date Received:	12/31/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B41605.D	1	01/01/09	MFH	n/a	n/a	V3B1917
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	1.3	ug/l	
78-93-3	2-Butanone	ND		5.0	1.2	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.069	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.089	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.31	ug/l	
75-27-4	Bromodichloromethane	2.5		0.50	0.091	ug/l	
75-25-2	Bromoform	6.0		0.50	0.18	ug/l	
74-83-9	Bromomethane	ND		0.50	0.38	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.41	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.14	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.064	ug/l	
75-00-3	Chloroethane	ND		0.50	0.24	ug/l	
67-66-3	Chloroform	0.70		0.50	0.068	ug/l	
74-87-3	Chloromethane	ND		0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.088	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.089	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.092	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.42	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.065	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.072	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.051	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.25	ug/l	
124-48-1	Dibromochloromethane	6.0		0.50	0.074	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.18	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.38	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.084	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
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

Report of Analysis

Client Sample ID:	DIST		
Lab Sample ID:	JA8970-1	Date Sampled:	12/30/08
Matrix:	DW - Drinking Water	Date Received:	12/31/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND		0.50	0.065	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.32	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.054	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.081	ug/l	
10061-02-6	trans-1,3-Dichloropropeue	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.15	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.19	ug/l	
110-54-3	Hexane	ND		0.50	0.36	ug/l	
591-78-6	2-Hexanone	ND		2.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.40	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.065	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.45	ug/l	
91-20-3	Naphthalene	ND		0.50	0.074	ug/l	
103-65-1	n-Propylbenzeue	ND		0.50	0.073	ug/l	
100-42-5	Styrene	ND	100	0.50	0.15	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.084	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.059	ng/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.083	ug/l	
79-00-5	1,1,2-Trichloroethaue	ND	5.0	0.50	0.24	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.092	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.064	ug/l	
95-63-6	1,2,4-Trimethylbenzeue	ND		0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.071	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.041	ug/l	
79-01-6	Trichloroethyleue	ND	5.0	0.50	0.29	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.18	ng/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.24	ug/l	
	m,p-Xylene	ND		1.0	0.21	ug/l	
95-47-6	o-Xylene	ND		0.50	0.066	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	92%		74-123%
460-00-4	4-Bromofluorobenzene	91%		71-123%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
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:	STEFF		
Lab Sample ID:	JA8970-2	Date Sampled:	12/30/08
Matrix:	DW - Drinking Water Eff	Date Received:	12/31/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Katonah Q4. Katonah Pump House, Bedford, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B41606.D	1	01/01/09	MFH	n/a	n/a	V3B1917
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	1.3	ug/l	
78-93-3	2-Butanone	ND		5.0	1.2	ng/l	
71-43-2	Benzene	ND	5.0	0.50	0.069	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.089	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.31	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.091	ug/l	
75-25-2	Bromoform	ND		0.50	0.18	ug/l	
74-83-9	Bromomethane	ND		0.50	0.38	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.41	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.14	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.064	ng/l	
75-00-3	Chloroethane	ND		0.50	0.24	ug/l	
67-66-3	Chloroform	ND		0.50	0.068	ug/l	
74-87-3	Chloromethane	ND		0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.088	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.089	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.092	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.42	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.065	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.072	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.051	ng/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.25	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.074	ng/l	
74-95-3	Dibromomethane	ND		0.50	0.18	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.38	ng/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.084	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
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

Report of Analysis

Client Sample ID:	STEFF		
Lab Sample ID:	JA8970-2	**Date Sampled:**	12/30/08
Matrix:	DW - Drinking Water Eff	**Date Received:**	12/31/08
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND		0.50	0.065	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.32	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.054	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.081	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.15	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.19	ug/l	
110-54-3	Hexane	ND		0.50	0.36	ug/l	
591-78-6	2-Hexanone	ND		2.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.40	ug/l	
99-87-6	p-Isopropyltolueue	ND		0.50	0.40	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.065	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.45	ug/l	
91-20-3	Naphthalene	ND		0.50	0.074	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.073	ug/l	
100-42-5	Styrene	ND	100	0.50	0.15	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.084	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.059	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.083	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.24	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.092	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzeue	ND	70	0.50	0.064	ug/l	
95-63-6	1,2,4-Trimethylbenzeue	ND		0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.071	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.041	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.29	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.18	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.24	ug/l	
	m,p-Xylene	ND		1.0	0.21	ug/l	
95-47-6	o-Xylene	ND		0.50	0.066	ug/l	
1330-20-7	Xyleues (total)	ND	10000	0.50	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	96%		74-123%
460-00-4	4-Bromofluorobenzene	89%		71-123%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contaminatiou Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blauk
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW		
Lab Sample ID:	JA8970-3	Date Sampled:	12/30/08
Matrix:	DW - Drinking Water	Date Received:	12/31/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND		0.50	0.065	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.32	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.054	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.46	70	0.50	0.081	ug/l	J
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.15	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.19	ug/l	
110-54-3	Hexane	ND		0.50	0.36	ug/l	
591-78-6	2-Hexanone	ND		2.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.40	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.13		0.50	0.065	ug/l	J
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.45	ug/l	
91-20-3	Naphthalene	ND		0.50	0.074	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.073	ug/l	
100-42-5	Styrene	ND	100	0.50	0.15	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.084	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.059	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.083	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.24	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.092	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.064	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.071	ug/l	
127-18-4	Tetrachloroethylene	34.1	5.0	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.041	ug/l	
79-01-6	Trichloroethylene	0.87	5.0	0.50	0.29	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.18	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.24	ug/l	
	m,p-Xylene	ND		1.0	0.21	ug/l	
95-47-6	o-Xylene	ND		0.50	0.066	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	97%		74-123%
460-00-4	4-Bromofluorobenzene	95%		71-123%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
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:	RW		
Lab Sample ID:	JA8970-3	Date Sampled:	12/30/08
Matrix:	DW - Drinking Water	Date Received:	12/31/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B41607.D	1	01/01/09	MFH	n/a	n/a	V3B1917
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	1.3	ug/l	
78-93-3	2-Butanone	ND		5.0	1.2	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.069	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.089	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.31	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.091	ug/l	
75-25-2	Bromoform	ND		0.50	0.18	ug/l	
74-83-9	Bromomethane	ND		0.50	0.38	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.41	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.14	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.064	ug/l	
75-00-3	Chloroethane	ND		0.50	0.24	ug/l	
67-66-3	Chloroform	ND		0.50	0.068	ug/l	
74-87-3	Chloromethane	ND		0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.088	ug/l	
106-43-4	p-Chlorotolnene	ND		0.50	0.089	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.092	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.42	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.065	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.072	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.051	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.25	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.074	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.18	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.38	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.084	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates valoe 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:	DUP		
Lab Sample ID:	JA8970-4	Date Sampled:	12/30/08
Matrix:	DW - Drinking Water	Date Received:	12/31/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B41608.D	1	01/01/09	MFH	n/a	n/a	V3B1917
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	1.3	ug/l	
78-93-3	2-Butanone	ND		5.0	1.2	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.069	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.089	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.31	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.091	ug/l	
75-25-2	Bromoform	ND		0.50	0.18	ug/l	
74-83-9	Bromomethane	ND		0.50	0.38	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.41	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.14	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.064	ug/l	
75-00-3	Chloroethane	ND		0.50	0.24	ug/l	
67-66-3	Chloroform	ND		0.50	0.068	ug/l	
74-87-3	Chloromethane	ND		0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.088	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.089	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.092	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.42	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.065	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.072	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.051	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.25	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.074	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.18	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.38	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.084	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
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

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	JA8970-4	Date Sampled:	12/30/08
Matrix:	DW - Drinking Water	Date Received:	12/31/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND		0.50	0.065	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.32	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.054	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.46	70	0.50	0.081	ug/l	J
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.15	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.19	ug/l	
110-54-3	Hexane	ND		0.50	0.36	ug/l	
591-78-6	2-Hexanone	ND		2.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.40	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.13		0.50	0.065	ug/l	J
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.45	ug/l	
91-20-3	Naphthalene	ND		0.50	0.074	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.073	ug/l	
100-42-5	Styrene	ND	100	0.50	0.15	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.084	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.059	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.083	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.24	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.092	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.064	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.071	ug/l	
127-18-4	Tetrachloroethylene	34.9	5.0	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.041	ug/l	
79-01-6	Trichloroethylene	0.80	5.0	0.50	0.29	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.18	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.24	ug/l	
	m,p-Xylene	ND		1.0	0.21	ug/l	
95-47-6	o-Xylene	ND		0.50	0.066	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	95%		74-123%
460-00-4	4-Bromofluorobenzene	93%		71-123%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
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:	TRIP BLANK		
Lab Sample ID:	JA8970-5	Date Sampled:	12/30/08
Matrix:	DW - Drinking Water TB	Date Received:	12/31/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Katouah Q4, Katonah Pump House, Bedford, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B41609.D	1	01/01/09	MFH	n/a	n/a	V3B1917
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	1.3	ug/l	
78-93-3	2-Butanone	ND		5.0	1.2	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.069	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.089	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.31	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.091	ug/l	
75-25-2	Bromoform	ND		0.50	0.18	ug/l	
74-83-9	Bromomethane	ND		0.50	0.38	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.41	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.14	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.064	ug/l	
75-00-3	Chloroethane	ND		0.50	0.24	ug/l	
67-66-3	Chloroform	ND		0.50	0.068	ug/l	
74-87-3	Chloromethane	ND		0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.088	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.089	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.092	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.42	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.065	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.072	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.051	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.25	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.074	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.18	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.38	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.084	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JA8970-5	Date Sampled:	12/30/08
Matrix:	DW - Drinking Water TB	Date Received:	12/31/08
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND		0.50	0.065	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.32	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.054	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.081	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.15	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.19	ug/l	
110-54-3	Hexane	ND		0.50	0.36	ug/l	
591-78-6	2-Hexanone	ND		2.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.40	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.065	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.45	ug/l	
91-20-3	Naphthalene	ND		0.50	0.074	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.073	ug/l	
100-42-5	Styrene	ND	100	0.50	0.15	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.084	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.059	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.083	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.24	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.092	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.064	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.071	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.041	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.29	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.18	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.24	ug/l	
	m,p-Xylene	ND		1.0	0.21	ug/l	
95-47-6	o-Xylene	ND		0.50	0.066	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	94%		74-123%
460-00-4	4-Bromofluorobenzene	91%		71-123%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody
- 2007 MDL Study - Method: EPA 524.2 REV 4.1

CHAIN OF CUSTODY

ACCUTEST. DW Laboratories

2235 Route 130, Dayton NJ 08810
TEL 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #: 8636 1013 7426
Bottle Order Control #: TE-1237008-10
Accutest Quote #:
Accutest Job #: JA8970

Client / Reporting Information

Company Name: Environmental Planning & Management
Address: 1983 Marcus Ave, Suite 109
City: Lake Success State: NY Zip: 11042
Project Contact: Stephen Chrzepany E-mail: schrzepany@epmea.com
Phone #: 516-328-1194
Sampler's Name: Dmitry Shvets

Project Information

Project Name: Katonah Q4
Street: Katonah Pump House
City: Bedford State: NY
Project #: 28601
Fax #: 516-328-1381
Client Purchase Order #:

Requested Analyses: VOC 524.2

Accutest Sample #	Field ID / Point of Collection	SUMMA # / MEOH Vial #	Date	Time	Sampled By	Matrix	# of bottles	Preserved	VOC 524.2	LAB USE ONLY
-1	DIST		12/30/08	9:50	DS	DW	3	X	X	2199AH
-2	STEFF		12/30/08	10:05	DS	DW	3	X	X	
-3	RW		12/30/08	10:20	DS	DW	3	X	X	
	RW/MSMSD		12/30/08	10:40	DS	DW	3	X	X	
-4	DUP		12/30/08	11:15	DS	DW	3	X	X	
-5	TRIP BLANK		12/03/08	6:30	DS	DW	2	X	X	

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

Turnaround Time (Business Days)

- [x] Std. 15 Business Days
- [ ] 10 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] Other

Approved By / Date:

Emergency & Rush T/A data available VIA LabLink

Data Deliverable Information

- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] NJ Reduced
- [ ] NJ Full
- [ ] Other
- [ ] FULL CLP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results Only

Comments / Remarks

NYASP CAT B
FULL DELIVERABLE
7 DAYS TO ANALYZE

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

Relinquished by	Date Time	Received by	Relinquished by	Date Time	Received by
1 Dmitry Shvets	12/30/08 14:00	1 Fed Ex	2 Fedex	12/31/08	2 DOri
3		3	4		4
5		5	Custody Seal #	Preserved where applicable	On Ice: ✓ Cooler Temp. 3.2 °C

rec'd intact THT 12/31/08

JA8970: Chain of Custody
Page 1 of 2

JH 0Y /0COC

ACCUTEST

Sample Log-in Summary

Lab Name: Accutest Page __ of __

Received by (Print Name): Peter Dob Log-in Date: 12/31/07

Received by (Signature): Peter D

Case Number: N/A

SDG Number:

SAS Number: N/A

	NYSDEC SAMPLE #	CORRESPONDING SAMPLE TAG #	CORRESPONDING ASSIGNED LAB #	REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
REMARKS:	N/A		JA8970	-1
1. Custody Seal(s) — Present/Absent* Intact/Broken	N/A			-2
	N/A			-3
2. Custody Seal Numbers: 508	N/A			-4
	N/A			-5
3. Chain-of-Custody Records — Present/Absent*	N/A			
	N/A			
4. Contract Lab Sample Inform. Sheet (CLSIS) — Present/Absent* N/A	N/A			
	N/A			
	N/A			
5. Airbill — Airbill/Sticker N/A Present/Absent*	N/A			
	N/A			
6. Airbill No.: N/A	N/A			
	N/A			
7. Sample Tags — Present/Absent*	N/A			
Sample Tag Nos. — Listed/Not Listed on Chain-of-Custody N/A	N/A			
	N/A			
8. Sample Condition — Intact/Broken*/ Leaking	N/A			
	N/A			
9. Does Information on custody rec., CLSIS, & sample tags agree — coc and label agree; Yes/No*	N/A			
	N/A			
	N/A			
	N/A			
10. Date received at Lab: 12/31/08	N/A			
	N/A			
11. Time Received: 9:45	N/A			
12. Do aqueous VOC vials have headspace? Yes/No*				
13. Are preserved voc soil samples fully immersed in preservative? Yes/No* (N/A)	N/A			

Sample Transfer

Fraction:

Area #:

By:

On:

See Internal Chain of Custody

JA8970: Chain of Custody

Page 2 of 2

*Contract BTSR and attach record of resolution

Reviewed By:

Date:

Logbook No.: N/A

Logbook Page No.: N/A

Form: SM10-02

Rev. Date: 8/21/03

Internal Sample Tracking Chronicle

Environmental Planning and Management

Job No: JA8970

Katonah Q4, Katonah Pump House, Bedford, NY
Project No: 28001

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA8970-1 DIST	Collected: 30-DEC-08 09:50 By: DS		Received: 31-DEC-08 By:			
JA8970-1	EPA 524.2 REV 4.1	01-JAN-09 01:06	MFH			V524STD
JA8970-2 STEFF	Collected: 30-DEC-08 10:05 By: DS		Received: 31-DEC-08 By:			
JA8970-2	EPA 524.2 REV 4.1	01-JAN-09 01:39	MFH			V524STD
JA8970-3 RW	Collected: 30-DEC-08 10:20 By: DS		Received: 31-DEC-08 By:			
JA8970-3	EPA 524.2 REV 4.1	01-JAN-09 02:12	MFH			V524STD
JA8970-4 DUP	Collected: 30-DEC-08 11:15 By: DS		Received: 31-DEC-08 By:			
JA8970-4	EPA 524.2 REV 4.1	01-JAN-09 02:44	MFH			V524STD
JA8970-5 TRIP BLANK	Collected: 30-DEC-08 11:15 By: DS		Received: 31-DEC-08 By:			
JA8970-5	EPA 524.2 REV 4.1	01-JAN-09 03:17	MFH			V524STD

Accutest Internal Chain of Custody

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY
Received: 12/31/08

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA8970-1.1	Secured Storage	Neil Christiana	12/31/08 14:42	Retrieve from Storage
JA8970-1.1	Neil Christiana	GCMS3B	12/31/08 14:42	Load on Instrument
JA8970-1.1	GCMS3B	Neil Christiana	01/02/09 11:55	Unload from Instrument
JA8970-1.1	Neil Christiana	Secured Storage	01/02/09 11:55	Return to Storage
JA8970-2.1	Secured Storage	Neil Christiana	12/31/08 14:42	Retrieve from Storage
JA8970-2.1	Neil Christiana	GCMS3B	12/31/08 14:42	Load on Instrument
JA8970-2.1	GCMS3B	Neil Christiana	01/02/09 11:55	Unload from Instrument
JA8970-2.1	Neil Christiana	Secured Storage	01/02/09 11:55	Return to Storage
JA8970-3.1	Secured Storage	Neil Christiana	12/31/08 14:42	Retrieve from Storage
JA8970-3.1	Neil Christiana	GCMS3B	12/31/08 14:42	Load on Instrument
JA8970-3.1	GCMS3B	Neil Christiana	01/02/09 11:55	Unload from Instrument
JA8970-3.1	Neil Christiana	Secured Storage	01/02/09 11:55	Return to Storage
JA8970-3.4	Secured Storage	Neil Christiana	12/31/08 14:42	Retrieve from Storage
JA8970-3.4	Neil Christiana	GCMS3B	12/31/08 14:42	Load on Instrument
JA8970-3.4	GCMS3B	Neil Christiana	01/02/09 11:55	Unload from Instrument
JA8970-3.4	Neil Christiana	Secured Storage	01/02/09 11:55	Return to Storage
JA8970-3.5	Secured Storage	Neil Christiana	12/31/08 14:42	Retrieve from Storage
JA8970-3.5	Neil Christiana	GCMS3B	12/31/08 14:42	Load on Instrument
JA8970-3.5	GCMS3B	Neil Christiana	01/02/09 11:55	Unload from Instrument
JA8970-3.5	Neil Christiana	Secured Storage	01/02/09 11:55	Return to Storage
JA8970-4.1	Secured Storage	Neil Christiana	12/31/08 14:42	Retrieve from Storage
JA8970-4.1	Neil Christiana	GCMS3B	12/31/08 14:42	Load on Instrument
JA8970-4.1	GCMS3B	Neil Christiana	01/02/09 11:55	Unload from Instrument
JA8970-4.1	Neil Christiana	Secured Storage	01/02/09 11:55	Return to Storage
JA8970-5.1	Secured Storage	Neil Christiana	12/31/08 14:42	Retrieve from Storage
JA8970-5.1	Neil Christiana	GCMS3B	12/31/08 14:42	Load on Instrument
JA8970-5.1	GCMS3B	Neil Christiana	01/02/09 11:55	Unload from Instrument
JA8970-5.1	Neil Christiana	Secured Storage	01/02/09 11:55	Return to Storage

Accutest Laboratories Annual Method Detection Limit Determination
Dayton, NJ Facility

Method: EPA 524 2 REV 4 1 (V524 2)
Instrument(s): GCMS1A, GCMS1C, GCMS2B, GCMS2E, GCMS3A, GCMS3B, GCMS3C, GCMS3D
Analyst: Pooled
Matrix: AQ
Quant Factor: 1 00
Study Period: February,2007

			Replicate Spikes											
Cmpd./Element/Parm. Name	Analysis Date	Spike ug/l	R1 ug/l	R2 ug/l	R3 ug/l	R4 ug/l	R5 ug/l	R6 ug/l	R7 ug/l	X-Bar ug/l	X-Bar %Recov.	STD.Dev. ug/l	[redacted]	Spike/MDL Ratio
Acetone	25-Jan-07	3	3.03	2.07	1 97	1.95	1.71	2.00	2.07	2 11	70.45	0.42	[redacted]	2.27
Acrolein	24-Jan-07	2	2.34	1.26	1.87	1.20	1.69	1.82	1.50	1.67	83.45	0.39	[redacted]	1.62
Acrylonitrile	26-Feb-07	2.5	1 76	1.47	1.46	1 66	1.80	1.58	1.73	1.64	65.50	0.14	[redacted]	5.81
Allyl chloride	5-Jan-07	1	1.06	0.88	0 93	0.75	0.96	0 96	0.93	0.92	92.32	0.10	[redacted]	3.32
2-Butanone	25-Jan-07	3	3.30	2.27	2 38	2.36	2.35	2.23	2.32	2.46	81.96	0.37	[redacted]	2.55
Benzene	25-Jan-07	0.5	0.53	0.51	0.52	0.50	0.50	0.49	0.46	0 50	100.24	0.02	[redacted]	7.23
Bromobenzene	4-Jan-07	0.2	0.14	0.14	0.15	0.12	0.07	0.12	0.15	0.13	64.40	0 03	[redacted]	2.24
Bromochloromethane	5-Jan-07	1	0.83	0.92	1.01	1 00	0.94	0 73	0.86	0.90	89.82	0.10	[redacted]	3 25
Bromodichloromethane	4-Jan-07	0.2	0.21	0 15	0.16	0.14	0.16	0 14	0.12	0.15	76 60	0.03	[redacted]	2.19
Bromoform	4-Jan-07	0 5	0.47	0.49	0.35	0.39	0.40	0 34	0.39	0.40	80.88	0.06	[redacted]	2.74
Bromomethane	4-Jan-07	0.5	0.50	0.79	0.42	0.51	0.46	0.51	0.50	0.53	105.55	0.12	[redacted]	1.32
n-Butylbenzene	4-Jan-07	0.5	0.35	0.44	0.35	0.35	0 41	0.39	0.35	0 38	75.68	0.04	[redacted]	4.39
sec-Butylbenzene	2-Jan-07	1	1.04	1.00	0.99	1.00	0.95	1.02	1.34	1.05	104.86	0.13	[redacted]	2 46
tert-Butylbenzene	23-Jan-07	0.5	0.40	0.42	0.34	0.37	0.33	0.42	0.36	0.38	75.24	0.04	[redacted]	4 41
Carbon disulfide	4-Jan-07	0.2	0.26	0.22	0.16	0.17	0.14	0.14	0.15	0.18	89.15	0.05	[redacted]	1.39
Chloroacetonitrile	24-Jan-07	25	24 11	25.33	24.67	25.44	25.07	23 69	22.44	24.39	97.58	1.07	[redacted]	7.42
1-Chlorobutane	24-Jan-07	1	1.33	1.32	1.40	1 32	1.36	1.42	1.33	1 35	135.42	0.04	[redacted]	7.88
Chlorobenzene	23-Jan-07	0 5	0.48	0.47	0.49	0.46	0.48	0.51	0.45	0.48	95.54	0.02	[redacted]	7.81
Chloroethane	4-Jan-07	0.5	0.19	0.24	0.21	0.34	0.17	0.34	0.16	0.24	47.24	0.08	[redacted]	2.09
Chloroform	25-Jan-07	0.5	0 51	0.52	0.51	0.51	0.48	0.49	0.46	0.50	99.34	0.02	[redacted]	7.33
2-Chloroethyl vinyl ether	4-Jan-07	2.5	2.27	2.91	2.24	2.28	2.03	2.16	2.12	2.29	91.51	0.29	[redacted]	2.76
Chloromethane	14-Feb-07	0.2	0.24	0.32	0 20	0.22	0.20	0 21	0.21	0.23	113.08	0.04	[redacted]	1.50
o-Chlorotoluene	23-Jan-07	0.5	0.46	0.50	0 48	0.45	0.46	0.52	0.44	0.47	94.44	0 03	[redacted]	5.68
p-Chlorotoluene	23-Jan-07	0.5	0.46	0.48	0.49	0.42	0 46	0.49	0.43	0.46	92.38	0.03	[redacted]	5.65
Carbon tetrachloride	4-Jan-07	0.5	0.44	0.57	0.49	0 43	0.42	0.37	0.40	0.45	89.40	0.07	[redacted]	2.42
Cyclohexane	4-Jan-07	0.5	0.37	0.55	0.43	0 43	0.39	0.43	0.34	0.42	84.12	0.07	[redacted]	2.35
1,1-Dichloroethane	14-Feb-07	1	0.89	0.83	0.83	0.84	0.81	0.80	0.82	0.83	83.31	0.03	[redacted]	10.88
1,1-Dichloroethylene	4-Jan-07	0.5	0.36	0.48	0.42	0.32	0.26	0.29	0.39	0.36	72.08	0.08	[redacted]	2.10
1,1-Dichloropropene	4-Jan-07	0.5	0.51	0.59	0.47	0.49	0 41	0.37	0 44	0.47	93.66	0.07	[redacted]	2.22
1,2-Dibromo-3-chloropropane	5-Jan-07	1	0.51	0 70	0.68	0.70	0.92	0.53	0.71	0.68	67.71	0.13	[redacted]	2.36
1,2-Dibromoethane	23-Jan-07	0.2	0.13	0.16	0.14	0.15	0.14	0 12	0.10	0.13	67.05	0.02	[redacted]	3.07
1,2-Dichloroethane	23-Jan-07	0.5	0 56	0.61	0.56	0.55	0.57	0.59	0.59	0.58	115.16	0.02	[redacted]	6.98
1,2-Dichloropropane	4-Jan-07	0.5	0.48	0.62	0.45	0.47	0.39	0.49	0.48	0.48	96.82	0.07	[redacted]	2.29
1,3-Dichloropropane	4-Jan-07	0.2	0 16	0.15	0.18	0 16	0 16	0.12	0.16	0.16	77.65	0.02	[redacted]	3.91
2,2-Dichloropropane	4-Jan-07	0 5	0.55	0.67	0 51	0.58	0.43	0.51	0.48	0.53	106.44	0.08	[redacted]	2.00
Dibromochloromethane	4-Jan-07	0.2	0.15	0.13	0.15	0.13	0.09	0.13	0 10	0.13	62.55	0 02	[redacted]	2 71
Dibromomethane	4-Jan-07	0.5	0.41	0.57	0.43	0.43	0.40	0.43	0.45	0.45	89.36	0.06	[redacted]	2.78

Detection limits derived using the method described in 40 CFR Part 136, Appendix B

Method: EPA 524.2 REV 4.1 (V524.2)
Instrument(s): GCMS1A, GCMS1C, GCMS2B, GCMS2E, GCMS3A, GCMS3B, GCMS3C, GCMS3D
Analyst: Pooled

Matrix: AQ
Quant Factor: 1.00
Study Period: February,2007

			Replicate Spikes											
Cmpd./Element/Parm. Name	Analysis Date	Spike ug/l	R1 ug/l	R2 ug/l	R3 ug/l	R4 ug/l	R5 ug/l	R6 ug/l	R7 ug/l	X-Bar ug/l	X-Bar %Recov.	STD.Dev. ug/l	[illegible]	Spike/MDL Ratio
Dichlorodifluoromethane	2-Jan-07	1	0.89	0.85	0.82	0.95	0.82	0.90	1.17	0.91	91.48	0.12	[illegible]	2.61
cis-1,3-Dichloropropene	4-Jan-07	0.2	0.19	0.16	0.13	0.15	0.16	0.11	0.18	0.16	77.75	0.03	[illegible]	2.39
m-Dichlorobenzene	23-Jan-07	0.5	0.48	0.49	0.49	0.47	0.46	0.51	0.45	0.48	96.98	0.02	[illegible]	7.68
o-Dichlorobenzene	25-Jan-07	1	1.20	0.93	0.96	0.94	0.91	0.93	0.93	0.97	97.00	0.10	[illegible]	3.17
p-Dichlorobenzene	4-Jan-07	0.2	0.18	0.16	0.14	0.15	0.13	0.15	0.13	0.15	74.50	0.02	[illegible]	3.73
trans-1,2-Dichloroethylene	26-Feb-07	0.2	0.18	0.19	0.11	0.19	0.22	0.18	0.18	0.18	88.40	0.04	[illegible]	1.81
cis-1,2-Dichloroethylene	23-Jan-07	0.2	0.20	0.22	0.19	0.18	0.20	0.15	0.16	0.19	93.00	0.03	[illegible]	2.47
trans-1,3-Dichloropropene	23-Jan-07	0.2	0.10	0.14	0.12	0.15	0.11	0.11	0.13	0.12	61.70	0.02	[illegible]	3.64
1,1-Dichloropropanone	2-Jan-07	1	1.41	1.32	1.41	1.24	1.29	1.23	1.70	1.37	137.30	0.16	[illegible]	1.97
Trans-1,4-Dichloro-2-Butene	24-Jan-07	1	0.81	0.79	1.05	0.88	0.94	0.99	1.01	0.92	92.33	0.10	[illegible]	3.16
Di-Isopropyl ether	25-Jan-07	1	1.09	0.84	0.87	0.84	0.83	0.84	0.83	0.88	87.70	0.09	[illegible]	3.40
1,4-Dioxane	2-Jan-07	5	4.06	5.33	3.54	5.11	4.71	3.69	2.31	4.11	82.12	1.05	[illegible]	1.52
Ethylbenzene	4-Jan-07	0.5	0.44	0.54	0.41	0.41	0.42	0.44	0.40	0.44	87.46	0.05	[illegible]	3.35
Ethyl tert Butyl Ether	25-Jan-07	1	1.08	0.85	0.86	0.86	0.83	0.82	0.84	0.88	87.80	0.09	[illegible]	3.57
Ethyl Ether	4-Jan-07	0.5	0.46	0.65	0.47	0.41	0.45	0.46	0.46	0.48	95.84	0.08	[illegible]	2.10
Ethyl methacrylate	2-Jan-07	1	0.81	0.79	0.80	0.80	0.75	0.83	1.08	0.84	83.89	0.11	[illegible]	2.88
Freon 113	27-Feb-07	5	5.52	5.36	4.90	4.83	4.90	5.12	5.11	5.11	102.14	0.26	[illegible]	6.18
Hexachlorobutadiene	4-Jan-07	0.5	0.44	0.57	0.51	0.40	0.45	0.45	0.39	0.46	91.26	0.06	[illegible]	2.61
Hexane	25-Jan-07	1	0.98	0.79	0.81	0.75	0.69	0.65	0.66	0.76	75.87	0.11	[illegible]	2.78
Hexachloroethane	4-Jan-07	0.5	0.39	0.46	0.37	0.37	0.42	0.39	0.38	0.39	78.94	0.03	[illegible]	4.99
2-Hexanone	25-Jan-07	3	3.80	2.92	2.94	2.90	2.81	2.90	2.82	3.01	100.40	0.35	[illegible]	2.74
Iodomethane	4-Jan-07	0.5	0.25	0.42	0.30	0.21	0.20	0.27	0.24	0.27	54.14	0.07	[illegible]	2.16
Isopropylbenzene	2-Jan-07	1	1.04	0.98	0.97	0.98	0.93	1.00	1.31	1.03	103.03	0.13	[illegible]	2.52
p-Isopropyltoluene	2-Jan-07	1	1.02	1.02	0.99	1.01	0.96	1.01	1.33	1.05	105.03	0.13	[illegible]	2.53
Methylene chloride	4-Jan-07	0.5	0.47	0.43	0.42	0.47	0.38	0.36	0.35	0.41	81.88	0.05	[illegible]	3.24
Methyl Tert Butyl Ether	14-Feb-07	0.5	0.44	0.44	0.43	0.44	0.46	0.46	0.49	0.45	90.20	0.02	[illegible]	7.70
4-Methyl-2-pentanone	2-Jan-07	3	0.88	0.92	0.90	0.91	0.87	0.77	1.23	0.92	30.82	0.14	[illegible]	6.70
Methacrylonitrile	27-Feb-07	5	4.84	4.64	4.58	4.50	4.46	4.53	4.70	4.61	92.15	0.13	[illegible]	12.01
Methyl methacrylate	25-Jan-07	1	0.93	0.72	0.73	0.71	0.69	0.75	0.73	0.75	75.10	0.08	[illegible]	3.94
Methyl Acrylate	25-Jan-07	1	0.90	0.64	0.65	0.68	0.63	0.64	0.63	0.68	68.13	0.10	[illegible]	3.30
Methyl Acetate	14-Feb-07	0.5	0.50	0.60	0.60	0.58	0.66	0.69	0.84	0.67	133.24	0.12	[illegible]	1.32
Methylcyclohexane	4-Jan-07	0.5	0.36	0.48	0.39	0.38	0.31	0.36	0.33	0.37	74.30	0.05	[illegible]	2.90
Nitrobenzene	5-Jan-07	10	15.51	11.05	14.22	13.85	12.48	12.73	10.95	12.97	129.70	1.68	[illegible]	1.90
2-Nitropropane	14-Feb-07	1	1.36	1.54	1.45	1.49	1.31	1.11	1.41	1.38	138.05	0.14	[illegible]	2.22
Naphthalene	4-Jan-07	0.2	0.21	0.16	0.16	0.16	0.15	0.13	0.16	0.16	80.85	0.02	[illegible]	2.69
n-Propylbenzene	30-Jan-07	0.5	0.54	0.53	0.52	0.51	0.51	0.49	0.47	0.51	101.44	0.02	[illegible]	6.87
Pentachloroethane	4-Jan-07	0.5	0.37	0.52	0.38	0.39	0.42	0.35	0.44	0.41	82.14	0.06	[illegible]	2.69
Propionitrile	26-Feb-07	5	3.19	2.90	2.08	2.94	2.85	2.96	0.07	2.43	48.58	1.10	[illegible]	1.45
Styrene	4-Jan-07	0.5	0.38	0.49	0.36	0.39	0.35	0.42	0.37	0.40	79.20	0.05	[illegible]	3.42
tert-Amyl Methyl Ether	14-Feb-07	0.2	0.13	0.17	0.11	0.12	0.11	0.12	0.12	0.13	63.65	0.02	[illegible]	3.03

Detection limits derived using the method described in 40 CFR Part 136, Appendix B

Method: EPA 524.2 REV 4.1 (V524.2)
Instrument(s): GCMS1A, GCMS1C, GCMS2B, GCMS2E, GCMS3A, GCMS3B, GCMS3C, GCMS3D
Analyst: Pooled

Matrix: AQ
Quant Factor: 1.00
Study Period: February,2007

			Replicate Spikes											
Cmpd./Element/Parm. Name	Analysis Date	Spike ug/l	R1 ug/l	R2 ug/l	R3 ug/l	R4 ug/l	R5 ug/l	R6 ug/l	R7 ug/l	X-Bar ug/l	X-Bar %Recov.	STD.Dev. ug/l	[illegible]	Spike/MDL Ratio
1,1,1,2-Tetrachloroethane	4-Jan-07	0.2	0.10	0.08	0.09	0.09	0.14	0.11	0.14	0.11	54.50	0.03	[illegible]	2.40
Tetrahydrofuran	24-Jan-07	1	0.96	1.01	0.94	1.12	0.87	0.63	0.73	0.89	89.12	0.17	[illegible]	1.91
1,1,1-Trichloroethane	14-Feb-07	0.5	0.34	0.35	0.35	0.36	0.36	0.33	0.39	0.36	71.20	0.02	[illegible]	8.46
1,1,2,2-Tetrachloroethane	30-Jan-07	0.5	0.53	0.60	0.53	0.55	0.54	0.54	0.51	0.54	108.72	0.03	[illegible]	6.05
1,1,2-Trichloroethane	4-Jan-07	0.5	0.45	0.63	0.50	0.47	0.41	0.40	0.44	0.47	94.12	0.08	[illegible]	2.08
1,2,3-Trichlorobenzene	14-Feb-07	0.2	0.30	0.24	0.25	0.24	0.24	0.20	0.22	0.24	119.75	0.03	[illegible]	2.18
1,2,3-Trichloropropane	4-Jan-07	0.5	0.34	0.58	0.45	0.49	0.43	0.46	0.46	0.46	91.36	0.07	[illegible]	2.22
1,2,4-Trichlorobenzene	14-Feb-07	0.2	0.26	0.23	0.23	0.21	0.24	0.22	0.20	0.23	113.00	0.02	[illegible]	3.11
1,2,4-Trimethylbenzene	4-Jan-07	0.5	0.41	0.51	0.42	0.44	0.42	0.40	0.40	0.43	85.62	0.04	[illegible]	3.97
1,3,5-Trimethylbenzene	23-Jan-07	0.5	0.41	0.41	0.42	0.40	0.37	0.44	0.38	0.41	81.08	0.02	[illegible]	7.03
Tetrachloroethylene	4-Jan-07	0.5	0.40	0.48	0.40	0.41	0.35	0.36	0.31	0.39	77.54	0.05	[illegible]	2.98
Toluene	24-Jan-07	0.2	0.28	0.25	0.25	0.24	0.24	0.24	0.24	0.25	124.95	0.01	[illegible]	4.91
Trichloroethylene	4-Jan-07	0.5	0.42	0.64	0.43	0.44	0.33	0.48	0.47	0.46	91.50	0.09	[illegible]	1.74
Trichlorofluoromethane	25-Jan-07	0.5	0.33	0.28	0.32	0.29	0.26	0.26	0.15	0.27	54.08	0.06	[illegible]	2.75
Tertiary Butyl Alcohol	30-Jan-07	2.5	2.22	1.99	1.11	2.05	1.74	0.90	2.26	1.75	70.15	0.54	[illegible]	1.47
Vinyl chloride	4-Jan-07	0.5	0.38	0.45	0.36	0.30	0.29	0.33	0.21	0.33	66.72	0.08	[illegible]	2.07
m,p-Xylene	14-Feb-07	0.4	0.26	0.28	0.26	0.26	0.25	0.26	0.09	0.24	59.58	0.07	[illegible]	1.90
o-Xylene	4-Jan-07	0.2	0.13	0.14	0.12	0.10	0.10	0.08	0.10	0.11	56.10	0.02	[illegible]	3.05

Detection limits derived using the method described in 40 CFR Part 136, Appendix B

GC/MS Volatiles

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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
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B1917-MB	3B41600.D	1	12/31/08	MFH	n/a	n/a	V3B1917

The QC reported here applies to the following samples: Method: EPA 524.2 REV 4.1

JA8970-1, JA8970-2, JA8970-3, JA8970-4, JA8970-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	1.3	ug/l	
78-93-3	2-Butanone	ND	5.0	1.2	ug/l	
71-43-2	Benzene	ND	0.50	0.069	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.089	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.31	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.091	ug/l	
75-25-2	Bromoform	ND	0.50	0.18	ug/l	
74-83-9	Bromomethane	ND	0.50	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.11	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.41	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.14	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.064	ug/l	
75-00-3	Chloroethane	ND	0.50	0.24	ug/l	
67-66-3	Chloroform	ND	0.50	0.068	ug/l	
74-87-3	Chloromethane	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.088	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.089	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.092	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.0	0.42	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.065	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.072	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.22	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.051	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.074	ug/l	
74-95-3	Dibromomethane	ND	0.50	0.18	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.38	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.084	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.065	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.32	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.054	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.11	ug/l	

Method Blank Summary

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B1917-MB	3B41600.D	1	12/31/08	MFH	n/a	n/a	V3B1917

The QC reported here applies to the following samples: Method: EPA 524.2 REV 4.1

JA8970-1, JA8970-2, JA8970-3, JA8970-4, JA8970-5

CAS No.	Compound	Result	RL	MDL	Units	Q
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.081	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.15	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.19	ug/l	
110-54-3	Hexane	ND	0.50	0.36	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.40	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.065	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	0.45	ug/l	
91-20-3	Naphthalene	ND	0.50	0.074	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.073	ug/l	
100-42-5	Styrene	ND	0.50	0.15	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.084	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.059	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.083	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.24	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.092	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.064	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.071	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.17	ug/l	
108-88-3	Toluene	ND	0.50	0.041	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.29	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.18	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.24	ug/l	
	m,p-Xylene	ND	1.0	0.21	ug/l	
95-47-6	o-Xylene	ND	0.50	0.066	ug/l	
1330-20-7	Xylenes (total)	ND	0.50	0.066	ug/l	

CAS No.	Surrogate Recoveries		Limits
2199-69-1	1,2-Dichlorobenzene-d4	95%	74-123%

Method Blank Summary

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B1917-MB	3B41600.D	1	12/31/08	MFH	n/a	n/a	V3B1917

The QC reported here applies to the following samples: Method: EPA 524.2 REV 4.1

JA8970-1, JA8970-2, JA8970-3, JA8970-4, JA8970-5

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	92%	71-123%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B1917-BS	3B41601.D	1	12/31/08	MFH	n/a	n/a	V3B1917

The QC reported here applies to the following samples: Method: EPA 524.2 REV 4.1

JA8970-1, JA8970-2, JA8970-3, JA8970-4, JA8970-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	20	16.1	81	70-130
78-93-3	2-Butanone	20	17.8	89	70-130
71-43-2	Benzene	5	4.9	98	70-130
108-86-1	Bromobenzene	5	5.2	104	70-130
74-97-5	Bromochloromethane	5	4.9	98	70-130
75-27-4	Bromodichloromethane	5	4.8	96	70-130
75-25-2	Bromoform	5	4.4	88	70-130
74-83-9	Bromomethane	2	1.8	90	70-130
104-51-8	n-Butylbenzene	5	4.9	98	70-130
135-98-8	sec-Butylbenzene	5	5.2	104	70-130
98-06-6	tert-Butylbenzene	5	5.3	106	70-130
75-15-0	Carbon disulfide	5	4.7	94	70-130
108-90-7	Chlorobenzene	5	5.3	106	70-130
75-00-3	Chloroethane	2	1.9	95	70-130
67-66-3	Chloroform	5	4.9	98	70-130
74-87-3	Chloromethane	2	1.4	70	70-130
95-49-8	o-Chlorotoluene	5	5.3	106	70-130
106-43-4	p-Chlorotoluene	5	5.2	104	70-130
56-23-5	Carbon tetrachloride	5	4.9	98	70-130
75-34-3	1,1-Dichloroethane	5	4.8	96	70-130
75-35-4	1,1-Dichloroethylene	5	4.8	96	70-130
563-58-6	1,1-Dichloropropene	5	5.0	100	70-130
96-12-8	1,2-Dibromo-3-chloropropane	5	5.0	100	70-130
106-93-4	1,2-Dibromoethane	5	5.2	104	70-130
107-06-2	1,2-Dichloroethane	5	5.2	104	70-130
78-87-5	1,2-Dichloropropane	5	5.3	106	70-130
142-28-9	1,3-Dichloropropane	5	5.2	104	70-130
594-20-7	2,2-Dichloropropane	5	4.2	84	70-130
124-48-1	Dibromochloromethane	5	4.6	92	70-130
74-95-3	Dibromomethane	5	5.0	100	70-130
75-71-8	Dichlorodifluoromethane	2	1.7	85	70-130
10061-01-5	cis-1,3-Dichloropropene	5	4.8	96	70-130
541-73-1	m-Dichlorobenzene	5	5.1	102	70-130
95-50-1	o-Dichlorobenzene	5	5.2	104	70-130
106-46-7	p-Dichlorobenzene	5	5.0	100	70-130
156-60-5	trans-1,2-Dichloroethylene	5	5.0	100	70-130

Blank Spike Summary

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B1917-BS	3B41601.D	1	12/31/08	MFH	n/a	n/a	V3B1917

The QC reported here applies to the following samples: Method: EPA 524.2 REV 4.1

JA8970-1, JA8970-2, JA8970-3, JA8970-4, JA8970-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
156-59-2	cis-1,2-Dichloroethylene	5	4.8	96	70-130
10061-02-6	trans-1,3-Dichloropropene	5	5.1	102	70-130
100-41-4	Ethylbenzene	5	5.2	104	70-130
87-68-3	Hexachlorobutadiene	5	5.3	106	70-130
110-54-3	Hexane	5	4.6	92	70-130
591-78-6	2-Hexanone	20	17.0	85	70-130
98-82-8	Isopropylbenzene	5	6.2	124	70-130
99-87-6	p-Isopropyltoluene	5	5.0	100	70-130
75-09-2	Methylene chloride	5	5.0	100	70-130
1634-04-4	Methyl Tert Butyl Ether	5	4.9	98	70-130
108-10-1	4-Methyl-2-pentanone	20	18.0	90	70-130
91-20-3	Naphthalene	5	4.9	98	70-130
103-65-1	n-Propylbenzene	5	5.3	106	70-130
100-42-5	Styrene	5	5.3	106	70-130
630-20-6	1,1,1,2-Tetrachloroethane	5	5.3	106	70-130
71-55-6	1,1,1-Trichloroethane	5	4.9	98	70-130
79-34-5	1,1,2,2-Tetrachloroethane	5	4.9	98	70-130
79-00-5	1,1,2-Trichloroethane	5	5.1	102	70-130
87-61-6	1,2,3-Trichlorobenzene	5	5.0	100	70-130
96-18-4	1,2,3-Trichloropropane	5	4.5	90	70-130
120-82-1	1,2,4-Trichlorobenzene	5	5.1	102	70-130
95-63-6	1,2,4-Trimethylbenzene	5	5.2	104	70-130
108-67-8	1,3,5-Trimethylbenzene	5	5.2	104	70-130
127-18-4	Tetrachloroethylene	5	5.1	102	70-130
108-88-3	Toluene	5	4.9	98	70-130
79-01-6	Trichloroethylene	5	5.1	102	70-130
75-69-4	Trichlorofluoromethane	2	1.7	85	70-130
75-01-4	Vinyl chloride	2	1.9	95	70-130
	m,p-Xylene	10	10.3	103	70-130
95-47-6	o-Xylene	5	5.3	106	70-130
1330-20-7	Xylenes (total)	15	15.6	104	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
2199-69-1	1,2-Dichlorobenzene-d4	101%	74-123%

Blank Spike Summary

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: *Katonah Q4, Katonah Pump House, Bedford, NY*

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B1917-BS	3B41601.D	1	12/31/08	MFH	n/a	n/a	V3B1917

The QC reported here applies to the following samples: Method: EPA 524.2 REV 4.1

JA8970-1, JA8970-2, JA8970-3, JA8970-4, JA8970-5

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	99%	71-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA8970-3MS	3B41602.D	1	12/31/08	MFH	n/a	n/a	V3B1917
JA8970-3MSD	3B41603.D	1	01/01/09	MFH	n/a	n/a	V3B1917
JA8970-3	3B41607.D	1	01/01/09	MFH	n/a	n/a	V3B1917

The QC reported here applies to the following samples: Method: EPA 524.2 REV 4.1

JA8970-1, JA8970-2, JA8970-3, JA8970-4, JA8970-5

CAS No.	Compound	JA8970-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		20	17.6	88	18.0	90	2	15-168/21
78-93-3	2-Butanone	ND		20	18.9	95	21.0	105	11	18-151/28
71-43-2	Benzene	ND		5	4.9	98	5.5	110	12	56-136/16
108-86-1	Bromobenzene	ND		5	4.9	98	5.4	108	10	55-138/16
74-97-5	Bromochloromethane	ND		5	4.8	96	5.7	114	17* [a]	59-144/15
75-27-4	Bromodichloromethane	ND		5	4.5	90	5.3	106	16	58-145/17
75-25-2	Bromoform	ND		5	4.1	82	4.5	90	9	44-140/18
74-83-9	Bromomethane	ND		2	2.3	115	2.4	120	4	38-177/22
104-51-8	n-Butylbenzene	ND		5	4.8	96	5.8	116	19* [a]	43-140/16
135-98-8	sec-Butylbenzene	ND		5	4.9	98	5.9	118	19* [a]	46-140/16
98-06-6	tert-Butylbenzene	ND		5	4.8	96	6.5	130	30* [a]	44-141/19
75-15-0	Carbon disulfide	ND		5	4.7	94	5.5	110	16	35-140/21
108-90-7	Chlorobenzene	ND		5	4.8	96	5.5	110	14	58-130/15
75-00-3	Chloroethane	ND		2	2.5	125	2.7	135	8	38-175/20
67-66-3	Chloroform	ND		5	4.7	94	5.3	106	12* [a]	58-148/10
74-87-3	Chloromethane	ND		2	2.3	115	2.4	120	4	39-178/30
95-49-8	o-Chlorotoluene	ND		5	4.8	96	5.4	108	12	55-139/13
106-43-4	p-Chlorotoluene	ND		5	4.7	94	5.4	108	14	54-136/14
56-23-5	Carbon tetrachloride	ND		5	4.8	96	5.8	116	19* [a]	50-170/17
75-34-3	1,1-Dichloroethane	ND		5	4.7	94	5.5	110	16* [a]	60-145/15
75-35-4	1,1-Dichloroethylene	ND		5	5.2	104	6.1	122	16	49-141/21
563-58-6	1,1-Dichloropropene	ND		5	5.0	100	5.9	118	17* [a]	53-145/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		5	4.6	92	5.1	102	10	39-153/17
106-93-4	1,2-Dibromoethane	ND		5	4.6	92	5.4	108	16	59-133/16
107-06-2	1,2-Dichloroethane	ND		5	4.6	92	5.2	104	12	58-161/14
78-87-5	1,2-Dichloropropane	ND		5	4.7	94	5.3	106	12* [a]	59-138/11
142-28-9	1,3-Dichloropropane	ND		5	4.5	90	5.2	104	14* [a]	63-135/11
594-20-7	2,2-Dichloropropane	ND		5	4.3	86	4.9	98	13	28-163/14
124-48-1	Dibromochloromethane	ND		5	4.5	90	5.0	100	11	54-137/14
74-95-3	Dibromomethane	ND		5	4.8	96	5.4	108	12	63-143/14
75-71-8	Dichlorodifluoromethane	ND		2	2.9	145	2.7	135	7	11-192/20
10061-01-5	cis-1,3-Dichloropropene	ND		5	4.4	88	5.0	100	13	53-128/14
541-73-1	m-Dichlorobenzene	ND		5	4.7	94	5.4	108	14* [a]	53-138/12
95-50-1	o-Dichlorobenzene	ND		5	4.6	92	5.3	106	14* [a]	54-138/13
106-46-7	p-Dichlorobenzene	ND		5	4.6	92	5.2	104	12	53-136/13
156-60-5	trans-1,2-Dichloroethylene	ND		5	5.1	102	5.7	114	11	52-139/19

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump Honse, Bedford, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA8970-3MS	3B41602.D	1	12/31/08	MFH	n/a	n/a	V3B1917
JA8970-3MSD	3B41603.D	1	01/01/09	MFH	n/a	n/a	V3B1917
JA8970-3	3B41607.D	1	01/01/09	MFH	n/a	n/a	V3B1917

The QC reported here applies to the following samples: Method: EPA 524.2 REV 4.1

JA8970-1, JA8970-2, JA8970-3, JA8970-4, JA8970-5

CAS No.	Compound	JA8970-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
156-59-2	cis-1,2-Dichloroethylene	0.46	J	5	5.2	95	6.1	113	16* a	57-134/14
10061-02-6	trans-1,3-Dichloropropene	ND		5	4.7	94	5.1	102	8	54-137/14
100-41-4	Ethylbenzene	ND		5	4.8	96	5.8	116	19* a	52-136/15
87-68-3	Hexachlorobutadiene	ND		5	5.0	100	5.7	114	13	39-151/14
110-54-3	Hexane	ND		5	3.9	78	5.0	100	25* a	21-142/20
591-78-6	2-Hexanone	ND		20	17.2	86	18.2	91	6	31-132/17
98-82-8	Isopropylbenzene	ND		5	4.9	98	5.8	116	17	46-140/18
99-87-6	p-Isopropyltoluene	ND		5	4.9	98	5.9	118	19* a	43-141/16
75-09-2	Methylene chloride	ND		5	4.3	86	5.1	102	17* a	55-139/13
1634-04-4	Methyl Tert Butyl Ether	0.13	J	5	4.8	93	5.6	109	15* a	53-143/12
108-10-1	4-Methyl-2-pentanone	ND		20	17.0	85	18.3	92	7	48-133/15
91-20-3	Naphthalene	ND		5	4.6	92	5.3	106	14* a	42-135/13
103-65-1	n-Propylbenzene	ND		5	4.9	98	5.7	114	15	51-138/15
100-42-5	Styrene	ND		5	4.4	88	5.1	102	15* a	31-135/13
630-20-6	1,1,1,2-Tetrachloroethane	ND		5	4.6	92	5.4	108	16* a	57-143/15
71-55-6	1,1,1-Trichloroethane	ND		5	5.0	100	5.7	114	13	54-163/17
79-34-5	1,1,2,2-Tetrachloroethane	ND		5	4.3	86	5.0	100	15* a	60-137/12
79-00-5	1,1,2-Trichloroethane	ND		5	4.6	92	5.3	106	14* a	62-136/10
87-61-6	1,2,3-Trichlorobenzene	ND		5	4.6	92	5.3	106	14	44-137/16
96-18-4	1,2,3-Trichloropropane	ND		5	4.3	86	4.9	98	13* a	56-143/12
120-82-1	1,2,4-Trichlorobenzene	ND		5	4.7	94	5.4	108	14	43-136/18
95-63-6	1,2,4-Trimethylbenzene	ND		5	4.7	94	5.5	110	16* a	41-141/15
108-67-8	1,3,5-Trimethylbenzene	ND		5	4.8	96	5.6	112	15* a	44-139/14
127-18-4	Tetrachloroethylene	34.1		5	37.2	62	39.2	102	5	47-141/18
108-88-3	Toluene	ND		5	4.8	96	5.4	108	12	54-133/15
79-01-6	Trichloroethylene	0.87		5	5.7	97	6.6	115	15	58-140/17
75-69-4	Trichlorofluoromethane	ND		2	2.6	130	2.7	135	4	22-201/18
75-01-4	Vinyl chloride	ND		2	2.7	135	2.8	140	4	37-175/19
	m,p-Xylene	ND		10	9.7	97	11.4	114	16* a	50-137/14
95-47-6	o-Xylene	ND		5	4.8	96	5.6	112	15	50-134/17
1330-20-7	Xylenes (total)	ND		15	14.5	97	17.0	113	16* a	51-135/15

CAS No.	Surrogate Recoveries	MS	MSD	JA8970-3	Limits
2199-69-1	1,2-Dichlorobenzene-d4	105%	102%	97%	74-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA8970-3MS	3B41602.D	1	12/31/08	MFH	n/a	n/a	V3B1917
JA8970-3MSD	3B41603.D	1	01/01/09	MFH	n/a	n/a	V3B1917
JA8970-3	3B41607.D	1	01/01/09	MFH	n/a	n/a	V3B1917

The QC reported here applies to the following samples: Method: EPA 524.2 REV 4.1

JA8970-1, JA8970-2, JA8970-3, JA8970-4, JA8970-5

CAS No.	Surrogate Recoveries	MS	MSD	JA8970-3	Limits
460-00-4	4-Bromofluorobenzene	102%	101%	95%	71-123%

(a) Outside control limits due to matrix interference.

Instrument Performance Check (BFB)

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample:	V3B1914-BFB	Injection Date:	12/30/08
Lab File ID:	3B41541.D	Injection Time:	08:42
Instrument ID:	GCMS3B		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	1579	21.4		Pass
75	30.0 - 80.0% of mass 95	4086	55.4		Pass
95	Base peak, 100% relative abundance	7374	100.0		Pass
96	5.0 - 9.0% of mass 95	538	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	6482	87.9		Pass
175	5.0 - 9.0% of mass 174	527	7.1	(8.1) [a]	Pass
176	95.01 - 101.0% of mass 174	6333	85.9	(97.7) [a]	Pass
177	5.0 9.0% of mass 176	409	5.5	(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
V3B1914-IC1914	3B41543.D	12/30/08	10:04	01:22	Initial cal 0.5
V3B1914-IC1914	3B41544.D	12/30/08	10:43	02:01	Initial cal 1
V3B1914-IC1914	3B41545.D	12/30/08	11:15	02:33	Initial cal 2
V3B1914-IC1914	3B41546.D	12/30/08	11:47	03:05	Initial cal 5
V3B1914-ICC1914	3B41547.D	12/30/08	12:19	03:37	Initial cal 10
V3B1914-IC1914	3B41548.D	12/30/08	12:52	04:10	Initial cal 20
V3B1914-IC1914	3B41550.D	12/30/08	13:57	05:15	Initial cal 40
V3B1914-ICV1914	3B41552.D	12/30/08	15:02	06:20	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample:	V3B1917-BFB	Injection Date:	12/31/08
Lab File ID:	3B41597.D	Injection Time:	20:53
Instrument ID:	GCMS3B		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	2196	22.4		Pass
75	30.0 - 80.0% of mass 95	5371	54.7		Pass
95	Base peak, 100% relative abundance	9814	100.0		Pass
96	5.0 - 9.0% of mass 95	719	7.3		Pass
173	Less than 2.0% of mass 174	36	0.37	(0.38) [a]	Pass
174	50.0 - 120.0% of mass 95	9370	95.5		Pass
175	5.0 - 9.0% of mass 174	745	7.6	(8.0) [a]	Pass
176	95.01 - 101.0% of mass 174	9031	92.0	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	578	5.9	(6.4) [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
V3B1917-CC1914	3B41598.D	12/31/08	21:25	00:32	Continuing cal 10
V3B1917-MB	3B41600.D	12/31/08	22:30	01:37	Method Blank
V3B1917-BS	3B41601.D	12/31/08	23:03	02:10	Blank Spike
JA8970-3MS	3B41602.D	12/31/08	23:35	02:42	Matrix Spike
JA8970-3MSD	3B41603.D	01/01/09	00:08	03:15	Matrix Spike Duplicate
JA8970-1	3B41605.D	01/01/09	01:06	04:13	DIST
JA8970-2	3B41606.D	01/01/09	01:39	04:46	STEFF
JA8970-3	3B41607.D	01/01/09	02:12	05:19	RW
JA8970-4	3B41608.D	01/01/09	02:44	05:51	DUP
JA8970-5	3B41609.D	01/01/09	03:17	06:24	TRIP BLANK
ZZZZZZ	3B41610.D	01/01/09	03:49	06:56	(unrelated sample)

Volatile Internal Standard/Surrogate Area Summary

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Check Std:	V3B1917-CC1914	Injection Date:	12/31/08
Lab File ID:	3B41598.D	Injection Time:	21:25
Instrument ID:	GCMS3B	Method:	EPA 524.2 REV 4.1

	IS 1 AREA	RT	IS 2 AREA	RT	Surr 3 AREA	RT	Surr 4 AREA	RT
Initial Cal [a]	18815	8.34	56643	11.66	35096	18.03	26464	16.33
Previous Check [b]	20173	8.35	70981	11.67	41707	18.03	30710	16.34
Check Std [c]	17397	8.34	55788	11.67	34795	18.03	26394	16.33
Upper Limit [d]	34794	8.84	111576	12.17	69590	18.53	52788	16.83
Lower Limit [e]	8699	7.84	27894	11.17	17398	17.53	13197	15.83

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	Surr 3 AREA	RT	Surr 4 AREA	RT
V3B1917 MB	16160	8.35	58975	11.67	33300	18.03	24594	16.34
V3B1917-BS	18326	8.35	62510	11.67	37671	18.03	28073	16.33
JA8970-3MS	19360	8.35	62937	11.67	39164	18.03	28938	16.33
JA8970-3MSD	20630	8.33	62879	11.67	38111	18.03	28648	16.33
JA8970-1	21242	8.35	67391	11.67	36983	18.03	27877	16.34
JA8970-2	21757	8.35	64968	11.67	37068	18.03	26191	16.34
JA8970-3	21049	8.34	62741	11.67	36185	18.03	27072	16.34
JA8970-4	19323	8.34	60730	11.67	34098	18.03	25643	16.34
JA8970-5	20016	8.34	63589	11.67	35561	18.03	26150	16.34
ZZZZZZ	20587	8.34	59370	11.67	35545	18.03	25610	16.34

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Fluorobenzene
Surr 3 = 1,2-Dichlorobenzene-d4
Surr 4 = 4-Bromofluorobenzene

(a) Initial Cal is: V3B1914-ICC1914 3B41547.D 12/30/08 12:19
(b) Previous Check is: V3B1915-CC1914 3B41576.D 12/31/08 09:37
(c) Check Std Limit = -30% of previous check area; -50% of initial cal area.
(d) Upper Limit = +100% of check standard area; Retention time +0.5 *minutes*.
(e) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Method: EPA 524.2 REV 4.1	Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
JA8970-1	3B41605.D	92.0	91.0
JA8970-2	3B41606.D	96.0	89.0
JA8970-3	3B41607.D	97.0	95.0
JA8970-4	3B41608.D	95.0	93.0
JA8970-5	3B41609.D	94.0	91.0
JA8970-3MS	3B41602.D	105.0	102.0
JA8970-3MSD	3B41603.D	102.0	101.0
V3B1917-BS	3B41601.D	101.0	99.0
V3B1917-MB	3B41600.D	95.0	92.0

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichlorobenzene-d4	74-123%
S2 = 4-Bromofluorobenzene	71-123%

Initial Calibration Summary

Job Number: JA8970 Sample: V3B1914-ICC1914
Account: EPMNYLS Environmental Planning and Management Lab FileID: 3B41547.D
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Response Factor Report MS3B

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration

Calibration Files
0.5 =3B41543.D 5 =3B41546.D 10 =3B41547.D 1 =3B41544.D
20 =3B41548.D 40 =3B41550.D 2 =3B41545.D

Compound	0.5	5	10	1	20	40	2	Avg	%RSD
1) I Tert Butyl Alcohol-d9	----------	----------	----------	ISTD	----------	----------	----------		
2)M TERTIARY BUTYL AL		1.004	1.045	0.802	0.806	0.817	0.819	0.849	18.26
3) I FLUOROBENZENE	----------	----------	----------	ISTD	----------	----------	----------		
4)S 4-BROMOFLUOROBENZ	0.405	0.462	0.467	0.447	0.467	0.491	0.429	0.453	6.28
5)S 1,2-DICHLOROBENZE	0.550	0.601	0.620	0.571	0.622	0.620	0.576	0.594	4.83
6)M DICHLORODIFLUOROM	0.384	0.494	0.465	0.479	0.438	0.325	0.463	0.436	13.84
7)M CHLOROMETHANE	0.537	0.368	0.332	0.410	0.300		0.366	0.386	21.49
----- Linear regression ----- Coefficient = 0.9967									
Response Ratio = 0.03954 + 0.29573 *A									
8)M VINYL CHLORIDE	0.338	0.336	0.321	0.363	0.296	0.228	0.315	0.314	13.81
9)M BROMOMETHANE	0.322	0.258	0.248	0.292	0.217		0.253	0.265	13.57
10)M CHLOROETHANE	0.202	0.190	0.173	0.208	0.153	0.114	0.178	0.174	18.49
11)M TRICHLOROFLUOROME	0.620	0.646	0.586	0.694	0.531	0.395	0.645	0.588	16.89
12)M ETHYL ETHER	0.104	0.136	0.138	0.118	0.119	0.108	0.124	0.121	10.86
13)M ACROLEIN								0.000#	-1.00
14)M 1,1-DICHLOROETHYL	0.162	0.235	0.237	0.240	0.196	0.182	0.218	0.210	14.54
15)M FREON 113	0.166	0.272	0.249	0.253	0.208	0.207	0.250	0.229	16.08
16)M ACETONE		0.014	0.018	0.016	0.016	0.016	0.014	0.016	9.54
17)M IODOMETHANE	0.373	0.501	0.499	0.491	0.409	0.387	0.448	0.444	12.30
18)M CARBON DISULFIDE	0.627	0.812	0.806	0.821	0.659	0.606	0.783	0.731	13.04
19)M METHYL ACETATE		0.170	0.172		0.129	0.137	0.168	0.155	13.21
20)M ALLYL CHLORIDE	0.084	0.149	0.126	0.130	0.117	0.108	0.122	0.119	16.85
21)M METHYLENE CHLORID	0.421	0.295	0.287	0.374	0.223	0.206	0.294	0.300	25.48
----- Linear regression ----- Coefficient = 0.9918									
Response Ratio = 0.06815 + 0.20148 *A									
22)M ACRYLONITRILE	0.059	0.088	0.094	0.066	0.073	0.069	0.075	0.075	16.55
23)M METHYL TERT BUTYL	0.741	0.893	0.930	0.904	0.762	0.705	0.840	0.825	10.81
24)M trans-1,2-DICHLOR	0.278	0.398	0.383	0.394	0.306	0.274	0.374	0.344	16.14
25)M HEXANE	0.219	0.266	0.272	0.292	0.242	0.243	0.267	0.257	9.42
26)M 1,1-DICHLOROETHAN	0.404	0.485	0.478	0.521	0.382	0.339	0.474	0.442	15.23
27)M DI-ISOPROPYL ETHE	0.561	0.727	0.705	0.615	0.579	0.554	0.632	0.625	10.97
28)M ETHYL TERT-BUTYL	0.691	0.907	0.877	0.770	0.711	0.689	0.799	0.778	11.35
29)M 2-BUTANONE		0.022	0.026	0.019	0.023	0.023	0.018	0.022	11.77
30)M 2,2-DICHLOROPROPA	0.467	0.563	0.553	0.637	0.431	0.396	0.548	0.513	16.53
31)M cis-1,2-DICHLOROE	0.380	0.514	0.503	0.494	0.400	0.358	0.463	0.445	14.42
32)M PROPIONITRILE	0.021	0.038	0.040	0.033	0.031	0.029	0.031	0.032	19.73
33)M METHYLACRYLATE		0.216	0.252	0.160	0.213	0.202	0.160	0.201	17.76
34)M METHACRYLONITRILE	0.100	0.113	0.136	0.134	0.110	0.107	0.137	0.120	12.91
35)M BROMOCHLOROMETHAN	0.128	0.152	0.158	0.148	0.130	0.121	0.144	0.140	9.90
36)M CHLOROFORM	0.531	0.586	0.569	0.638	0.452	0.400	0.562	0.534	15.32
37)M TETRAHYDROFURAN		0.069	0.077	0.054	0.051	0.050	0.069	0.062	18.46
38)M 1,1,1-TRICHLOROET	0.436	0.613	0.594	0.615	0.475	0.433	0.580	0.535	15.60
39)M CYCLOHEXANE	0.207	0.352	0.380	0.363	0.321	0.301	0.382	0.322	17.73

Initial Calibration Summary

Job Number: JA8970 Sample: V3B1914-ICC1914
Account: EPMNYLS Environmental Planning and Management Lab FileID: 3B41547.D
Project: Katonah Q4, Katonah Pump House, Bedford, NY

40)M	1-CHLOROBUTANE	0.549	0.869	0.902	0.855	0.732	0.666	0.820	0.770	16.60
41)M	1,1-DICHLOROPROPE	0.236	0.352	0.361	0.360	0.297	0.271	0.316	0.313	15.50
42)M	CARBON TETRACHLOR	0.437	0.557	0.552	0.603	0.440	0.389	0.545	0.503	15.88
43)M	1,2-DICHLOROETHAN	0.425	0.476	0.479	0.508	0.369	0.308	0.476	0.434	16.60
44)M	BENZENE	0.821	0.971	0.964	1.009	0.784	0.722	0.916	0.884	12.30
45)M	TERT AMYL METHYL	0.720	0.907	0.851	0.808	0.693	0.648	0.817	0.778	11.92
46)M	TRICHLOROETHYLENE	0.224	0.291	0.290	0.274	0.233	0.218	0.273	0.258	12.25
47)M	METHYLCYCLOHEXANE	0.287	0.418	0.417	0.391	0.377	0.389	0.390	0.381	11.60
48)M	METHYL METHACRYLA		0.146	0.152		0.137	0.136	0.108	0.136	12.26
49)M	1,2-DICHLOROPROPA	0.174	0.235	0.245	0.231	0.192	0.174	0.225	0.211	14.26
50)M	DIBROMOMETHANE	0.165	0.198	0.205	0.195	0.159	0.148	0.181	0.179	12.09
51)M	BROMODICHLOROMETH	0.353	0.452	0.464	0.460	0.366	0.342	0.429	0.409	13.21
52)M	CHLOROACETONITRIL		0.014	0.015		0.013	0.013	0.017	0.015	11.08
53)M	2-NITROPROPANE	0.100	0.153	0.148	0.132	0.115	0.104	0.125	0.125	16.34
54)M	2-CHLOROETHYL VIN	0.097	0.163	0.169	0.123	0.134	0.133	0.131	0.136	17.85
55)M	cis-1,3-DICHLOROP		0.444	0.467	0.431	0.379	0.349	0.395	0.411	10.75
56)M	4-METHYL-2-PENTAN	0.088	0.093	0.100	0.141	0.088	0.084	0.105	0.100	19.37
57)M	1,1-DICHLOROPROPA		0.138	0.144	0.226	0.108	0.102	0.199	0.153	32.61
	----- Linear regression ----- Coefficient = 0.9933									
	Response Ratio = 0.04787 + 0.09875 *A									
58)M	TOLUENE	0.481	0.634	0.649	0.619	0.541	0.518	0.565	0.572	11.10
59)M	trans-1,3-DICHLOR	0.366	0.450	0.462	0.409	0.393	0.359	0.423	0.412	10.74
60)M	ETHYL METHACRYLAT		0.273	0.313	0.207	0.277	0.273	0.232	0.262	14.17
61)M	1,1,2-TRICHLOROET	0.154	0.202	0.218	0.209	0.179	0.168	0.209	0.193	13.12
62)M	1,3-DICHLOROPROPA	0.328	0.425	0.438	0.402	0.339	0.311	0.408	0.379	13.52
63)M	2-HEXANONE	0.071	0.082	0.094	0.108	0.084	0.081	0.094	0.088	13.35
64)M	TETRACHLOROETHYLE	0.258	0.345	0.353	0.337	0.298	0.283	0.325	0.314	11.23
65)M	DIBROMOCHLOROMETH	0.301	0.359	0.381	0.352	0.315	0.299	0.341	0.336	9.32
66)M	1,2-DIBROMOETHANE	0.219	0.274	0.294	0.247	0.244	0.234	0.245	0.251	9.95
67)M	CHLOROBENZENE	0.617	0.742	0.799	0.734	0.660	0.637	0.706	0.699	9.26
68)M	1,1,1,2-TETRACHLO	0.304	0.346	0.361	0.358	0.291	0.268	0.335	0.323	11.13
69)M	ETHYLBENZENE	0.871	1.319	1.361	1.142	1.136	1.049	1.145	1.146	14.31
70)M	m,p-XYLENE	0.347	0.490	0.516	0.474	0.427	0.404	0.458	0.445	12.87
71)M	o-XYLENE	0.346	0.511	0.530	0.436	0.446	0.431	0.442	0.449	13.36
72)M	STYRENE	0.429	0.789	0.843	0.625	0.715	0.678	0.684	0.680	19.52
73)M	BROMOFORM	0.263	0.268	0.298	0.257	0.252	0.247	0.269	0.265	6.34
74)M	ISOPROPYLBENZENE	0.814	1.181	1.282	1.082	1.072	1.010	1.048	1.070	13.60
75)M	BROMOBENZENE	0.314	0.420	0.432	0.407	0.396	0.332	0.406	0.381	12.18
76)M	1,1,2,2-TETRACHLO	0.413	0.370	0.402	0.387	0.325	0.311	0.412	0.374	11.08
77)M	TRANS-1,4-DICHLOR		0.140	0.152	0.125	0.122	0.114	0.144	0.133	10.87
78)M	1,2,3-TRICHLOROPR	0.157	0.133	0.139	0.140	0.116	0.103	0.147	0.134	13.95
79)M	n-PROPYLBENZENE	1.214	1.656	1.707	1.500	1.402	1.268	1.459	1.458	12.57
80)M	O-CHLOROTOLUENE	0.945	1.202	1.218	1.198	0.982	0.902	1.121	1.081	12.48
81)M	1,3,5-TRIMETHYLBE	0.870	1.273	1.359	1.084	1.087	1.040	1.108	1.117	14.25
82)M	P-CHLOROTOLUENE	0.890	1.046	1.092	1.049	0.899	0.837	0.958	0.967	9.99
83)M	tert-BUTYLBENZENE	0.701	1.073	1.157	0.903	0.969	0.945	0.932	0.954	15.00
84)M	1,2,4-TRIMETHYLBE	0.865	1.318	1.416	1.170	1.152	1.070	1.197	1.170	15.06
85)M	PENTACHLOROETHANE	0.284	0.290	0.308	0.256	0.254	0.241	0.276	0.273	8.63
86)M	sec-BUTYLBENZENE	1.070	1.565	1.690	1.421	1.415	1.354	1.444	1.423	13.50
87)M	p-ISOPROPYLTOLUEN	0.985	1.495	1.599	1.231	1.324	1.261	1.283	1.311	15.02
88)M	M-DICHLOROBENZENE	0.699	0.803	0.833	0.763	0.681	0.658	0.772	0.741	9.25
89)M	P-DICHLOROBENZENE	0.677	0.860	0.883	0.852	0.723	0.687	0.846	0.790	11.39
90)M	n-BUTYLBENZENE	0.991	1.421	1.534	1.242	1.272	1.197	1.250	1.272	13.48
91)M	O-DICHLOROBENZENE	0.738	0.829	0.868	0.859	0.715	0.677	0.795	0.783	9.48
92)M	HEXACHLOROETHANE	0.223	0.298	0.318	0.262	0.273	0.271	0.259	0.272	11.07
93)M	1,2-DIBROMO-3-CHL	0.075	0.083	0.094	0.073	0.080	0.081	0.083	0.081	8.26
94)M	NITROBENZENE	0.046	0.044	0.056	0.077	0.053	0.057	0.052	0.055	19.84
95)M	1,2,4-TRICHLOROBE	0.597	0.762	0.833	0.672	0.699	0.657	0.660	0.697	11.18
96)M	HEXACHLOROBUTADIE	0.351	0.426	0.453	0.428	0.375	0.349	0.382	0.395	10.32

Initial Calibration Summary

Job Number:	JA8970	Sample:	V3B1914-ICC1914
Account:	EPMNYLS Environmental Planning and Management	Lab FileID:	3B41547.D
Project:	Katonah Q4, Katonah Pump House, Bedford, NY		

97)M NAPHTHALENE	1.341	1.620	1.847	1.414	1.540	1.442	1.505	1.530	10.88
96)M 1,2,3-TRICHLOROBE	0.610	0.726	0.794	0.655	0.657	0.608	0.690	0.677	9.82

(#) = Out of Range

M3B1914.M Wed Dec 31 09:05:18 2008 MS3B

5.7

5

Initial Calibration Verification

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample: V3B1914-ICV1914
Lab FileID: 3B41552.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\3B41552.D
Acq On : 30 Dec 2008 3:02 pm
Sample : icv1914-10
Misc : MS74479,V3B1914,W,,,,1
MS Integration Params: rteint.p

Vial: 10
Operator: mohui
Inst : MS3B
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	143	0.00	8.35
2	M	TERTIARY BUTYL ALCOHOL	0.849	0.868	-2.2	119	0.00	8.48
3	I	FLUOROBENZENE	1.000	1.000	0.0	148	0.00	11.67
4	S	4-BROMOFLUOROBENZENE (S)	0.453	0.427	5.7	135	0.00	16.33
5	S	1,2-DICHLOROBENZENE-d4 (S	0.594	0.584	1.7	139	0.00	18.02
6	M	DICHLORODIFLUOROMETHANE	0.436	0.375	14.0	119	-0.02	4.25
			True	Calc.	% Drift			
7	M	CHLOROMETHANE	10.000	8.973	10.3	127	0.00	4.68
			AvgRF	CCRF	% Dev			
8	M	VINYL CHLORIDE	0.314	0.304	3.2	140	-0.01	4.98
9	M	BROMOMETHANE	0.265	0.223	15.8	133	0.00	5.78
10	M	CHLOROETHANE	0.174	0.158	9.2	135	0.00	6.02
11	M	TRICHLOROFLUOROMETHANE	0.588	0.478	18.7	120	-0.01	6.53
12	M	ETHYL ETHER	0.121	0.126	-4.1	134	-0.01	7.01
13	M	ACROLEIN	0.000	0.057	0.0	0#	-0.04	7.32
14	M	1,1-DICHLOROETHYLENE	0.219	0.213	-1.4	133	-0.01	7.50
15	M	FREON 113	0.229	0.231	-0.9	137	0.00	7.49
16	M	ACETONE	0.016	0.015	6.3	123	0.02	7.62
17	M	IODOMETHANE	0.444	0.451	-1.6	133	-0.02	7.82
18	M	CARBON DISULFIDE	0.731	0.698	4.5	128	-0.01	7.97
19	M	METHYL ACETATE	0.155	0.144	7.1	124	0.00	8.15
20	M	ALLYL CHLORIDE	0.119	0.121	-1.7	142	-0.01	8.13
			True	Calc.	% Drift			
21	M	METHYLENE CHLORIDE	10.000	10.710	-7.1	129	0.00	8.35
			AvgRF	CCRF	% Dev			
22	M	ACRYLONITRILE	0.075	0.081	-8.0	126	-0.01	8.76
23	M	METHYL TERT BUTYL ETHER	0.825	0.823	0.2	130	-0.01	8.71
24	M	trans-1,2-DICHLOROETHYLEN	0.344	0.318	7.6	123	-0.01	8.78
25	M	HEXANE	0.257	0.258	-0.4	140	-0.01	9.10
26	M	1,1-DICHLOROETHANE	0.442	0.409	7.5	126	0.00	9.42
27	M	DI-ISOPROPYL ETHER	0.625	0.621	0.6	130	-0.01	9.38
28	M	ETHYL TERT-BUTYL ETHER	0.778	0.768	1.3	129	0.00	9.80
29	M	2-BUTANONE	0.022	0.025	-13.6	142	0.00	10.22
30	M	2,2-DICHLOROPROPANE	0.513	0.442	13.8	118	0.00	10.22
31	M	cis-1,2-DICHLOROETHYLENE	0.445	0.410	7.9	120	-0.01	10.23
32	M	PROPIONITRILE	0.032	0.033	-3.1	121	0.00	10.33
33	M	METHYLACRYLATE	0.201	0.232	-15.4	136	-0.01	10.32

Initial Calibration Verification

Job Number: JA8970
Account: EPMNYLS Enviroomental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample: V3B1914-ICV1914
Lab FileID: 3B41552.D

34	M	METHACRYLONITRILE	0.120	0.115	4.2	125	0.00	10.53
35	M	BROMOCHLOROMETHANE	0.140	0.144	-2.9	135	0.00	10.57
36	M	CHLOROFORM	0.534	0.477	10.7	124	0.00	10.63
37	M	TETRAHYDROFURAN	0.062	0.058	6.5	112	0.00	10.61
38	M	1,1,1-TRICHLOROETHANE	0.535	0.477	10.8	119	0.00	10.88
39	M	CYCLOHEXANE	0.322	0.310	3.7	120	0.00	10.95
40	M	1-CHLOROBUTANE	0.770	0.730	5.2	119	0.00	10.97
41	M	1,1-DICHLOROPROPENE	0.313	0.314	-0.3	128	0.00	11.06
42	M	CARBON TETRACHLORIDE	0.503	0.439	12.7	117	0.00	11.09
43	M	1,2-DICHLOROETHANE	0.434	0.381	12.2	118	0.00	11.38
44	M	BENZENE	0.884	0.870	1.6	133	0.00	11.36
45	M	TERT AMYL METHYL ETHER	0.778	0.743	4.5	129	0.00	11.38
46	M	TRICHLOROETHYLENE	0.258	0.255	1.2	130	0.00	12.10
47	M	METHYLCYCLOHEXANE	0.381	0.403	-5.8	143	0.00	12.31
48	M	METHYL METHACRYLATE	0.136	0.145	-6.6	141	0.00	12.39
49	M	1,2-DICHLOROPROPANE	0.211	0.215	-1.9	130	0.00	12.38
50	M	DIBROMOMETHANE	0.179	0.170	5.0	123	0.00	12.56
51	M	BROMODICHLOROMETHANE	0.409	0.366	10.5	116	0.00	12.69
52	M	CHLOROACETONITRILE	0.015	0.014	6.7	140	-0.02	12.93
53	M	2-NITROPROPANE	0.125	0.118	5.6	117	0.00	12.93
54	M	2-CHLOROETHYL VINYL ETHER	0.136	0.146	-7.4	128	0.00	12.93
55	M	cis-1,3-DICHLOROPROPENE	0.411	0.406	1.2	128	0.00	13.17
56	M	4-METHYL-2-PENTANONE	0.100	0.090	10.0	133	0.00	13.26
			True	Calc.	% Drift			
57	M	1,1-DICHLOROPROPANONE	10.000	10.431	-4.3	128	0.00	13.40
			AvgRF	CCRF	% Dev			
58	M	TOLUENE	0.572	0.564	-2.1	133	0.00	13.55
59	M	trans-1,3-DICHLOROPROPENE	0.412	0.408	1.0	125	0.00	13.77
60	M	ETHYL METHACRYLATE	0.262	0.273	-4.2	139	0.00	13.75
61	M	1,1,2-TRICHLOROETHANE	0.193	0.191	1.0	129	0.00	14.00
62	M	1,3-DICHLOROPROPANE	0.379	0.376	0.8	127	0.00	14.20
63	M	2-HEXANONE	0.088	0.084	4.5	132	0.00	14.17
64	M	TETRACHLOROETHYLENE	0.314	0.326	-3.8	136	0.00	14.17
65	M	DIBROMOCHLOROMETHANE	0.336	0.317	5.7	123	0.00	14.48
66	M	1,2-DIBROMOETHANE	0.251	0.266	-6.0	134	0.00	14.65
67	M	CHLOROBENZENE	0.699	0.752	-7.6	139	0.00	15.13
68	M	1,1,1,2-TETRACHLOROETHANE	0.323	0.318	1.5	130	0.00	15.19
69	M	ETHYLBENZENE	1.146	1.199	-4.6	130	0.00	15.17
70	M	m,p-XYLENE	0.445	0.466	-4.7	133	0.00	15.29
71	M	o-XYLENE	0.449	0.490	-9.1	136	0.00	15.74
72	M	STYRENE	0.680	0.739	-8.7	129	0.00	15.75
73	M	BROMOFORM	0.265	0.261	1.5	129	0.00	16.06
74	M	ISOPROPYLBENZENE	1.070	1.335	-24.8	154	0.00	16.10
75	M	BROMOBENZENE	0.381	0.387	-1.6	132	0.00	16.55
76	M	1,1,2,2-TETRACHLOROETHANE	0.374	0.369	1.3	136	0.00	16.44
77	M	TRANS-1,4-DICHLORO-2-BUTE	0.133	0.116	12.8	112	0.00	16.49
78	M	1,2,3-TRICHLOROPROPANE	0.134	0.108	19.4	115	0.00	16.52
79	M	n-PROPYLBENZENE	1.456	1.538	-5.5	133	0.00	16.53
80	M	O-CHLOROTOLUENE	1.081	1.069	1.1	130	0.00	16.71
81	M	1,3,5-TRIMETHYLBENZENE	1.117	1.134	-1.5	123	0.00	16.69
82	M	P-CHLOROTOLUENE	0.967	0.971	-0.4	131	0.00	16.81
83	M	tert-BUTYLBENZENE	0.954	1.034	-8.4	132	0.00	17.07
84	M	1,2,4-TRIMETHYLBENZENE	1.170	1.206	-3.1	126	0.00	17.12
85	M	PENTACHLOROETHANE	0.273	0.266	2.6	127	0.00	17.18
86	M	sec-BUTYLBENZENE	1.423	1.505	-5.8	131	0.00	17.30
87	M	p-ISOPROPYLTOLUENE	1.311	1.324	-1.0	122	0.00	17.42
88	M	M-DICHLOROBENZENE	0.741	0.755	-1.9	134	0.00	17.53
89	M	P-DICHLOROBENZENE	0.790	0.795	-0.6	133	0.00	17.62

Initial Calibration Verification

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample: V3B1914-ICV1914
Lab FileID: 3B41552.D

90	M	n-BUTYLBENZENE	1.272	1.273	-0.1	122	0.00	17.87
91	M	O-DICHLOROBENZENE	0.783	0.786	-0.4	134	0.00	18.05
92	M	HEXACHLOROETHANE	0.272	0.272	0.0	126	0.00	18.32
93	M	1,2-DIBROMO-3-CHLOROPROPA	0.081	0.088	-8.6	139	0.00	18.91
94	M	NITROBENZENE	0.055	0.049	10.9	129	0.00	19.15
95	M	1,2,4-TRICHLOROBENZENE	0.697	0.735	-5.5	130	0.00	19.83
96	M	HEXACHLOROBUTADIENE	0.395	0.405	-2.5	132	0.00	19.94
97	M	NAPHTHALENE	1.530	1.625	-6.2	130	0.00	20.17
98	M	1,2,3-TRICHLOROBENZENE	0.677	0.687	-1.5	128	0.00	20.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3B41547.D M3B1914.M Wed Dec 31 11:18:51 2008 MS3B

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Continuing Calibration Summary

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample: V3B1917-CC1914
Lab FileID: 3B41598.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\3B41598.D
Acq On : 31 Dec 2008 9:25 pm
Sample : cc1914-10
Misc : MS74611,V3B1917,W,,,,1
MS Integration Params: rteint.p

Vial: 24
Operator: mohui
Inst : MS3B
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	92	0.00	8.34
2	M	TERTIARY BUTYL ALCOHOL	0.849	0.939	-10.6	83	0.00	8.48
3	I	FLUOROBENZENE	1.000	1.000	0.0	98	0.00	11.67
4	S	4-BROMOFLUOROBENZENE (S)	0.453	0.473	-4.4	100	0.00	16.33
5	S	1,2-DICHLOROBENZENE-d4 (S	0.594	0.624	-5.1	99	0.00	18.03
6	M	DICHLORODIFLUOROMETHANE	0.436	0.539	-23.6	114	-0.02	4.25
			True	Calc.	% Drift			
7	M	CHLOROMETHANE	10.000	11.316	-13.2	105	0.00	4.68
			AvgRF	CCRF	% Dev			
8	M	VINYL CHLORIDE	0.314	0.338	-7.6	104	-0.01	4.98
9	M	BROMOMETHANE	0.265	0.264	0.4	105	0.00	5.78
10	M	CHLOROETHANE	0.174	0.186	-6.9	106	0.00	6.00
11	M	TRICHLOROFLUOROMETHANE	0.588	0.647	-10.0	109	-0.02	6.53
12	M	ETHYL ETHER	0.121	0.128	-5.8	91	-0.01	7.01
13	M	ACROLEIN			NA			
14	M	1,1-DICHLOROETHYLENE	0.210	0.226	-7.6	94	-0.01	7.50
15	M	FREON 113	0.229	0.265	-15.7	105	0.00	7.48
16	M	ACETONE	0.016	0.017	-6.3	96	0.00	7.60
17	M	IODOMETHANE	0.444	0.490	-10.4	97	-0.01	7.83
18	M	CARBON DISULFIDE	0.731	0.754	-3.1	92	-0.01	7.97
19	M	METHYL ACETATE	0.155	0.167	-7.7	96	0.00	8.15
20	M	ALLYL CHLORIDE	0.119	0.133	-11.8	104	0.00	8.13
			True	Calc.	% Drift			
21	M	METHYLENE CHLORIDE	10.000	12.778	-27.8	100	0.00	8.36
			AvgRF	CCRF	% Dev			
22	M	ACRYLONITRILE	0.075	0.086	-14.7	90	-0.01	8.76
23	M	METHYL TERT BUTYL ETHER	0.825	0.911	-10.4	96	-0.01	8.71
24	M	trans-1,2-DICHLOROETHYLEN	0.344	0.372	-8.1	96	-0.02	8.77
25	M	HEXANE	0.257	0.270	-5.1	98	-0.01	9.10
26	M	1,1-DICHLOROETHANE	0.442	0.449	-1.6	92	0.00	9.42
27	M	DI-ISOPROPYL ETHER	0.625	0.706	-13.0	99	0.00	9.38
28	M	ETHYL TERT-BUTYL ETHER	0.778	0.884	-13.6	99	-0.01	9.89
29	M	2-BUTANONE	0.022	0.025	-13.6	98	0.00	10.22
30	M	2,2-DICHLOROPROPANE	0.513	0.503	1.9	90	0.00	10.22
31	M	cis-1,2-DICHLOROETHYLENE	0.445	0.481	-8.1	94	-0.01	10.23
32	M	PROPIONITRILE	0.032	0.033	-3.1	81	0.00	10.33
33	M	METHYLACRYLATE	0.201	0.244	-21.4	95	0.00	10.33

Continuing Calibration Summary

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample: V3B1917-CC1914
Lab FileID: 3B41598.D

34	M	METHACRYLONITRILE	0.120	0.192	-60.0#	139	0.00	10.52
35	M	BROMOCHLOROMETHANE	0.140	0.152	-8.6	95	-0.01	10.57
36	M	CHLOROFORM	0.534	0.552	-3.4	96	0.00	10.63
37	M	TETRAHYDROFURAN	0.062	0.060	3.2	77	0.00	10.62
38	M	1,1,1-TRICHLOROETHANE	0.535	0.565	-5.6	94	0.00	10.88
39	M	CYCLOHEXANE	0.322	0.333	-3.4	86	0.00	10.95
40	M	1-CHLOROBUTANE	0.770	0.823	-6.9	90	0.00	10.97
41	M	1,1-DICHLOROPROPENE	0.313	0.337	-7.7	92	0.00	11.08
42	M	CARBON TETRACHLORIDE	0.503	0.520	-3.4	93	0.00	11.09
43	M	1,2-DICHLOROETHANE	0.434	0.461	-6.2	95	0.00	11.39
44	M	BENZENE	0.884	0.940	-6.3	96	0.00	11.36
45	M	TERT AMYL METHYL ETHER	0.778	0.881	-13.2	102	0.00	11.38
46	M	TRICHLOROETHYLENE	0.258	0.267	-3.5	91	0.00	12.11
47	M	METHYLCYCLOHEXANE	0.381	0.436	-14.4	103	0.00	12.31
48	M	METHYL METHACRYLATE	0.136	0.127	6.6	82	0.00	12.39
49	M	1,2-DICHLOROPROPANE	0.211	0.227	-7.6	92	0.00	12.38
50	M	DIBROMOMETHANE	0.179	0.193	-7.8	93	0.00	12.56
51	M	BROMODICHLOROMETHANE	0.409	0.442	-8.1	94	0.00	12.69
52	M	CHLOROACETONITRILE	0.015	0.015	0.0	98	0.00	12.95
53	M	2-NITROPROPANE	0.125	0.144	-15.2	96	0.00	12.93
54	M	2-CHLOROETHYL VINYL ETHER	0.136	0.165	-21.3	96	0.00	12.93
55	M	cis-1,3-DICHLOROPROPENE	0.411	0.425	-3.4	90	0.00	13.17
56	M	4-METHYL-2-PENTANONE	0.100	0.100	0.0	99	0.00	13.26
			True	Calc.	% Drift			
57	M	1,1-DICHLOROPROPANONE	10.000	12.278	-22.8	98	0.00	13.41
			AvgRF	CCRF	% Dev			
58	M	TOLUENE	0.572	0.615	-7.5	93	0.00	13.55
59	M	trans-1,3-DICHLOROPROPENE	0.412	0.456	-10.7	93	0.00	13.77
60	M	ETHYL METHACRYLATE	0.262	0.298	-13.7	94	0.00	13.75
61	M	1,1,2-TRICHLOROETHANE	0.193	0.208	-7.8	94	0.00	14.00
62	M	1,3-DICHLOROPROPANE	0.379	0.412	-8.7	93	0.00	14.20
63	M	2-HEXANONE	0.088	0.093	-5.7	97	0.00	14.17
64	M	TETRACHLOROETHYLENE	0.314	0.336	-7.0	94	0.00	14.17
65	M	DIBROMOCHLOROMETHANE	0.336	0.356	-6.0	92	0.00	14.48
66	M	1,2-DIBROMOETHANE	0.251	0.283	-12.7	95	0.00	14.64
67	M	CHLOROBENZENE	0.699	0.760	-8.7	94	0.00	15.13
68	M	1,1,1,2-TETRACHLOROETHANE	0.323	0.351	-8.7	96	0.00	15.19
69	M	ETHYLBENZENE	1.146	1.313	-14.6	95	0.00	15.18
70	M	m,p-XYLENE	0.445	0.495	-11.2	94	0.00	15.29
71	M	o-XYLENE	0.449	0.515	-14.7	96	0.00	15.74
72	M	STYRENE	0.680	0.807	-18.7	94	0.00	15.75
73	M	BROMOFORM	0.265	0.269	-1.5	89	0.00	16.06
74	M	ISOPROPYLBENZENE	1.070	1.213	-13.4	93	0.00	16.10
75	M	BROMOBENZENE	0.381	0.426	-11.8	97	0.00	16.55
76	M	1,1,2,2-TETRACHLOROETHANE	0.374	0.384	-2.7	94	0.00	16.44
77	M	TRANS-1,4-DICHLORO-2-BUTE	0.133	0.132	0.8	86	0.00	16.49
78	M	1,2,3-TRICHLOROPROPANE	0.134	0.139	-3.7	99	0.00	16.52
79	M	n-PROPYLBENZENE	1.458	1.629	-11.7	94	0.00	16.53
80	M	O-CHLOROTOLUENE	1.081	1.177	-8.9	95	0.00	16.71
81	M	1,3,5-TRIMETHYLBENZENE	1.117	1.291	-15.6	94	0.00	16.69
82	M	P-CHLOROTOLUENE	0.967	1.066	-10.2	96	0.00	16.81
83	M	tert-BUTYLBENZENE	0.954	1.097	-15.0	93	0.00	17.07
84	M	1,2,4-TRIMETHYLBENZENE	1.170	1.380	-17.9	96	0.00	17.12
85	M	PENTACHLOROETHANE	0.273	0.298	-9.2	95	0.00	17.18
86	M	sec-BUTYLBENZENE	1.423	1.600	-12.4	93	0.00	17.30
87	M	p-ISOPROPYLTOLUENE	1.311	1.526	-16.4	94	0.00	17.42
88	M	M-DICHLOROBENZENE	0.741	0.814	-9.9	96	0.00	17.53
89	M	P-DICHLOROBENZENE	0.790	0.850	-7.6	95	0.00	17.62

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5

Continuing Calibration Summary

Job Number: JA8970
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample: V3B1917-CC1914
Lab FileID: 3B41598.D

90	M	n-BUTYLBENZENE	1.272	1.456	-14.5	94	0.00	17.87
91	M	O-DICHLOROBENZENE	0.783	0.862	-10.1	98	0.00	18.05
92	M	HEXACHLOROETHANE	0.272	0.312	-14.7	97	0.00	18.33
93	M	1,2-DIBROMO-3-CHLOROPROPA	0.081	0.089	-9.9	93	0.00	18.91
94	M	NITROBENZENE	0.055	0.051	7.3	91	0.00	19.15
95	M	1,2,4-TRICHLOROBENZENE	0.697	0.804	-15.4	95	0.00	19.83
96	M	HEXACHLOROBUTADIENE	0.395	0.429	-8.6	93	0.00	19.94
97	M	NAPHTHALENE	1.530	1.766	-15.4	94	0.00	20.17
98	M	1,2,3-TRICHLOROBENZENE	0.677	0.765	-13.0	95	0.00	20.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3B41547.D M3B1914.M Fri Jan 02 16:11:53 2009 MS3B

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GC/MS Volatiles

6

Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3b41605.D Vial: 31
Acq On : 1 Jan 2009 1:06 am Operator: mohai
Sample : ja8970-1 Inst : MS3B
Misc : MS74608,V3B1917,W,,,,1 Multiple: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 01 01:34:03 2009 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

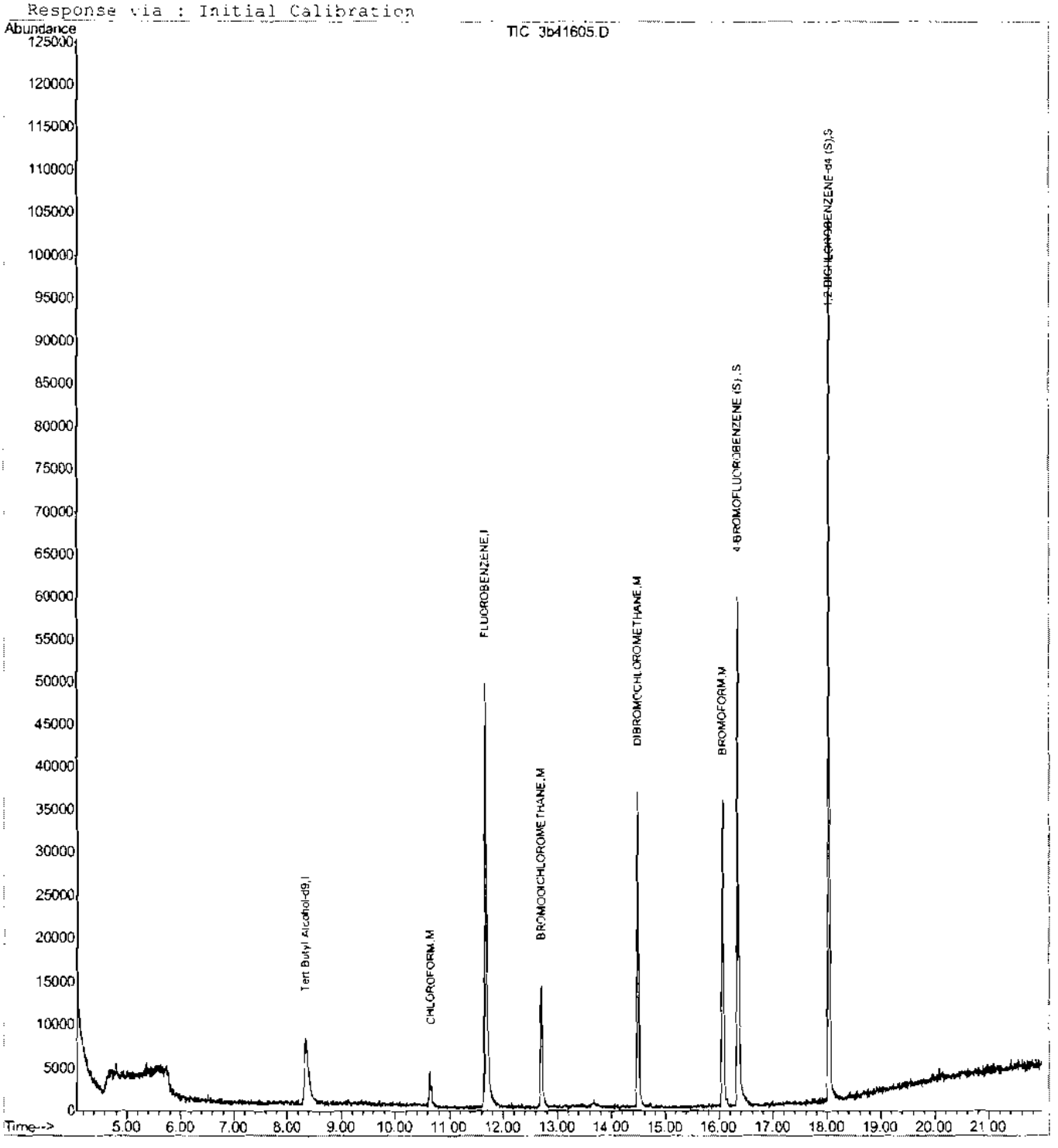
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.35	65	21242	50.00	PPB	0.00
3) FLUOROBENZENE	11.67	96	67391	5.00	PPb	0.00
System Monitoring Compounds						
4) 4-BROMOFLUOROBENZENE (S)	16.34	95	27877	4.57	PPb	0.00
Spiked Amount 5.000	Range 71 - 123		Recovery = 91.40%			
5) 1,2-DICHLOROBENZENE-d4 (S)	18.03	152	36983	4.62	PPb	0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 92.40%			
Target Compounds						Qvalue
36) CHLOROFORM	10.64	83	9059	0.70	PPb	97
51) BROMODICHLOROMETHANE	12.70	83	13581	2.46	PPb	90
65) DIBROMOCHLOROMETHANE	14.49	129	27272	6.03	PPb	98
73) BROMOFORM	16.06	173	21467	6.01	PPb	92

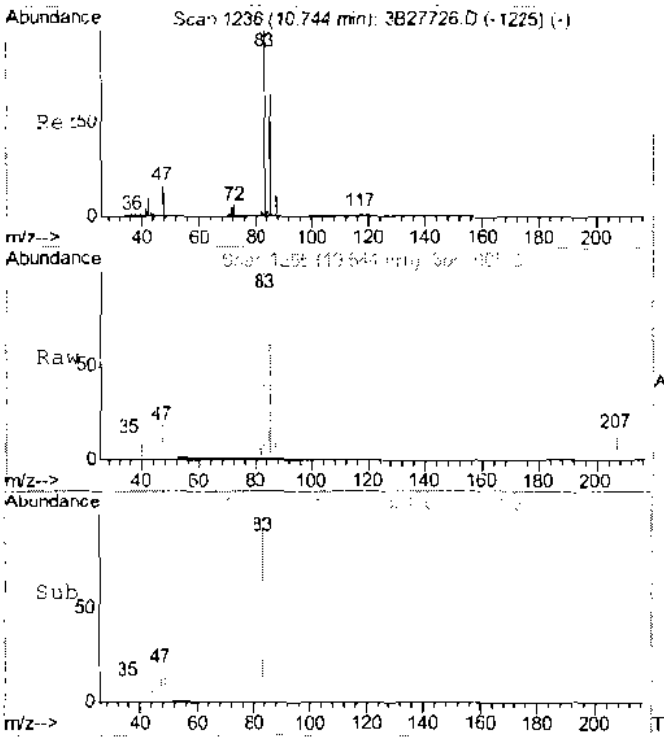
(#) = qualifier out of range (m) = manual integration (+) = signals summed
3b41605.D M3B1914.M Fri Jan 02 16:18:38 2009 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3b41605.D Vial: 31
Acq On : 1 Jan 2009 1:06 am Operator: mohui
Sample : ja8970-1 Inst : MS3B
Misc : MS74608,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 2 16:15 2009 Quant Results File: M3B1914.RES

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration

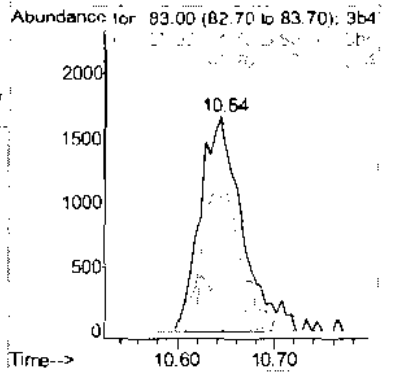


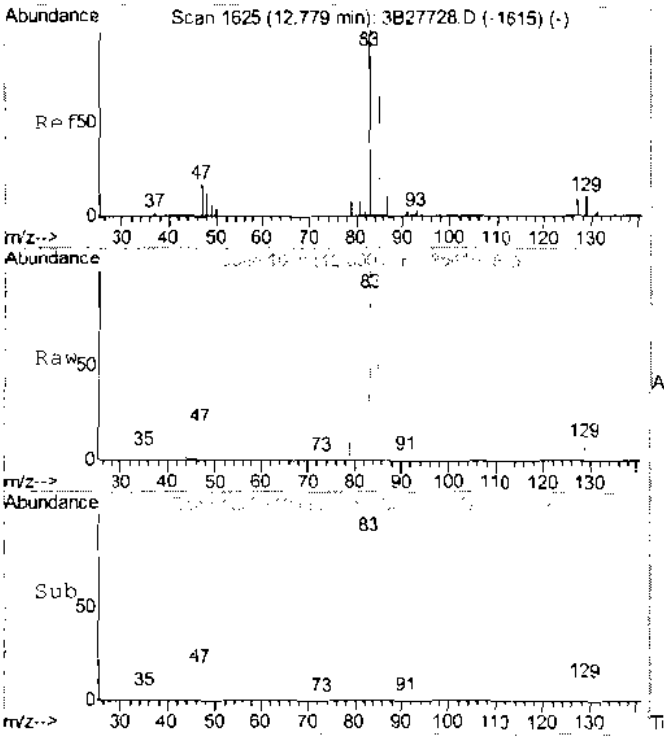


#36
CHLOROFORM
Concen: 0.70 PPb
RT: 10.64 min Scan# 1255
Delta R.T. 0.01 min
Lab File: 3b41605.D
Acq: 1 Jan 2009 1:06 am

Tgt Ion: 83 Resp: 5039

Ion	Ratio	Lower	Upper
83	100		
85	61.3	33.9	93.9
47	17.5	0.0	48.9

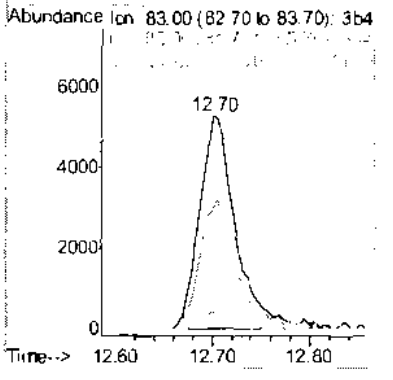


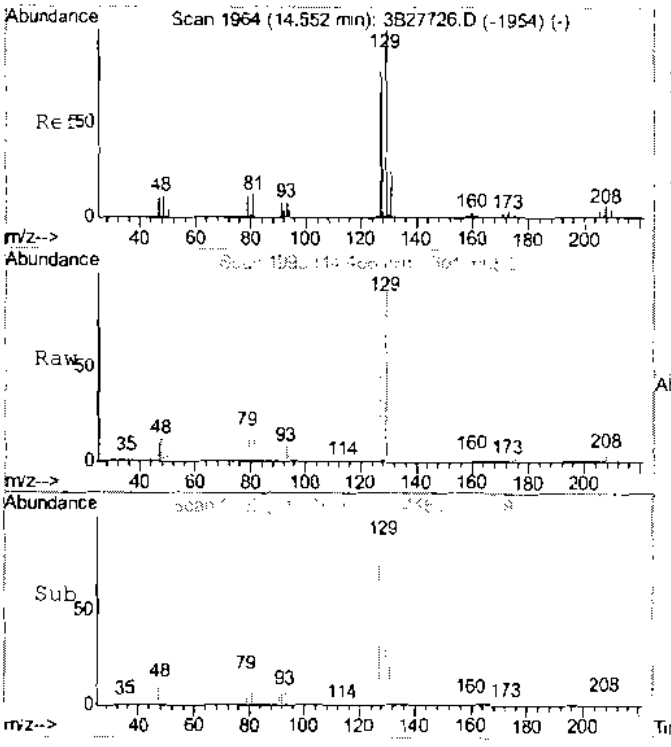


#51
BROMODICHLOROMETHANE
Concen: 2.46 PPb
RT: 12.70 min Scan# 1648
Delta R.T. 0.01 min
Lab File: 3b41605.D
Acq: 1 Jan 2009 1:06 am

Tgt Ion: 83 Resp: 13581

Ion	Ratio	Lower	Upper
83	100		
85	95.4	34.0	94.0
127	7.7	0.0	38.2

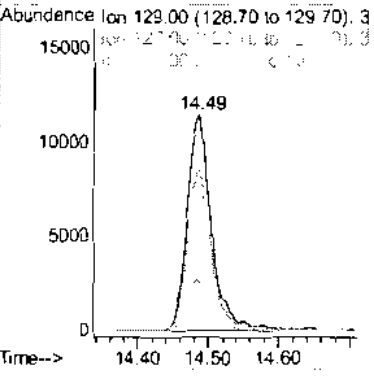


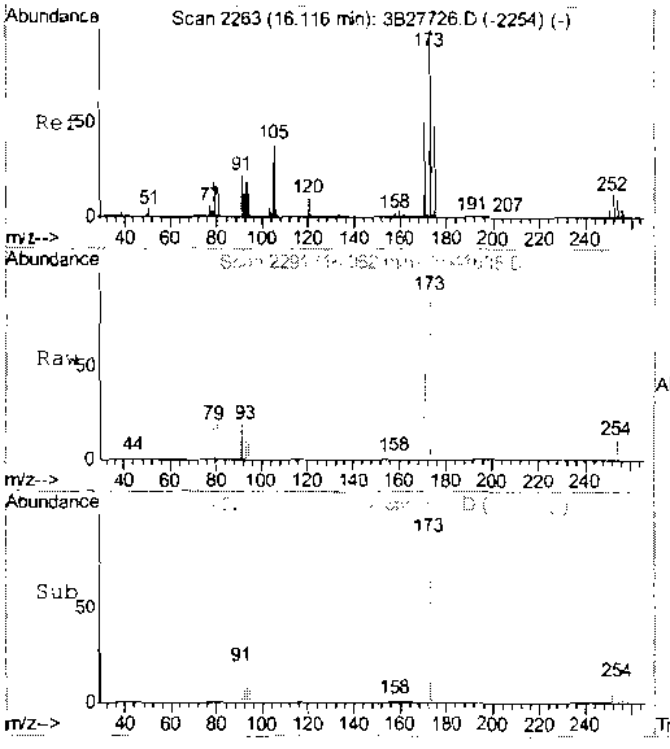


#65
DIBROMOCHLOROMETHANE
Concen: 6.03 PPb
RT: 14.49 min Scan# 1990
Delta R.T. 0.01 min
Lab File: 3b41605.D
Acq: 1 Jan 2009 1:06 am

Tgt Ion:129 Resp: 27272

Ion	Ratio	Lower	Upper
129	100		
127	74.7	46.9	106.9
131	22.3	0.0	53.2

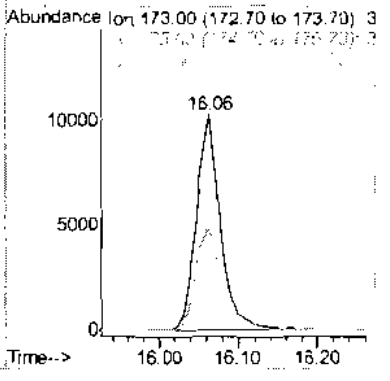




#73
BROMOFORM
Concen: 6.01 PPb
RT: 16.06 min Scan# 2291
Delta R.T. 0.01 min
Lab File: 3b41605.D
Acq: 1 Jan 2009 1:06 am

Tgt Ion:173 Resp: 21467

Ion	Ratio	Lower	Upper
173	100		
175	46.4	21.3	81.9
171	47.0	23.0	83.0



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41606.D Vial: 32
Acq On : 1 Jun 2009 1:39 am Operator: mohui
Sample : ja8970-2 Inst : MS3B
Misc : MS74608,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 01 02:06:43 2009 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3S1914

Internal Standards	R.T.	Qlon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.35	65	21757	50.00	PPB	0.00
3) FLUOROBENZENE	11.67	96	64968	5.00	PPb	0.00
System Monitoring Compounds						
4) 4-BROMOFLUOROBENZENE (S)	16.34	95	26191	4.45	PPb	0.00
Spiked Amount 5.000	Range 71 - 123		Recovery = 89.00%			
5) 1,2-DICHLOROBENZENE-d4 (S)	18.03	152	37068	4.90	PPb	0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 98.00%			

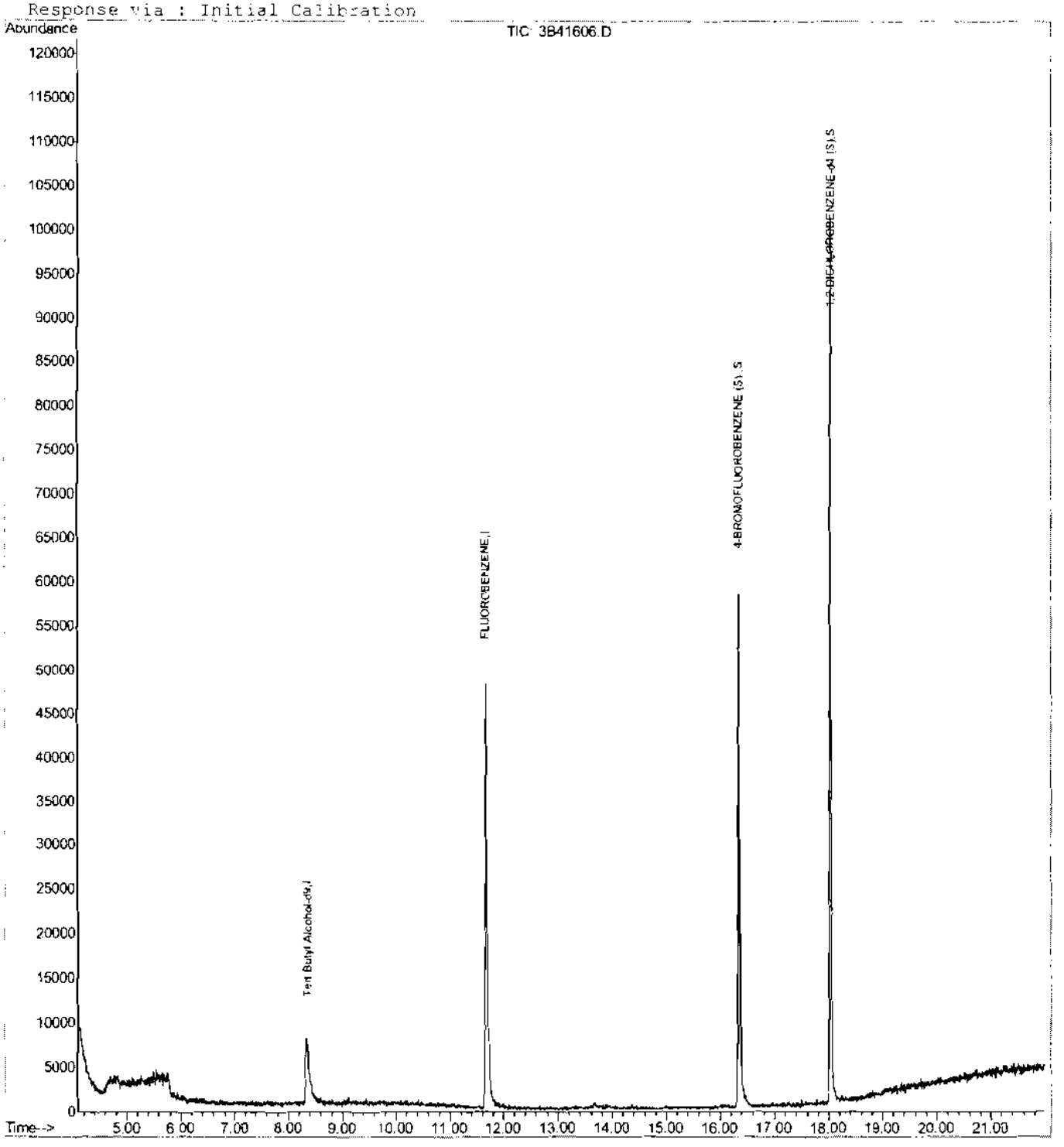
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3B41606.D M3B1914.M Fri Jan 02 16:19:04 2009 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41606.D Vial: 32
Acq On : 1 Jan 2009 1:39 am Operator: mehul
Sample : ja8970-2 Inst : MS3B
Misc : MS?4608,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 2 16:15 2009 Quant Results File: M3B1914.RES

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 10:35:23 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41607.D Vial: 33
Acq On : 1 Jan 2009 2:12 am Operator: mohui
Sample : [illegible]-3 Inst : MS3B
Misc : MS74608,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 01 02:39:13 2009 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

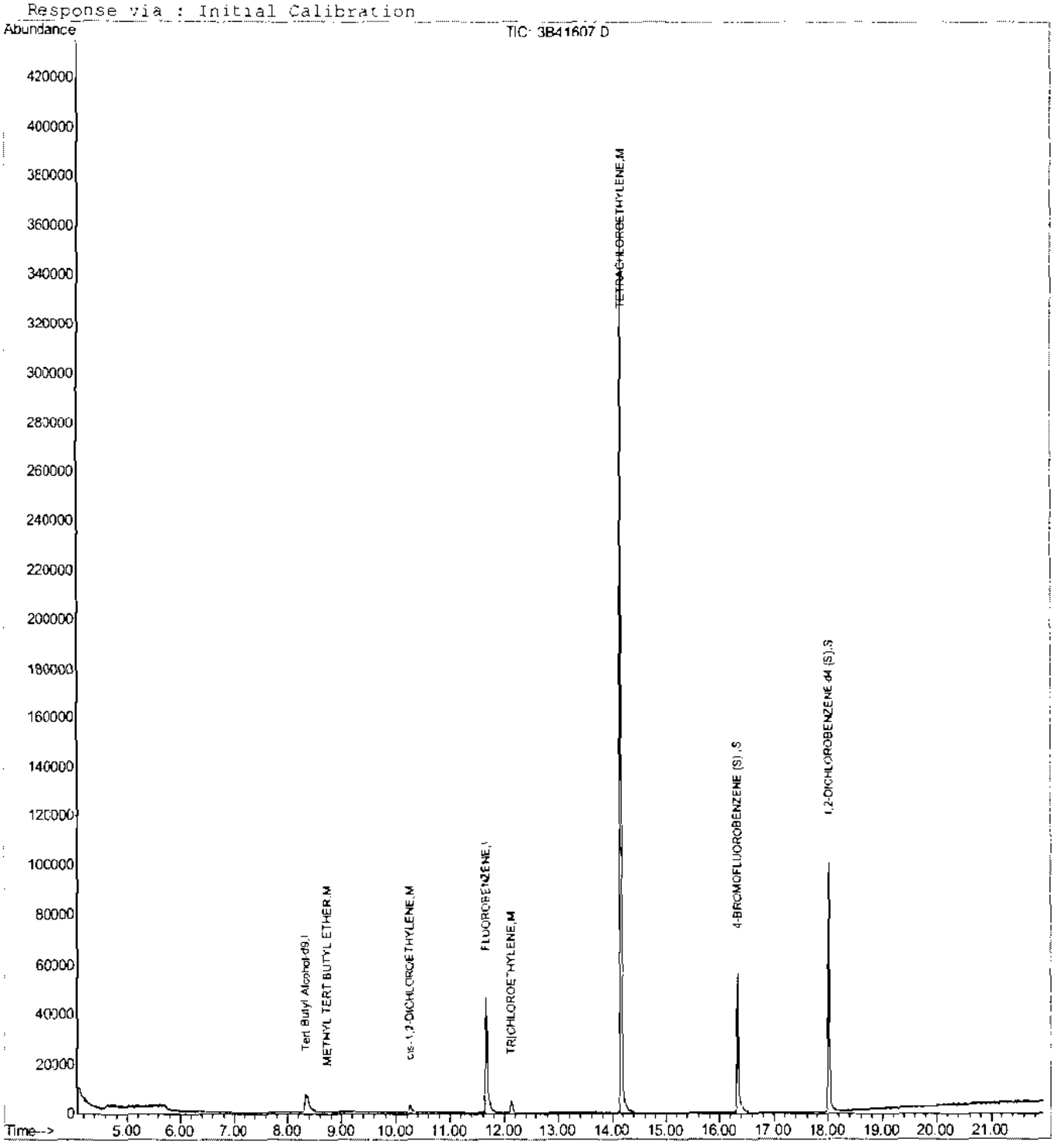
Internal Standards	R.T.	Qion	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.34	65	21049	50.00	PPB		0.00
3) FLUOROBENZENE	11.67	96	62761	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.34	95	27072	4.77	PPb		0.00
Spiked Amount 5.000	Range 71 - 123		Recovery = 95.40%				
5) 1,2-DICHLOROBENZENE-d4 (S)	18.03	152	36185	4.85	PPb		0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 97.00%				
Target Compounds							Qvalue
23) METHYL TERT BUTYL ETHER	8.73	73	1342	0.13	PPb		68
31) cis-1,2-DICHLOROETHYLENE	10.36	61	2539	0.46	PPb		96
46) TRICHLOROETHYLENE	12.12	95	2826	0.87	PPb	#	80
64) TETRACHLOROETHYLENE	14.17	166	134138	34.07	PPb		97

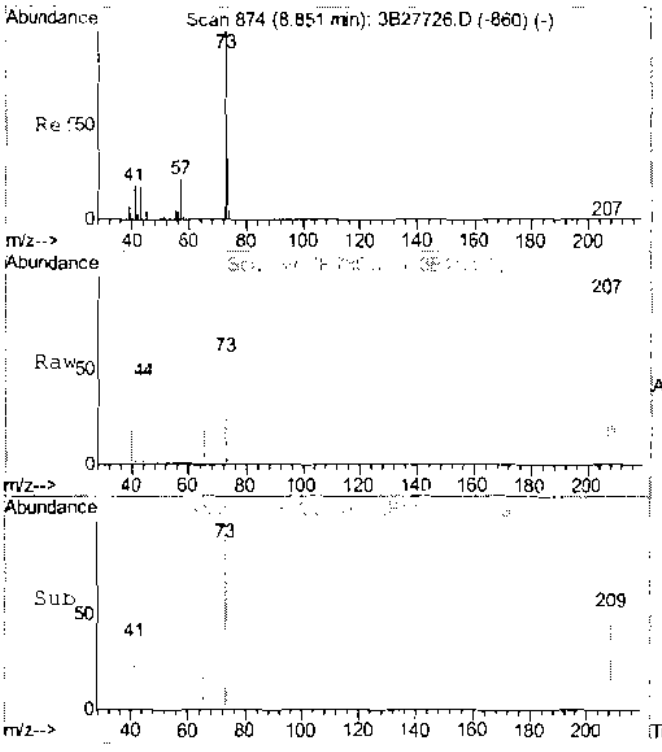
(#) = qualifier out of range (m) = manual integration (+) = signals summed
3B41607.D M3B1914.M Fri Jan 02 16:19:08 2009 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41607.D Vial: 33
Acq On : 1 Jan 2009 2:12 am Operator: mohui
Sample : ja8970-3 Inst : MS3B
Misc : MS74608,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 2 16:16 2009 Quant Results File: M3B1914.RES

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration

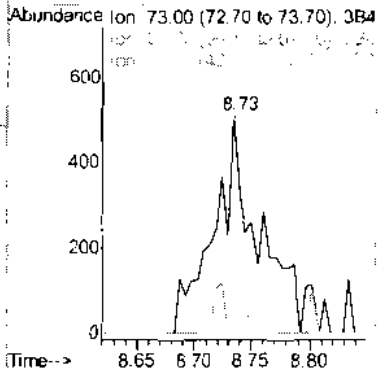


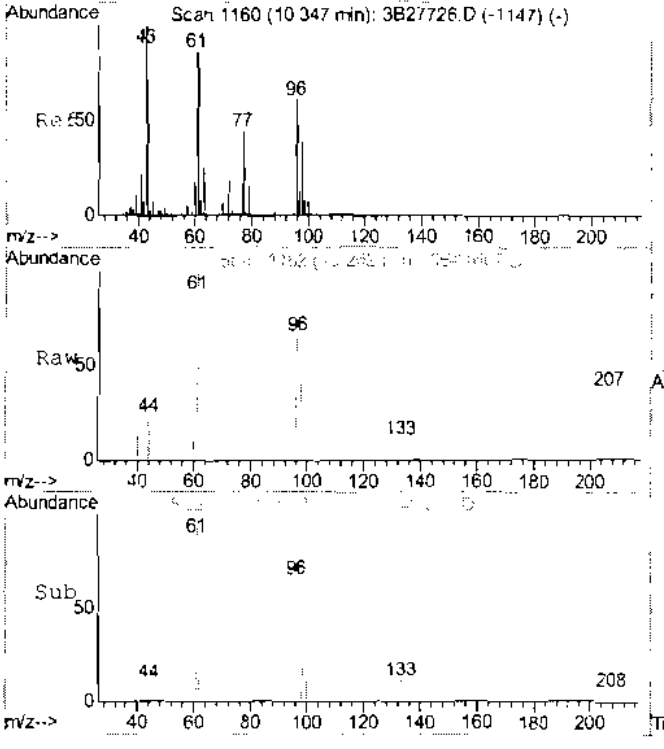


#23
METHYL TERT BUTYL ETHER
Concen: 0.13 PPb
RT: 8.73 min Scan# 690
Delta R.T. 0.01 min
Lab File: 3B41607.D
Acq: 1 Jan 2009 2:12 am

Tgt Ion: 73 Resp: 1342

Ion	Ratio	Lower	Upper
73	100		
57	0.0	0.0	39.6
43	0.0	0.0	44.9

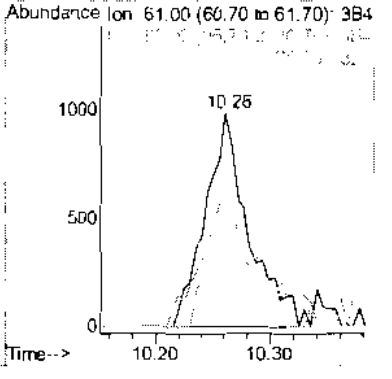


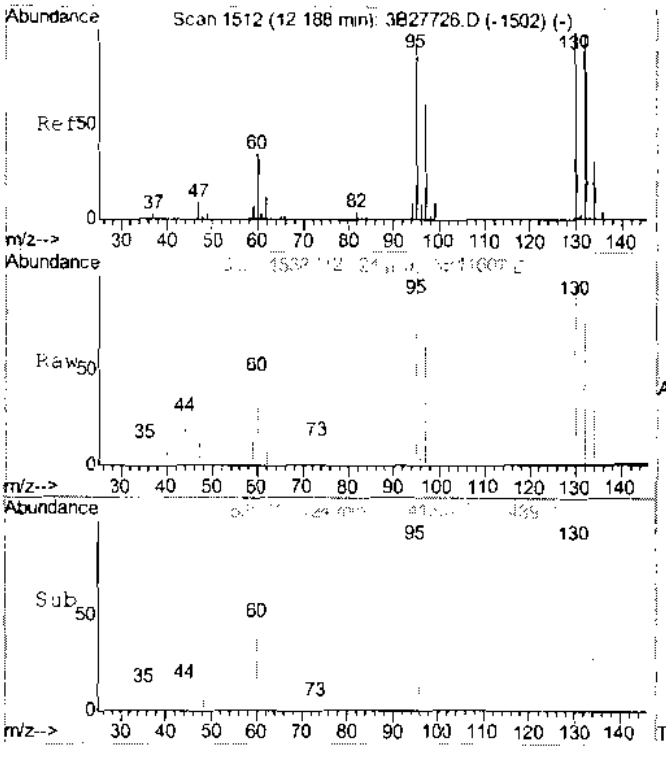


#31
cis-1,2-DICHLOROETHYLENE
Concen: 0.46 PPb
RT: 10.26 min Scan# 1162
Delta R.T. 0.02 min
Lab File: 3B41607.D
Acq: 1 Jan 2009 2:12 am

Tgt Ion: 61 Resp: 2539

Ion	Ratio	Lower	Upper
61	100		
96	57.7	50.1	93.1
98	40.7	32.6	60.5

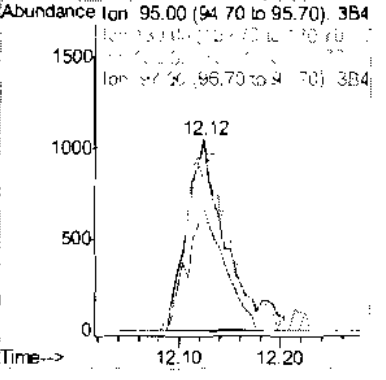


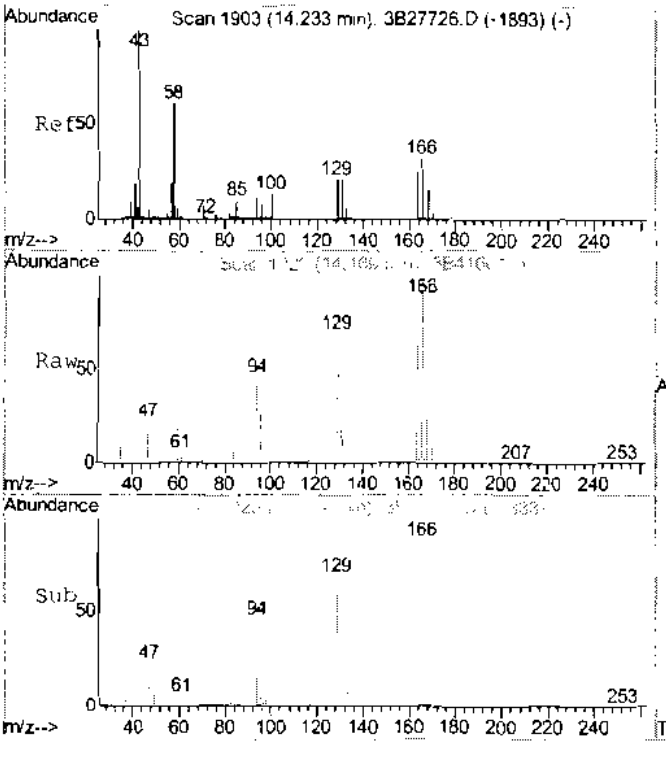


#46
TRICHLOROETHYLENE
Concen: 0.87 PPb
RT: 12.12 min Scan# 1538
Delta R.T. 0.02 min
Lab File: 3B41607.D
Acq: 1 Jan 2009 2:12 am

Tgt Ion: 95 Resp: 2826

Ion	Ratio	Lower	Upper
95	100		
130	88.8	77.7	137.7
132	76.5	60.3	140.3#
97	63.3	35.2	95.2

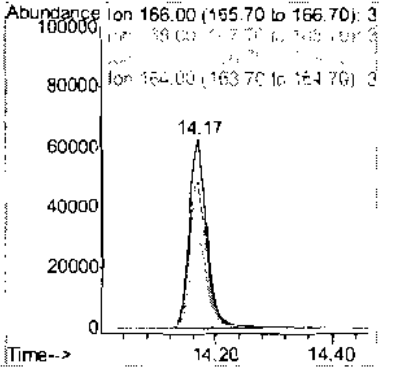




#64
TETRACHLOROETHYLENE
Concen: 34.07 PPb
RT: 14.17 min Scan# 1929
Delta R.T. -0.00 min
Lab File: 3B41607.D
Acq: 1 Jan 2009 2:12 am

Tgt Ion:166 Resp: 134138

Ion	Ratio	Lower	Upper
166	100		
168	46.9	19.3	79.3
129	69.3	39.8	99.8
164	77.1	50.5	110.5



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41608.D Vial: 34
Acq On : 2 Jan 2009 2:44 am Operator: mchu
Sample : ja8970-4 Inst : MS3B
Misc : MS74608,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 01 03:11:49 2009 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

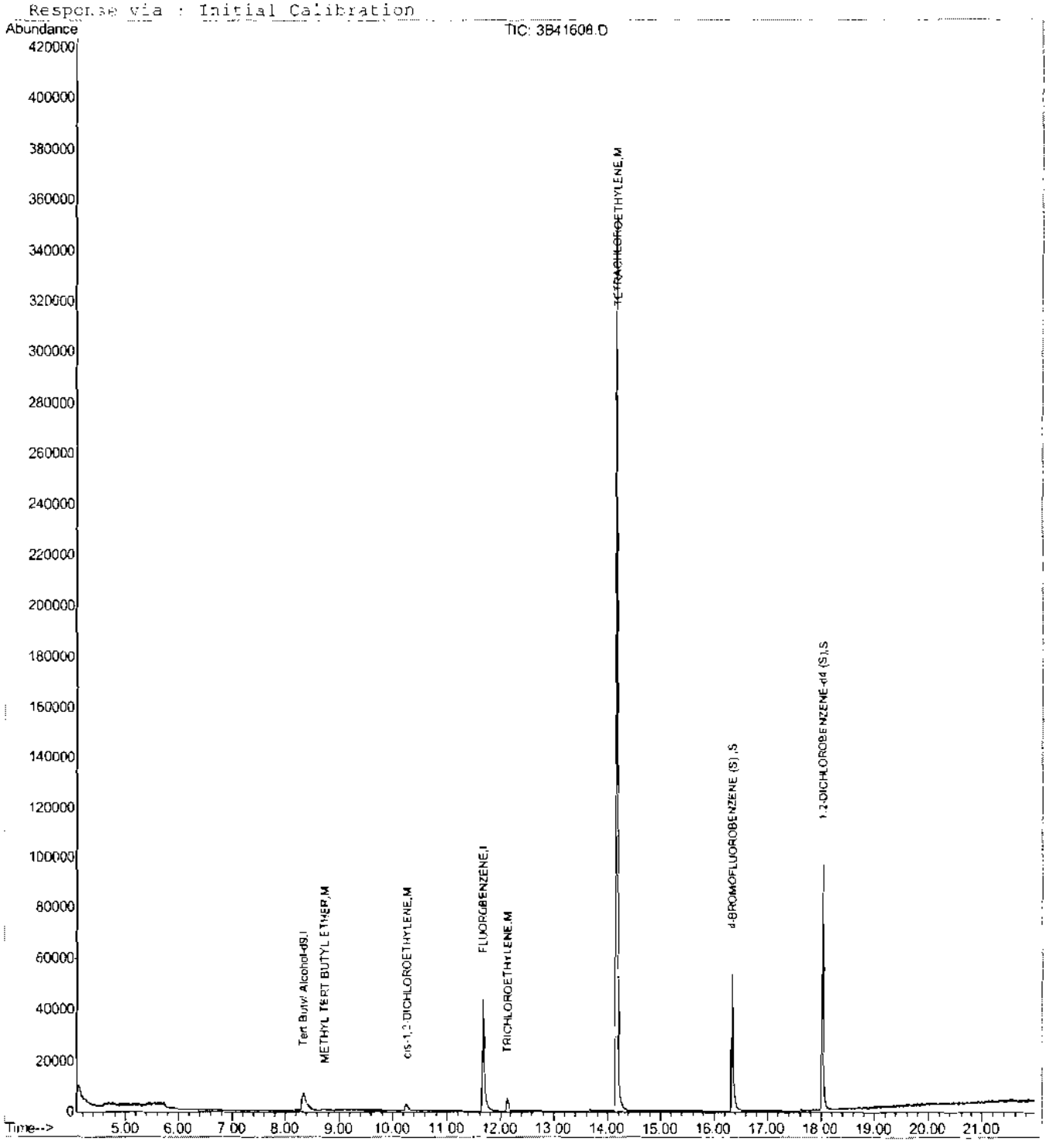
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.34	65	19323	50.00	PPB		0.00
3) FLUOROBENZENE	11.67	96	60730	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.24	95	25643	4.66	PPb		0.00
Spiked Amount 5.000	Range 71 - 123		Recovery = 93.20%				
5) 1,2-DICHLOROBENZENE-d4 (S)	18.03	152	34098	4.73	PPb		0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 94.60%				
Target Compounds							Qvalue
23) METHYL TERT BUTYL ETHER	8.74	73	1271	0.13	PPb		64
31) cis-1,2-DICHLOROETHYLENE	10.26	61	2490	0.46	PPb		83
46) TRICHLOROETHYLENE	12.12	95	2510	0.90	PPb	#	73
64) TETRACHLOROETHYLENE	14.17	166	133094	34.92	PPb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3B41608.D M3B1914.M Fri Jan 02 16:19:14 2009 MS3B

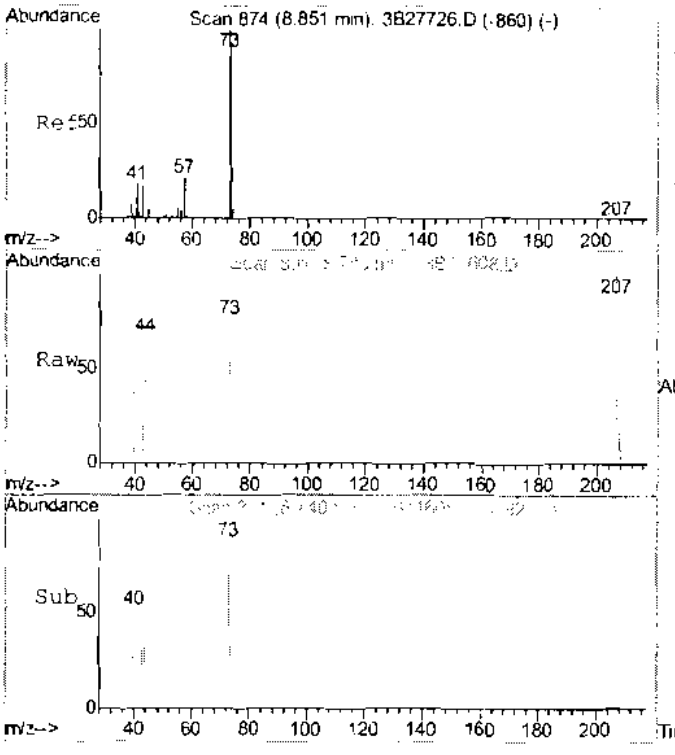
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41608.D Vial: 34
Acq On : 1 Jan 2009 2:44 am Operator: mohui
Sample : ja8970-4 Inst : MS3B
Misc : MS74608,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 2 16:16 2009 Quant Results File: M3B1914.PES

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration



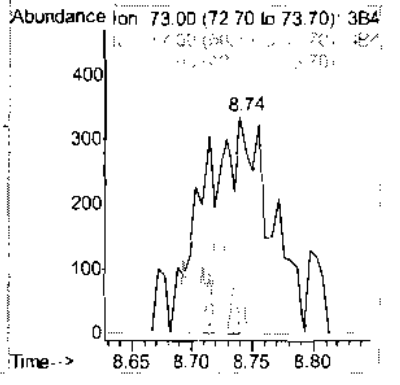
3B41608.D M3B1914.M Fri Jan 02 16:19:14 2009 MS3B Page 2

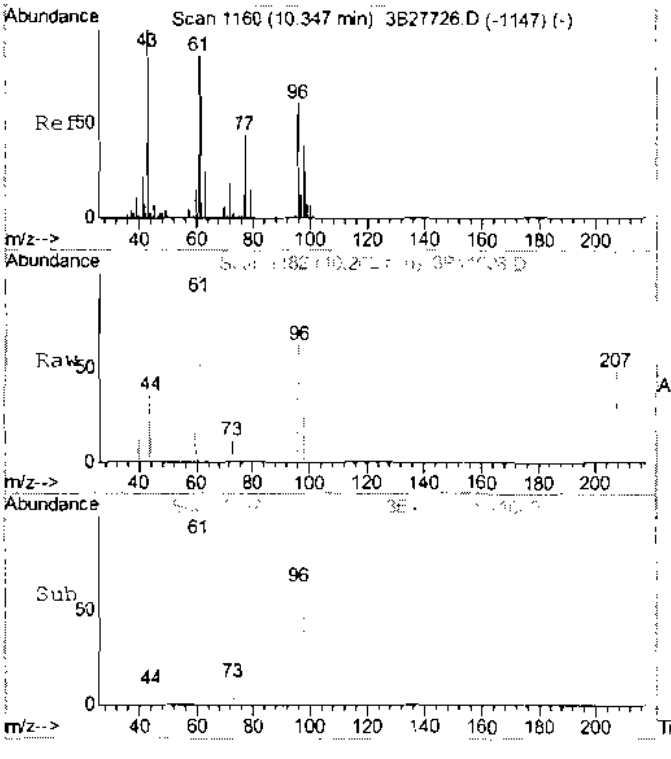


#23
METHYL TERT BUTYL ETHER
Concen: 0.13 PPb
RT: 8.74 min Scan# 891
Delta R.T. 0.02 min
Lab File: 3B41608.D
Acq: 1 Jan 2009 2:44 am

Tgt Ion: 73 Resp: 1271

Ion	Ratio	Lower	Upper
73	100		
57	0.0	0.0	39.6
43	32.4	0.0	44.9

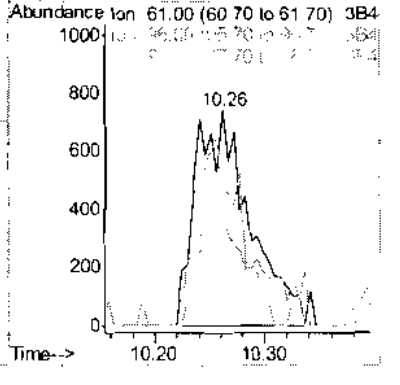


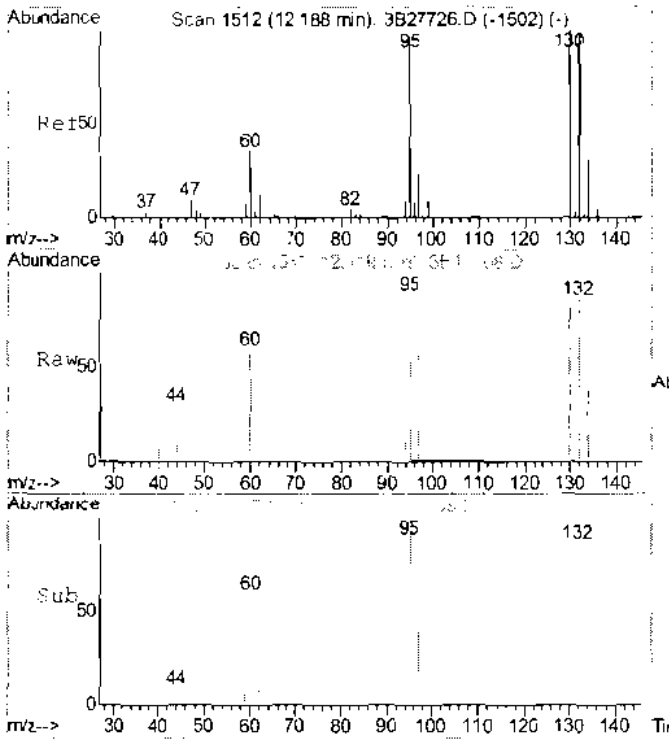


#31
cis-1,2-DICHLOROETHYLENE
Concen: 0.46 PPb
RT: 10.26 min Scan# 1182
Delta R.T. 0.02 min
Lab File: 3B41608.D
Acq: 1 Jan 2009 2:44 am

Tgt Ion: 61 Resp: 2490

Ion	Ratio	Lower	Upper
61	100		
96	50.5	50.1	93.1
98	48.4	32.6	60.5

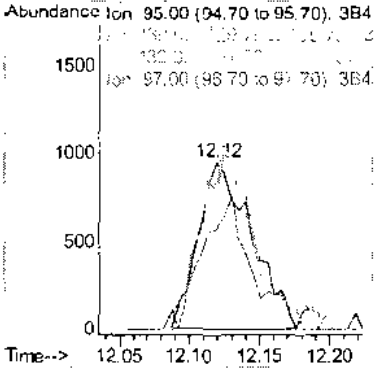


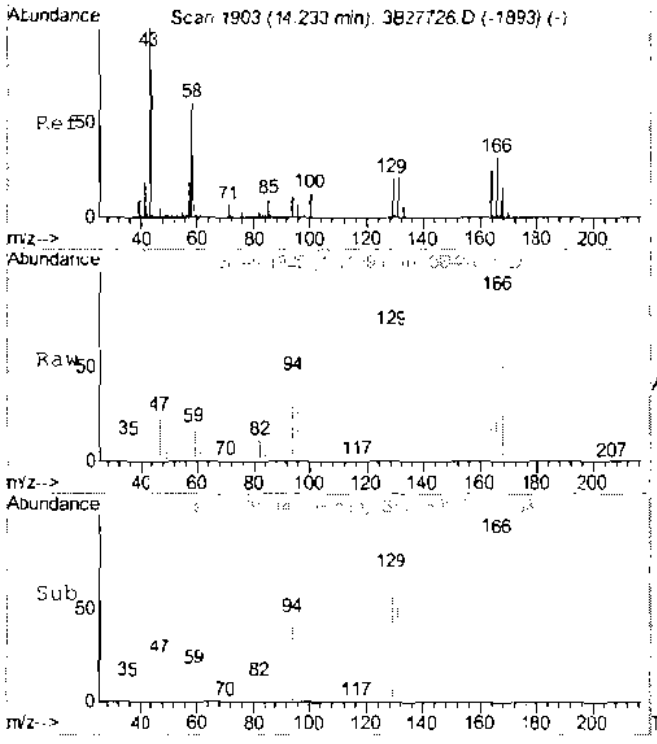


#46
TRICHLOROETHYLENE
Concen: 0.80 PPb
RT: 12.12 min Scan# 1537
Delta R.T. 0.01 min
Lab File: 3B41608.D
Acq: 1 Jan 2009 2:44 am

Tgt Ion: 95 Resp: 2510

Ion	Ratio	Lower	Upper
95	100		
130	71.1	77.7	137.7#
132	80.7	80.3	140.3
97	54.5	35.2	95.2

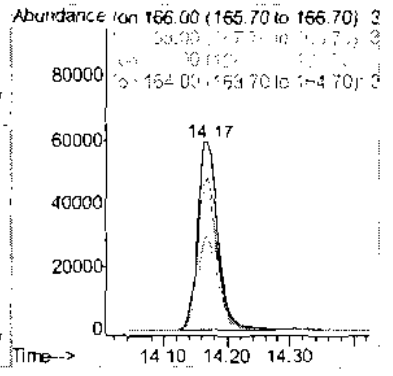




#64
TETRACHLOROETHYLENE
Concen: 34.92 PPb
RT: 14.17 min Scan# 1929
Delta R.T. -0.00 min
Lab File: 3B41608.D
Acq: 1 Jan 2009 2:44 am

Tgt Ion:166 Resp: 133094

Ion	Ratio	Lower	Upper
166	100		
168	50.5	19.3	79.3
129	70.4	39.8	99.8
164	81.0	50.5	110.5



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41609.D Vial: 35
Acq On : 1 Jan 2009 3:17 am Operator: mohni
Sample : ja8970-5 Inst : MS3B
Misc : MS?460B,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 01 03:44:24 2009 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

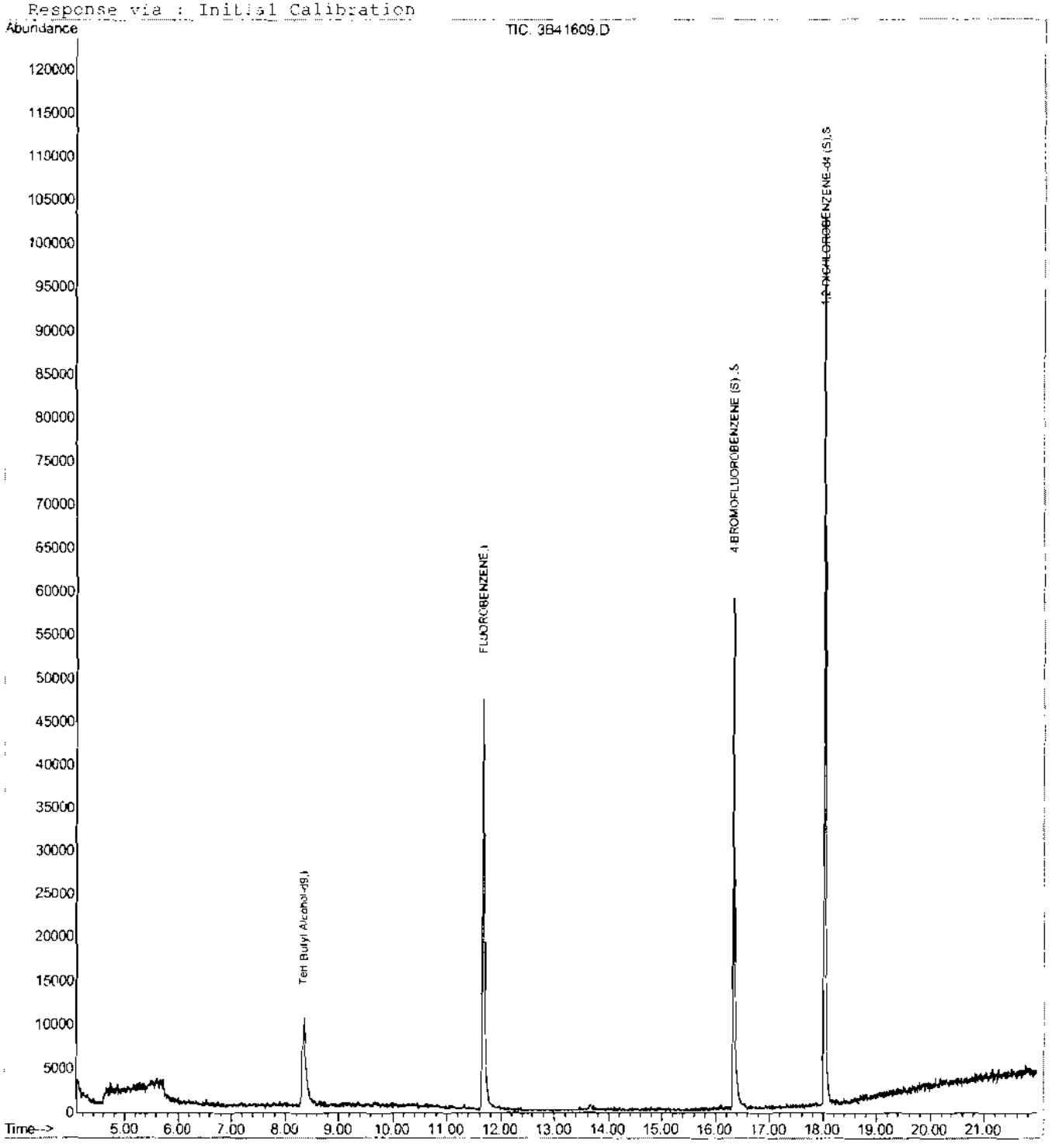
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.34	65	20016	50.00	PPB	0.00
3) FLUOROBENZENE	11.67	96	63589	5.00	PPb	0.00
System Monitoring Compounds						
4) 4-BROMOFLUOROBENZENE (S)	16.34	95	26150	4.54	PPb	0.00
Spiked Amount 5.000	Range 71 - 123		Recovery = 90.80%			
5) 1,2-DICHLOROBENZENE-d4 (S)	18.03	152	35561	4.71	PPb	0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 94.20%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3B41609.D M3B1914.M Fri Jan 02 16:19:20 2009 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41609.D Vial: 35
Acq On : 1 Jan 2009 3:17 am Operator: mohui
Sample : ja8970-5 Inst : MS3B
Misc : MS74608,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 2 16:17 2009 Quant Results File: M3B1914.RES

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration



6.1.5

3B41609.D M3B1914.M Fri Jan 02 16:19:20 2009 MS3B Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3b41600.D Vial: 26
Acq On : 31 Dec 2008 10:30 pm Operator: mohui
Sample : mb Inst : MS3B
Misc : MS7461.,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 31 22:57:44 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

Internal Standards	R.T.	Qlon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.35	65	16160	50.00	PPB	0.00
3) FLUOROBENZENE	11.67	96	58975	5.00	PPb	0.00
System Monitoring Compounds						
4) 4-BROMOFLUOROBENZENE (S)	16.34	95	24594	4.61	PPb	0.00
Spiked Amount 5.000	Range 71 - 123		Recovery = 92.20%			
5) 1,2-DICHLOROBENZENE-d4 (S)	18.03	152	33300	4.75	PPb	0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 95.00%			

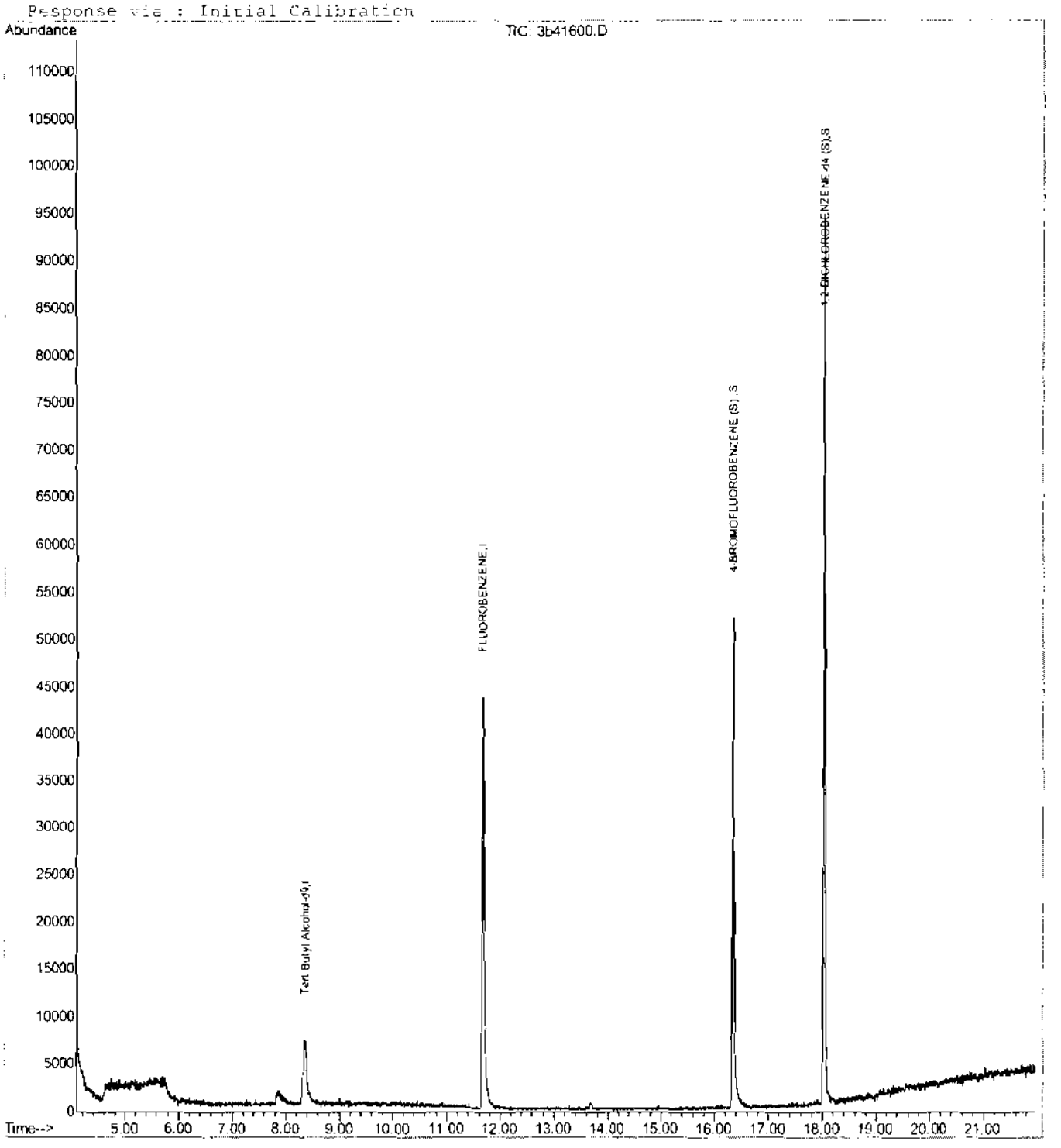
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3b41600.D M3B1914.M Fri Jan 02 16:18:47 2009 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3b41600.D Vial: 26
Acq On : 31 Dec 2008 10:30 pm Operator: mohui
Sample : mb Inst : MS3B
Misc : MS74611,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 2 16:12 2009 Quant Results File: M3B1914.RES

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:03 2008
Response via : Initial Calibration



6.2.1

9

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41601.D Vial: 27
Acq On : 31 Dec 2008 11:03 pm Operator: mohui
Sample : bs Inst : MS3B
Misc : MS7461,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 31 23:30:19 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.25	65	18326	50.00	PPB		0.00
3) FLUOROBENZENE	11.67	96	62510	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.33	95	28073	4.96	PPb		0.00
Spiked Amount 5.000	Range 71 - 123		Recovery = 99.20%				
5) 1,2-DICHLOROBENZENE-d4 (S)	18.03	152	37671	5.07	PPb		0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 101.40%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.49	59	8009	25.73	PPb		88
6) DICHLORODIFLUOROMETHANE	4.25	85	9225	1.69	PPb		89
7) CHLOROMETHANE	4.68	50	7799	1.44	PPb		91
8) VINYL CHLORIDE	4.97	62	7426	1.89	PPb		100
9) BROMOMETHANE	5.79	94	6029	1.82	PPb		95
10) CHLOROETHANE	6.02	64	4130	1.90	PPb		89
11) TRICHLOROFLUOROMETHANE	6.53	101	12705	1.73	PPb		96
12) ETHYL ETHER	7.01	45	7322	4.84	PPb		87
14) 1,1-DICHLOROETHYLENE	7.50	96	12509	4.76	PPb		81
15) FREON 113	7.49	151	15272	5.33	PPb		96
16) ACETONE	7.63	58	3145	16.12	PPb	#	46
17) IODOMETHANE	7.82	142	27294	4.91	PPb		84
18) CARBON DISULFIDE	7.97	76	42593	4.66	PPb		98
19) METHYL ACETATE	8.18	43	9154	4.71	PPb	#	100
20) ALLYL CHLORIDE	8.14	76	7290	4.88	PPb		99
21) METHYLENE CHLORIDE	8.36	84	16914	5.02	PPb		89
22) ACRYLONITRILE	8.78	53	22493	23.99	PPb		97
23) METHYL TERT BUTYL ETHER	8.71	73	50647	4.91	PPb		78
24) trans-1,2-DICHLOROETHYLENE	8.78	61	21386	4.98	PPb		91
25) HEXANE	9.11	57	14747	4.58	PPb		93
26) 1,1-DICHLOROETHANE	9.43	63	26474	4.79	PPb		95
27) DI-ISOPROPYL ETHER	9.38	45	39214	5.02	PPb		97
28) ETHYL TERT-BUTYL ETHER	9.90	59	48478	4.99	PPb		97
29) 2-BUTANONE	10.25	72	4871	17.76	PPb		73
30) 2,2-DICHLOROPROPANE	10.22	77	27032	4.21	PPb		96
31) cis-1,2-DICHLOROETHYLENE	10.24	61	26863	4.83	PPb		93
32) PROPIONITRILE	10.35	54	18435	46.25	PPb		69
33) METHYLACRYLATE	10.35	55	11682	4.66	PPb		89
34) METHACRYLONITRILE	10.54	41	6662	4.45	PPb		84
35) BROMOCHLOROMETHANE	10.58	128	8658	4.95	PPb		98
36) CHLOROFORM	10.63	83	32841	4.92	PPb		93
37) TETRAHYDROFURAN	10.63	42	4139	5.37	PPb		94
38) 1,1,1-TRICHLOROETHANE	10.88	97	32889	4.91	PPb		97
39) CYCLOHEXANE	10.95	84	18015	4.43	PPb	#	100
40) 1-CHLOROBUTANE	10.98	56	47205	4.90	PPb		81
41) 1,1-DICHLOROPROPENE	11.08	75	19482	4.97	PPb		96
42) CARBON TETRACHLORIDE	11.10	117	30909	4.91	PPb		96
43) 1,2-DICHLOROETHANE	11.39	62	28061	5.17	PPb		90
44) BENZENE	11.36	78	53627	4.85	PPb		97
45) TERT AMYL METHYL ETHER	11.38	73	48158	4.95	PPB		98

(#) = qualifier out of range (m) = manual integration
3B41601.D M3B1914.M Fri Jan 02 16:13:13 2009 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41601.D Vial: 27
Acq On : 31 Dec 2008 11:03 pm Operator: monui
Sample : bs Inst : MS3B
Misc : MS746L1,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 31 23:30:19 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	TRICHLOROETHYLENE	12.11	95	16298	5.06	PPb		90
47)	METHYLCYCLOHEXANE	12.32	83	25035	5.25	PPb		91
48)	METHYL METHACRYLATE	12.41	69	8232	4.85	PPb		87
49)	1,2-DICHLOROPROPANE	12.39	63	13901	5.27	PPb		88
50)	DIBROMOMETHANE	12.57	93	11200	5.02	PPb		89
51)	BROMODICHLOROMETHANE	12.69	83	24487	4.79	PPb		100
52)	CHLOROACETONITRILE	12.97	75	3953	21.71	PPb	#	63
53)	2-NITROPROPANE	12.94	41	8129	5.20	PPb		92
54)	2-CHLOROETHYL VINYL ETHER	12.94	63	41531	24.43	PPb		98
55)	cis-1,3-DICHLOROPROPENE	13.18	75	24687	4.81	PPb		96
56)	4-METHYL-2-PENTANONE	13.27	58	22452	17.96	PPb		99
57)	1,1-DICHLOROPROPANONE	13.41	43	8390	4.46	PPb		95
58)	TOLUENE	13.55	92	35257	4.93	PPb		97
59)	trans-1,3-DICHLOROPROPENE	13.78	75	26348	5.12	PPb		93
60)	ETHYL METHACRYLATE	13.76	69	15192	4.63	PPb		92
61)	1,1,2-TRICHLOROETHANE	14.00	83	12251	5.08	PPb		97
62)	1,3-DICHLOROPROPANE	14.20	76	24628	5.20	PPb		91
63)	2-HEXANONE	14.18	58	18685	17.03	PPb		96
64)	TETRACHLOROETHYLENE	14.17	166	20196	5.15	PPb		96
65)	DIBROMOCHLOROMETHANE	14.48	129	19305	4.60	PPb		98
66)	1,2-DIBROMOETHANE	14.65	107	16357	5.21	PPb		95
67)	CHLOROBENZENE	15.13	112	45986	5.26	PPb		96
68)	1,1,1,2-TETRACHLOROETHANE	15.19	131	21550	5.34	PPb		99
69)	ETHYLBENZENE	15.18	91	74392	5.19	PPb		94
70)	m,p-XYLENE	15.29	106	57334	10.31	PPb		91
71)	o-XYLENE	15.74	106	29792	5.31	PPb		86
72)	STYRENE	15.76	104	45373	5.33	PPb		95
73)	BROMOFORM	16.06	173	14429	4.36	PPb		97
74)	ISOPROPYLBENZENE	16.10	105	82740	6.19	PPb		92
75)	BROMOBENZENE	16.55	156	24706	5.19	PPb		100
76)	1,1,2,2-TETRACHLOROETHANE	16.44	83	23027	4.92	PPb		99
77)	TRANS-1,4-DICHLORO-2-BUTEN	16.49	53	6590	3.97	PPb		89
78)	1,2,3-TRICHLOROPROPANE	16.53	110	7578	4.54	PPb	#	83
79)	n-PROPYLBENZENE	16.54	91	97401	5.34	PPb		96
80)	O-CHLOROTOLUENE	16.71	91	71863	5.32	PPb		94
81)	1,3,5-TRIMETHYLBENZENE	16.69	105	72377	5.18	PPb		93
82)	P-CHLOROTOLUENE	16.82	91	62624	5.18	PPb		95
83)	tert-BUTYLBENZENE	17.07	119	83580	5.33	PPb		91
84)	1,2,4-TRIMETHYLBENZENE	17.12	105	76536	5.23	PPb		94
85)	PENTACHLOROETHANE	17.18	167	15650	4.59	PPb		94
86)	sec-BUTYLBENZENE	17.30	105	92589	5.21	PPb		95
87)	p-ISOPROPYLTOLUENE	17.42	119	82119	5.01	PPb		95
88)	M-DICHLOROBENZENE	17.55	146	47346	5.11	PPb		94
89)	P-DICHLOROBENZENE	17.62	146	49663	5.03	PPb		95
90)	n-BUTYLBENZENE	17.88	91	77341	4.86	PPb		97
91)	O-DICHLOROBENZENE	18.05	146	50672	5.18	PPb		96
92)	HEXACHLOROETHANE	18.33	201	16453	4.84	PPb		93
93)	1,2-DIBROMO-3-CHLOROPROPAN	18.91	155	5128	5.04	PPb		99
94)	NITROBENZENE	19.16	77	22549	32.89	PPb		98

(#) = qualifier out of range (m) = manual integration
3B41601.D M3B1914.M Fri Jan 02 16:13:13 2009 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41601.D
Acq On : 31 Dec 2008 11:03 pm
Sample : bs
Misc : MS746I1,V3B1917,W,,,,I
MS Integration Params: rteint.p
Quant Time: Dec 31 23:30:19 2008

Vial: 27
Operator: mohui
Inst : MS3B
Multiplr: 1.00

Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

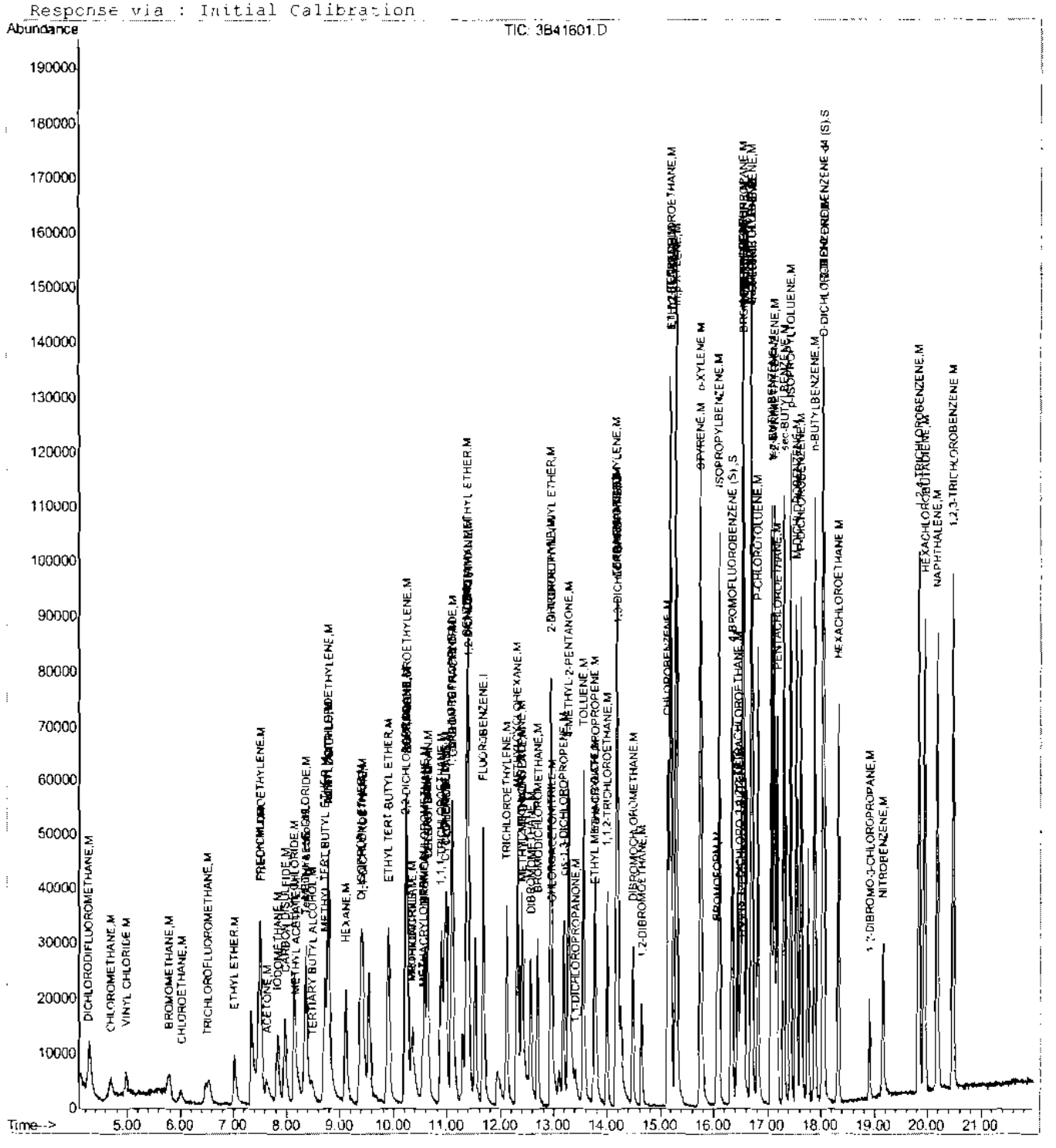
Compound	R.T.	Qion	Response	Conc Unit	Qvalue
95) 1,2,4-TRICHLOROBENZENE	19.83	180	44503	5.11 PPb	96
96) HEXACHLOROBUTADIENE	19.94	225	25966	5.26 PPb	97
97) NAPHTHALENE	20.18	128	94057	4.92 PPb	99
98) 1,2,3-TRICHLOROBENZENE	20.47	180	42107	4.97 PPb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3B41601.D M3B1914.M Fri Jan 02 16:13:13 2009 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41601.D Vial: 27
Acq On : 31 Dec 2008 11:03 pm Operator: mohui
Sample : bs Inst : MS3B
Misc : MS4611,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 2 16:13 2009 Quant Results File: M3B1914.RES

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Fri Jan 02 10:20:06 2009
Response via : Initial Calibration



3B41601.D M3B1914.M Fri Jan 02 16:13:15 2009 MS3B Page 4

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41602.D Vial: 28
Acq On : 31 Dec 2008 11:35 pm Operator: mohui
Sample : ja8970-3ms Inst : MS3B
Misc : MS74608,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 01 00:02:55 2009 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.35	65	19360	50.00	PPB		0.00
3) FLUOROBENZENE	11.67	96	62937	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.33	95	28938	5.08	PPb		0.00
Spiked Amount 5.000	Range 71 - 123		Recovery = 101.60%				
5) 1,2-DICHLOROBENZENE-d4 (S)	18.03	152	39164	5.24	PPb		0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 104.80%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.48	59	7099	21.59	PPb		95
6) DICHLORODIFLUOROMETHANE	4.24	85	15919	2.90	PPb		93
7) CHLOROMETHANE	4.66	50	10952	2.27	PPb		88
8) VINYL CHLORIDE	4.97	62	10602	2.68	PPb		98
9) BROMOMETHANE	5.77	94	7806	2.34	PPb		94
10) CHLOROETHANE	6.00	64	5412	2.47	PPb		90
11) TRICHLOROFLUOROMETHANE	6.53	101	19061	2.57	PPb		97
12) ETHYL ETHER	7.01	45	7002	4.60	PPb		82
14) 1,1-DICHLOROETHYLENE	7.51	96	15797	5.22	PPb		88
15) FREON 113	7.49	151	12943	4.48	PPb		92
16) ACETONE	7.65	58	3453	17.98	PPb		61
17) IODOMETHANE	7.82	142	28461	5.09	PPb		83
18) CARBON DISULFIDE	7.97	76	42847	4.66	PPb		99
19) METHYL ACETATE	8.19	43	6513	3.33	PPb		100
20) ALLYL CHLORIDE	8.13	76	7675	5.11	PPb	#	50
21) METHYLENE CHLORIDE	8.36	84	15131	4.28	PPb		91
22) ACRYLONITRILE	8.78	53	21854	23.15	PPb		94
23) METHYL TERT BUTYL ETHER	8.71	73	49954	4.91	PPb		73
24) trans-1,2-DICHLOROETHYLENE	8.76	61	21906	5.06	PPb		99
25) HEXANE	9.11	57	12650	3.91	PPb		93
26) 1,1-DICHLOROETHANE	9.42	63	26351	4.74	PPb		96
27) DI-ISOPROPYL ETHER	9.38	45	32033	4.07	PPb		99
28) ETHYL TERT-BUTYL ETHER	9.90	59	39794	4.06	PPb		96
29) 2-BUTANONE	10.26	72	5211	18.87	PPb		85
30) 2,2-DICHLOROPROPANE	10.22	77	28005	4.33	PPb		96
31) cis-1,2-DICHLOROETHYLENE	10.24	61	28927	5.17	PPb		93
32) PROPIONITRILE	10.34	54	19654	48.97	PPb		77
33) METHYLACRYLATE	10.35	55	11378	4.59	PPb	#	77
34) METHACRYLONITRILE	10.54	41	5753	3.81	PPb		83
35) BROMOCHLOROMETHANE	10.57	128	8486	4.82	PPb		96
36) CHLOROFORM	10.63	83	31522	4.69	PPb		99
37) TETRAHYDROFURAN	10.63	42	4160	5.36	PPb		84
38) 1,1,1-TRICHLOROETHANE	10.88	97	33475	4.97	PPb		99
39) CYCLOHEXANE	10.95	84	20341	5.01	PPb	#	100
40) 1-CHLOROBUTANE	10.98	56	49505	5.11	PPb		88
41) 1,1-DICHLOROPROPENE	11.08	75	19611	4.97	PPb		92
42) CARBON TETRACHLORIDE	11.09	117	30437	4.80	PPb		98
43) 1,2-DICHLOROETHANE	11.39	62	25057	4.58	PPb		92
44) BENZENE	11.36	78	54293	4.88	PPb		99
45) TERT AMYL METHYL ETHER	11.38	73	37753	3.86	PPB		97

(#) = qualifier out of range (m) = manual integration
3B41602.D M3B1914.M Fri Jan 02 16:15:44 2009 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41602.D Vial: 28
Acq On : 31 Dec 2008 11:35 pm Operator: mohui
Sample : ja8970-3ms Inst : MS3B
Misc : MS74608,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 01 00:00:55 2009 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	TRICHLOROETHYLENE	12.11	95	18513	5.71 PPb		89
47)	METHYLCYCLOHEXANE	12.31	83	20714	4.32 PPb		94
48)	METHYL METHACRYLATE	12.42	69	7294	4.26 PPb	#	62
49)	1,2-DICHLOROPROPANE	12.39	63	12583	4.72 PPb		88
50)	DIBROMOMETHANE	12.56	93	10767	4.79 PPb		85
51)	BROMODICHLOROMETHANE	12.69	83	23387	4.54 PPb		98
52)	CHLOROACETONITRILE	12.97	75	3486	19.02 PPb		92
53)	2-NITROPROPANE	12.94	41	5246	3.33 PPb		98
54)	2-CHLOROETHYL VINYL ETHER	13.11	63	399	0.23 PPb	#	43
55)	cis-1,3-DICHLOROPROPENE	13.18	75	22537	4.36 PPb		98
56)	4-METHYL-2-PENTANONE	13.27	58	21376	16.98 PPb		94
57)	1,1-DICHLOROPROPANONE	13.40	43	8395	4.42 PPb		95
58)	TOLUENE	13.55	92	34417	4.78 PPb		98
59)	trans-1,3-DICHLOROPROPENE	13.78	75	24221	4.67 PPb		86
60)	ETHYL METHACRYLATE	13.76	69	14232	4.31 PPb		91
61)	1,1,2-TRICHLOROETHANE	14.00	83	11228	4.63 PPb		97
62)	1,3-DICHLOROPROPANE	14.20	76	21369	4.48 PPb		84
63)	2-HEXANONE	14.18	58	19051	17.25 PPb		94
64)	TETRACHLOROETHYLENE	14.16	166	146788	37.17 PPb		98
65)	DIBROMOCHLOROMETHANE	14.48	129	16917	4.48 PPb		96
66)	1,2-DIBROMOETHANE	14.65	107	14393	4.55 PPb		97
67)	CHLOROBENZENE	15.14	112	41965	4.77 PPb		99
68)	1,1,1,2-TETRACHLOROETHANE	15.19	131	18799	4.62 PPb		97
69)	ETHYLBENZENE	15.18	91	69582	4.82 PPb		97
70)	m,p-XYLENE	15.29	106	54577	9.74 PPb		87
71)	o-XYLENE	15.74	106	27146	4.80 PPb		88
72)	STYRENE	15.76	104	37534	4.38 PPb		95
73)	BROMOFORM	16.06	173	13516	4.05 PPb		100
74)	ISOPROPYLBENZENE	16.10	105	66127	4.91 PPb		95
75)	BROMOBENZENE	16.55	156	23710	4.94 PPb		95
76)	1,1,2,2-TETRACHLOROETHANE	16.44	83	20143	4.28 PPb		94
77)	TRANS-1,4-DICHLORO-2-BUTEN	16.49	53	6548	3.92 PPb		85
78)	1,2,3-TRICHLOROPROPANE	16.53	110	7174	4.27 PPb		87
79)	n-PROPYLBENZENE	16.54	91	89731	4.89 PPb		97
80)	O-CHLOROTOLUENE	16.71	91	65377	4.80 PPb		95
81)	1,3,5-TRIMETHYLBENZENE	16.69	105	67590	4.80 PPb		97
82)	P-CHLOROTOLUENE	16.82	91	54956	4.68 PPb		95
83)	tert-BUTYLBENZENE	17.07	119	57514	4.79 PPb		91
84)	1,2,4-TRIMETHYLBENZENE	17.12	105	69783	4.74 PPb		94
85)	PENTACHLOROETHANE	17.18	167	15248	4.44 PPb		91
86)	sec-BUTYLBENZENE	17.30	105	88194	4.93 PPb		98
87)	p-ISOPROPYLTOLUENE	17.42	119	80734	4.89 PPb		96
88)	M-DICHLOROBENZENE	17.53	146	43795	4.69 PPb		99
89)	P-DICHLOROBENZENE	17.62	146	45548	4.58 PPb		99
90)	n-BUTYLBENZENE	17.87	91	77393	4.83 PPb		95
91)	O-DICHLOROBENZENE	18.05	146	45603	4.63 PPb		95
92)	HEXACHLOROETHANE	18.33	201	16641	4.86 PPb		89
93)	1,2-DIBROMO-3-CHLOROPROPAN	18.91	155	4758	4.64 PPb		88
94)	NITROBENZENE	19.16	77	21717	31.46 PPb		88

(#) = qualifier out of range (m) = manual integration
3B41602.D M3B1914.M Fri Jan 02 16:13:44 2009 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41602.D Vial: 28
Acq On : 31 Dec 2008 11:35 pm Operator: mohui
Sample : ja8970-3ms Inst : MS3B
Misc : MS74608,V3B1917,W,,,,I Mulciplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 01 00:02:55 2009 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
95)	1,2,4-TRICHLOROBENZENE	19.83	180	41535	4.73 PPb	92
96)	HEXACHLOROBUTADIENE	19.94	225	24828	5.00 PPb	96
97)	NAPHTHALENE	20.17	128	89113	4.63 PPb	100
98)	1,2,3-TRICHLOROBENZENE	20.47	180	39475	4.63 PPb	98

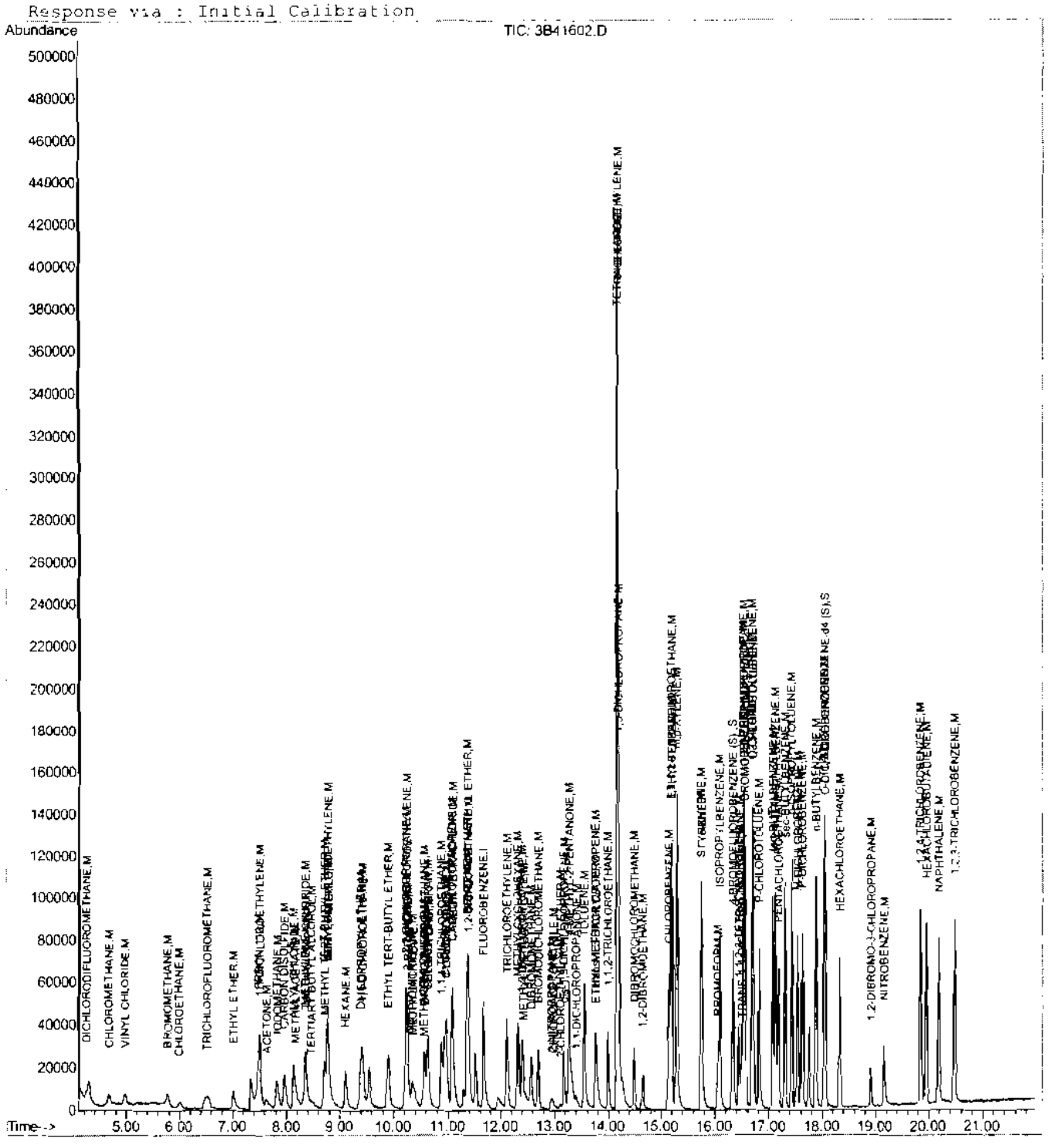
6.4.1 9

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3B41602.D M3B1914.M Fri Jan 02 16:13:44 2009 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41602.D Vial: 28
Acq On : 31 Dec 2008 11:35 pm Operator: mohul
Sample : ja8970-3ms Inst : MS3B
Misc : MS74608,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 2 16:13 2009 Quant Results File: M3B1914.RES

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Fri Jan 02 10:20:06 2009
Response via : Initial Calibration



3B41602.D M3B1914.M Fri Jan 02 16:13:46 2009 MS3B Page 4

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41603.D Vial: 29
Acq On : 1 Jan 2009 12:08 am Operator: mchui
Sample : ja8970-3msd Inst : MS3B
Misc : MS74608,v3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 01 00:35:27 2009 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

Internal Standards	R.T.	Qlon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.33	65	20630	50.00	PPB	-0.01
3) FLUOROBENZENE	11.67	96	62879	5.00	PPb	0.00
System Monitoring Compounds						
4) 4-BROMOFLUOROBENZENE (S)	16.33	95	28648	5.03	PPb	0.00
Spiked Amount 5.000	Range 71 - 123		Recovery = 100.60%			
5) 1,2-DICHLOROBENZENE-d4 (S)	18.03	152	38111	5.10	PPb	0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 102.00%			
Target Compounds						Qvalue
2) TERTIARY BUTYL ALCOHOL	8.48	59	9372	26.75	PPb	88
6) DICHLORODIFLUOROMETHANE	4.24	85	14708	2.69	PPb	95
7) CHLOROMETHANE	4.67	50	11533	2.43	PPb	95
8) VINYL CHLORIDE	4.97	62	10917	2.76	PPb	97
9) BROMOMETHANE	5.77	94	7909	2.37	PPb	86
10) CHLOROETHANE	6.02	64	6013	2.74	PPb	87
11) TRICHLOROFLUOROMETHANE	6.52	101	19793	2.67	PPb	97
12) ETHYL ETHER	7.01	45	7797	5.12	PPb	84
14) 1,1-DICHLOROETHYLENE	7.50	96	16243	6.15	PPb	76
15) FREON 113	7.48	151	15619	5.42	PPb	90
16) ACETONE	7.63	58	3532	18.00	PPb	71
17) IODOMETHANE	7.92	142	33771	6.05	PPb	97
18) CARBON DISULFIDE	7.97	76	50289	5.47	PPb	97
19) METHYL ACETATE	8.18	43	11388	5.83	PPb #	100
20) ALLYL CHLORIDE	8.14	76	9132	6.08	PPb	91
21) METHYLENE CHLORIDE	8.36	84	17177	5.09	PPb	89
22) ACRYLONITRILE	8.77	53	25256	26.78	PPb	95
23) METHYL TERT BUTYL ETHER	8.71	73	57634	5.55	PPb	82
24) trans-1,2-DICHLOROETHYLENE	8.78	61	24544	5.68	PPb	96
25) HEXANE	9.11	57	16233	5.02	PPb	95
26) 1,1-DICHLOROETHANE	9.42	63	30308	5.46	PPb	98
27) DI-ISOPROPYL ETHER	9.38	45	41764	5.32	PPb	97
28) ETHYL TERT-BUTYL ETHER	9.90	59	50741	5.19	PPb	95
29) 2-BUTANONE	10.24	72	5798	21.01	PPb	68
30) 2,2-DICHLOROPROPANE	10.22	77	31901	4.94	PPb	96
31) cis-1,2-DICHLOROETHYLENE	10.24	61	34134	6.11	PPb	90
32) PROPIONITRILE	10.35	54	21860	54.52	PPb	90
33) METHYLACRYLATE	10.35	55	13890	5.51	PPb	98
34) METHACRYLONITRILE	10.53	41	6403	4.25	PPb	96
35) BROMOCHLOROMETHANE	10.57	128	10009	5.69	PPb	95
36) CHLOROFORM	10.63	83	35890	5.35	PPb	97
37) TETRAHYDROFURAN	10.62	42	4550	5.87	PPb	86
38) 1,1,1-TRICHLOROETHANE	10.88	97	38548	5.73	PPb	99
39) CYCLOHEXANE	10.95	84	24600	6.07	PPb #	100
40) 1-CHLOROBUTANE	10.97	56	56774	5.86	PPb	93
41) 1,1-DICHLOROPROPENE	11.08	75	23126	5.87	PPb	93
42) CARBON TETRACHLORIDE	11.10	117	36533	5.77	PPb	95
43) 1,2-DICHLOROETHANE	11.39	62	28453	5.21	PPb	96
44) BENZENE	11.36	78	61657	5.55	PPb	93
45) TERT AMYL METHYL ETHER	11.38	73	49696	5.08	PPB	97

(#) = qualifier out of range (m) = manual integration
3B41603.D M3B1914.M Fri Jan 02 16:13:59 2009 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41603.D Vial: 29
Acq On : 1 Jan 2009 12:08 am Operator: mohui
Sample : ja8970-3msd Inst : MS3B
Misc : MS74608,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 01 00:25:27 2009 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	TRICHLOROETHYLENE	12.11	95	21379	6.60 PPb		96
47)	METHYLCYCLOHEXANE	12.31	83	26397	5.51 PPb		94
48)	METHYL METHACRYLATE	12.41	69	7722	4.52 PPb	#	52
49)	1,2-DICHLOROPROPANE	12.39	63	14048	5.30 PPb		87
50)	DIBROMOMETHANE	12.56	93	12210	5.44 PPb		89
51)	BROMODICHLOROMETHANE	12.69	83	27235	5.29 PPb		93
52)	CHLOROACETONITRILE	12.97	75	5063	27.65 PPb		76
53)	2-NITROPROPANE	12.93	41	6027	3.83 PPb		83
54)	2-CHLOROETHYL VINYL ETHER	13.09	63	302	0.18 PPb		56
55)	cis-1,3-DICHLOROPROPENE	13.18	75	25655	4.97 PPb		98
56)	4-METHYL-2-PENTANONE	13.27	58	23034	18.32 PPb		97
57)	1,1-DICHLOROPROPANONE	13.40	43	8002	4.10 PPb		94
58)	TOLUENE	13.55	92	39229	5.45 PPb		89
59)	trans-1,3-DICHLOROPROPENE	13.78	75	26006	5.14 PPb		90
60)	ETHYL METHACRYLATE	13.75	69	16240	4.92 PPb		82
61)	1,1,2-TRICHLOROETHANE	14.00	83	12859	5.30 PPb		96
62)	1,3-DICHLOROPROPANE	14.20	76	24624	5.17 PPb		87
63)	2-HEXANONE	14.18	58	20119	18.23 PPb		93
64)	TETRACHLOROETHYLENE	14.17	166	154666	39.20 PPb		97
65)	DIBROMOCHLOROMETHANE	14.48	129	20920	4.96 PPb		96
66)	1,2-DIBROMOETHANE	14.64	107	17000	5.38 PPb		96
67)	CHLOROBENZENE	15.13	112	48463	5.51 PPb		96
68)	1,1,1,2-TETRACHLOROETHANE	15.19	131	21773	5.36 PPb		96
69)	ETHYLBENZENE	15.28	91	83711	5.81 PPb		97
70)	m,p-XYLENE	15.29	106	63704	11.38 PPb		87
71)	o-XYLENE	15.74	106	31535	5.59 PPb		83
72)	STYRENE	15.76	104	43844	5.12 PPb		93
73)	BROMOFORM	16.06	173	14859	4.46 PPb		99
74)	ISOPROPYLBENZENE	16.10	105	77828	5.79 PPb		96
75)	BROMOBENZENE	16.55	156	25925	5.41 PPb		90
76)	1,1,2,2-TETRACHLOROETHANE	16.44	83	23694	5.03 PPb		92
77)	TRANS-1,4-DICHLORO-2-BUTEN	16.49	53	7099	4.25 PPb		96
78)	1,2,3-TRICHLOROPROPANE	16.53	110	5151	4.85 PPb	#	74
79)	n-PROPYLBENZENE	16.54	91	104410	5.70 PPb		97
80)	O-CHLOROTOLUENE	16.71	91	73606	5.41 PPb		99
81)	1,3,5-TRIMETHYLBENZENE	16.69	105	78937	5.62 PPb		95
82)	P-CHLOROTOLUENE	16.82	91	65337	5.37 PPb		96
83)	tert-BUTYLBENZENE	17.07	119	78600	6.55 PPb		90
84)	1,2,4-TRIMETHYLBENZENE	17.12	105	80538	5.47 PPb		94
85)	PENTACHLOROETHANE	17.18	167	17886	5.22 PPb		92
86)	sec-BUTYLBENZENE	17.30	105	104984	5.87 PPb		98
87)	p-ISOPROPYLTOLUENE	17.42	119	96635	5.86 PPb		97
88)	M-DICHLOROBENZENE	17.53	146	50748	5.44 PPb		96
89)	P-DICHLOROBENZENE	17.62	146	51909	5.23 PPb		99
90)	n-BUTYLBENZENE	17.88	91	92370	5.77 PPb		98
91)	O-DICHLOROBENZENE	18.05	146	52205	5.30 PPb		96
92)	HEXACHLOROETHANE	18.33	201	13713	5.76 PPb		91
93)	1,2-DIBROMO-3-CHLOROPROPAN	18.91	155	5210	5.09 PPb		88
94)	NITROBENZENE	19.15	77	23392	33.91 PPb		94

(#) = qualifier out of range (m) = manual integration
3B41603.D M3B1914.M Fri Jan 02 16:14:00 2009 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHLN\1\DATA\3B41603.D Vial: 29
Acq On : 1 Jan 2009 12:0[illegible] am Operator: mohui
Sample : ja8970-3msd Inst : MS3B
Misc : MS74608,M3B1914,M,,,,1 Multiplr: 1.00
MS Integration Param: rteint.p
Quant Time: Jan 01 00:35:27 2009 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHFM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95)	1,2,4-TRICHLOROBENZENE	19.83	180	47511	5.42	PPb	99
96)	HEXACHLOROBUTADIENE	19.94	225	28209	5.68	PPb	93
97)	NAPHTHALENE	20.17	128	101558	5.28	PPb	99
98)	1,2,3-TRICHLOROBENZENE	20.47	180	45267	5.32	PPb	95

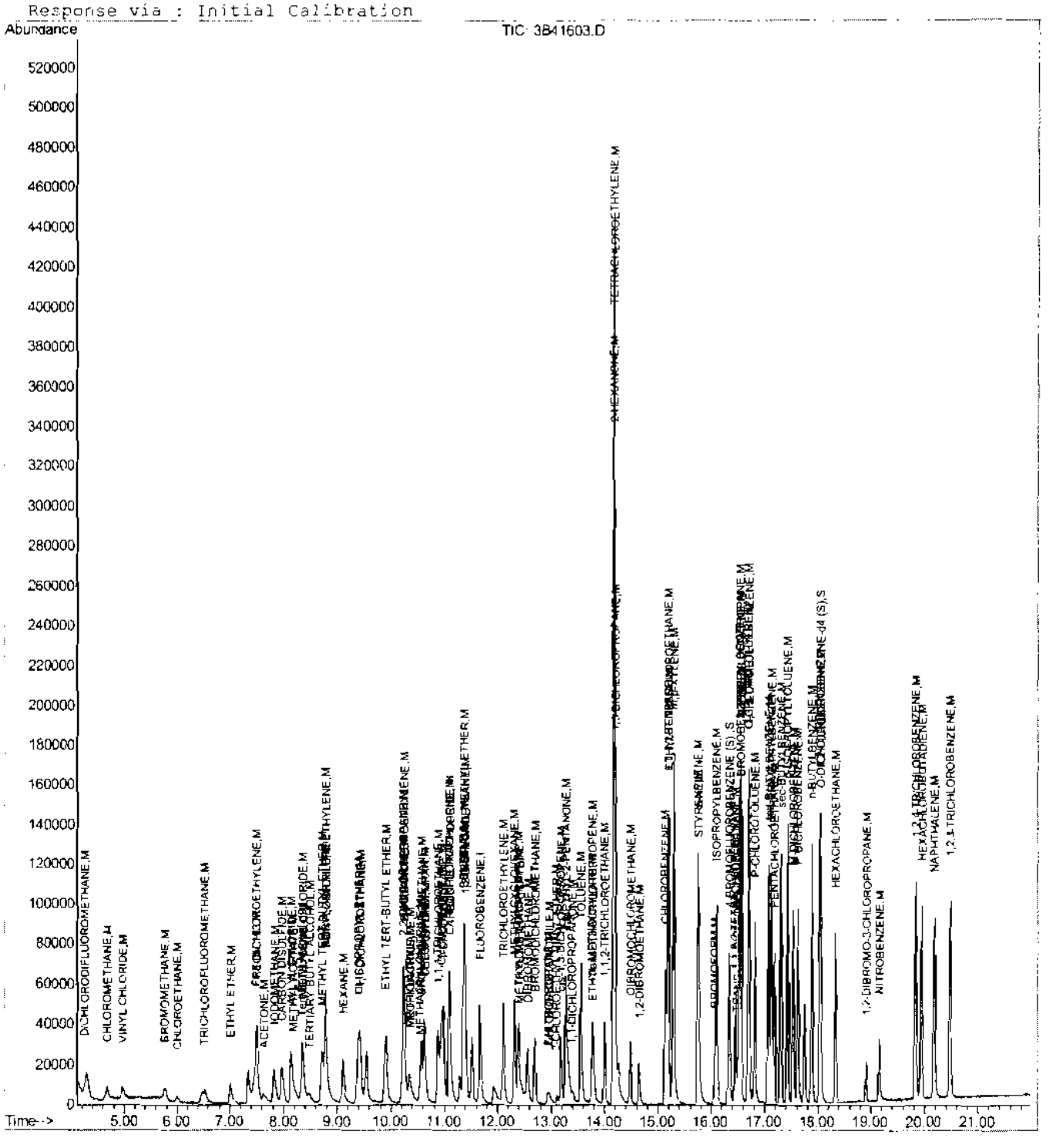
6.4.2

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3B41603.D M3B1914.M Fri Jan 02 16:14:00 2009 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41603.D Vial: 29
Acq On : 1 Jan 2009 12:08 am Operator: mohui
Sample : ja8970-3msd Inst : MS3B
Misc : MS74608,V3B1917,W,,,,1 Multipl: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 2 16:13 2009 Quant Results File: M3B1914.RES

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Fri Jan 02 10:20:06 2009
Response via : Initial Calibration

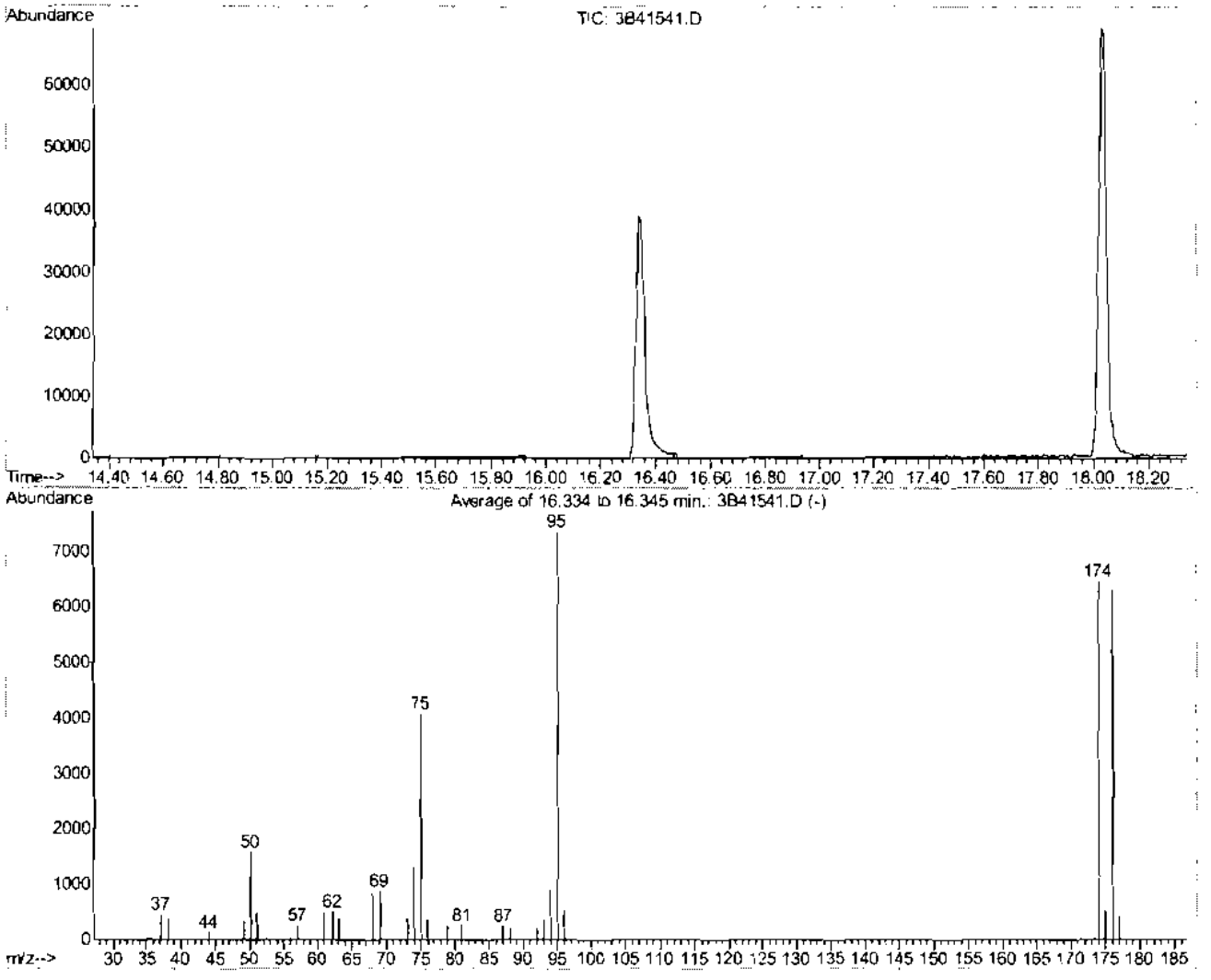


3B41603.D M3B1914.M Fri Jan 02 16:14:02 2009 MS3B Page 4

BFB

Data File : C:\MSDCHEM\1\DATA\3B41541.D
Acq On : 30 Dec 2008 8:42 am
Sample : BFB
Misc : MS74479,V3B1914,W,,,,1
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524

Vial: 1
Operator: mchui
Inst : MS3B
Multiplr: 1.00



AutoFind: Scans 2343, 2344, 2345; Background Corrected with Scan 2335

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.4	1579	PASS
75	95	30	80	55.4	4086	PASS
95	95	100	100	100.0	7374	PASS
96	95	5	9	7.3	538	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	87.9	6482	PASS
175	174	5	9	8.1	527	PASS
176	174	95	101	97.7	6333	PASS
177	176	5	9	6.5	409	PASS

3B41541.D M3B1914.M Wed Dec 31 09:03:52 2008 MS3B

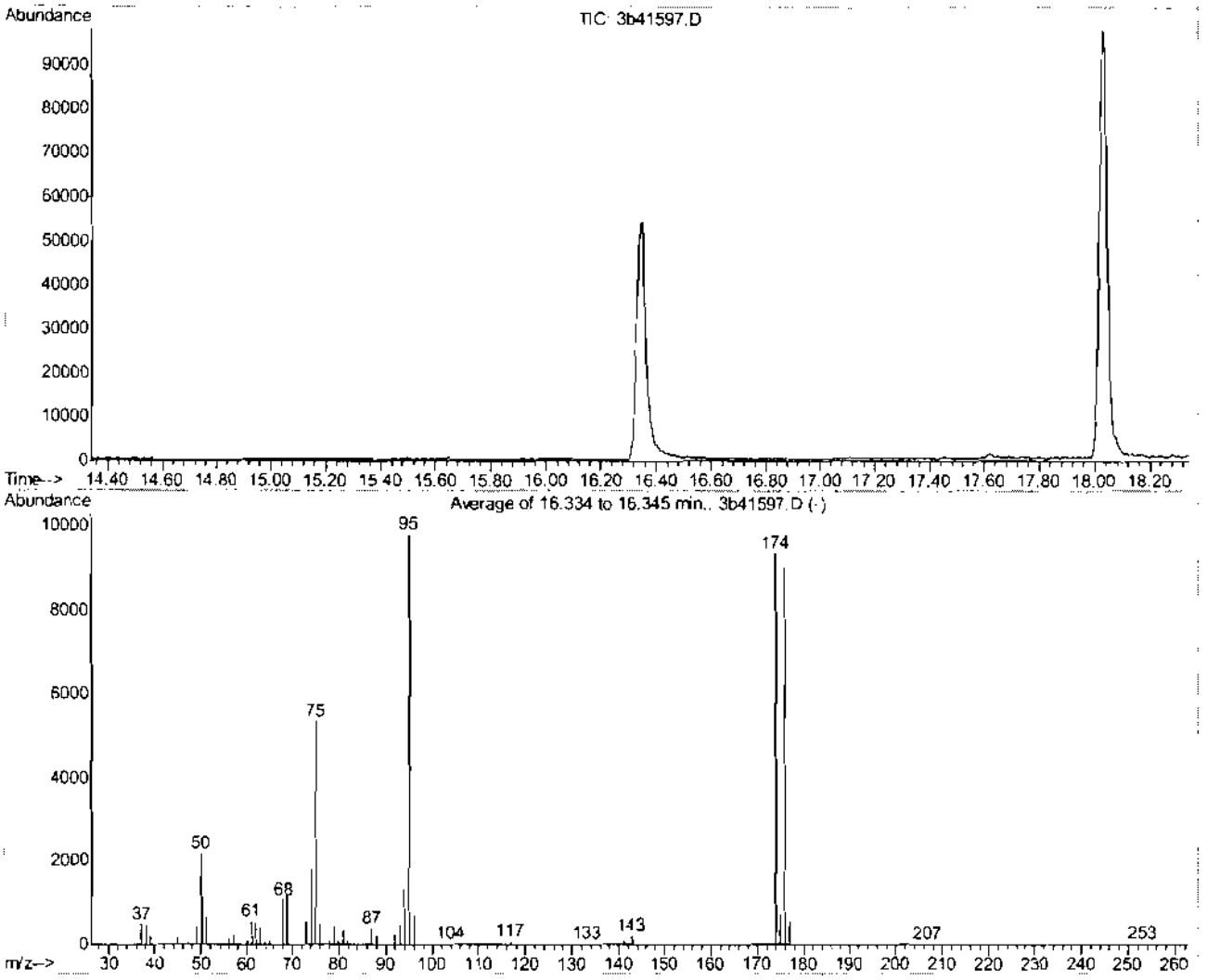
Average of 16.334 to 16.345 min.: 3B41541.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.10	454	68.00	842	93.00	382		
38.10	307	69.10	887	94.00	915		
44.00	128	73.05	394	95.05	7374		
49.10	333	74.05	1318	96.05	538		
50.10	1579	75.05	4086	173.95	6482		
51.10	496	76.05	357	174.95	527		
56.00	59	78.95	269	175.95	6333		
57.05	255	80.95	264	176.95	409		
61.00	490	86.95	264				
62.10	503	87.95	236				
63.05	390	92.05	199				

BFB

Data File : C:\MSDCHEM\1\DATA\3b41597.D
Acq On : 31 Dec 2008 8:53 pm
Sample : bfb
Misc : MS74611,V3B1917,W,,,,1
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524

Vial: 23
Operator: mohui
Inst : MS3B
Multiplr: 1.00



AutoFind: Scans 2343, 2344, 2345; Background Corrected with Scan 2335

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	2196	PASS
75	95	30	80	54.7	5371	PASS
95	95	100	100	100.0	9814	PASS
96	95	5	9	7.3	719	PASS
173	174	0.00	2	0.4	36	PASS
174	95	50	120	95.5	9370	PASS
175	174	5	9	8.0	745	PASS
176	174	95	101	96.4	9031	PASS
177	176	5	9	6.4	578	PASS

3b41597.D M3B1914.M Fri Jan 02 16:11:14 2009 MS3B

Average of 16.334 to 16.345 min.: 3b41597.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.30	31	56.00	159	69.00	1229	81.95	65
37.10	495	57.05	220	70.00	35	86.95	388
38.10	455	60.00	100	73.00	557	88.00	197
39.15	200	61.05	553	74.05	1848	92.00	256
45.05	142	62.05	510	75.05	5371	93.05	488
47.20	49	62.95	393	76.05	500	94.05	1334
48.10	38	63.90	30	78.05	66	95.05	9814
49.05	449	64.10	43	78.95	427	96.10	719
50.10	2196	65.05	110	79.90	67	104.00	38
51.05	676	66.90	31	80.10	28	116.85	85
51.90	29	68.05	1071	80.95	356	118.10	30

Average of 16.334 to 16.345 min.: 3b41597.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
118.90	31	176.95	578				
128.10	27	206.95	9				
153.20	30	253.00	45				
137.00	27						
141.00	135						
142.85	209						
172.20	27						
172.90	36						
173.95	9370						
174.90	745						
175.90	9031						

6.5.2

6

Manual Integrations APPROVED (compounds with "m" flag)
Mei Chen
12/31/08 12:51

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mohui
Sample : IC1914-0.5 Inst : MS3B
Misc : MS7444,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 10:31:24 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 07:49:08 2008
Response via : Initial Calibration
DataAcq Meth : M3B.914

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.34	65	19382	50.00	PPB		0.00
3) FLUOROBENZENE	11.67	96	54339	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.34	95	22008	4.74	PPb		0.00
Spiked Amount 5.000	Range 71 - 123		Recovery = 94.80%				
5) 1,2-DICHLOROBENZENE-d4 (S)	18.03	152	29874	4.82	PPb		0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 96.40%				
Target Compounds							Qvalue
6) DICHLORODIFLUOROMETHANE	4.27	85	2084	0.73	PPb		76
7) CHLOROMETHANE	4.70	50	2916	0.93	PPb		74
8) VINYL CHLORIDE	4.97	62	1839	0.67	PPb		81
9) BROMOMETHANE	5.77	94	1749	0.68	PPb	#	55
10) CHLOROETHANE	6.03	64	1098	0.61	PPb		49
11) TRICHLOROFLUOROMETHANE	6.53	101	3370m	0.91	PPb		
12) ETHYL ETHER	7.04	45	564m	0.43	PPb		
14) 1,1-DICHLOROETHYLENE	7.50	96	881m	0.38	PPb		
15) FREON 113	7.50	151	905m	0.47	PPb		
17) IODOMETHANE	7.84	142	2029	0.40	PPb		93
18) CARBON DISULFIDE	7.97	76	3408	0.44	PPb		94
20) ALLYL CHLORIDE	8.16	76	457	0.32	PPb	#	1
21) METHYLENE CHLORIDE	8.38	84	2285	0.71	PPb		83
22) ACRYLONITRILE	8.88	53	1601m	1.81	PPb		
23) METHYL TERT BUTYL ETHER	8.72	73	4026	0.47	PPb		77
24) trans-1,2-DICHLOROETHYLENE	8.79	61	1508	0.45	PPb		82
25) HEXANE	9.13	57	1190	0.51	PPb		75
26) 1,1-DICHLOROETHANE	9.42	63	2195	0.50	PPb		79
27) DI-ISOPROPYL ETHER	9.40	45	3050	0.41	PPb		90
28) ETHYL TERT-BUTYL ETHER	9.91	59	3756	0.43	PPb		95
30) 2,2-DICHLOROPROPANE	10.21	77	2539	0.61	PPb		81
31) cis-1,2-DICHLOROETHYLENE	10.27	61	2066	0.47	PPb		88
32) PROPIONITRILE	10.45	54	1137m	3.34	PPb		
34) METHACRYLONITRILE	10.63	41	542	0.51	PPb	#	13
35) BROMOCHLOROMETHANE	10.59	128	696	0.45	PPb	#	75
36) CHLOROFORM	10.64	83	2883	0.61	PPb		86
38) 1,1,1-TRICHLOROETHANE	10.89	97	2371	0.57	PPb		89
39) CYCLOHEXANE	10.96	84	1127	0.38	PPb	#	200
40) 1-CHLOROBUTANE	10.99	56	2982m	0.40	PPb		
41) 1,1-DICHLOROPROPENE	11.10	75	1280	0.42	PPb		86
42) CARBON TETRACHLORIDE	11.10	117	2376	0.69	PPb		84
43) 1,2-DICHLOROETHANE	11.41	62	2308	0.70	PPb		75
44) BENZENE	11.37	78	4463	0.42	PPb		90
45) TERT AMYL METHYL ETHER	11.38	73	3915	0.44	PPB	#	50
46) TRICHLOROETHYLENE	12.13	95	1216	0.47	PPb	#	71
47) METHYLCYCLOHEXANE	12.32	83	1561	0.42	PPb		88
49) 1,2-DICHLOROPROPANE	12.40	63	946	0.38	PPb		89
50) DIBROMOMETHANE	12.58	93	898	0.52	PPb	#	71
51) BROMODICHLOROMETHANE	12.70	83	1916	0.52	PPb		78
53) 2-NITROPROPANE	12.96	41	546	0.51	PPb		77

(#) = qualifier out of range (m) = manual integration
3B41543.D M3B1914.M Wed Dec 31 09:03:22 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mohui
Sample : IC1914-0.5 Inst : MS3B
Misc : MS34479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 10:31:24 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 07:49:08 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

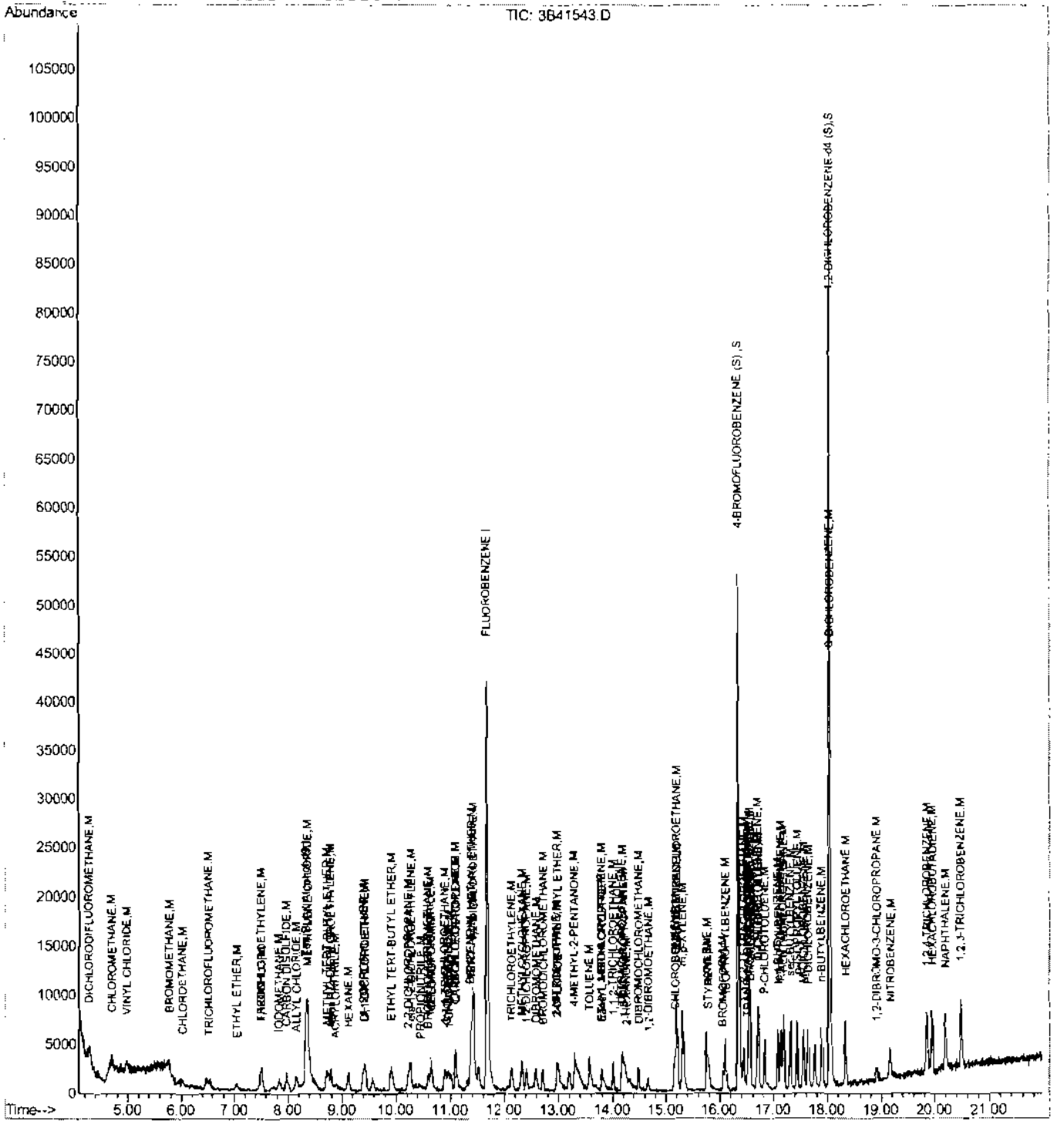
	Compound	R.T.	Qion	Response	Conc	Unit		Qvalue
54)	2-CHLOROETHYL VINYL ETHER	12.98	63	2642	1.54	PPb		89
56)	4-METHYL-2-PENTANONE	13.30	58	2916	1.96	PPb		79
58)	TOLUENE	13.57	92	2612	0.38	PPb		91
59)	trans-1,3-DICHLOROPROPENE	13.80	75	1991	0.50	PPb		88
60)	ETHYL METHACRYLATE	13.80	69	853	0.28	PPb		80
61)	1,1,2-TRICHLOROETHANE	14.01	83	838	0.39	PPb	#	73
62)	1,3-DICHLOROPROPANE	14.22	76	2784	0.43	PPb		89
63)	2-HEXANONE	14.25	58	1553m	1.72	PPb		
64)	TETRACHLOROETHYLENE	14.18	166	1402	0.42	PPb		91
65)	DIBROMOCHLOROMETHANE	14.49	129	1633	0.50	PPb		95
66)	1,2-DIBROMOETHANE	14.66	107	1191	0.42	PPb		70
67)	CHLOROBENZENE	15.16	112	3354	0.41	PPb		96
68)	1,1,1,2-TETRACHLOROETHANE	15.20	131	1651	0.51	PPb		93
69)	ETHYLBENZENE	15.29	91	4734	0.36	PPb		93
70)	m,p-XYLENE	15.30	106	3774	0.70	PPb		100
71)	o-XYLENE	15.76	106	1879	0.34	PPb		86
72)	STYRENE	15.78	104	2332	0.26	PPb		91
73)	BROMOFORM	16.06	173	1429	0.53	PPb		85
74)	ISOPROPYLBENZENE	16.10	105	4423	0.36	PPb		88
75)	BROMOBENZENE	16.57	156	1706	0.38	PPb	#	70
76)	1,1,2,2-TETRACHLOROETHANE	16.44	83	2245	0.52	PPb		74
77)	TRANS-1,4-DICHLORO-2-BUTEN	16.51	53	420	0.35	PPb	#	50
78)	1,2,3-TRICHLOROPROPANE	16.53	110	855	0.69	PPb	#	34
79)	n-PROPYLBENZENE	16.55	91	6599	0.40	PPb		97
80)	O-CHLOROTOLUENE	16.72	91	5133	0.43	PPb		93
81)	1,3,5-TRIMETHYLBENZENE	16.78	105	4725	0.37	PPb		95
82)	P-CHLOROTOLUENE	16.83	91	4837	0.44	PPb		92
83)	tert-BUTYLBENZENE	17.07	119	3809	0.34	PPb		95
84)	1,2,4-TRIMETHYLBENZENE	17.12	105	4701	0.34	PPb		89
85)	PENTACHLOROETHANE	17.18	167	1541	0.56	PPb		93
86)	sec-BUTYLBENZENE	17.30	105	5813	0.36	PPb		92
87)	p-ISOPROPYLTOLUENE	17.43	119	5354	0.35	PPb		88
88)	M-DICHLOROBENZENE	17.54	146	3689	0.42	PPb		93
89)	P-DICHLOROBENZENE	17.63	146	3678	0.39	PPb		90
90)	n-BUTYLBENZENE	17.88	91	5386	0.38	PPb		81
91)	O-DICHLOROBENZENE	18.06	146	4009	0.45	PPb		94
92)	HEXACHLOROETHANE	18.33	201	1212	0.42	PPb		87
93)	1,2-DIBROMO-3-CHLOROPROPAN	18.91	155	407	0.51	PPb	#	78
94)	NITROBENZENE	19.16	77	2489	6.74	PPb		85
95)	1,2,4-TRICHLOROBENZENE	19.83	180	3246	0.44	PPb		95
96)	HEXACHLOROBUTADIENE	19.95	225	1908	0.56	PPb		87
97)	NAPHTHALENE	20.19	128	7289	0.43	PPb		95
98)	1,2,3-TRICHLOROBENZENE	20.47	180	3313	0.47	PPb		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3B41543.D M3B1914.M Wed Dec 31 09:03:23 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mchui
Sample : IC1914-0.5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 14:29 2008 Quant Results File: M3B1914.RES

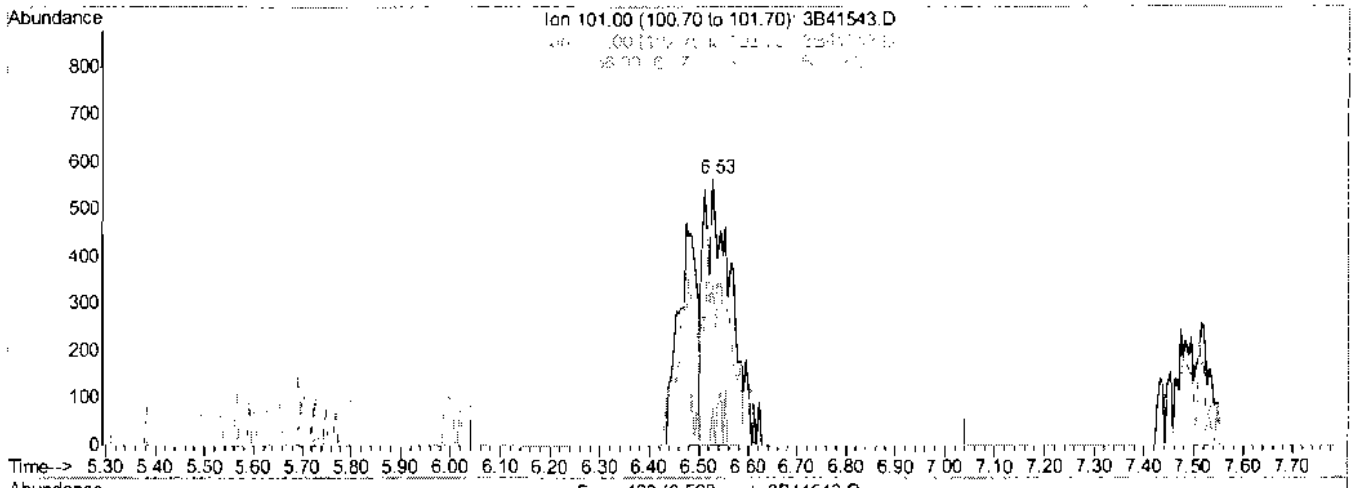
Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration

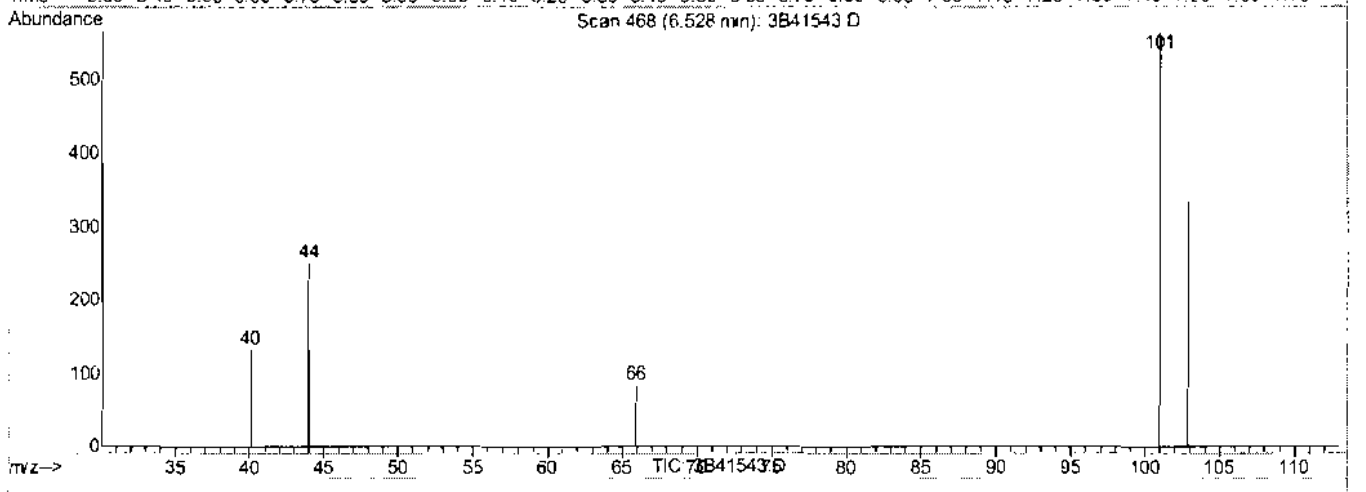


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mohui
Sample : IC1914-0.5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:15 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:13:54 2008
Response via : Multiple Level Calibration





(11) TRICHLOROFLUOROMETHANE (M)

6.53min 0.56PPb

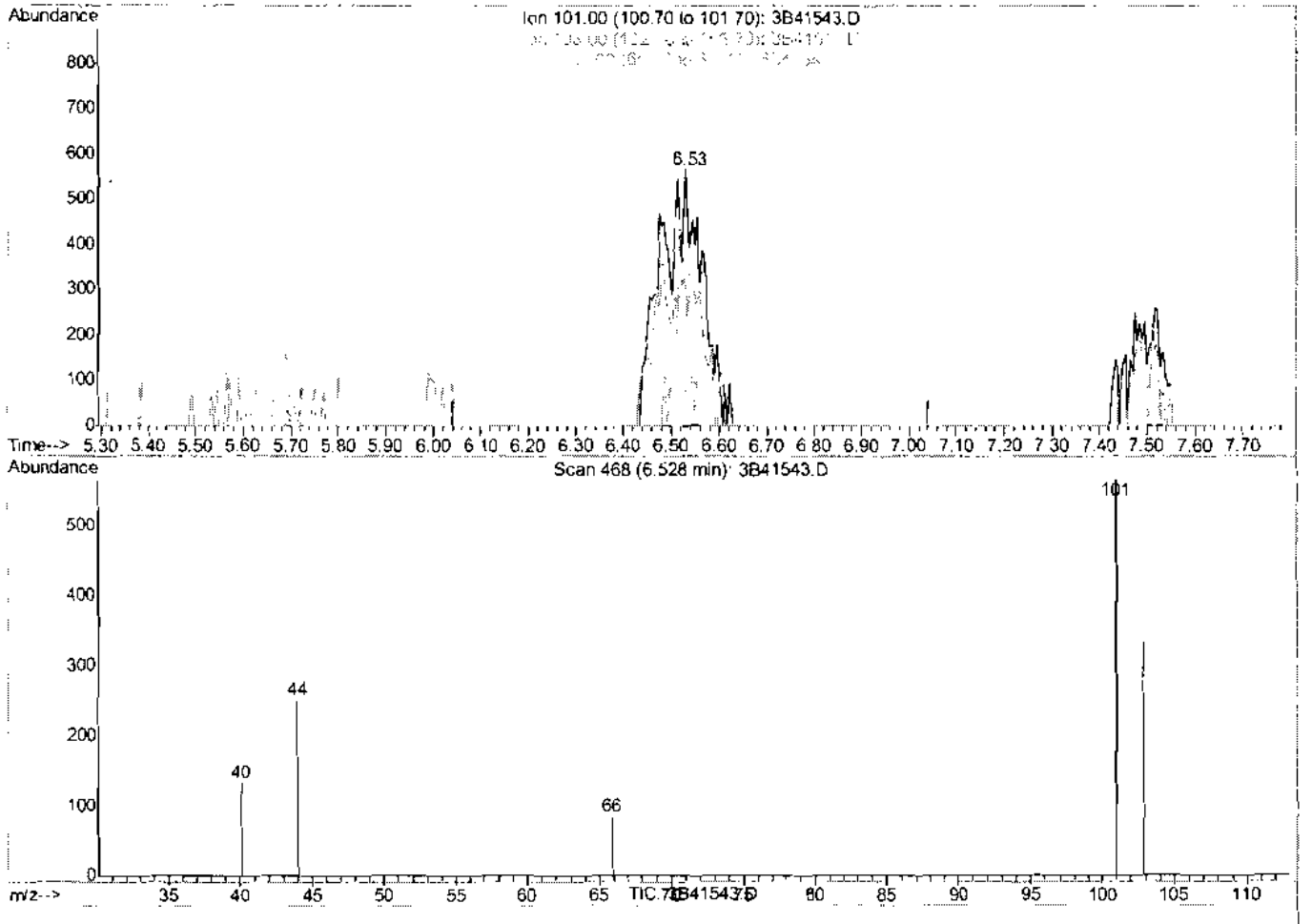
response 2071

Ion	Exp%	Act%
101.00	100	100
103.00	63.80	36.30
66.00	9.70	19.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mohui
Sample : IC1914-0.5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:16 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:13:54 2008
Response via : Multiple Level Calibration



(11) TRICHLOROFLUOROMETHANE (M)

6.53min 0.91PPb m

response 3370

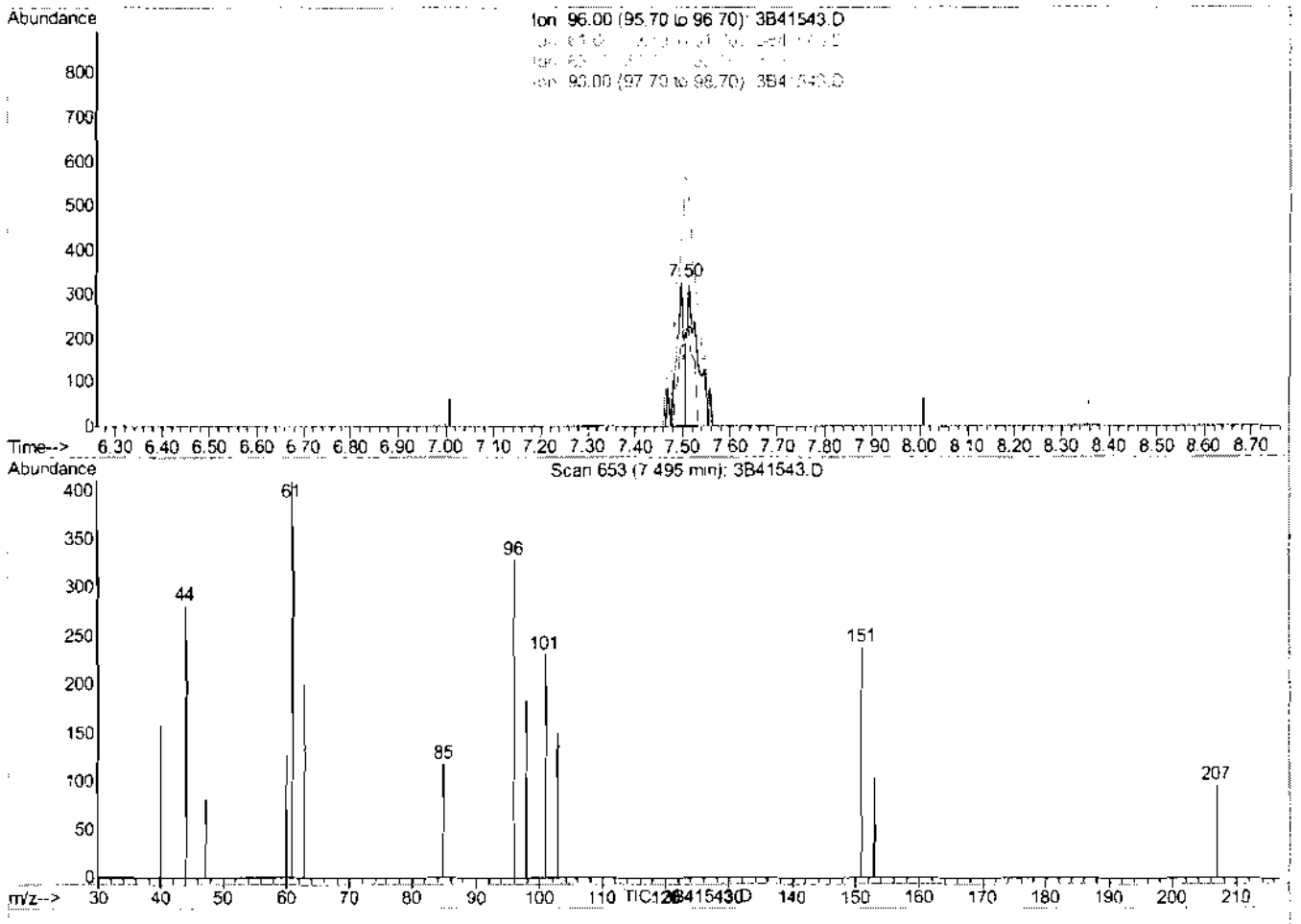
Ion	Exp%	Act%
101.00	100	100
103.00	63.80	59.12
66.00	9.70	14.87
0.00	0.00	0.00

3B41543.D M3B1914.M Tue Dec 30 12:16:10 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mohui
Sample : IC1914-0.5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:16 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:13:54 2008
Response via : Multiple Level Calibration



(14) 1,1-DICHLOROETHYLENE (M)

7.50min 0.17PPb

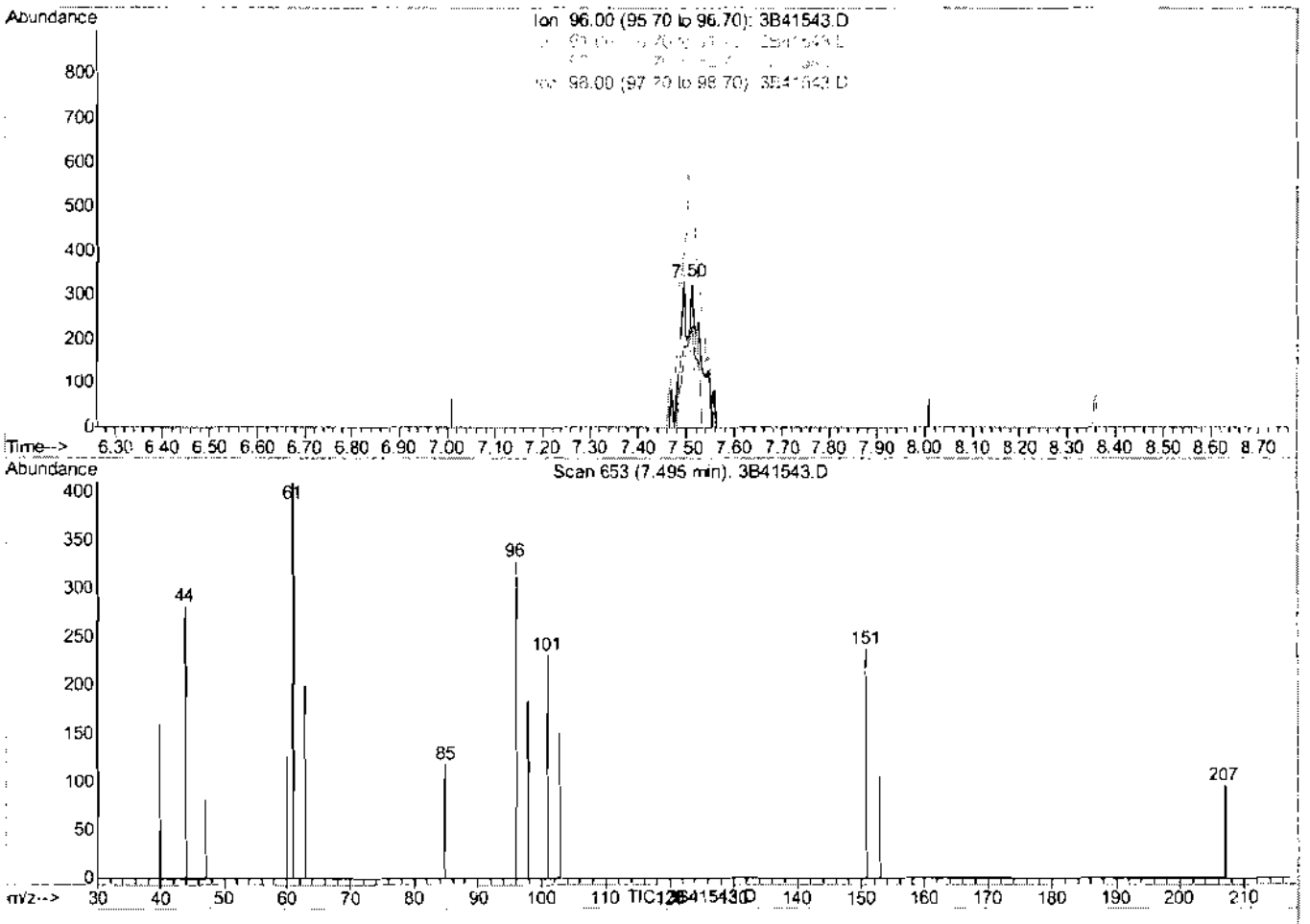
response 385

Ion	Exp%	Act%
96.00	100	100
61.00	152.40	51.51#
63.00	46.20	42.89
98.00	62.90	39.44#

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: monui
Sample : IC1914-0.5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:16 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:13:54 2008
Response via : Multiple Level Calibration



(14) 1,1-DICHLOROETHYLENE (M)

7.50min 0.38PPb m

response 881

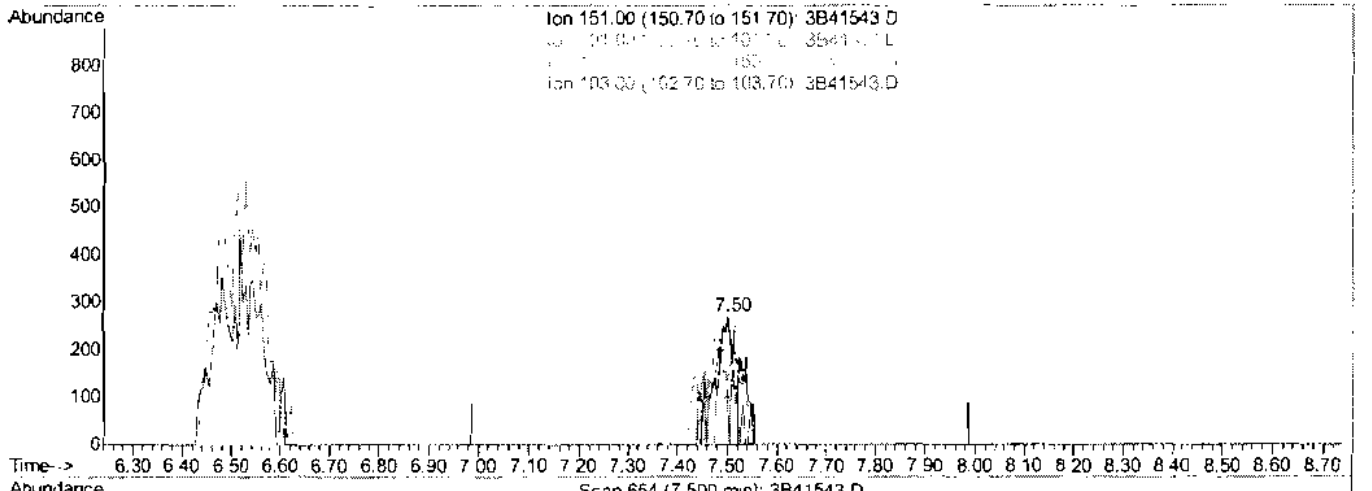
Ion	Exp%	Act%
96.00	100	100
61.00	152.40	124.70
63.00	46.20	60.98#
98.00	62.90	55.79

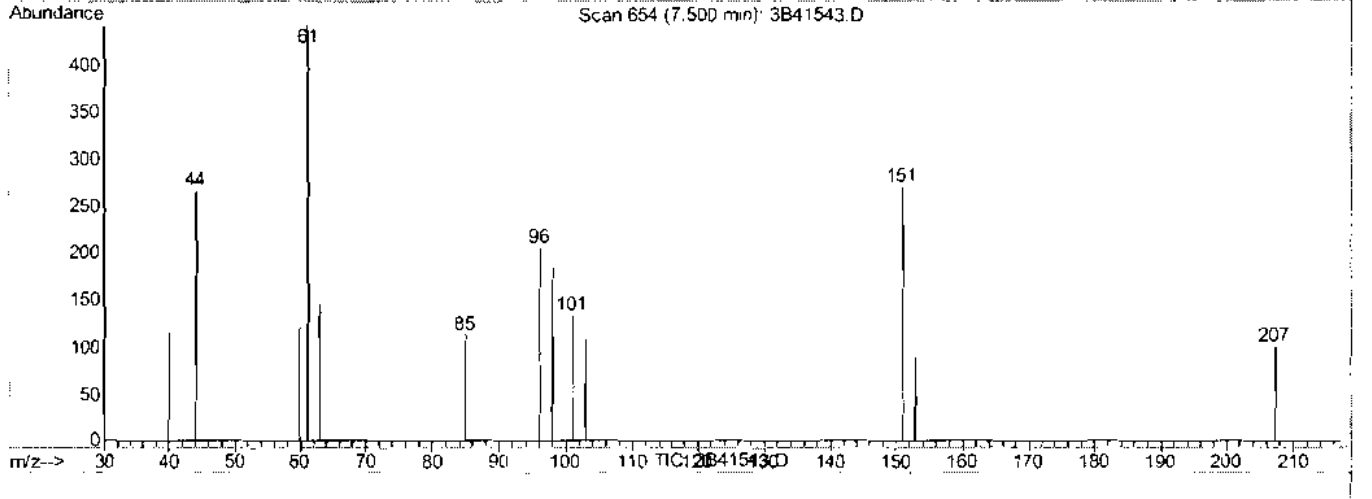
3B41543.D M3B1914.M Tue Dec 30 12:16:56 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mshui
Sample : TC1914-0.5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 MultiPlr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:16 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:13:54 2008
Response via : Multiple Level Calibration





(15) FREON 113 (M)

7.50min 0.32PPb

response 619

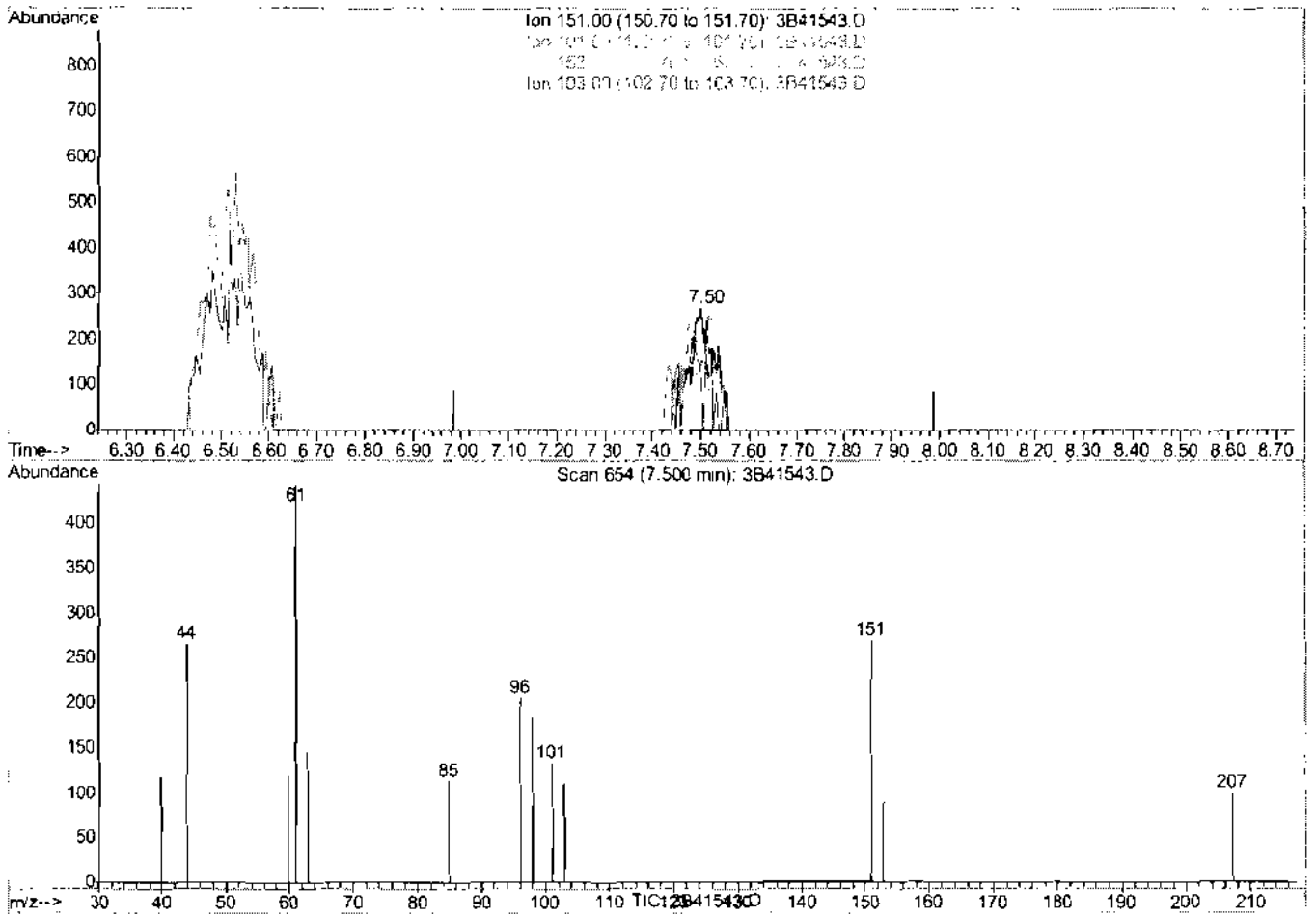
Ion	Exp%	Act%
151.00	100	100
101.00	108.80	3.57#
153.00	61.30	0.00#
103.00	68.10	8.81#

3B41543.D M3B1914.M Tue Dec 30 12:17:02 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mohui
Sample : IC1914-0.5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:17 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:13:54 2008
Response via : Multiple Level Calibration



(15) FREON 113 (M)

7.50min 0.47PPb m

response 903

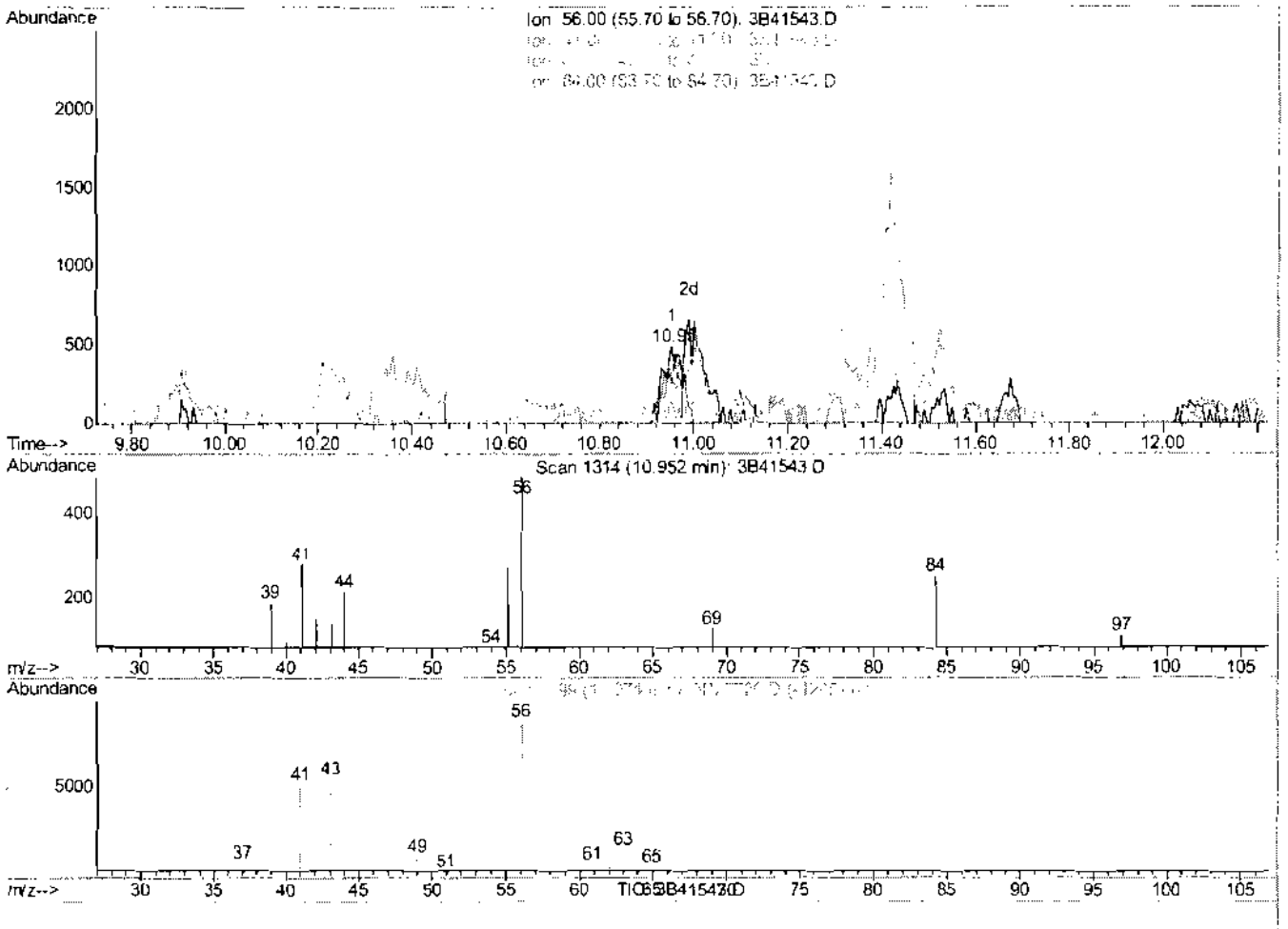
Ion	Exp%	Act%
151.00	100	100
101.00	108.80	49.63#
153.00	61.30	32.96#
103.00	68.10	40.37#

3B41543.D M3B1914.M Tue Dec 30 12:17:07 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mohui
Sample : IC1914-0.5 Inst : MS3B
Misc : MC74479,V3B1914,W,,,,1 Multipir: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:18 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:13:54 2008
Response via : Multiple Level Calibration



(40) 1-CHLOROBUTANE (M)

10.95min 0.16PPb

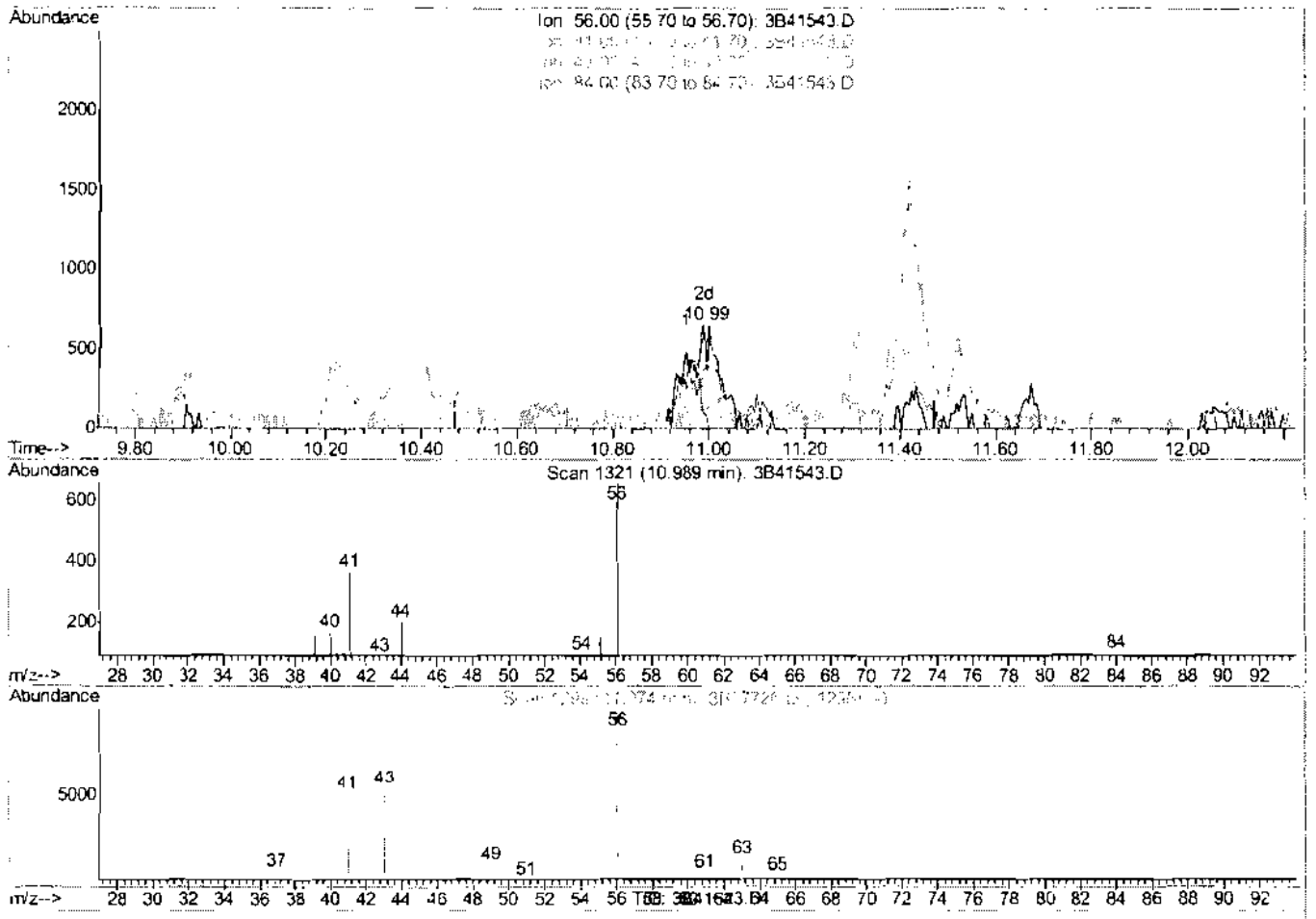
response 1168

Ion	Exp%	Act%
56.00	100	100
41.00	52.40	22.76
43.00	17.70	41.27
84.00	31.70	45.07

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mohui
Sample : TC1914-0.5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:19 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:13:54 2008
Response via : Multiple Level Calibration



(40) 1-CHLOROBUTANE (M)

10.99min 0.40PPb m

response 2982

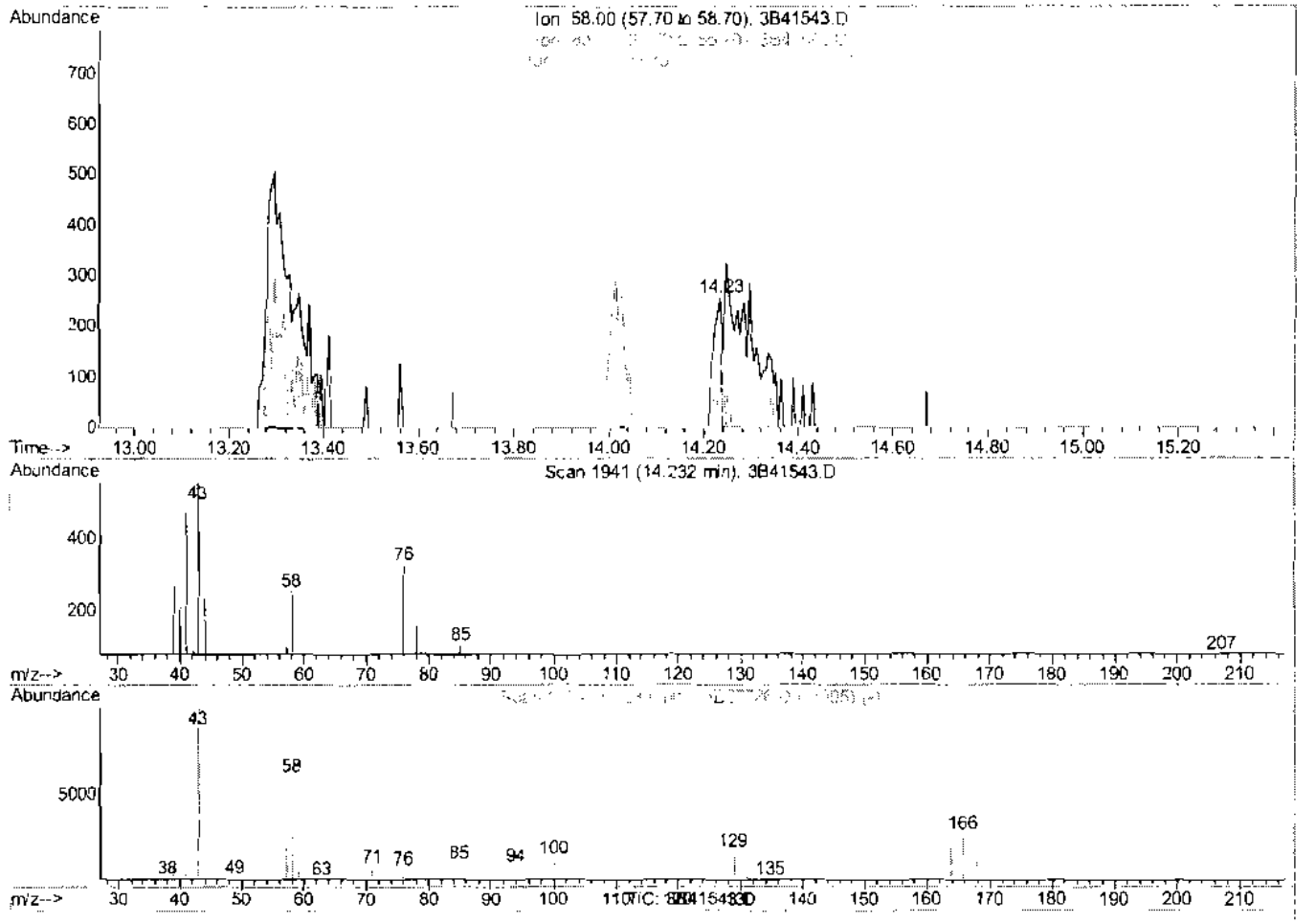
Ion	Exp%	Act%
56.00	100	100
41.00	52.40	55.62
43.00	17.70	13.68
84.00	31.70	14.89

3B41543.D M3B1914.M Tue Dec 30 12:19:13 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mohui
Sample : IC1914-0.5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:21 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:13:54 2008
Response via : Multiple Level Calibration



(63) 2-HEXANONE (M)

14.23min 0.33PPb

response 297

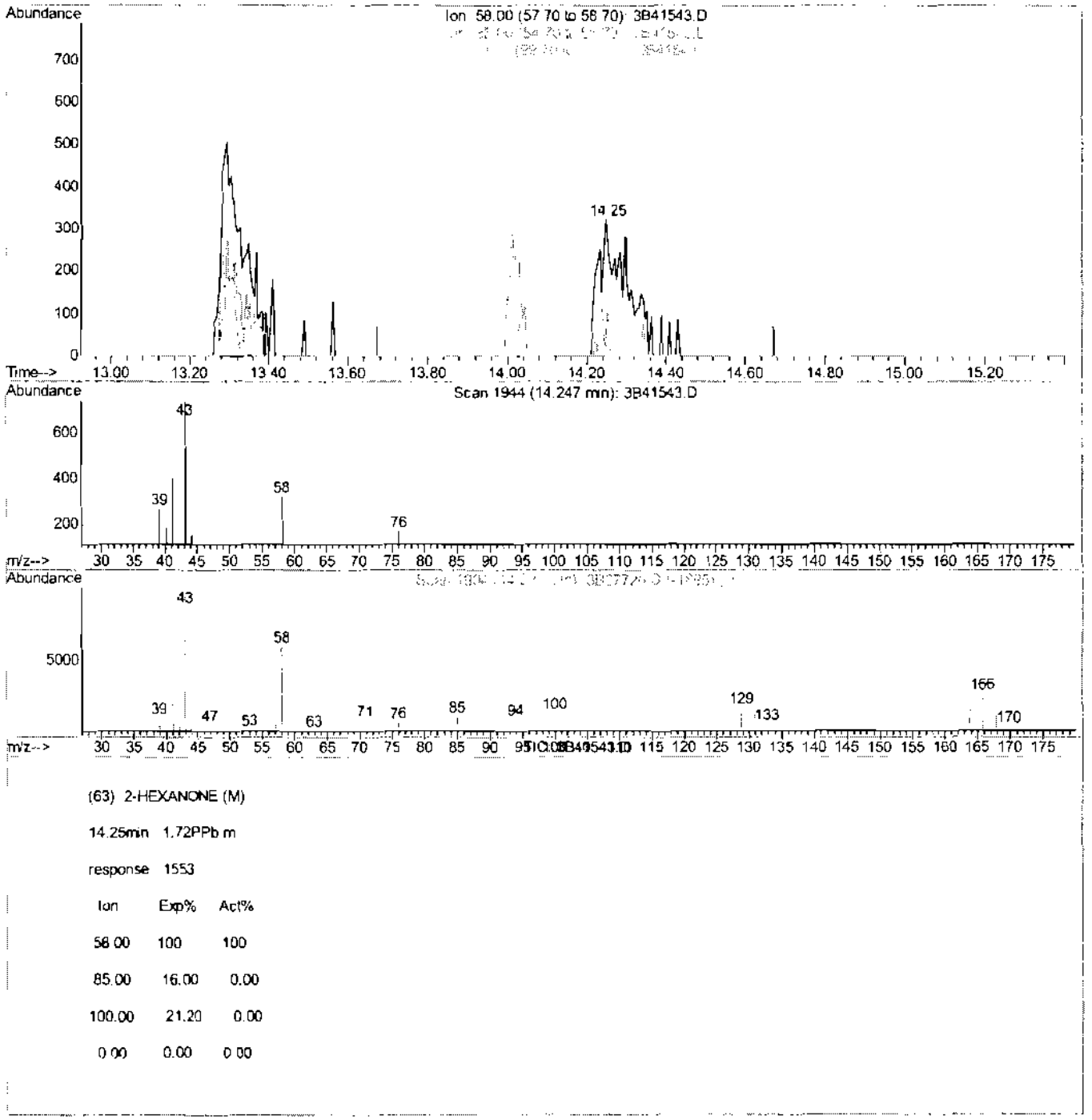
Ion	Exp%	Act%
58.00	100	100
85.00	16.00	25.14
100.00	21.20	0.00
0.00	0.00	0.00

3B41543.D M3B1914.M Tue Dec 30 12:21:26 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mohui
Sample : IC1914-0.5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:21 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:13:54 2008
Response via : Multiple Level Calibration



(63) 2-HEXANONE (M)

14.25min 1.72PPb m

response 1553

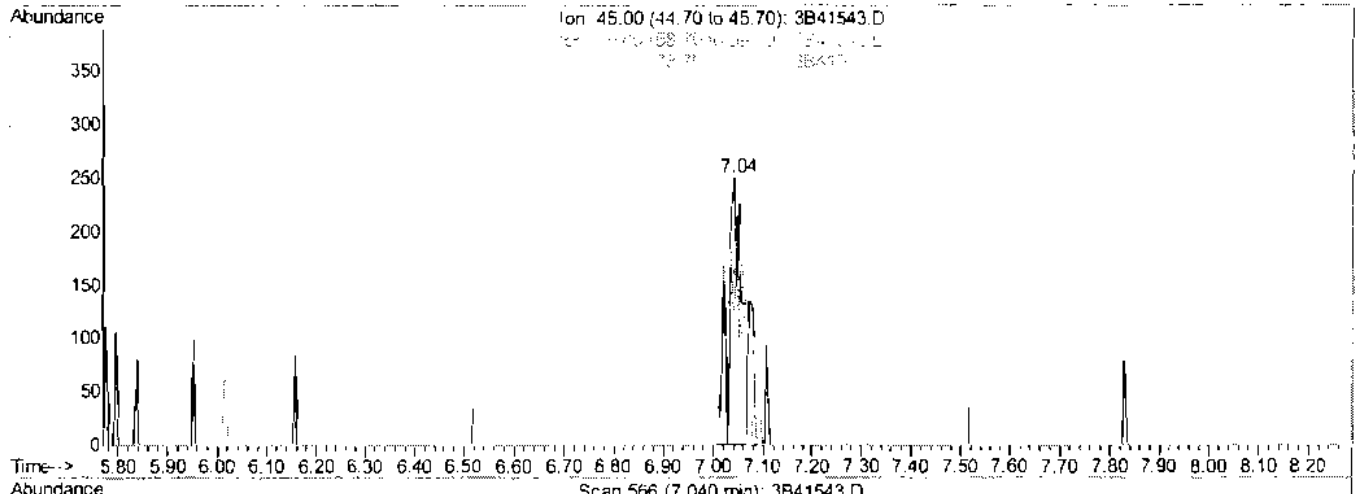
Ion	Exp%	Act%
58.00	100	100
85.00	16.00	0.00
100.00	21.20	0.00
0.00	0.00	0.00

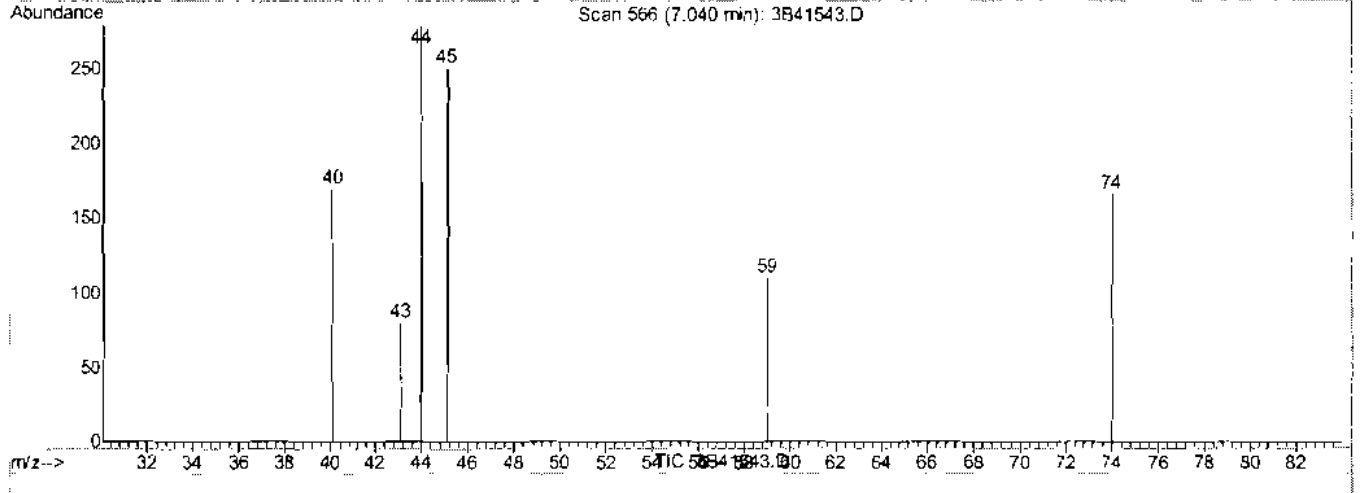
3B41543.D M3B1914.M Tue Dec 30 12:21:30 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mohui
Sample : IC1914-0.5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:31 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:33:04 2008
Response via : Multiple Level Calibration





(12) ETHYL ETHER (M)

7.04min 0.26PPb

response 346

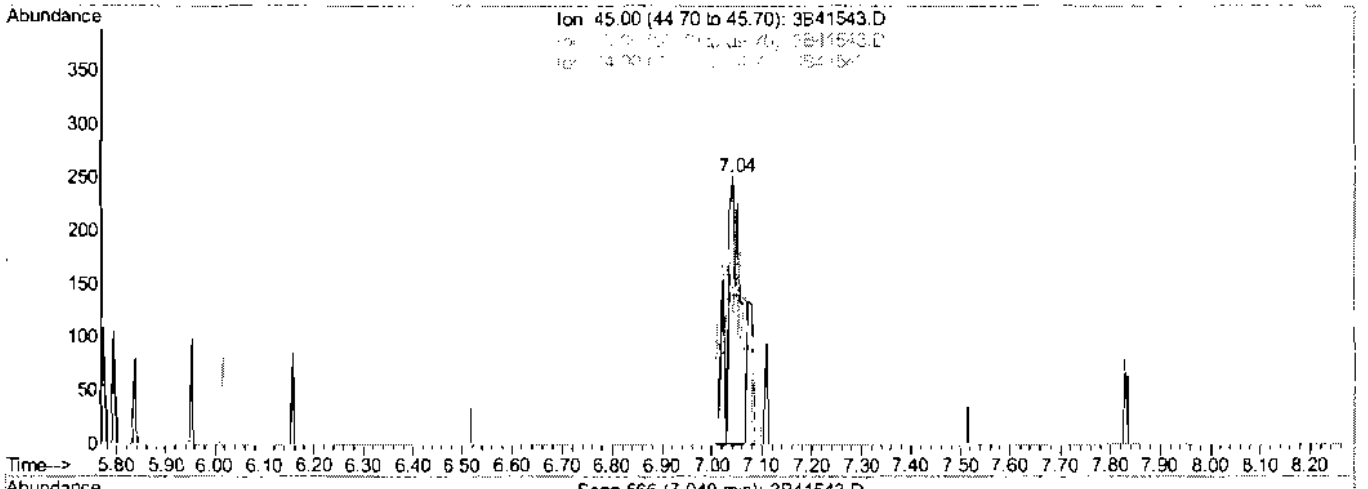
Ion	Exp%	Act%
45.00	100	100
59.00	144.80	0.00#
74.00	110.20	41.24#
0.00	0.00	0.00

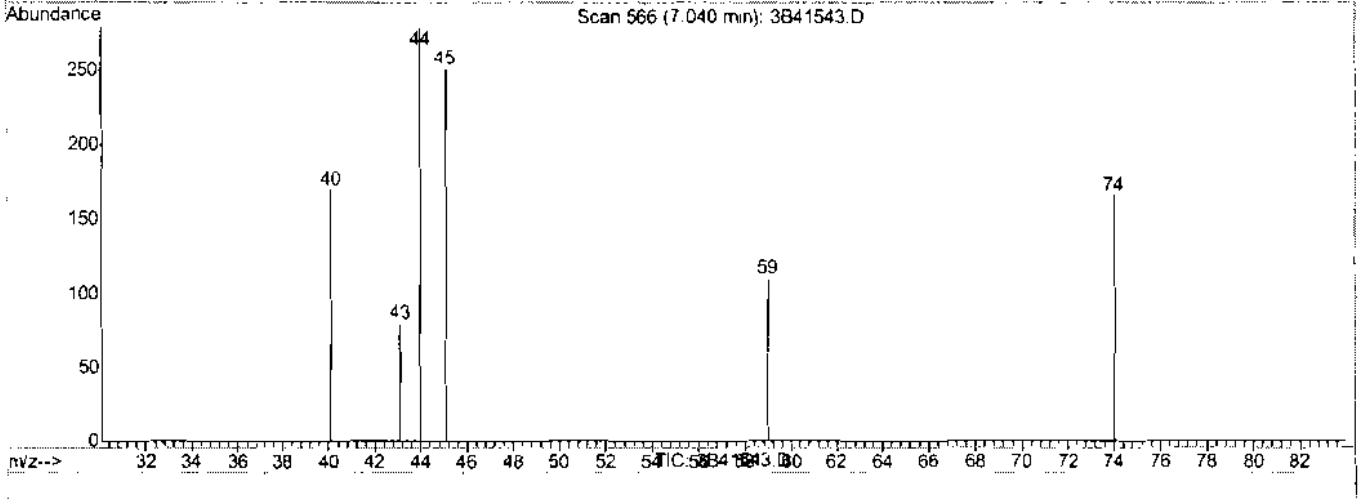
3B41543.D M3B1914.M Tue Dec 30 12:48:59 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mohui
Sample : IC1914-0.5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:49 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:33:04 2008
Response via : Multiple Level Calibration





(12) ETHYL ETHER (M)

7.04min 0.43PPb m

response 564

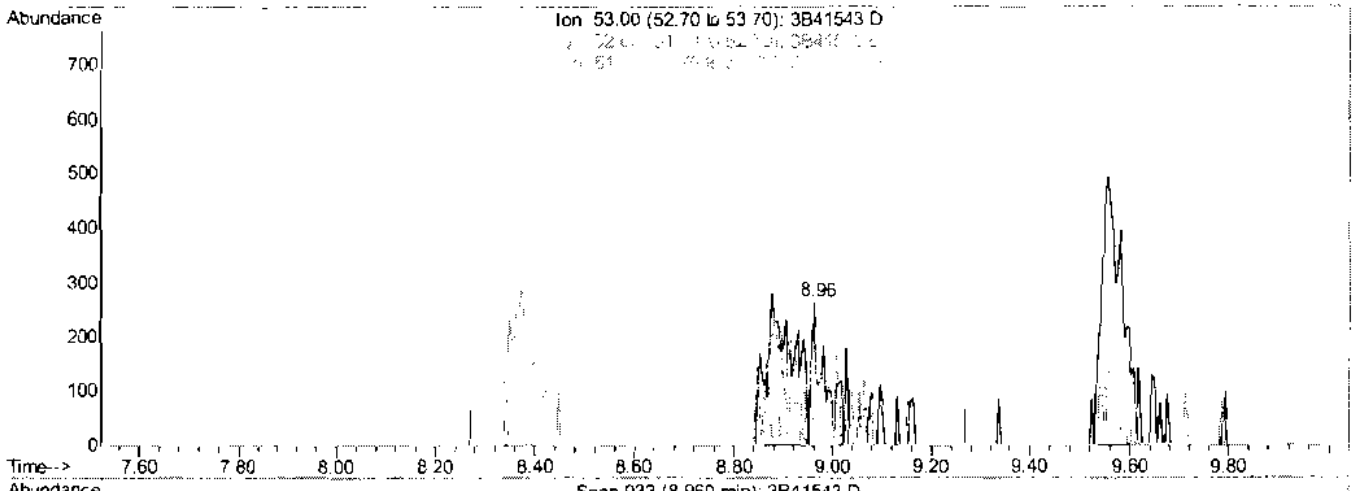
Ion	Exp%	Act%
45.00	100	100
59.00	144.80	43.82#
74.00	110.20	66.14#
0.00	0.00	0.00

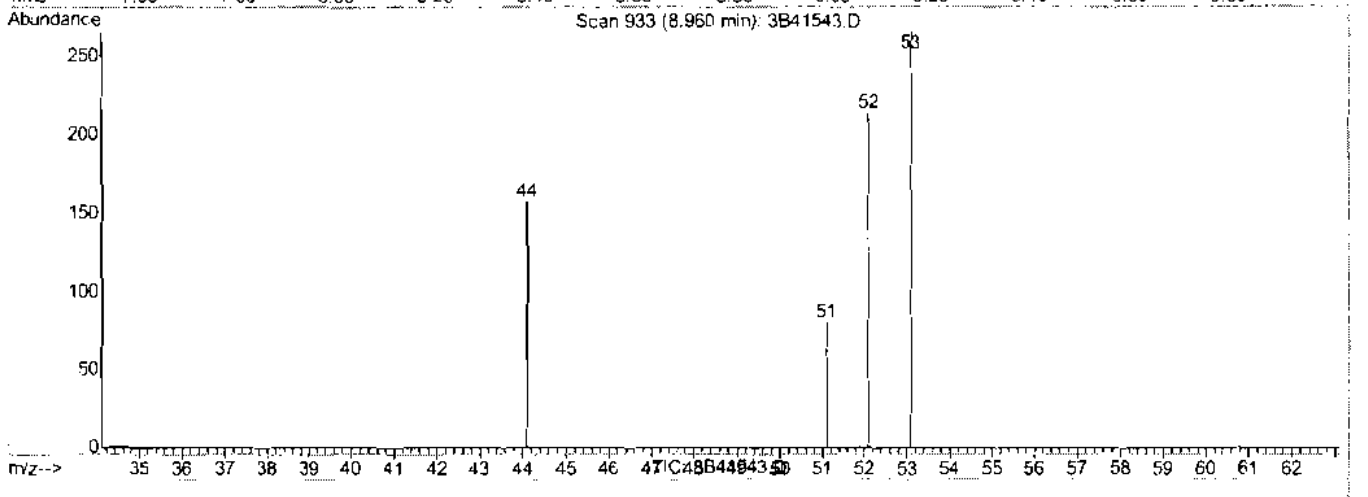
3B41543.D M3B1914.M Tue Dec 30 12:49:06 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mohci
Sample : IC1914-0.5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:55 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:33:04 2008
Response via : Multiple Level Calibration





(22) ACRYLONITRILE (M)

8.96min 0.43PPb

response 376

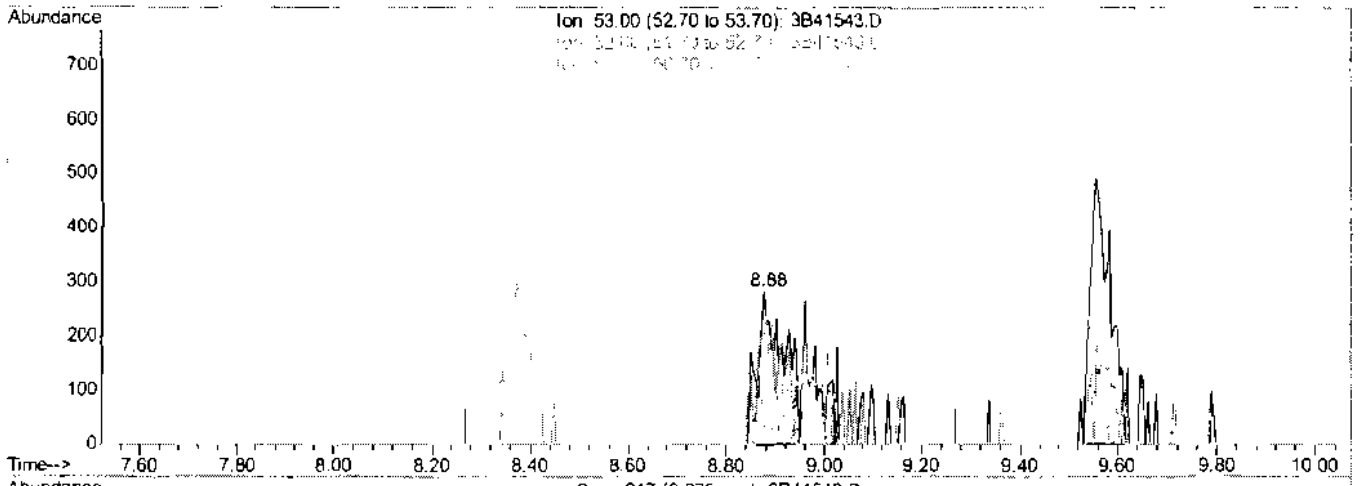
Ion	Exp%	Act%
53.00	100	100
52.00	84.10	64.34
51.00	35.90	30.19
0.00	0.00	0.00

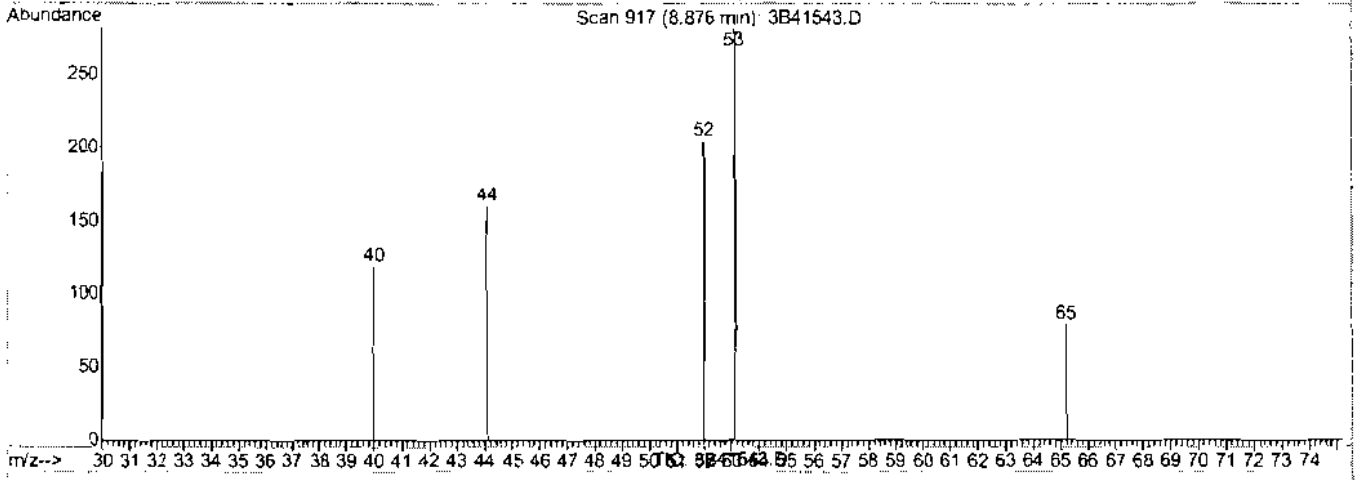
3B41543.D M3B1914.M Tue Dec 30 12:55:23 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mohui
Sample : IC1914-0.5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:55 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:33:04 2008
Response via : Multiple Level Calibration





(22) ACRYLONITRILE (M)

8.88min 1.81PPbm

response 1601

Ion	Exp%	Act%
53.00	100	100
52.00	84.10	72.60
51.00	35.90	0.00#
0.00	0.00	0.00

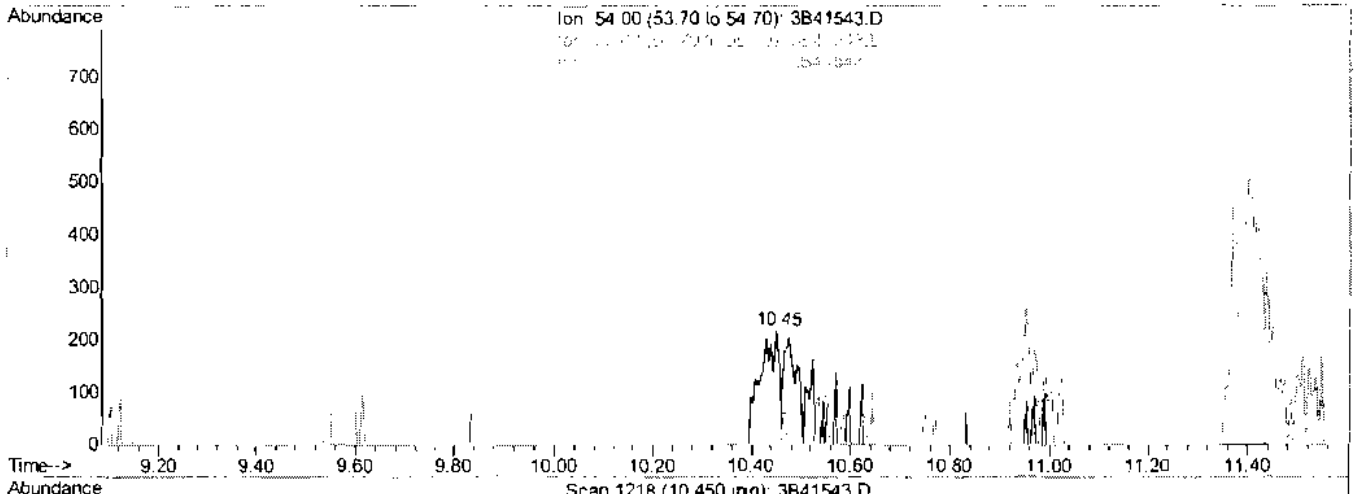
3B41543.D M3B1914.M Tue Dec 30 12:55:41 2008 MS3B

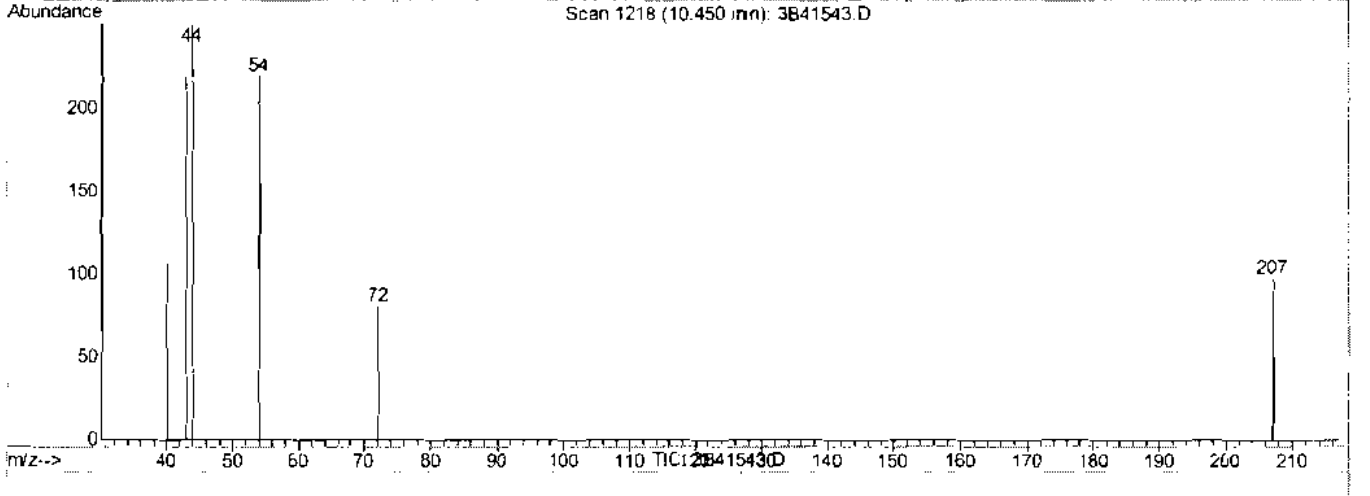
6.6.1.14

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mchui
Sample : IC1914-0.5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multipl: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:57 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 13:06:35 2008
Response via : Multiple Level Calibration





(32) PROPIONITRILE (M)

10.45mn 1.71PPb

response 581

Ion	Exp%	Act%
54.00	100	100
55.00	52.10	0.00#
52.00	18.50	0.00
0.00	0.00	0.00

3B41543.D M3B1914.M Tue Dec 30 13:07:22 2008 MS3B

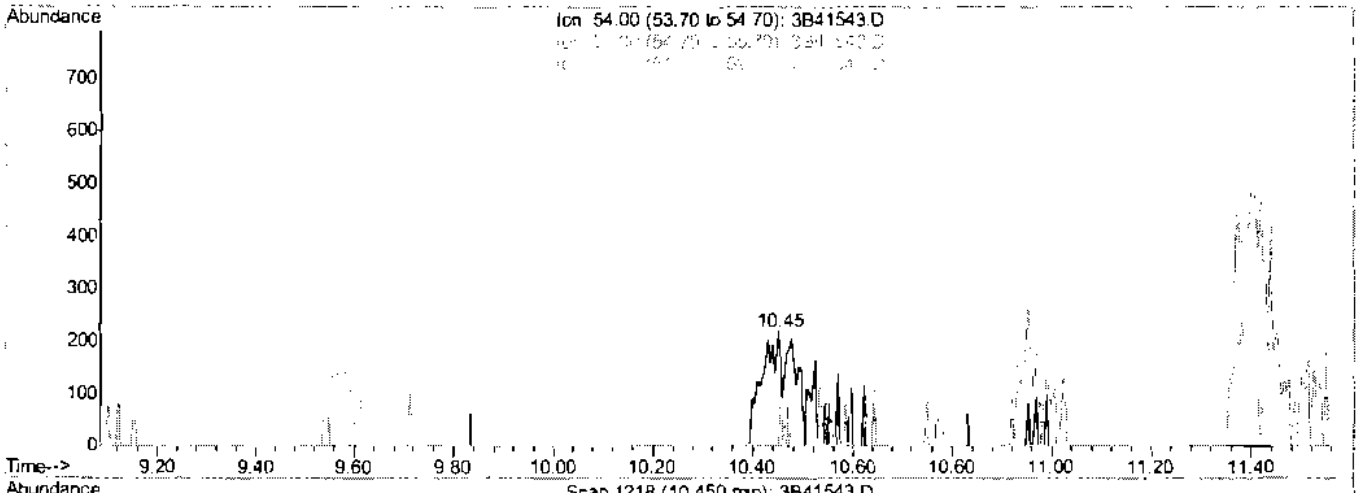
6.6.1.15

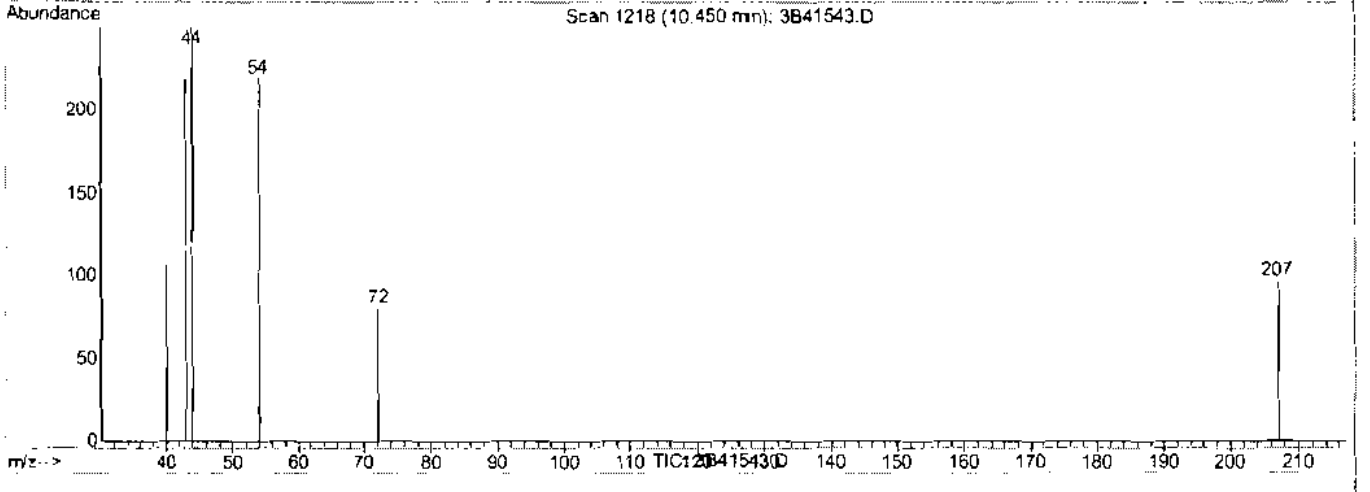
6

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41543.D Vial: 2
Acq On : 30 Dec 2008 10:04 am Operator: mchui
Sample : IC1914-0.5 Inst : MS3B
Misc : MS74078,V3B1914,W,,,,1 Multipl: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 14:29 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:27:22 2008
Response via : Multiple Level Calibration





(32) PROPIONITRILE (M)

10.45min 3.34PPb m

response 1137

Ion	Exp%	Act%
54.00	100	100
55.00	52.10	0.00#
52.00	18.50	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Mei Chen
12/31/08 12:51

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41544.D Vial: 3
Acq On : 30 Dec 2008 10:43 am Operator: mohui
Sample : IC1914-1 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: steint.p
Quant Time: Dec 30 11:10:23 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 07:49:08 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.35	65	17786	50.00	PPB		0.00
3) FLUOROBENZENE	11.67	96	52712	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.34	95	23547	5.22	PPb		0.00
Spiked Amount 5.000	Range 71 - 123		Recovery = 104.40%				
5) 1,2-DICHLOROBENZENE-d4 (S)	18.03	152	30079	5.00	PPb		0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 100.00%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.48	59	1427	4.47	PPb		81
6) DICHLORODIFLUOROMETHANE	4.26	85	5054	1.83	PPb		85
7) CHLOROMETHANE	4.68	50	4327	1.43	PPb		97
8) VINYL CHLORIDE	4.98	62	3826	1.45	PPb		98
9) BROMOMETHANE	5.80	94	3083	1.24	PPb		93
10) CHLOROETHANE	6.02	64	2198	1.26	PPb		70
11) TRICHLOROFLUOROMETHANE	6.54	101	7516	2.04	PPb		89
12) ETHYL ETHER	7.04	45	1239	0.98	PPb	#	61
13) ACROLEIN	7.46	56	138	1.95	PPb	#	20
14) 1,1-DICHLOROETHYLENE	7.51	96	2529	1.12	PPb		79
15) FREON 113	7.51	151	2662	1.42	PPb	#	67
16) ACETONE	7.67	58	665m	4.34	PPb		
17) IODOMETHANE	7.83	142	5180	1.05	PPb		89
18) CARBON DISULFIDE	7.97	76	8655	1.15	PPb		99
19) METHYL ACETATE	8.15	43	107	0.08	PPb	#	100
20) ALLYL CHLORIDE	8.13	76	1375	0.99	PPb	#	16
21) METHYLENE CHLORIDE	8.37	84	3940	1.27	PPb		90
22) ACRYLONITRILE	8.86	53	3467	4.04	PPb		97
23) METHYL TERT BUTYL ETHER	8.73	73	9533	1.14	PPb		78
24) trans-1,2-DICHLOROETHYLENE	8.79	61	4191	1.26	PPb		83
25) HEXANE	9.11	57	3082	1.36	PPb		90
26) 1,1-DICHLOROETHANE	9.47	63	5496	1.28	PPb		86
27) DI-ISOPROPYL ETHER	9.39	45	6481	0.89	PPb		94
28) ETHYL TERT-BUTYL ETHER	9.90	59	8118	0.97	PPb		90
29) 2-BUTANONE	10.29	72	820	3.52	PPb		56
30) 2,2-DICHLOROPROPANE	10.23	77	6716	1.66	PPb		95
31) cis-1,2-DICHLOROETHYLENE	10.25	61	5212	1.22	PPb	#	80
32) PROPIONITRILE	10.40	54	3462	10.50	PPb	#	47
33) METHYLACRYLATE	10.45	55	1686m	0.73	PPb		
34) METHACRYLONITRILE	10.65	41	1413m	1.36	PPb		
35) BROMOCHLOROMETHANE	10.58	128	2559	1.05	PPb		90
36) CHLOROFORM	10.63	83	6723	1.46	PPb		95
37) TETRAHYDROFURAN	10.64	42	569	0.84	PPb	#	79
38) 1,1,1-TRICHLOROETHANE	10.89	97	6485	1.62	PPb		92
39) CYCLOHEXANE	10.95	84	3827	1.33	PPb	#	100
40) 1-CHLOROBUTANE	10.99	56	9011	1.26	PPb		78
41) 1,1-DICHLOROPROPENE	11.09	75	3800	1.29	PPb		82
42) CARBON TETRACHLORIDE	11.10	117	6362	1.39	PPb		95
43) 1,2-DICHLOROETHANE	11.41	62	5355	1.66	PPb		83
44) BENZENE	11.37	78	10640	1.03	PPb		95

(#) = qualifier out of range (m) = manual integration
3B41544.D M3B1914.M Wed Dec 31 09:03:29 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41544.D Vial: 3
Acq On : 30 Dec 2008 10:49 am Operator: mohui
Sample : IC1914-1 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:10:23 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 07:49:08 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

Compound	R.T.	Qlon	Response	Conc	Unit		Qvalue
45) TERT AMYL METHYL ETHER	11.39	73	8514	0.98	PPB	#	50
46) TRICHLOROETHYLENE	12.12	95	2885	1.14	PPb		86
47) METHYLCYCLOHEXANE	12.32	83	9119	1.14	PPb		83
48) METHYL METHACRYLATE	12.45	69	780	0.51	PPb	#	1
49) 1,2-DICHLOROPROPANE	12.39	63	2435	1.02	PPb		92
50) DIBROMOMETHANE	12.57	93	2053	1.22	PPb		76
51) BROMODICHLOROMETHANE	12.70	83	4854	1.35	PPb		95
52) CHLOROACETONITRILE	12.99	75	1347	9.20	PPb	#	72
53) 2-NITROPROPANE	12.96	41	1383	1.32	PPb		80
54) 2-CHLOROETHYL VINYL ETHER	12.96	63	6475	3.90	PPb		87
55) cis-1,3-DICHLOROPROPENE	13.19	75	4546	1.08	PPb		98
56) 4-METHYL-2-PENTANONE	13.28	58	5940	6.27	PPb		89
57) 1,1-DICHLOROPROPANONE	13.42	43	2384m	1.89	PPb		
58) TOLUENE	13.56	92	6523	0.98	PPb		76
59) trans-1,3-DICHLOROPROPENE	13.80	75	4313	1.11	PPb		94
60) ETHYL METHACRYLATE	13.80	69	2184	0.73	PPb		75
61) 1,1,2-TRICHLOROETHANE	14.01	83	2203	1.05	PPb	#	86
62) 1,3-DICHLOROPROPANE	14.21	76	4242	1.05	PPb		84
63) 2-HEXANONE	14.20	58	4535	5.19	PPb		90
64) TETRACHLOROETHYLENE	14.17	166	3549	1.09	PPb		89
65) DIBROMOCHLOROMETHANE	14.49	129	3709	1.17	PPb		78
66) 1,2-DIBROMOETHANE	14.66	107	2606	0.96	PPb		89
67) CHLOROBENZENE	15.15	112	7743	0.98	PPb		97
68) 1,1,1,2-TETRACHLOROETHANE	15.19	131	3771	1.21	PPb		96
69) ETHYLBENZENE	15.18	91	12035	0.93	PPb		93
70) m,p-XYLENE	15.30	106	9988	1.90	PPb		94
71) o-XYLENE	15.75	106	4599	0.86	PPb		98
72) STYRENE	15.77	104	6587	0.76	PPb		89
73) BROMOFORM	16.06	173	2713	1.03	PPb		84
74) ISOPROPYLBENZENE	16.11	105	11405	0.95	PPb		88
75) BROMOBENZENE	16.55	156	4288	0.99	PPb		90
76) 1,1,2,2-TETRACHLOROETHANE	16.44	83	4082	0.97	PPb		85
77) TRANS-1,4-DICHLORO-2-BUTEN	16.50	53	1319	1.15	PPb		74
78) 1,2,3-TRICHLOROPROPANE	16.52	110	1479	1.23	PPb	#	51
79) n-PROPYLBENZENE	16.55	91	15813	0.99	PPb		97
80) O-CHLOROTOLUENE	16.71	91	12634	1.10	PPb		87
81) 1,3,5-TRIMETHYLBENZENE	16.70	105	11423	0.92	PPb		89
82) P-CHLOROTOLUENE	16.83	91	11058	1.03	PPb		95
83) tert-BUTYLBENZENE	17.07	119	9520	0.88	PPb		94
84) 1,2,4-TRIMETHYLBENZENE	17.13	105	12339	0.93	PPb		89
85) PENTACHLOROETHANE	17.18	167	2696	1.01	PPb		77
86) sec-BUTYLBENZENE	17.30	105	14980	0.95	PPb		92
87) p-ISOPROPYLTOLUENE	17.43	119	12979	0.87	PPb		92
88) M-DICHLOROBENZENE	17.54	146	8048	0.94	PPb		90
89) P-DICHLOROBENZENE	17.62	146	8984	0.98	PPb		95
90) n-BUTYLBENZENE	17.88	91	13094	0.95	PPb		99
91) O-DICHLOROBENZENE	18.06	146	9055	1.05	PPb		91
92) HEXACHLOROETHANE	18.33	201	2161	0.97	PPb		85
93) 1,2-DIBROMO-3-CHLOROPROPAN	18.91	155	770	1.00	PPb		87

(#) = qualifier out of range (m) = manual integration
3B41544.D M3B1914.M Wed Dec 31 09:03:29 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41544.D Vial: 3
Acq On : 30 Dec 2008 10:43 am Operator: mohdi
Sample : IC1914-1 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 11:10:23 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 07:49:08 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

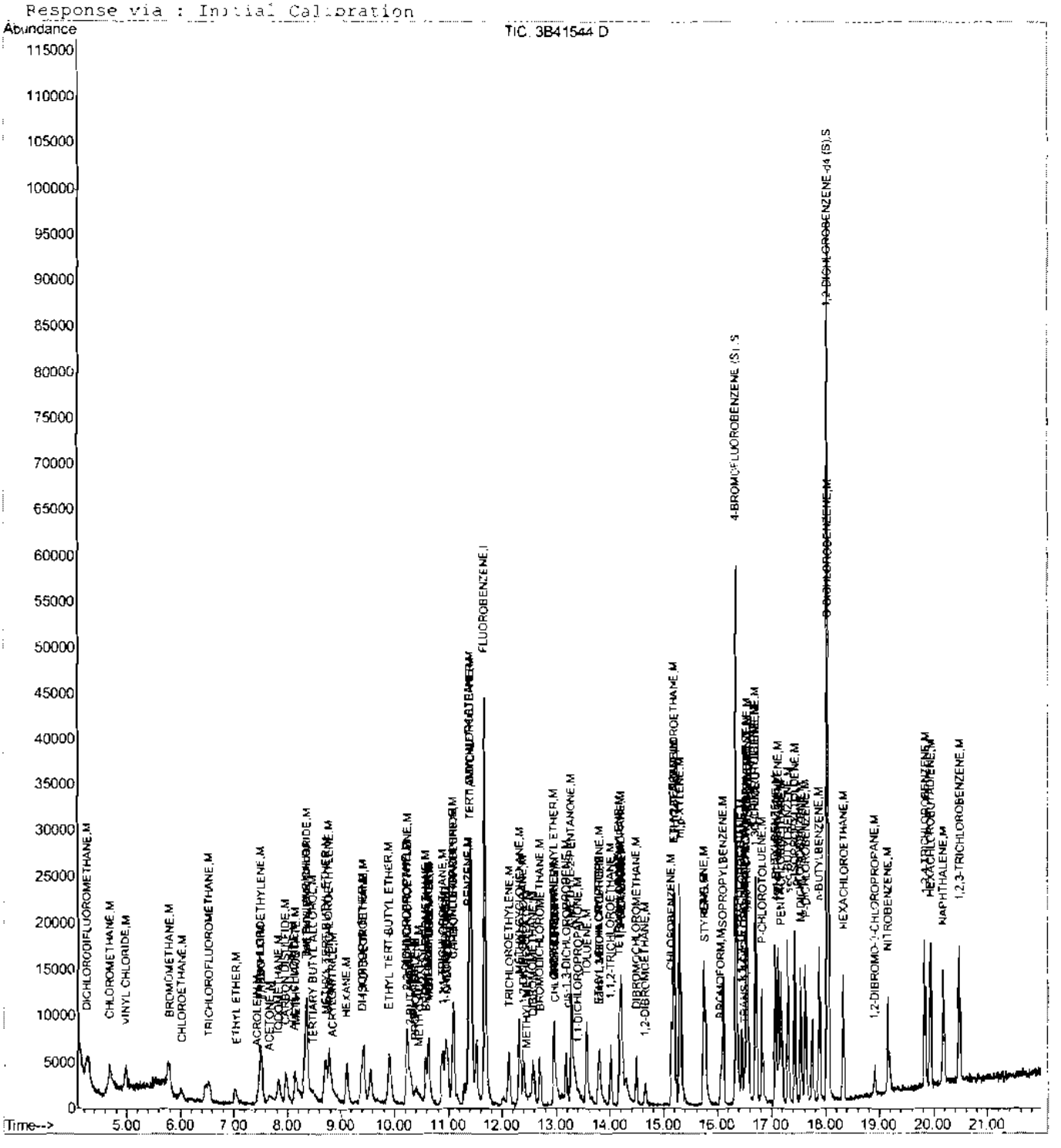
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
94) NITROBENZENE	19.16	77	8106	22.63 PPb	99
95) 1,2,4-TRICHLOROBENZENE	19.84	180	7086	0.99 PPb	93
96) HEXACHLOROBUTADIENE	19.95	225	4512	1.36 PPb	90
97) NAPHTHALENE	20.18	128	14906	0.91 PPb	98
98) 1,2,3-TRICHLOROBENZENE	20.48	180	6906	1.00 PPb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3B41544.D M3B1914.M Wed Dec 31 09:03:29 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41544.D Vial: 3
Acq On : 30 Dec 2008 10:43 am Operator: mohui
Sample : 1C1914-1 Inst : MS3B
Misc : MS744/9,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 14:24 2008 Quant Results File: M3B1914.RES

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration

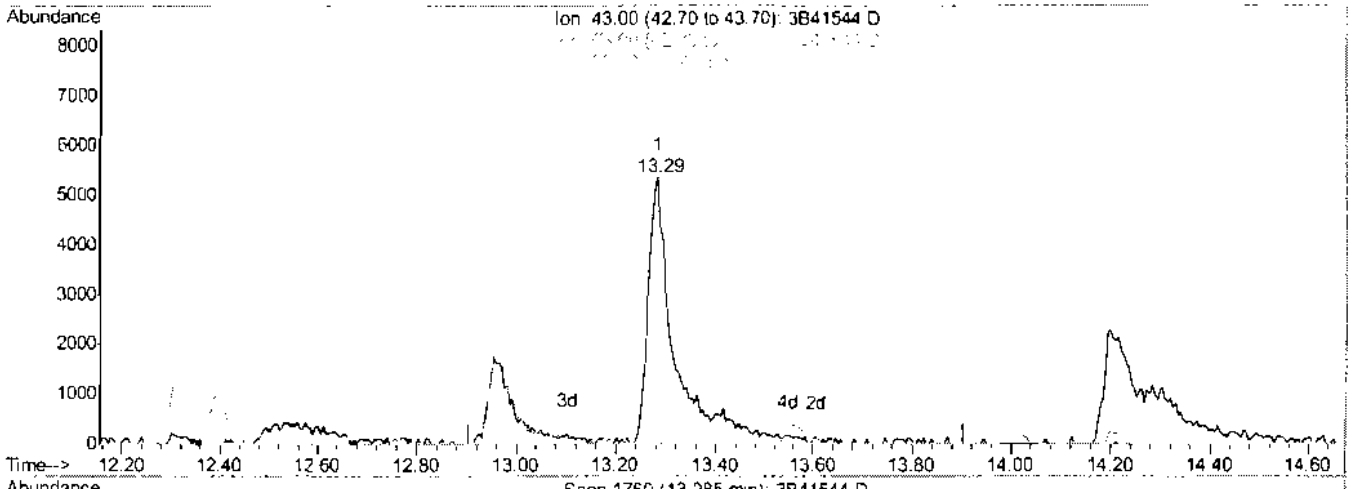


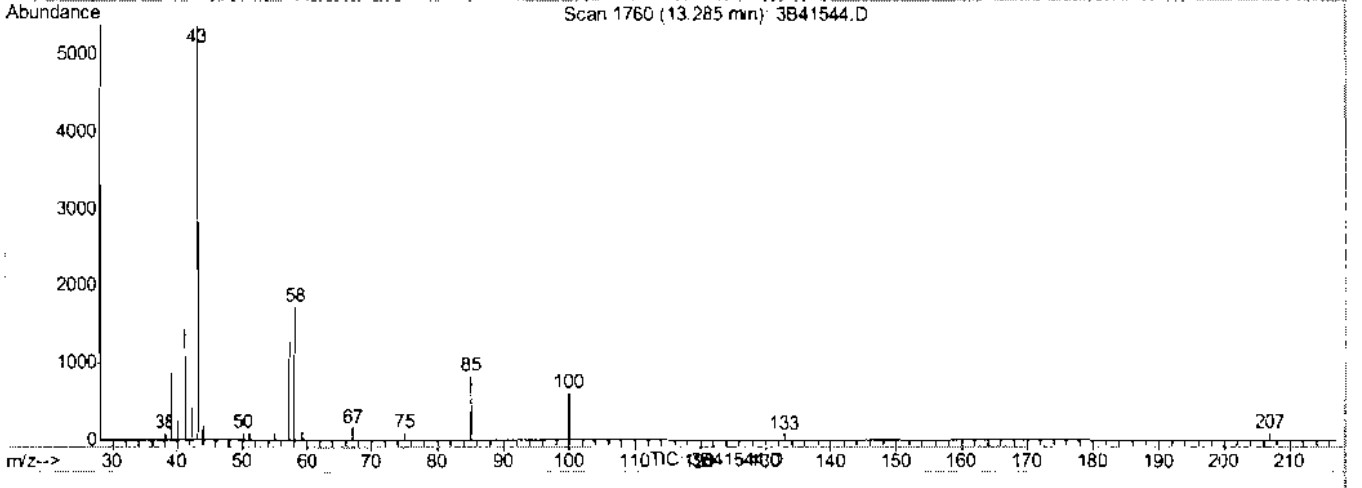
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41544.D Vial: 3
Acq On : 30 Dec 2008 10:43 am Operator: mohui
Sample : IC1914-1 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 11:10 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 504
Last Update : Tue Dec 30 12:57:44 2008
Response via : Multiple Level Calibration

6.6.21





(57) 1,1-DICHLOROPROPANONE (M)

13.29min 16.08PPb

response 20243

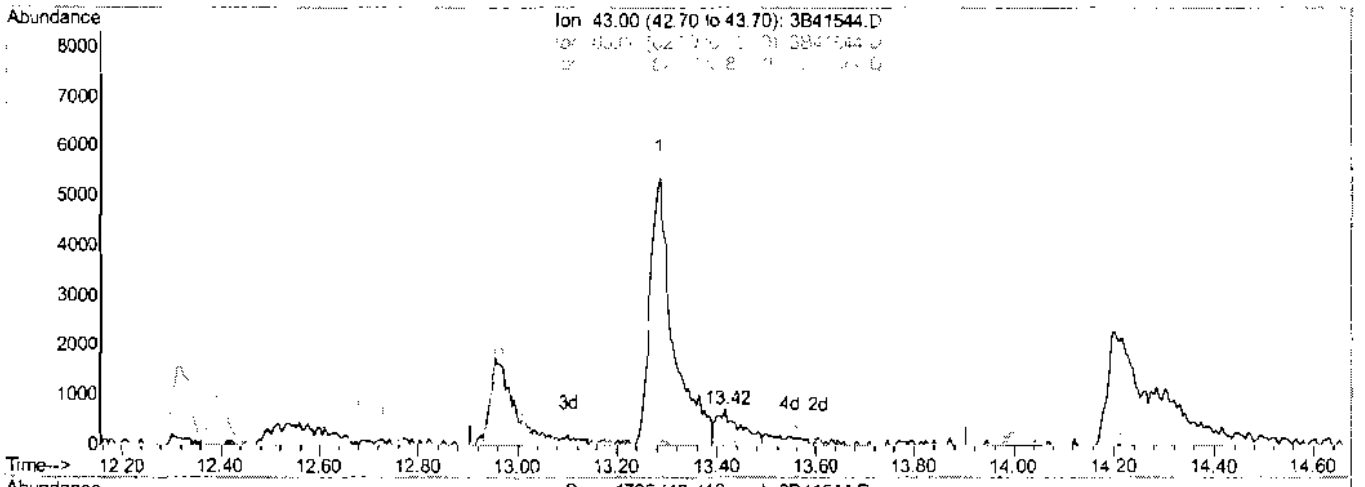
Ion	Exp%	Act%
43.00	100	100
63.00	4.30	0.00
83.00	7.30	0.00
0.00	0.00	0.00

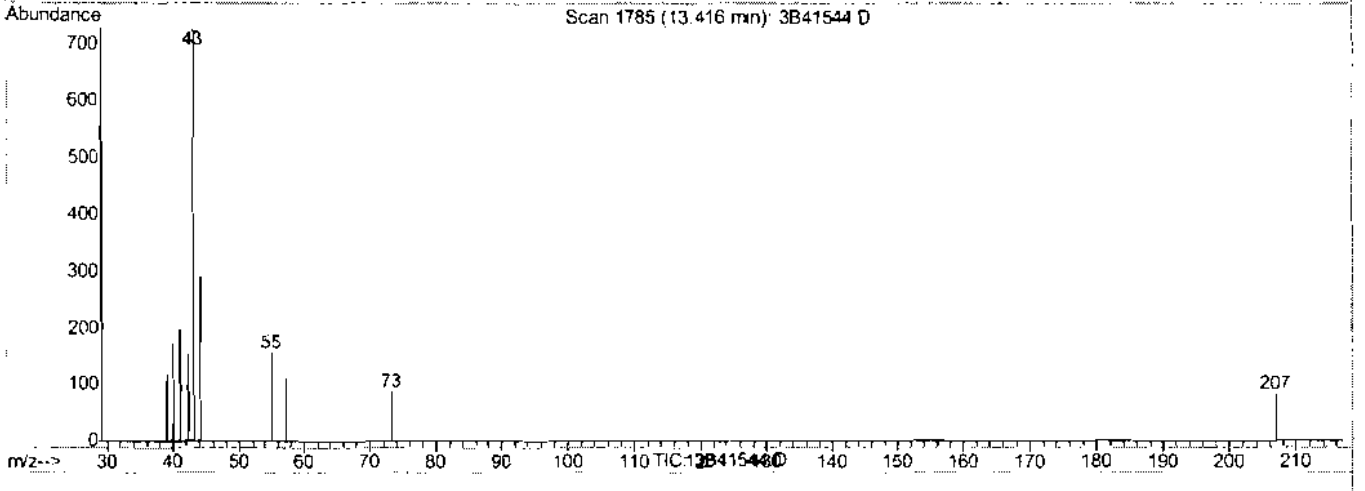
3B41544.D M3B1914.M Tue Dec 30 12:59:14 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41544.D Vial: 3
Acq On : 30 Dec 2008 10:43 am Operator: mohui
Sample : IC1914-1 Inst : MS3B
Misc : MS74479,V3B1914,P,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:59 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:57:44 2008
Response via : Multiple Level Calibration





(57) 1,1-DICHLOROPROPANONE (M)

13.42min 1.89PPb m

response 2384

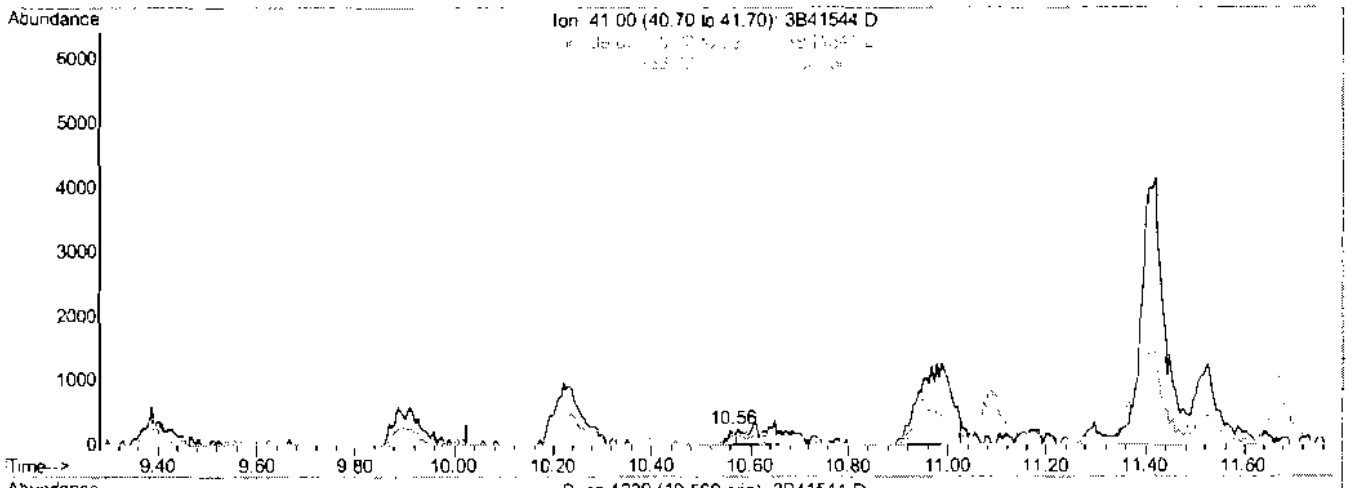
Ion	Exp%	Act%
43.00	100	100
63.00	4.30	0.00
83.00	7.30	0.00
0.00	0.00	0.00

3B41544.D M3B1914.M Tue Dec 30 12:59:27 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41544.D Vial: 3
Acq On : 30 Dec 2008 10:43 am Operator: mohut
Sample : IC1914-1 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params. rteint.p
Quant Time: Dec 30 12:59 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:57:44 2008
Response via : Multiple Level Calibration



(34) METHACRYLONITRILE (M)

10.56min 0.22PPb

response 228

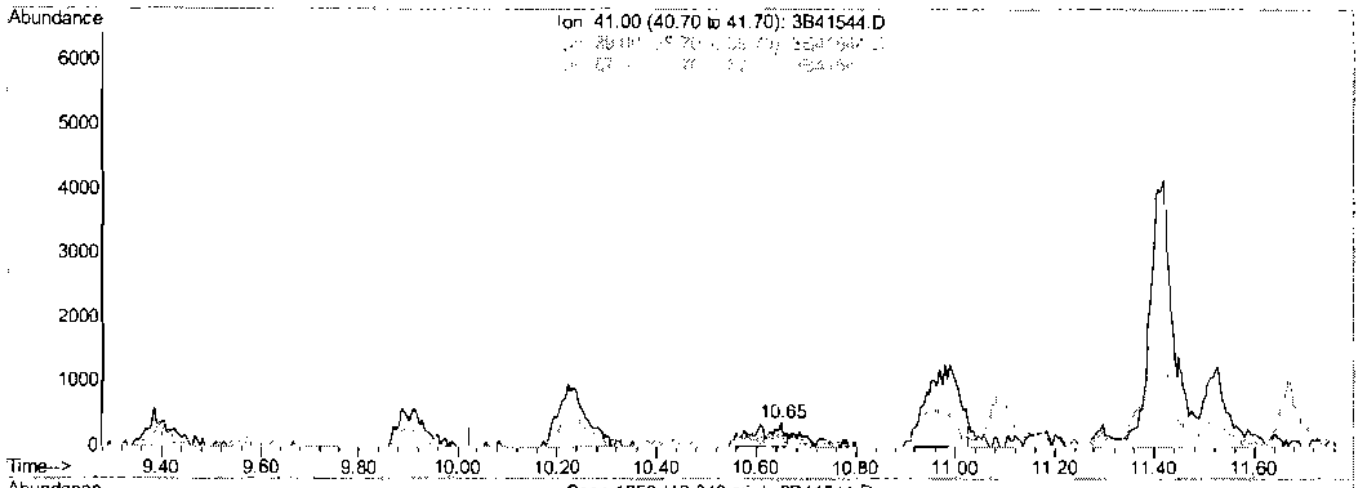
Ion	Exp%	Act%
41.00	100	100
39.00	55.10	0.00#
67.00	72.00	47.84
0.00	0.00	0.00

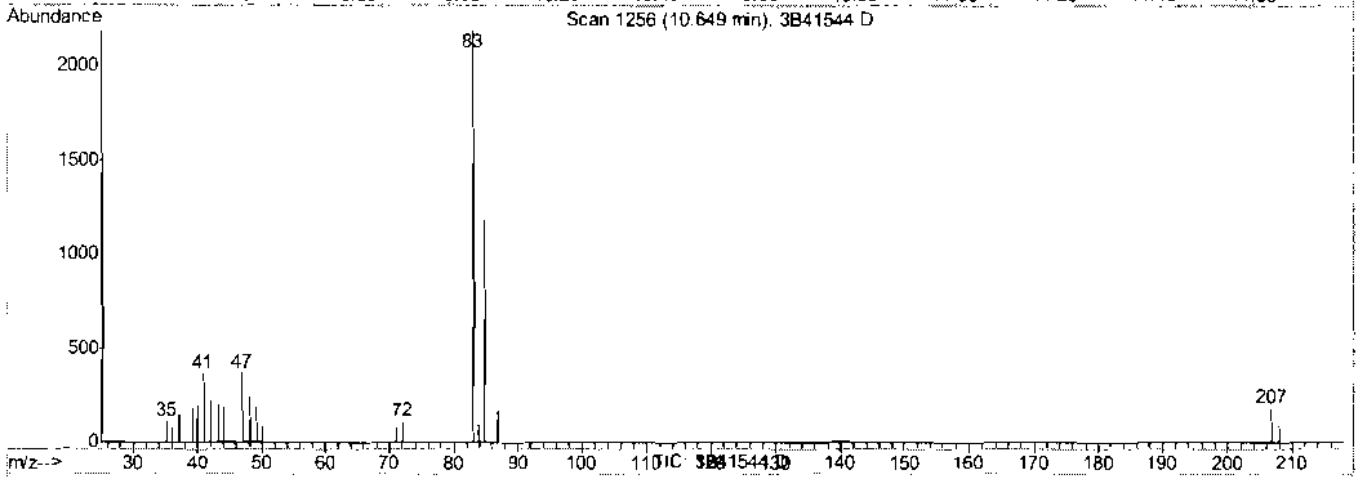
3B41544.D M3B1914.M Tue Dec 30 12:59:54 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41544.D Vial: 3
Acq On : 30 Dec 2008 10:43 am Operator: mohui
Sample : IC1914-1 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 13:00 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:57:44 2008
Response via : Multiple Level Calibration





(34) METHACRYLONITRILE (M)

10.65min 1.36PPb m

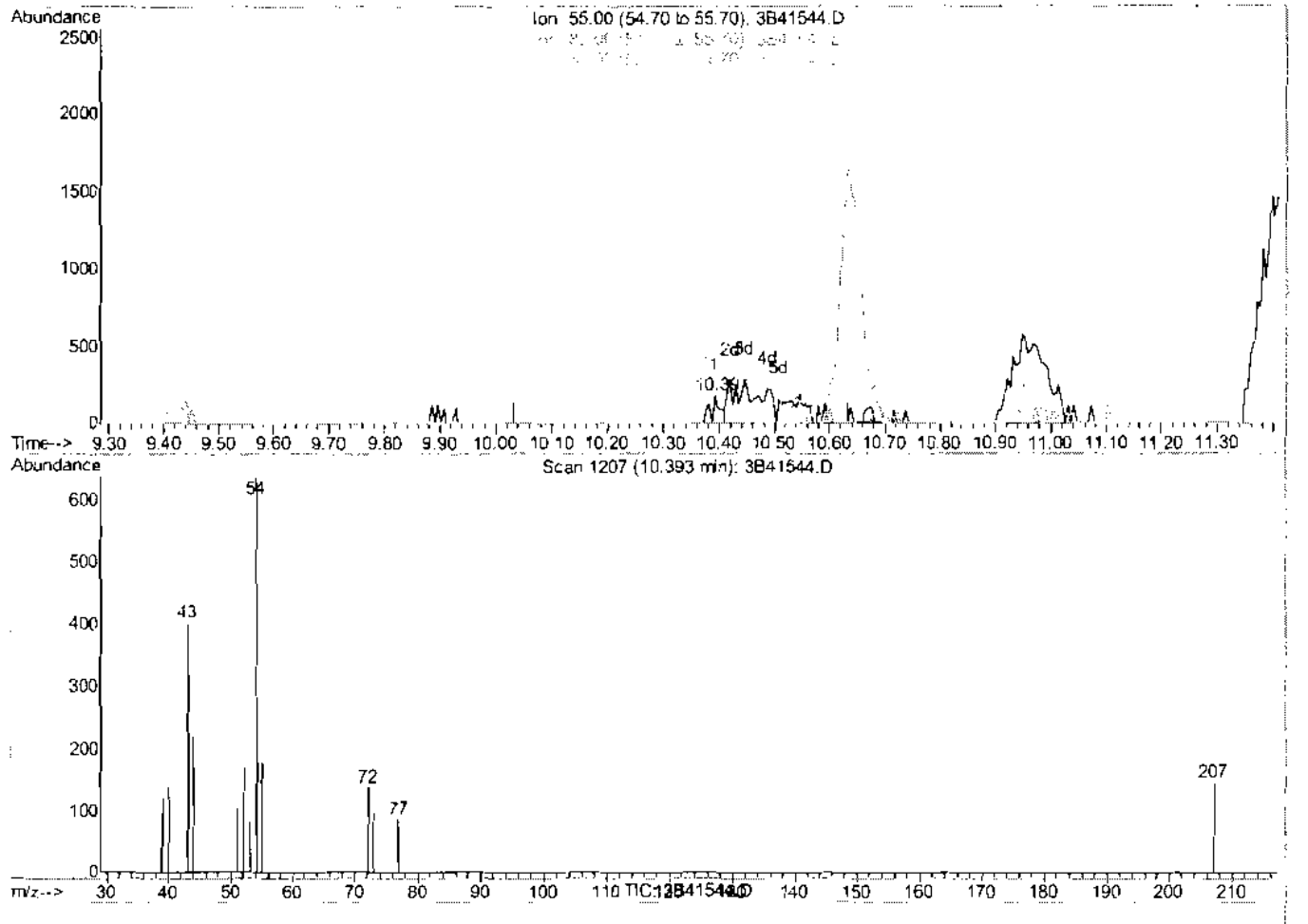
response 1413

Ion	Exp%	Act%
41.00	100	100
39.00	55.10	49.73
67.00	72.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\..\DATA\3B41544.D Vial: 3
Acq On : 30 Dec 2008 10:43 am Operator: mchai
Sample : IC1914-1 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 13:00 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 13:08:06 2008
Response via : Multiple Level Calibration



(33) METHYLACRYLATE (M)

10.39min 0.06PPb

response 138

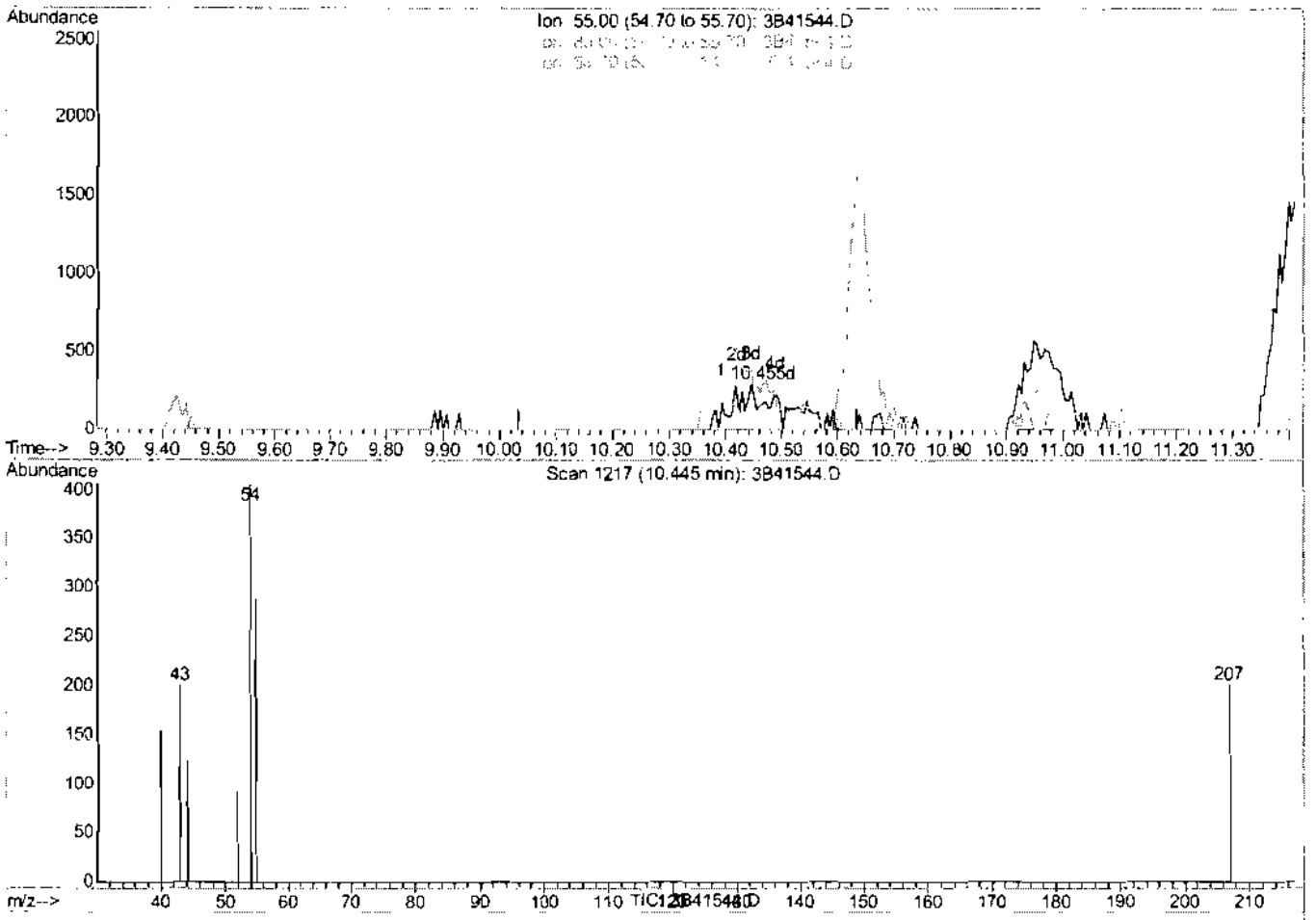
Ion	Exp%	Act%
55.00	100	100
85.00	0.00	0.00
54.00	191.90	64.73#
0.00	0.00	0.00

3B41544.D M3B1914.M Tue Dec 30 13:09:00 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41544.D Vial: 3
Acq On : 30 Dec 2008 10:43 am Operator: mchui
Sample : IC1914-1 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 13:09 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 13:08:06 2008
Response via : Multiple Level Calibration



(33) METHYLACRYLATE (M)

10.45min 0.73PPb m

response 1686

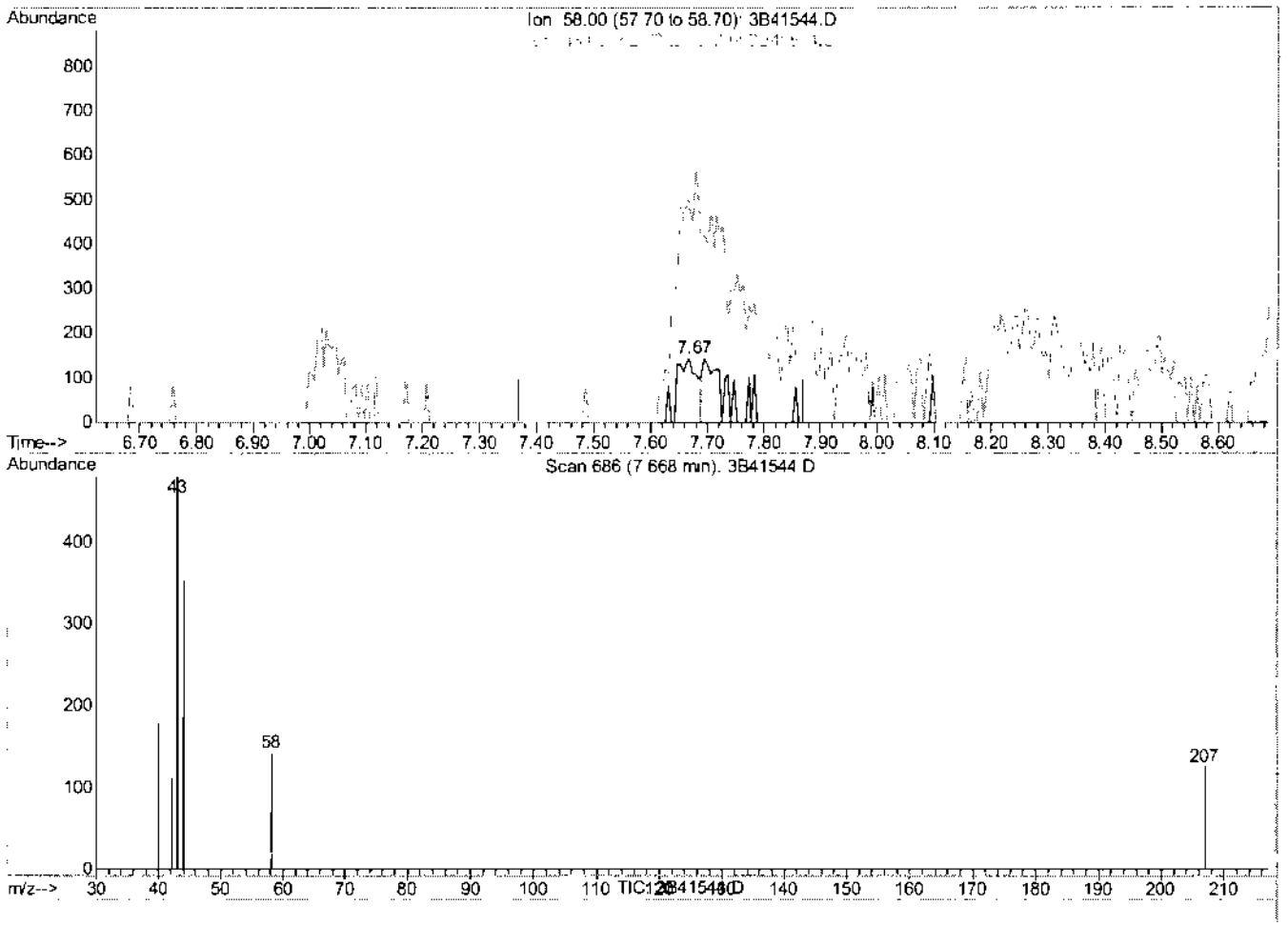
Ion	Exp%	Act%
55.00	100	100
85.00	0.00	0.00
54.00	191.90	140.63#
0.00	0.00	0.00

3B41544.D M3B1914.M Tue Dec 30 13:09:14 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41544.D Vial: 3
Acq On : 30 Dec 2008 10:43 am Operator: mohui
Sample : IC1914-1 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 13:09 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:24:07 2008
Response via : Multiple Level Calibration



(16) ACETONE (M)

7.67min 2.21PPb

response 338

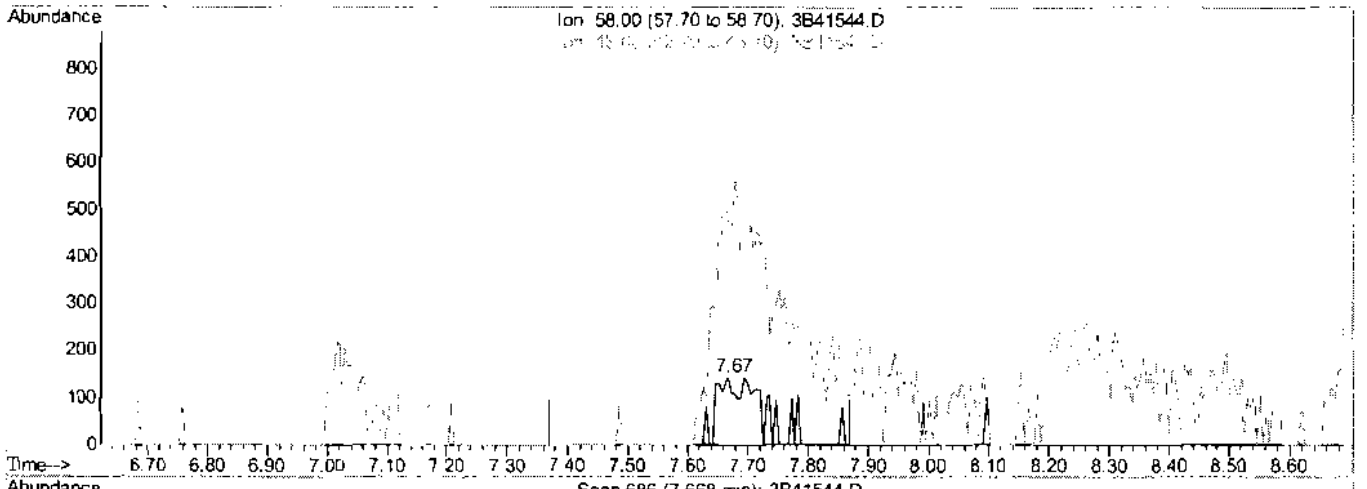
Ion	Exp%	Act%
58.00	100	100
43.00	290.60	335.66
0.00	0.00	0.00
0.00	0.00	0.00

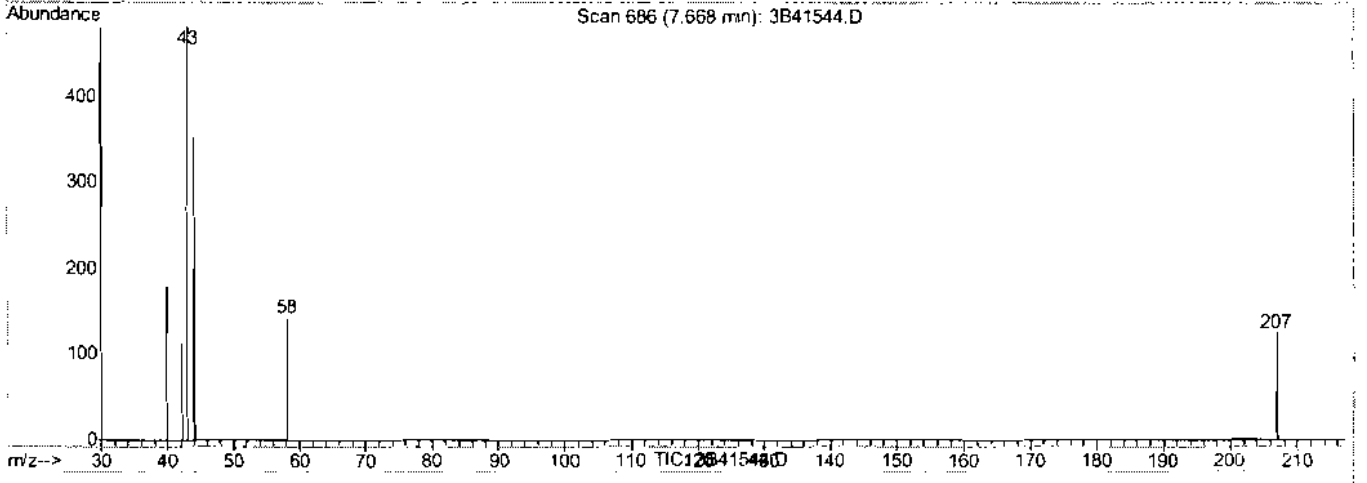
3B41544.D M3B1914.M Tue Dec 30 14:24:46 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41544.D Vial: 3
Acq On : 30 Dec 2008 10:43 am Operator: mohui
Sample : IC1914-1 Inst : MS3B
Misc : MS74479,V3B1914.N,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 14:24 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:24:07 2008
Response via : Multiple Level Calibration





(16) ACETONE (M)

7.67min 4.34PPb m

response 665

Ion	Exp%	Act%
58.00	100	100
43.00	290.60	335.66
0.00	0.00	0.00
0.00	0.00	0.00

3B41544.D M3B1914.M Tue Dec 30 14:24:59 2008 MS3B

Manual Integrations APPROVED (compounds with "m" flag)
Mei Chen
12/31/08 12:51

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41545.D Vial: 4
Acq On : 30 Dec 2008 11:15 am Operator: mchui
Sample : 1C1914-2 InsL : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 11:42:50 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 07:49:09 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

Internal Standards	R.T.	Qlon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.34	65	18479	50.00	PPB		0.00
3) FLUOROBENZENE	11.67	96	56486	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.34	95	24242	5.02	PPb		0.00
Spiked Amount 5.000	Range 71 - 123		Recovery = 100.40%				
5) 1,2-DICHLOROBENZENE-d4 (S)	18.03	152	32557	5.05	PPb		0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 101.00%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.49	59	2283	6.90	PPb		84
6) DICHLORODIFLUOROMETHANE	4.24	85	10464	3.54	PPb		98
7) CHLOROMETHANE	4.68	50	8263	2.55	PPb		88
8) VINYL CHLORIDE	4.98	62	7123	2.51	PPb		97
9) BROMOMETHANE	5.78	94	5713	2.15	PPb		96
10) CHLOROETHANE	6.06	64	4020m	2.14	PPb		
11) TRICHLOROFLUOROMETHANE	6.52	101	14576m	3.79	PPb		
12) ETHYL ETHER	7.02	45	2803	2.06	PPb	#	68
13) ACROLEIN	7.37	56	3228	42.61	PPb		87
14) 1,1-DICHLOROETHYLENE	7.51	96	4931	2.04	PPb	#	76
15) FREON 113	7.48	151	9645	2.81	PPb		98
16) ACETONE	7.68	58	1268m	7.73	PPb		
17) IODOMETHANE	7.82	142	10126	1.92	PPb		79
18) CARBON DISULFIDE	7.97	76	17694	2.20	PPb		99
19) METHYL ACETATE	8.23	43	3806	2.49	PPb	#	100
20) ALLYL CHLORIDE	8.15	76	2752	1.85	PPb	#	27
21) METHYLENE CHLORIDE	8.36	84	6652	2.00	PPb		84
22) ACRYLONITRILE	8.80	53	8491	9.24	PPb		97
23) METHYL TERT BUTYL ETHER	8.72	73	18982	2.13	PPb		81
24) trans-1,2-DICHLOROETHYLENE	8.79	61	8447	2.40	PPb		89
25) HEXANE	9.11	57	6039	2.48	PPb		94
26) 1,1-DICHLOROETHANE	9.42	63	10710	2.33	PPb		90
27) DI-ISOPROPYL ETHER	9.39	45	14273	1.84	PPb		98
28) ETHYL TERT-BUTYL ETHER	9.90	59	18053	2.01	PPb		95
29) 2-BUTANONE	10.26	72	1668	6.69	PPb		92
30) 2,2-DICHLOROPROPANE	10.23	77	12377	2.66	PPb		98
31) cis-1,2-DICHLOROETHYLENE	10.24	61	10453	2.29	PPb		87
32) PROPIONITRILE	10.36	54	6985	19.77	PPb	#	54
33) METHYLACRYLATE	10.41	55	3620	1.47	PPb	#	59
34) METHACRYLONITRILE	10.56	41	3095m	2.78	PPb		
35) BROMOCHLOROMETHANE	10.57	128	3250	2.04	PPb		83
36) CHLOROFORM	10.63	83	12697	2.58	PPb		94
37) TETRAHYDROFURAN	10.63	42	1561m	2.16	PPb		
38) 1,1,1-TRICHLOROETHANE	10.88	97	13103	3.05	PPb		90
39) CYCLOHEXANE	10.96	84	7492	2.43	PPb	#	100
40) 1-CHLOROBUTANE	10.98	56	18518	2.41	PPb		95
41) 1,1-DICHLOROPROPENE	11.02	75	7143	2.27	PPb		90
42) CARBON TETRACHLORIDE	11.09	117	12316	3.42	PPb		93
43) 1,2-DICHLOROETHANE	11.40	62	10764	3.12	PPb		97
44) BENZENE	11.36	78	20705	1.87	PPb		97

(#) = qualifier out of range (m) = manual integration
3B41545.D M3B1914.M Wed Dec 31 09:03:36 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41545.D Vial: 4
Acq On : 30 Dec 2008 11:15 am Operator: mchui
Sample : IC1914-2 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 11:42:50 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 07:49:08 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

Compound	R.T.	Qion	Response	Conc	Unit		Qvalue
45) TERT AMYL METHYL ETHER	11.38	73	18454	1.98	PPB	#	97
46) TRICHLOROETHYLENE	12.11	95	6170	2.27	PPb	#	80
47) METHYLCYCLOPEXANE	12.32	83	8805	2.28	PPb		91
48) METHYL METHACRYLATE	12.42	69	2450	1.50	PPb	#	28
49) 1,2-DICHLOROPROPANE	12.39	63	5094	1.98	PPb		83
50) DIBROMOMETHANE	12.57	93	4085	2.27	PPb		79
51) BROMODICHLOROMETHANE	12.70	83	9699	2.52	PPb		97
52) CHLOROACETONITRILE	12.99	75	1936	12.33	PPb	#	66
53) 2-NITROPROPANE	12.95	41	2814	2.51	PPb		94
54) 2-CHLOROETHYL VINYL ETHER	12.96	63	14754	8.29	PPb		96
55) cis-1,3-DICHLOROPROPENE	13.18	75	8924	1.98	PPb		93
56) 4-METHYL-2-PENTANONE	13.27	58	9468	9.33	PPb		93
57) 1,1-DICHLOROPROPANONE	13.40	43	4496	3.33	PPb		82
58) TOLUENE	13.56	92	12764	1.80	PPb		79
59) trans-1,3-DICHLOROPROPENE	13.78	75	9558	2.29	PPb		95
60) ETHYL METHACRYLATE	13.76	69	5243	1.64	PPb		95
61) 1,1,2-TRICHLOROETHANE	14.00	83	4723	2.09	PPb		91
62) 1,3-DICHLOROPROPANE	14.20	76	9226	2.13	PPb		83
63) 2-HEXANONE	14.20	58	8510	9.08	PPb		95
64) TETRACHLOROETHYLENE	14.17	166	7291	2.09	PPb		95
65) DIBROMOCHLOROMETHANE	14.48	129	7708	2.26	PPb		94
66) 1,2-DIBROMOETHANE	14.65	107	5537	1.90	PPb		95
67) CHLOROBENZENE	15.14	112	15953	1.89	PPb		93
68) 1,1,1,2-TETRACHLOROETHANE	15.19	131	7570	2.27	PPb		97
69) ETHYLBENZENE	15.18	91	25876	1.87	PPb		94
70) m,p-XYLENE	15.29	106	20682	3.67	PPb		92
71) o-XYLENE	15.75	106	9978	1.74	PPb		100
72) STYRENE	15.76	104	15455	1.67	PPb		93
73) BROMOFORM	16.07	173	6079	2.16	PPb		93
74) ISOPROPYLBENZENE	16.10	105	23676	1.84	PPb		91
75) BROMOBENZENE	16.55	156	9163	1.97	PPb		84
76) 1,1,2,2-TETRACHLOROETHANE	16.44	83	9319	2.07	PPb		95
77) TRANS-1,4-DICHLORO-2-BUTEN	16.49	53	3249	2.64	PPb		85
78) 1,2,3-TRICHLOROPROPANE	16.52	110	3327	2.58	PPb	#	57
79) n-PROPYLBENZENE	16.54	91	32956	1.93	PPb		93
80) O-CHLOROTOLUENE	16.71	91	29331	2.06	PPb		99
81) 1,3,5-TRIMETHYLBENZENE	16.70	105	25037	1.87	PPb		94
82) P-CHLOROTOLUENE	16.82	91	21640	1.87	PPb		93
83) tert-BUTYLBENZENE	17.07	119	21050	1.82	PPb		92
84) 1,2,4-TRIMETHYLBENZENE	17.12	105	27057	1.90	PPb		82
85) PENTACHLOROETHANE	17.18	167	6231	2.19	PPb		87
86) sec-BUTYLBENZENE	17.30	105	32625	1.92	PPb		94
87) p-ISOPROPYLTOLUENE	17.43	119	28991	1.82	PPb		93
88) M-DICHLOROBENZENE	17.53	146	17434	1.89	PPb		98
89) P-DICHLOROBENZENE	17.62	146	19119	1.95	PPb		97
90) n-BUTYLBENZENE	17.88	91	28237	1.91	PPb		96
91) O-DICHLOROBENZENE	18.06	146	17969	1.95	PPb		94
92) HEXACHLOROETHANE	18.33	201	5852	1.93	PPb		93
93) 1,2-DIBROMO-3-CHLOROPROPAN	18.91	155	1884	2.28	PPb		82

(#) = qualifier out of range (m) = manual integration
3B41545.D M3B1914.M Wed Dec 31 09:03:36 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41545.D Vial: 4
Acq On : 30 Dec 2008 11:15 am Operator: mohui
Sample : IC1914-2 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 11:42:50 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 07:49:08 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

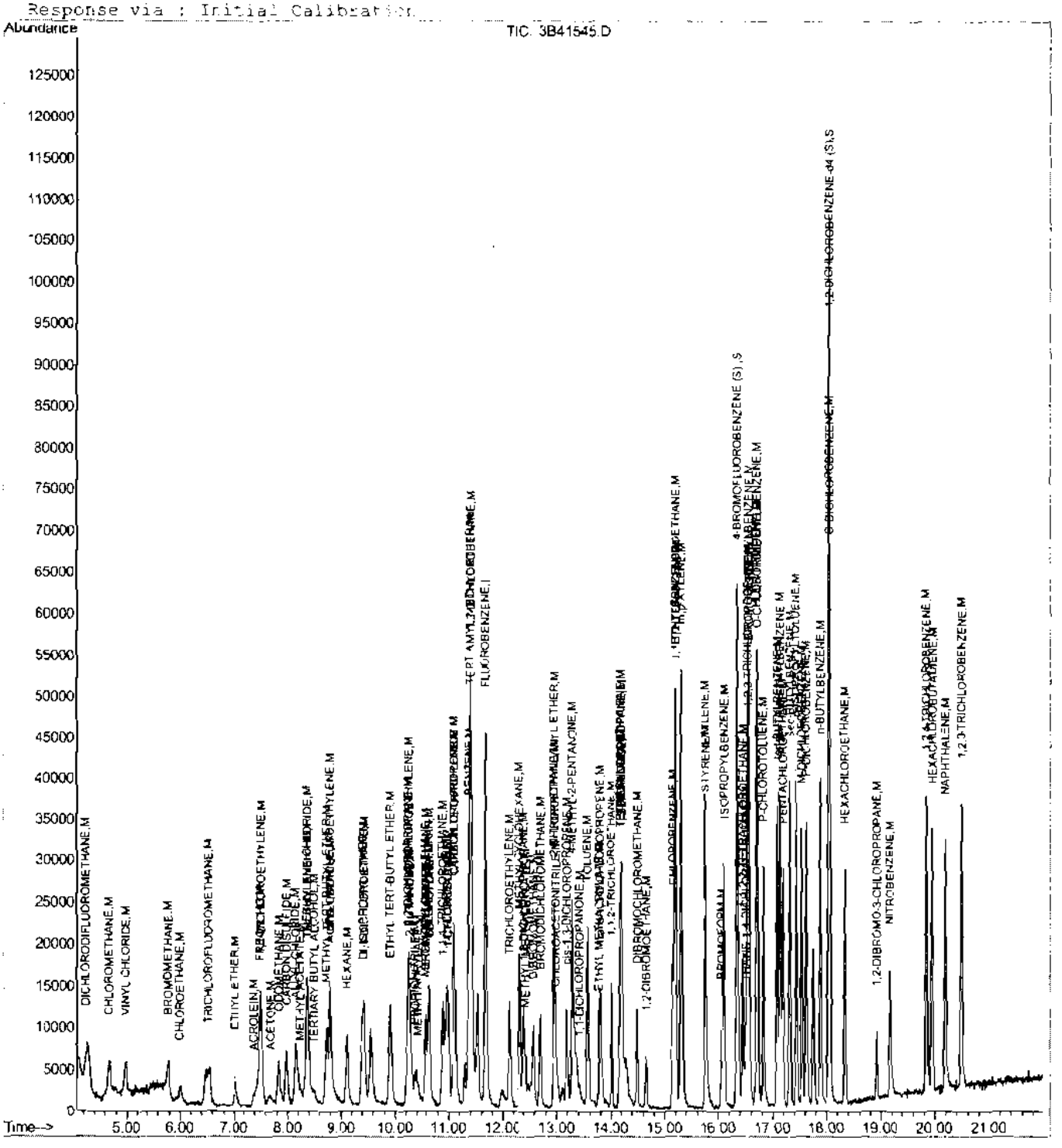
	Compound	R.T.	Qion	Response	Conc	Unit	Qvalue
94)	NITROBENZENE	19.15	77	11683	30.43	PPb	90
95)	1,2,4-TRICHLOROBENZENE	19.83	180	14905	1.94	PPb	93
96)	HEXACHLOROBUTADIENE	19.94	225	5635	2.43	PPb	97
97)	NAPHTHALENE	20.18	128	34016	1.94	PPb	95
98)	1,2,3-TRICHLOROBENZENE	20.47	180	15598	2.12	PPb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3B41545.D M3B1914.M Wed Dec 31 09:03:36 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41545.D Vial: 4
Acq On : 30 Dec 2008 11:5 am Operator: mobui
Sample : IC1914-2 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 14:31 2008 Quant Results File: M3B1914.RES

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:25 2008
Response via : Initial Calibration

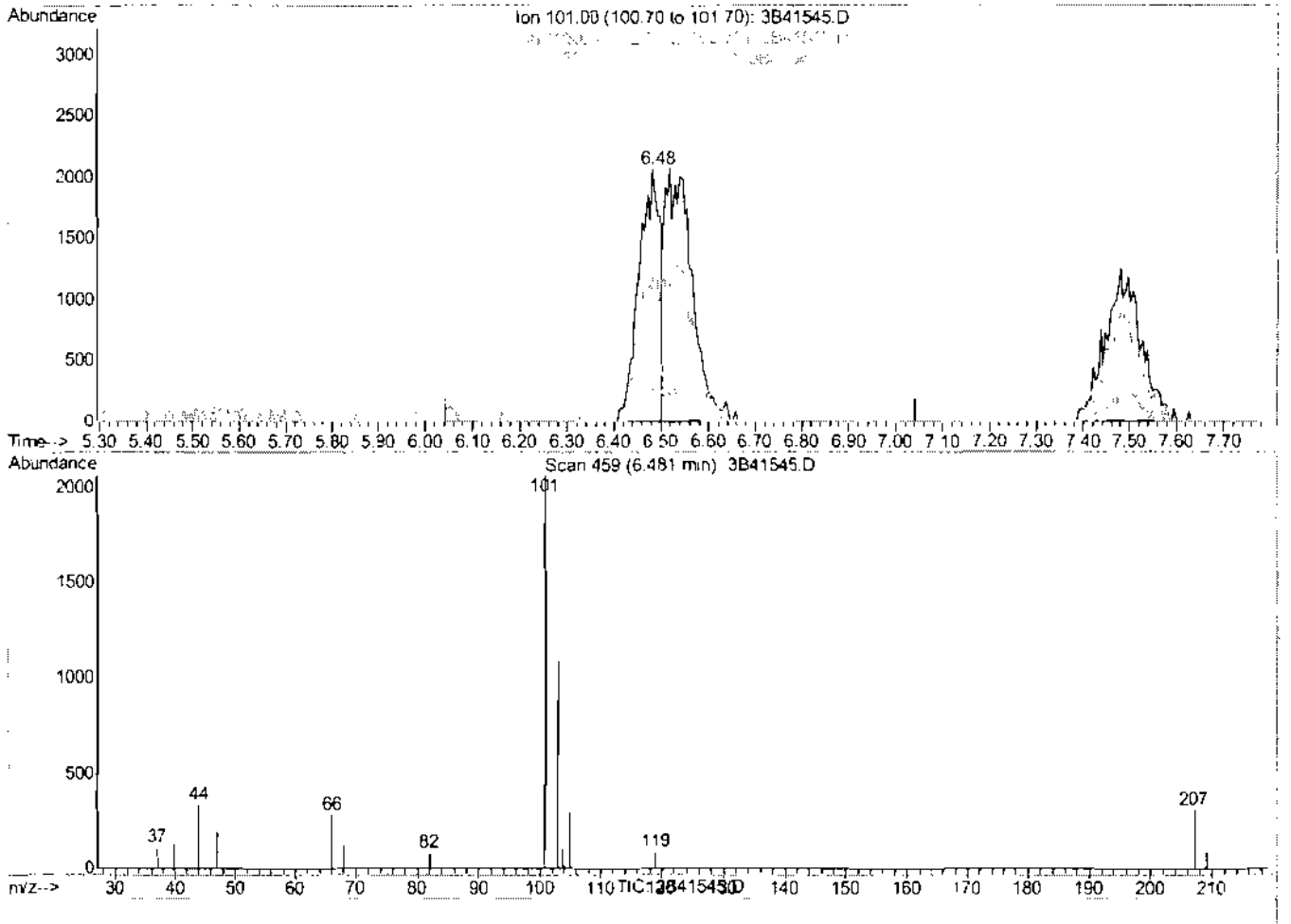


3B41545.D M3B1914.M Wed Dec 31 09:03:38 2008 MS3B Page 4

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41545.D Vial: 4
Acq On : 30 Dec 2008 11:15 am Operator: monui
Sample : IC1914-2 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 11:42 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 07:49:09 2008
Response via : Multiple Level Calibration



(11) TRICHLOROFLUOROMETHANE (M)

6.48min 1.66PPb

response 6376

Ion	Exp%	Act%
101.00	100	100
103.00	63.80	37.92
66.00	9.70	12.45
0.00	0.00	0.00

3B41545.D M3B1914.M Tue Dec 30 12:12:21 2008 MS3B

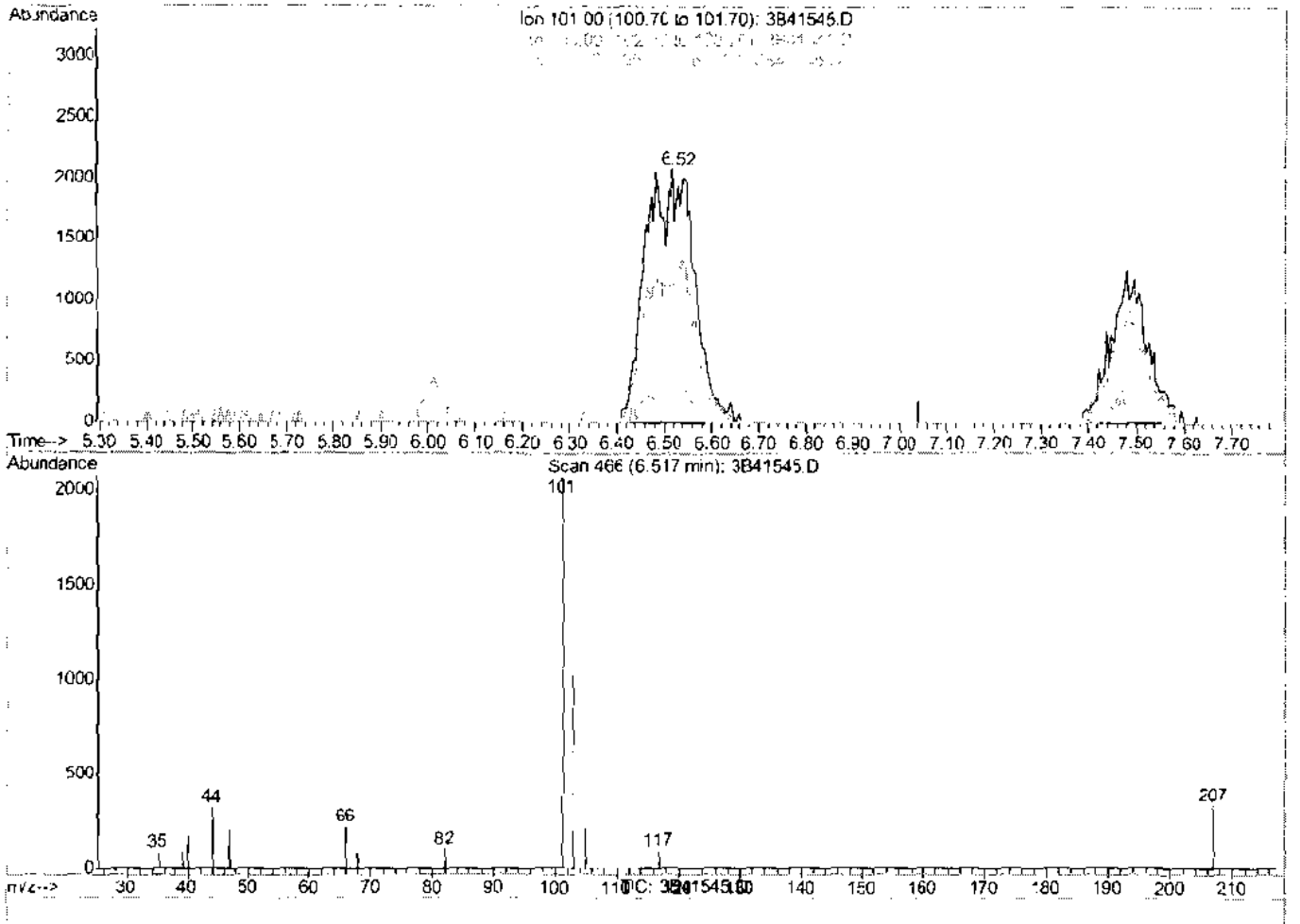
6.6.3.1

6

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41545.D Vial: 4
Acq On : 30 Dec 2008 11:15 am Operator: mohui
Sample : IC1914 2 Inst : MS3B
Misc : MS24479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:12 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\V3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 07:49:18 2008
Response via : Multiple Level Calibration



(T1) TRICHLOROFLUOROMETHANE (M)

6.52min 3.79PPb m

response 14576

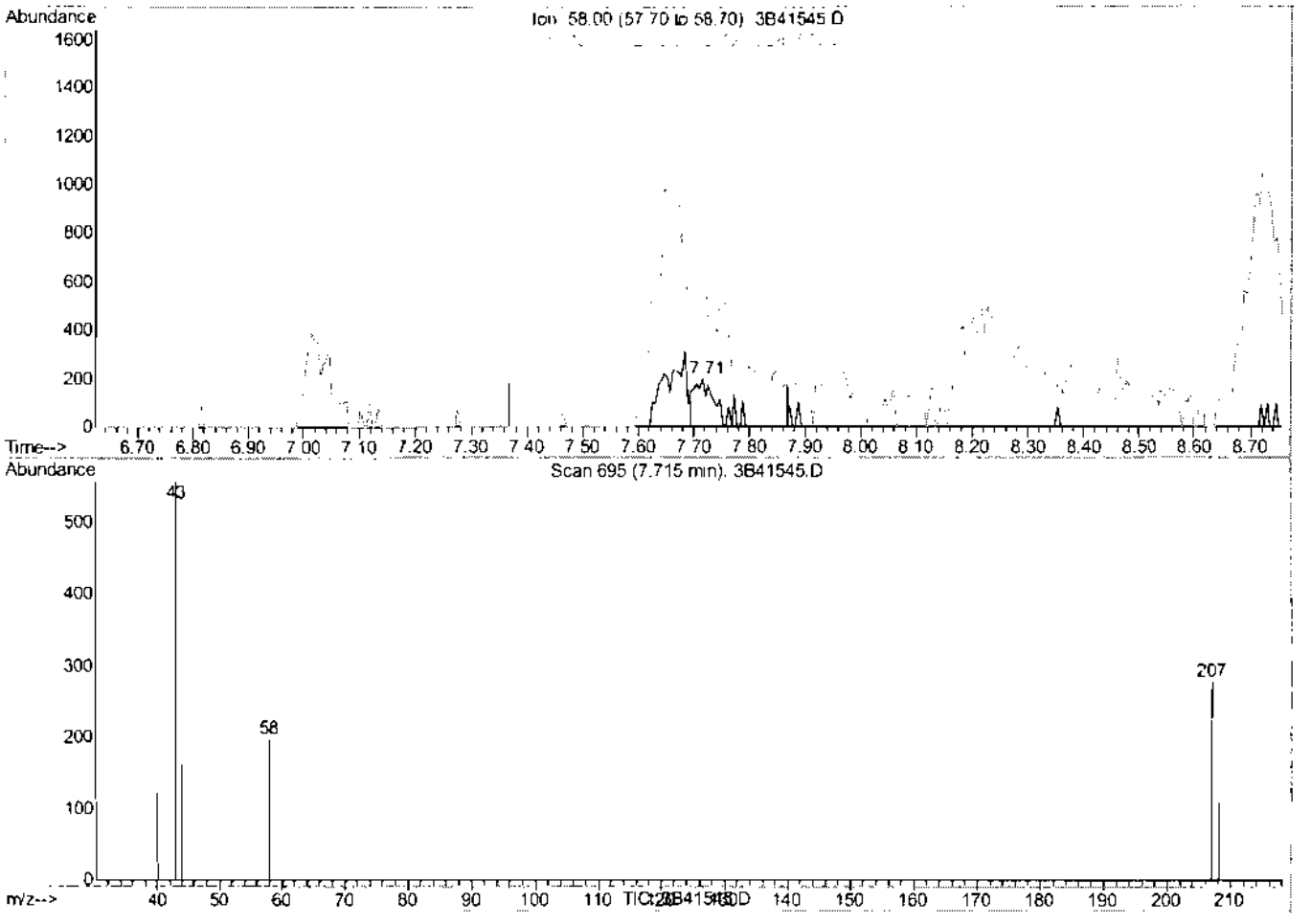
Ion	Exp%	Act%
101.00	100	100
103.00	63.80	49.78
66.00	9.70	10.54
0.00	0.00	0.00

3B41545.D MSB1914.M Tue Dec 30 12:12:26 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41545.D Vial: 4
Acq On : 30 Dec 2008 11:15 am Operator: mahui
Sample : JC1914-2 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:12 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 07:49:08 2008
Response via : Multiple Level Calibration



(16) ACETONE (M)

7.71min 2.66PPb

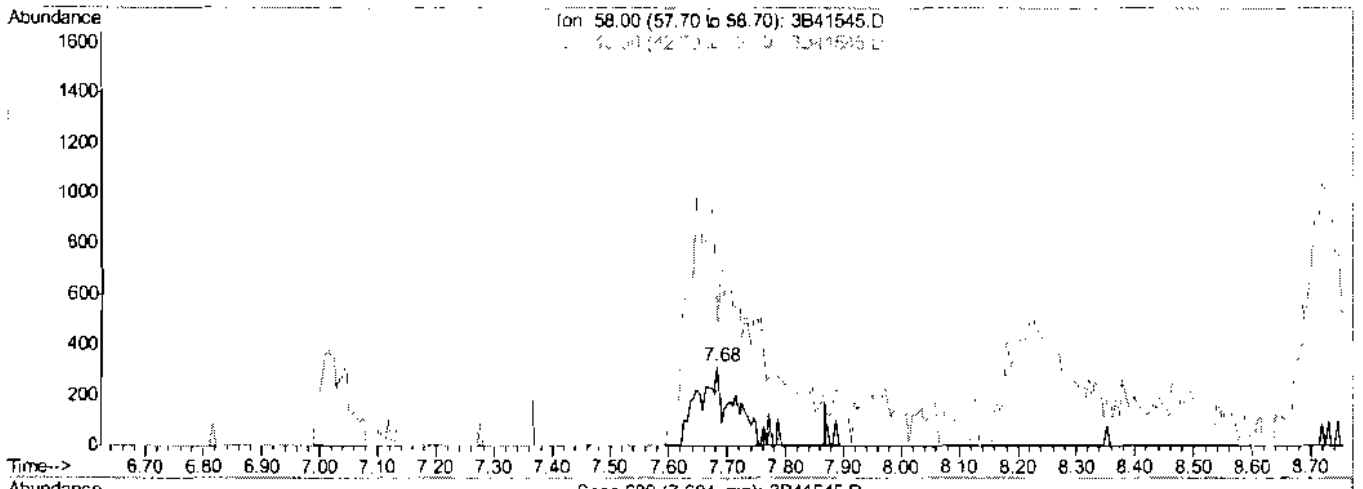
response 437

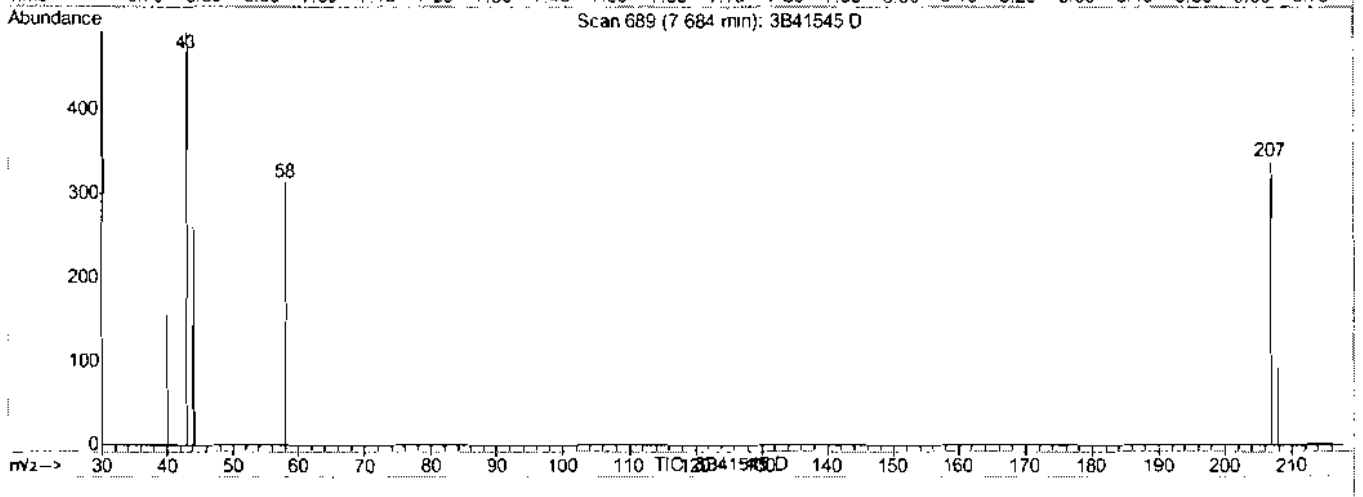
Ion	Exp%	Act%
58.00	100	100
43.00	290.60	260.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41545.D Vial: 4
Acq On : 30 Dec 2008 11:15 am Operator: mohai
Sample : 1C1914-2 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:12 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 07:49:08 2008
Response via : Multiple Level Calibration





(16) ACETONE (M)

7.68min 7.73PPb m

response 1268

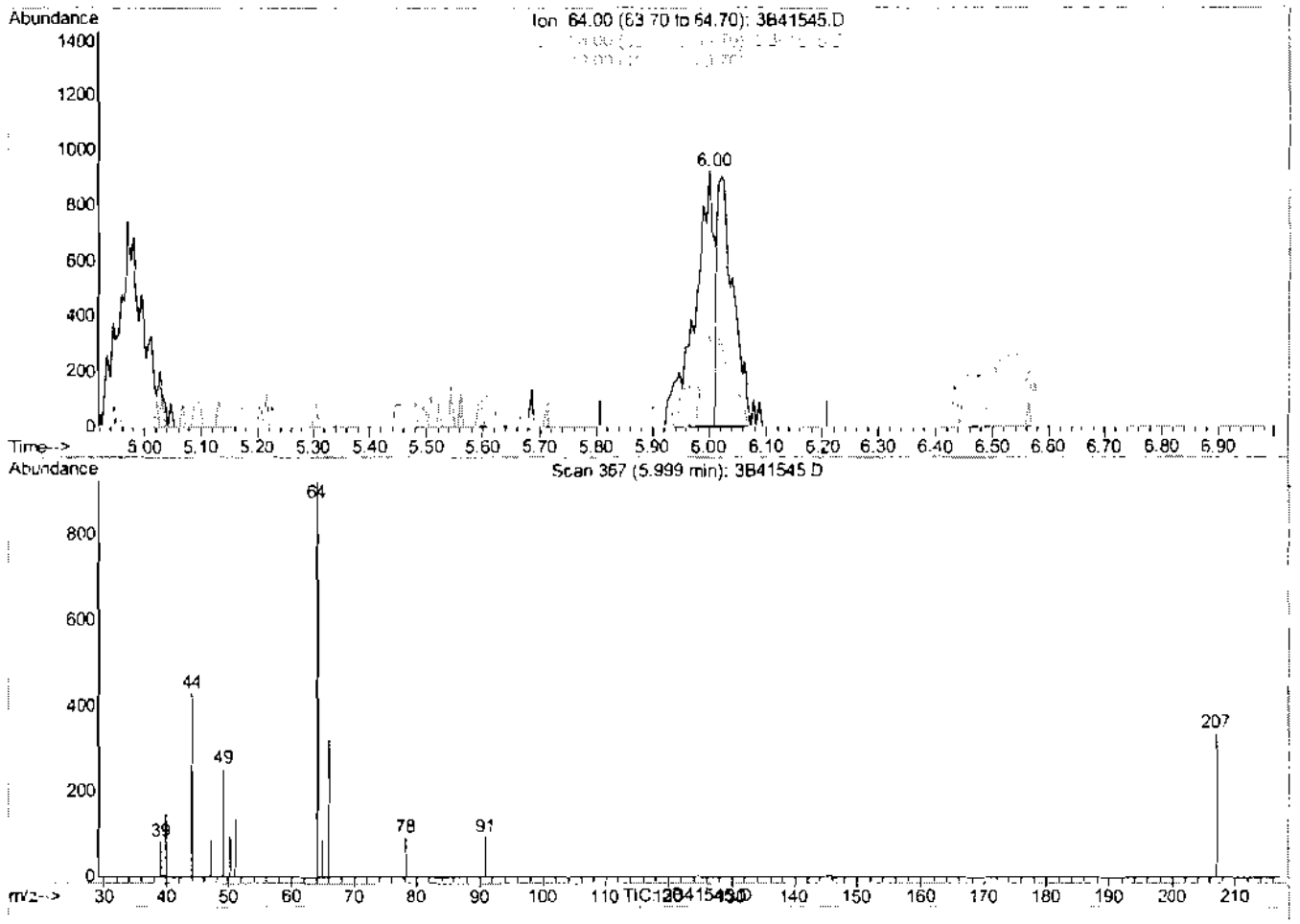
Ion	Exp%	Act%
58.00	100	100
43.00	290.60	157.19#
0.00	0.00	0.00
0.00	0.00	0.00

3B41545.D M3B1914.M Tue Dec 30 12:12:46 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41545.D Vial: 4
Acq On : 30 Dec 2008 11:15 am Operator: mohui
Sample : 1C1914-2 Inst : MS3B
Misc : MS74679,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:12 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:35:04 2008
Response via : Multiple Level Calibration



(10) CHLOROETHANE (M)

6.00min 1.18PPb

response 2219

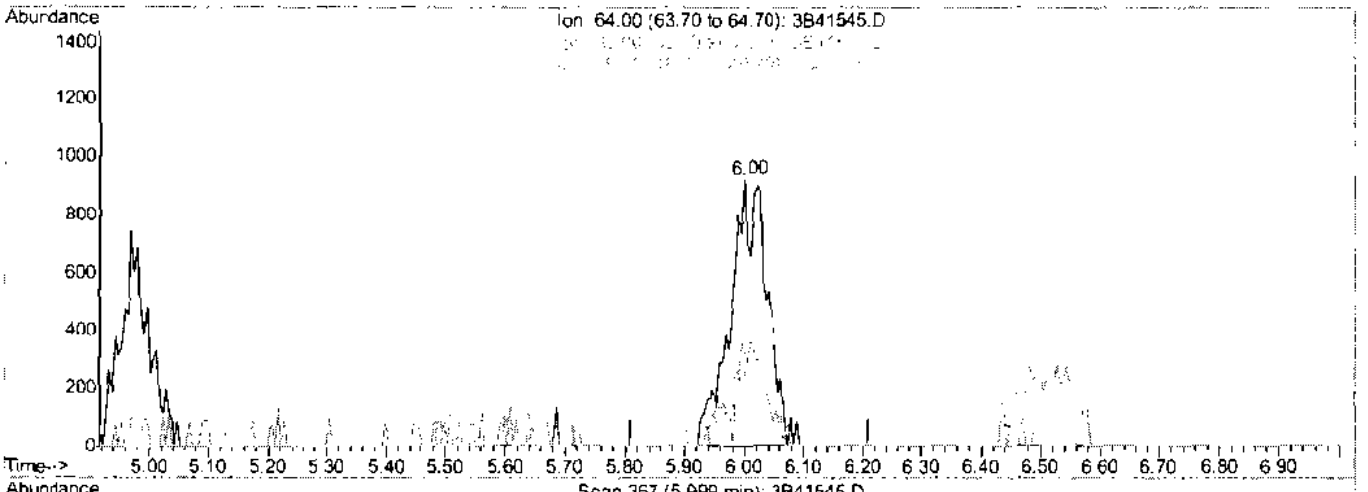
Ion	Exp%	Act%
64.00	100	100
66.00	29.70	22.57
49.00	20.90	26.34
0.00	0.00	0.00

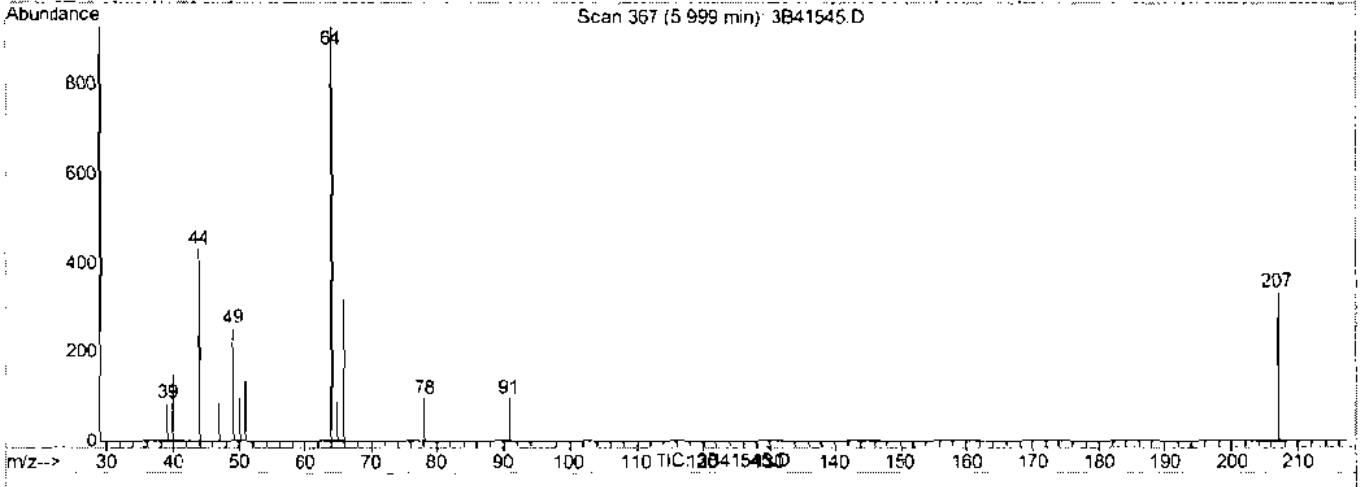
3B41545.D M3B1914.M Tue Dec 30 12:34:06 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41545.D Vial: 4
Acq On : 30 Dec 2008 11:15 am Operator: mohni
Sample : IC1914-2 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:34 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:33:04 2008
Response via : Multiple Level Calibration





(10) CHLOROETHANE (M)

6.00min 2.14PPb m

response 4020

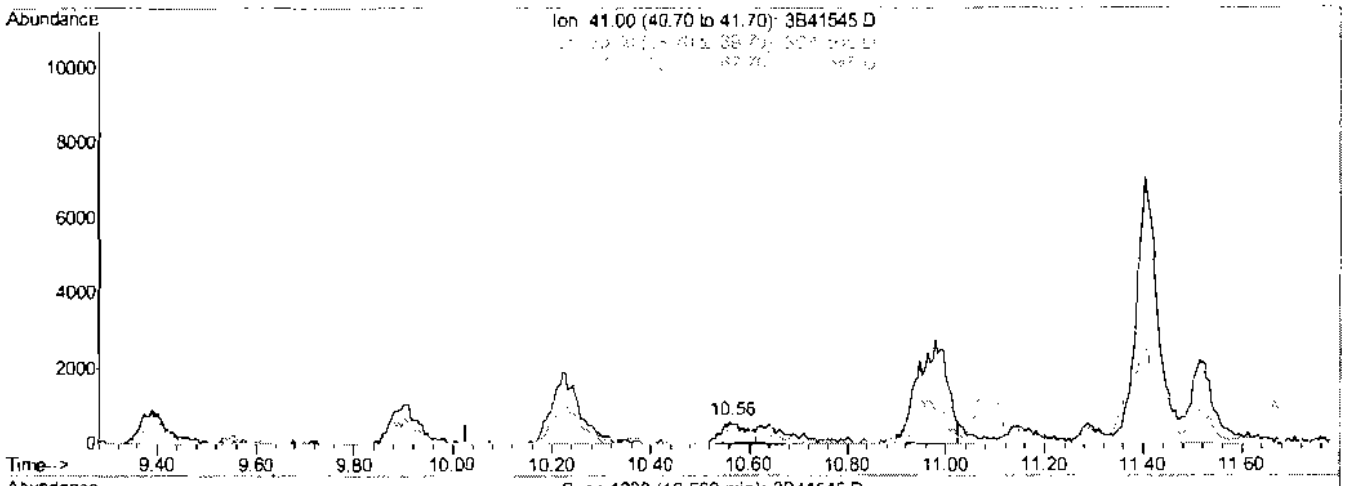
Ion	Exp%	Act%
64.00	100	100
66.00	29.70	34.70
49.00	20.90	27.57
0.00	0.00	0.00

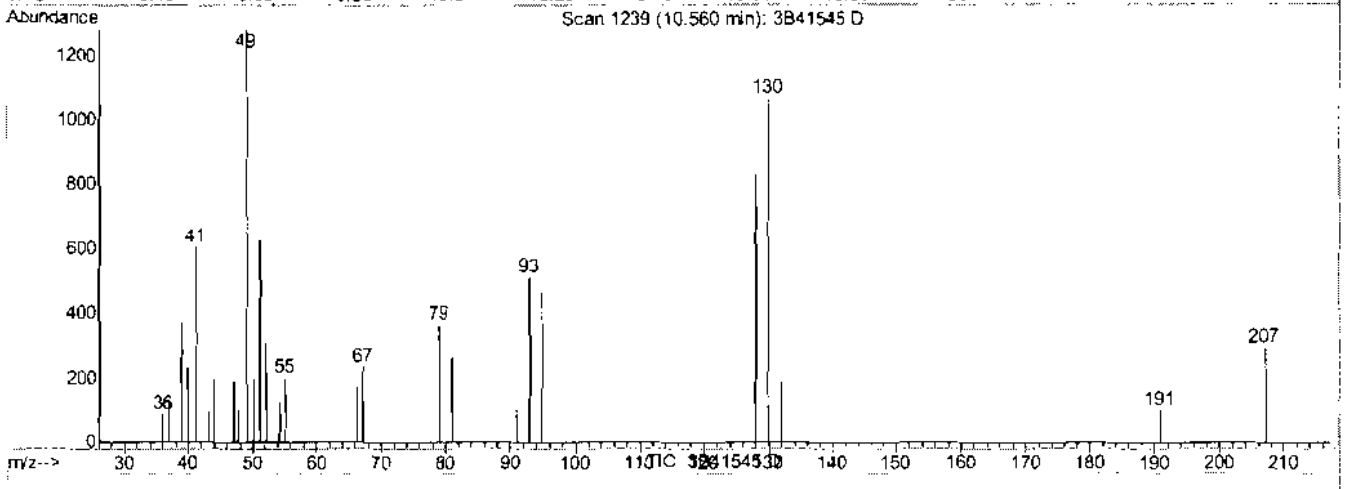
3B41545.D M3B1914.M Tue Dec 30 12:34:10 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41545.D Vial: 4
Acq On : 30 Dec 2008 11:15 am Operator: mohui
Sample : 1C1914-2 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:34 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 13:26:17 2008
Response via : Multiple Level Calibration





(34) METHACRYLONITRILE (M)

10.56min 1.83PPb

response 2039

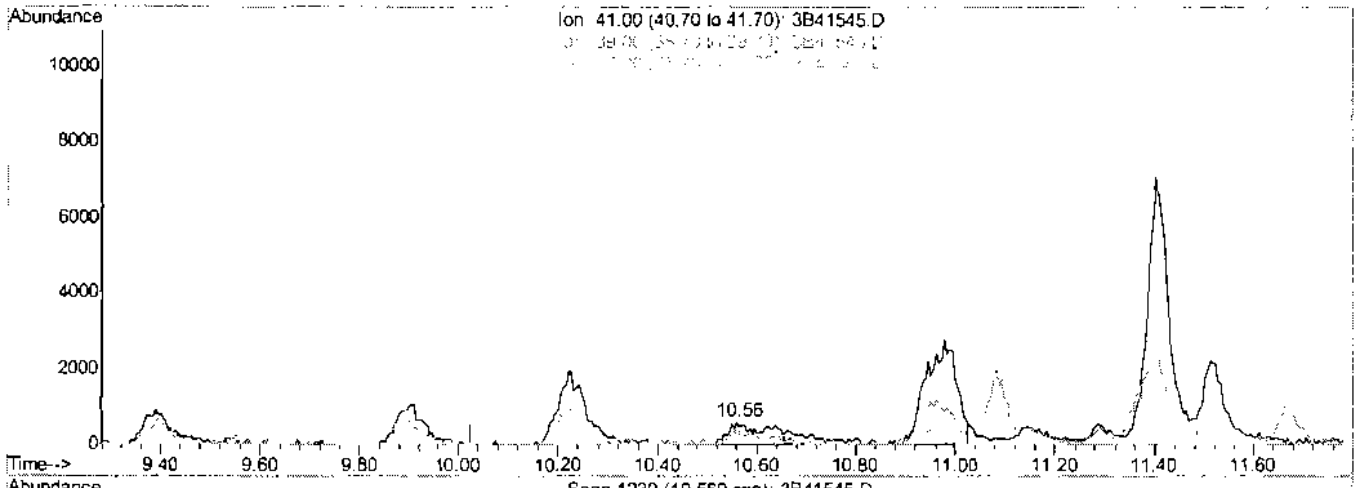
Ion	Exp%	Act%
41.00	100	100
39.00	55.10	53.21
67.00	72.00	28.51#
0.00	0.00	0.00

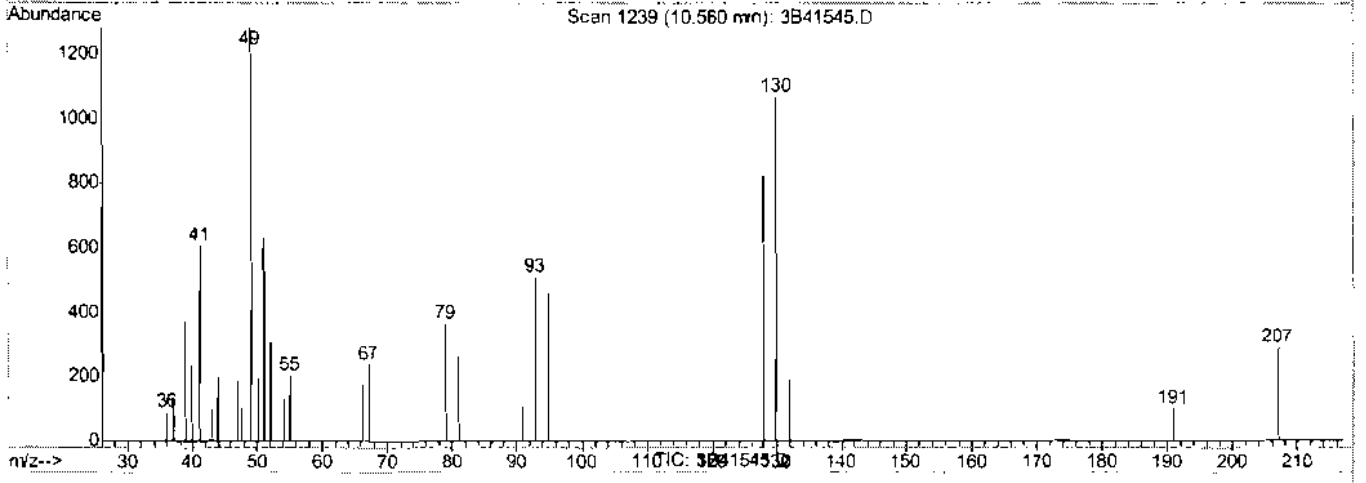
3B41545.D M3B1914.M Tue Dec 30 13:29:25 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41545.D Vial: 4
Acq On : 30 Dec 2008 11:15 am Operator: mohui
Sample : IC1914-2 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 13:29 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 13:28:17 2008
Response via : Multiple Level Calibration





(34) METHACRYLONITRILE (M)

10.56min 2.78PPb m

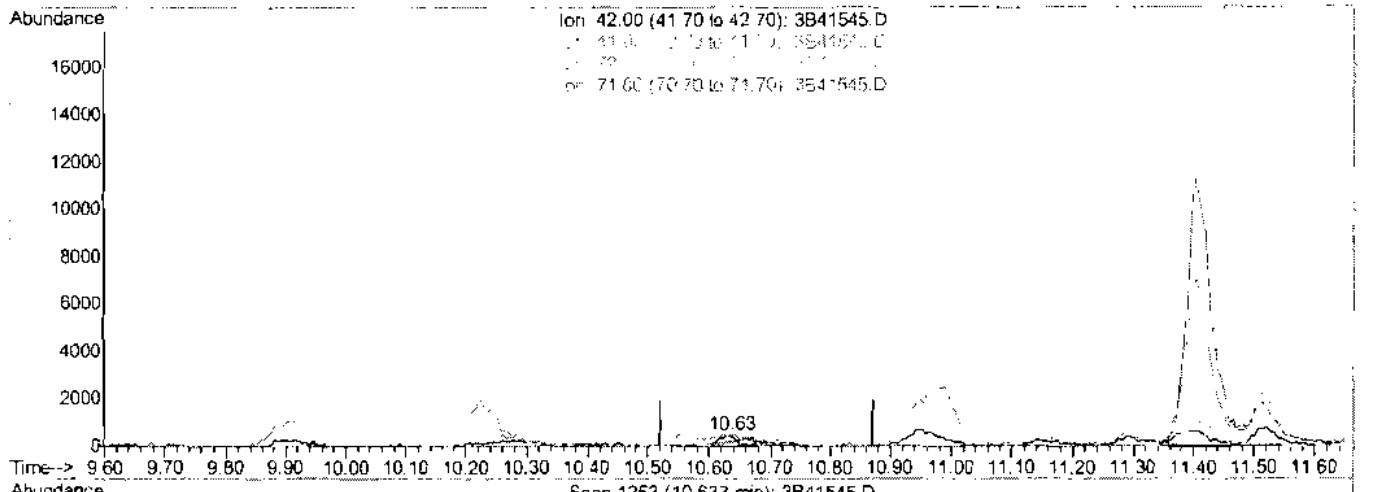
response 3095

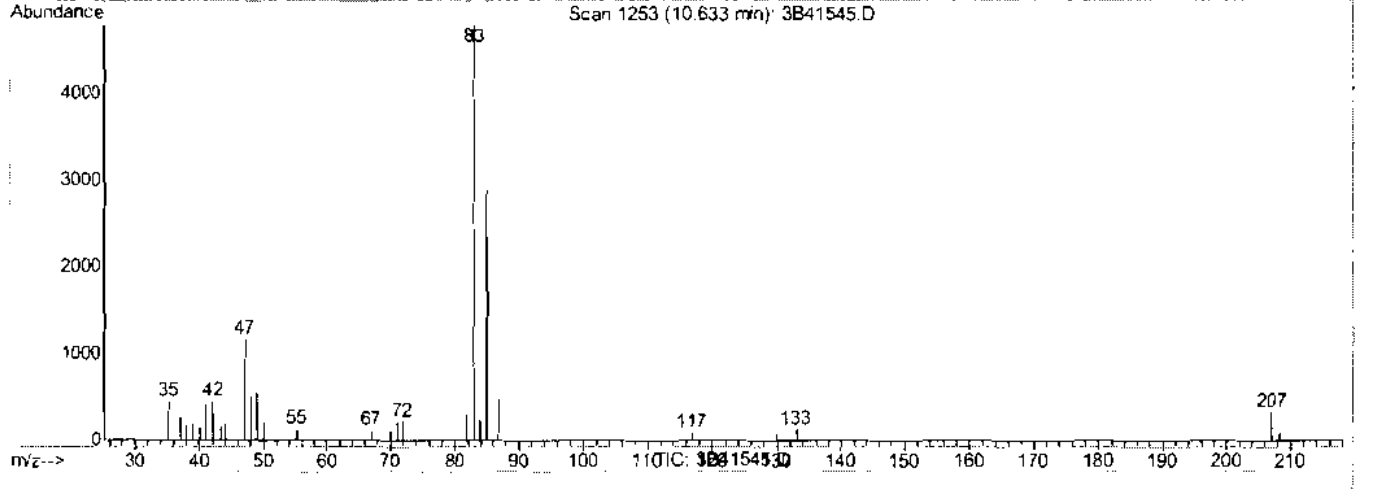
Ion	Exp%	Act%
41.00	100	100
39.00	55.10	61.45
67.00	72.00	39.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41545.D Vial: 4
Acq On : 30 Dec 2008 11:15 am Operator: mohui
Sample : IC1914-2 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multipl: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 13:29 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:30:17 2008
Response via : Multiple Level Calibration





(37) TETRAHYDROFURAN (M)

10.63min 1.20PPb

response 870

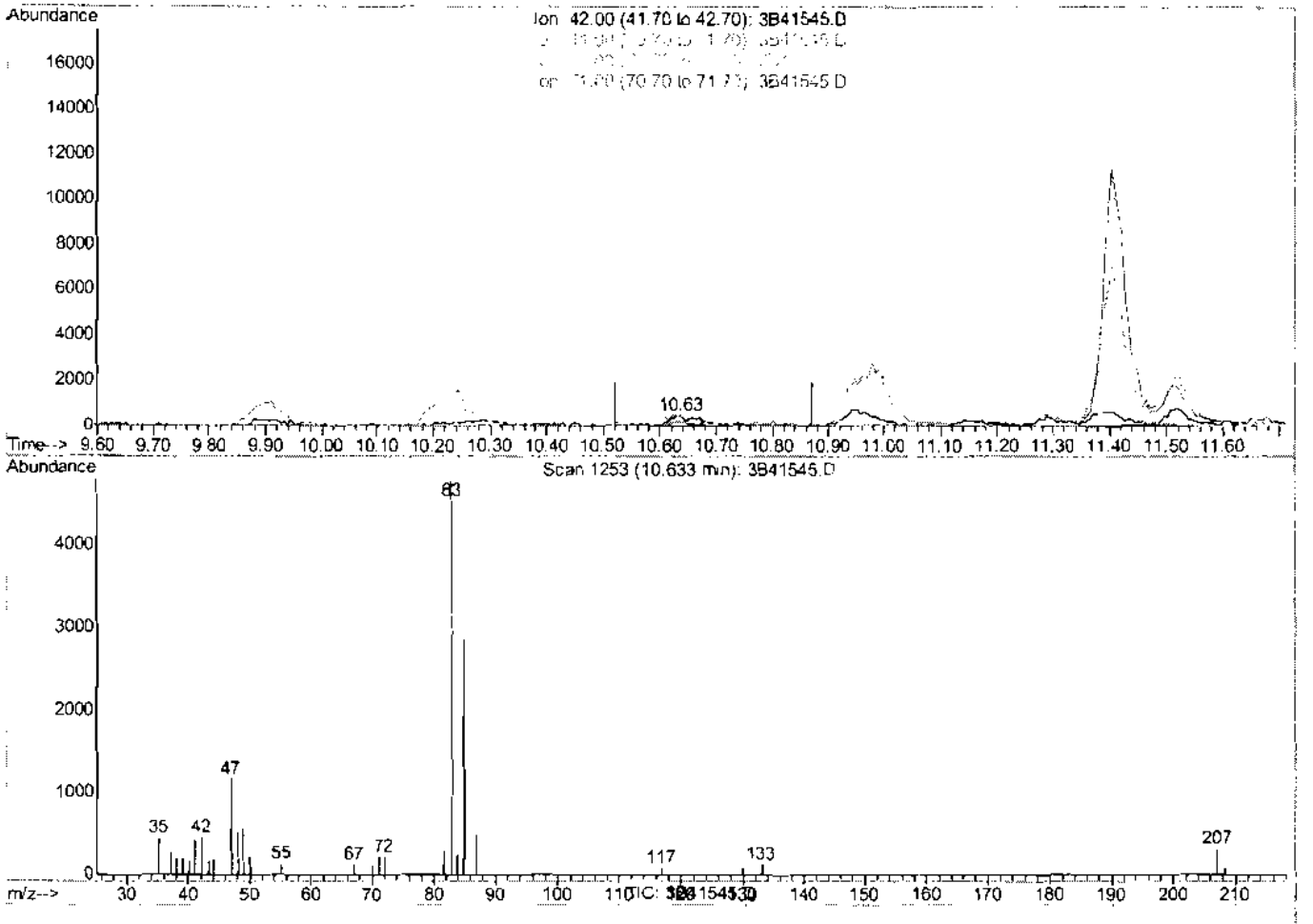
Ion	Exp%	Act%
42.00	100	100
41.00	34.40	10.65
72.00	53.60	38.85
71.00	43.20	41.58

3B41545.D M3B1914.M Tue Dec 30 14:31:26 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41545.D Vial: 4
Acq On : 30 Dec 2008 11:15 am Operator: mohui
Sample : IC1914-2 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 14:31 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:30:17 2008
Response via : Multiple Level Calibration



(37) TETRAHYDROFURAN (M)

10.63min 2.16PPb m

response 1561

Ion	Exp%	Act%
42.00	100	100
41.00	34.40	95.21#
72.00	53.60	47.71
71.00	43.20	44.66

3B41545.D M3B1914.M Tue Dec 30 14:31:45 2008 MS3B

Manual Integrations APPROVED (compounds with "m" flag)
Mei Chen
12/31/08 12:51

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41546.D Vial: 5
Acq On : 30 Dec 2008 11:47 am Operator: mohui
Sample : IC1914-5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multipl: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:41:21 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:33:04 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

Internal Standards	R.T.	Qion	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.34	65	27776	50.00	PPB		0.00
3) FLUOROBENZENE	11.66	96	55153	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.33	95	25467	5.30	PPb		0.00
Spiked Amount 5.000	Range 71 - 123		Recovery = 106.00%				
5) 1,2-DICHLOROBENZENE-d4 (S)	18.03	152	33134	5.23	PPb		0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 104.60%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.46	59	8427	33.44	PPb		94
6) DICHLORODIFLUOROMETHANE	4.24	85	27231	5.43	PPb		98
7) CHLOROMETHANE	4.68	50	20316	4.38	PPb		88
8) VINYL CHLORIDE	4.98	62	18035	4.97	PPb		97
9) BROMOMETHANE	5.78	94	14202	4.58	PPb		91
10) CHLOROETHANE	6.01	64	10476	5.44	PPb		90
11) TRICHLOROFLUOROMETHANE	6.53	101	38655	4.96	PPb		92
12) ETHYL ETHER	7.02	45	7917	6.17	PPb		87
13) ACROLEIN	7.34	56	12013	87.41	PPb		97
14) 1,1-DICHLOROETHYLENE	7.50	96	12987	5.50	PPb		86
15) FREON 113	7.48	151	15019	5.79	PPb		92
16) ACETONE	7.63	58	3048	23.12	PPb		70
17) IODOMETHANE	7.83	142	17637	5.52	PPb		83
18) CARBON DISULFIDE	7.97	76	44786	5.34	PPb		98
19) METHYL ACETATE	8.19	43	9379	8.92	PPb	#	100
20) ALLYL CHLORIDE	8.13	76	8213	6.14	PPb		90
21) METHYLENE CHLORIDE	8.36	84	16269	4.26	PPb		90
22) ACRYLONITRILE	8.78	53	24287	36.27	PPb		96
23) METHYL TERT BUTYL ETHER	8.71	73	49259	5.29	PPb		75
24) trans-1,2-DICHLOROETHYLENE	8.78	61	21944	5.51	PPb		83
25) HEXANE	9.10	57	14671	5.09	PPb		98
26) 1,1-DICHLOROETHANE	9.42	63	27302	5.23	PPb		94
27) DI-ISOPROPYL ETHER	9.38	45	40085	5.73	PPb		98
28) ETHYL TERT-BUTYL ETHER	9.89	59	50028	5.73	PPb		94
29) 2-BUTANONE	10.24	72	4944	22.29	PPb		72
30) 2,2-DICHLOROPROPANE	10.22	77	21028	5.08	PPb		96
31) cis-1,2-DICHLOROETHYLENE	10.24	61	28348	5.55	PPb		91
32) PROPIONITRILE	10.34	54	20841	67.34	PPb		77
33) METHYLACRYLATE	10.36	55	11926	8.33	PPb		100
34) METHACRYLONITRILE	10.53	41	6236m	5.54	PPb		
35) BROMOCHLOROMETHANE	10.57	128	8372	5.31	PPb		95
36) CHLOROFORM	10.63	83	32300	5.06	PPb		99
37) TETRAHYDROFURAN	10.62	42	3807	6.41	PPb		89
38) 1,1,1-TRICHLOROETHANE	10.89	97	33828	5.46	PPb		96
39) CYCLOHEXANE	10.95	84	19435	5.62	PPb	#	100
40) 1-CHLOROBUTANE	10.98	56	47931	5.62	PPb		86
41) 1,1-DICHLOROPROPENE	11.08	75	19412	5.57	PPb		91
42) CARBON TETRACHLORIDE	11.09	117	30696	5.20	PPb		98
43) 1,2-DICHLOROETHANE	11.39	62	26250	5.05	PPb		97
44) BENZENE	11.36	78	53579	5.23	PPb		93

(#) = qualifier out of range (m) = manual integration
3B41546.D M3B1914.M Wed Dec 31 09:03:42 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41546.D Vial: 5
Acq On : 30 Dec 2008 11:47 am Operator: mchui
Sample : 1C1914-5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:41:21 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:33:04 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	TERT AMYL METHYL ETHER	11.37	73	50019	5.58	PPB	#	99
46)	TRICHLOROETHYLENE	12.10	95	16055	5.48	PPb		86
47)	METHYLCYCLOHEXANE	12.31	83	23070	5.63	PPb		88
48)	METHYL METHACRYLATE	12.41	69	8057	6.67	PPb		89
49)	1,2-DICHLOROPROPANE	12.38	63	12976	5.43	PPb		87
50)	DIBROMOMETHANE	12.56	93	10907	5.36	PPb		89
51)	BROMODICHLOROMETHANE	12.69	83	24944	5.34	PPb		99
52)	CHLOROACETONITRILE	12.96	75	2781	18.23	PPb		91
53)	2-NITROPROPANE	12.94	41	8450	6.02	PPb		97
54)	2-CHLOROETHYL VINYL ETHER	12.94	63	44952	31.73	PPb		96
55)	cis-1,3-DICHLOROPROPENE	13.17	75	24473	5.24	PPb		97
56)	4-METHYL-2-PENTANONE	13.26	58	20605	17.49	PPb		97
57)	1,1-DICHLOROPROPANONE	13.39	43	7616	0.76	PPb		93
58)	TOLUENE	13.55	92	34972	5.52	PPb		92
59)	trans-1,3-DICHLOROPROPENE	13.77	75	24841	5.46	PPb		91
60)	ETHYL METHACRYLATE	13.75	69	15051	6.28	PPb		88
61)	1,1,2-TRICHLOROETHANE	14.00	83	11709	5.41	PPb		91
62)	1,3-DICHLOROPROPANE	14.20	76	23434	5.43	PPb		86
63)	2-HEXANONE	14.18	58	18199	18.56	PPb		98
64)	TETRACHLOROETHYLENE	14.17	166	19047	5.47	PPb		95
65)	DIBROMOCHLOROMETHANE	14.48	129	19822	5.31	PPb		96
66)	1,2-DIBROMOETHANE	14.64	107	15089	5.55	PPb		96
67)	CHLOROBENZENE	15.13	112	40903	5.30	PPb		97
68)	1,1,1,2-TETRACHLOROETHANE	15.19	131	19057	5.15	PPb		96
69)	ETHYLBENZENE	15.18	91	72771	5.89	PPb		96
70)	m,p-XYLENE	15.29	106	54040	11.08	PPb		81
71)	o-XYLENE	15.74	106	28160	5.89	PPb		92
72)	STYRENE	15.76	104	43523	6.25	PPb		94
73)	BROMOFORM	16.06	173	14785	5.07	PPb		96
74)	ISOPROPYLBENZENE	16.10	105	65131	5.73	PPb		93
75)	BROMOBENZENE	16.55	156	23169	5.43	PPb		83
76)	1,1,2,2-TETRACHLOROETHANE	16.44	83	20385	4.67	PPb		98
77)	TRANS-1,4-DICHLORO-2-BUTEN	16.49	53	7694	5.74	PPb		82
78)	1,2,3-TRICHLOROPROPANE	16.52	110	7324	4.60	PPb	#	78
79)	n-PROPYLBENZENE	16.54	91	91313	5.68	PPb		98
80)	O-CHLOROTOLUENE	16.71	91	66279	5.38	PPb		100
81)	1,3,5-TRIMETHYLBENZENE	16.69	105	70192	5.87	PPb		96
82)	P-CHLOROTOLUENE	16.82	91	57687	5.31	PPb		96
83)	tert-BUTYLBENZENE	17.07	119	59183	5.95	PPb		93
84)	1,2,4-TRIMETHYLBENZENE	17.12	105	72672	5.79	PPb		63
85)	PENTACHLOROETHANE	17.18	167	16033	5.25	PPb		98
86)	sec-BUTYLBENZENE	17.30	105	86318	5.69	PPb		96
87)	p-ISOPROPYLTOLUENE	17.42	119	82459	5.99	PPb		94
88)	M-DICHLOROBENZENE	17.53	146	44286	5.32	PPb		97
89)	P-DICHLOROBENZENE	17.62	146	47420	5.32	PPb		98
90)	n-BUTYLBENZENE	17.88	91	78356	5.79	PPb		97
91)	O-DICHLOROBENZENE	18.05	146	45728	5.15	PPb		96
92)	HEXACHLOROETHANE	18.33	201	16461	5.72	PPb		87
93)	1,2-DIBROMO-3-CHLOROPROPAN	18.91	155	4591	5.29	PPb	#	78

(#) = qualifier out of range (m) = manual integration
3B41546.D M3B1914.M Wed Dec 31 09:03:43 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41546.D Vial: 5
Acq On : 30 Dec 2008 11:47 am Operator: mohal
Sample : IC1914-5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:41:21 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:33:04 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

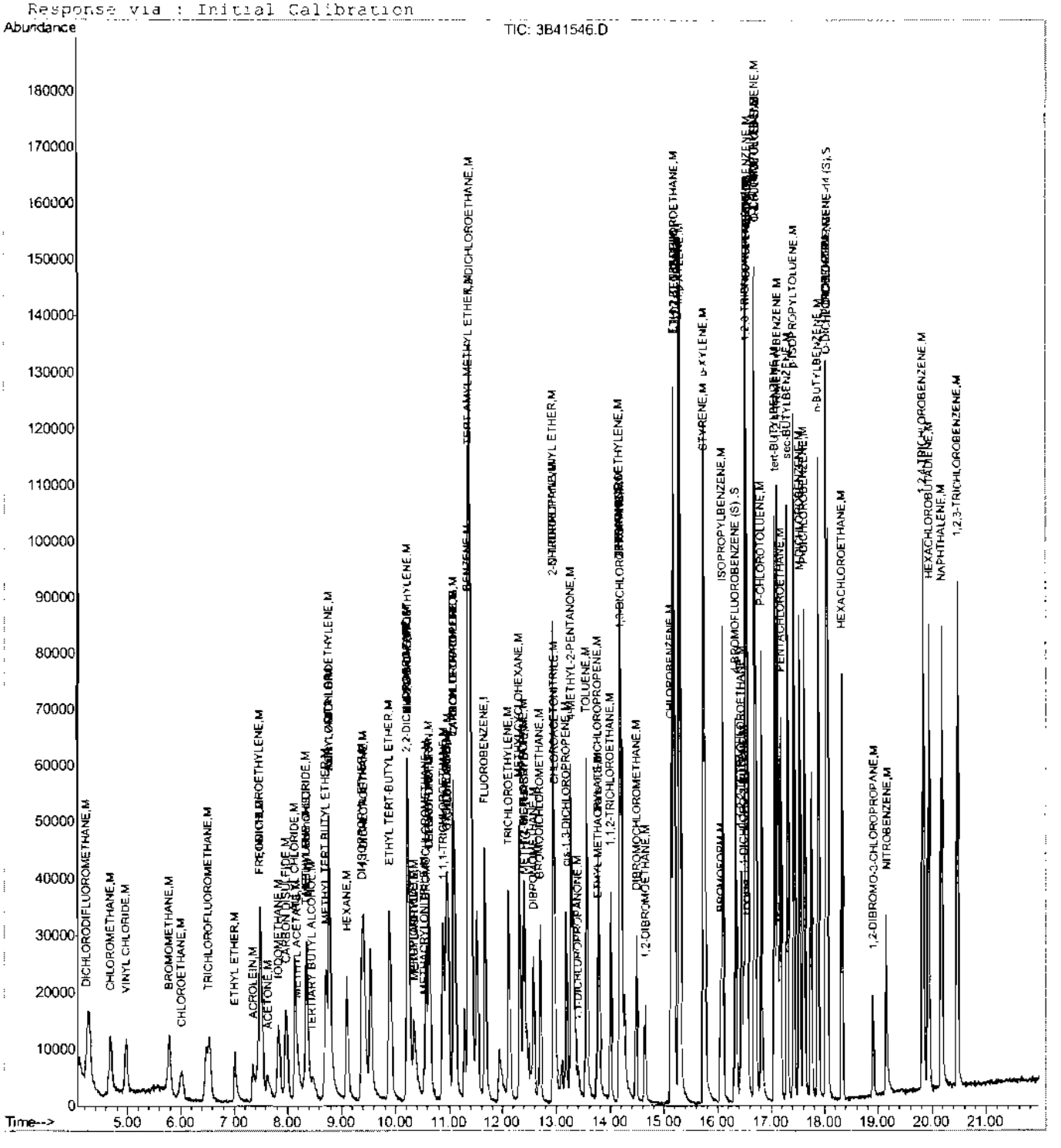
	Compound	R.T.	Qion	Response	Conc Unit	Qvalue
94)	NITROBENZENE	19.15	77	24111	40.09 PPb	94
95)	1,2,4-TRICHLOROBENZENE	19.83	180	42034	5.66 PPb	99
96)	HEXACHLOROBUTADIENE	19.94	225	23469	5.36 PPb	99
97)	NAPHTHALENE	20.17	128	89374	5.51 PPb	98
98)	1,2,3-TRICHLOROBENZENE	20.47	180	40040	5.42 PPb	99

(*) = qualifier out of range (m) = manual integration (+) = signals summed
3B41546.D M3B1914.M Wed Dec 31 09:03:43 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41546.D Vial: 5
Acq On : 30 Dec 2008 11:47 am Operator: mohui
Sample : TC1914-5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 13:32 2008 Quant Results File: M3B1914.RES

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration

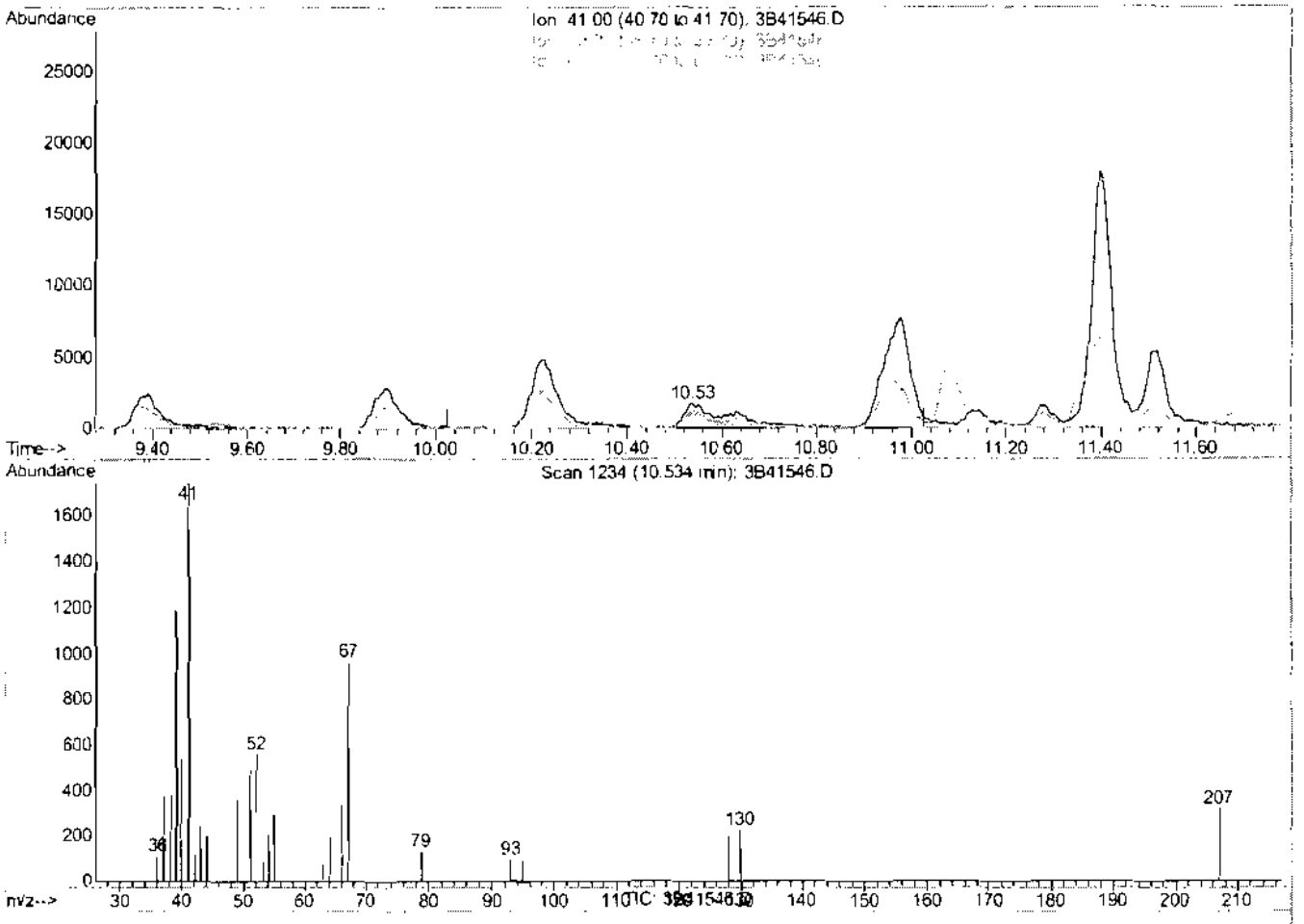


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41546.D Vial: 5
Acq On : 30 Dec 2008 11:47 am Operator: mohui
Sample : IC1914-5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multipir: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:41 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 13:30:18 2008
Response via : Multiple Level Calibration

6.6.4.1



(34) METHACRYLONITRILE (M)

10.53min 9.63PPb

response 10832

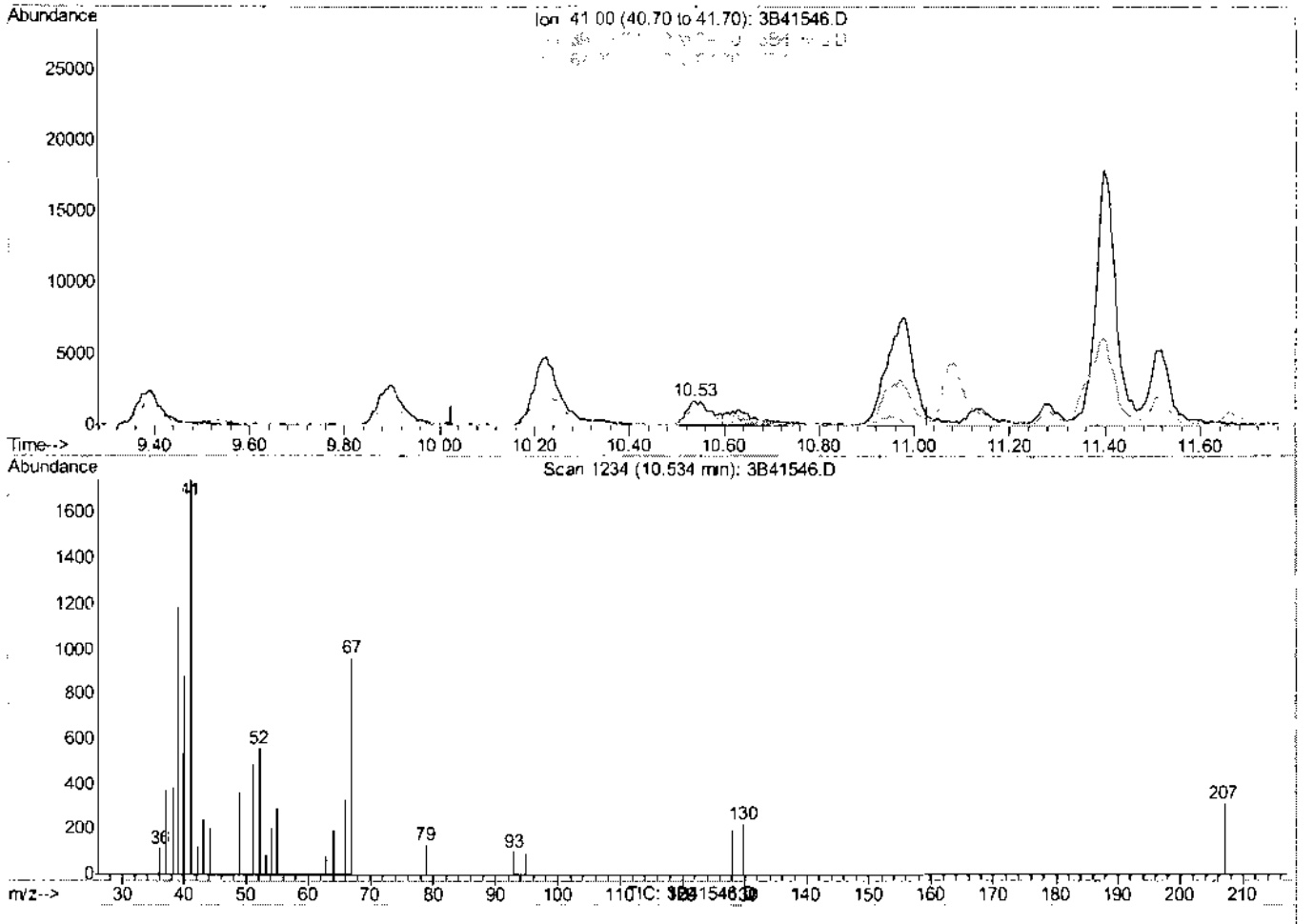
Ion	Exp%	Act%
41.00	100	100
39.00	55.10	62.82
67.00	72.00	57.22
0.00	0.00	0.00

3B41546.D M3B1914.M Tue Dec 30 13:32:00 2008 MS3B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41546.D Vial: 5
Acq On : 30 Dec 2008 11:47 am Operator: mohui
Sample : IC1914-5 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 13:32 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 13:30:18 2008
Response via : Multiple Level Calibration



(34) METHACRYLONITRILE (M)

10.53min 5.54PPb m

response 6238

Ion	Exp%	Act%
41.00	100	100
39.00	55.10	68.10
67.00	72.00	55.04
0.00	0.00	0.00

3B41546.D M3B1914.M Tue Dec 30 13:32:07 2008 MS3B

6.6.4.2 6

3B41546.D edits: METHACRYLONITRILE

Manual Integrations APPROVED (compounds with "m" flag)
Mei Chen
12/31/08 12:51

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41547.D Vial: 6
Acq On : 30 Dec 2008 12:19 pm Operator: mohui
Sample : ICC1914-10 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:47:00 2009 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:33:04 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

Internal Standards	R.T.	Qion	Response	Conc Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.34	65	18815	50.00 PPB		0.00
3) FLUOROBENZENE	11.66	96	56643	5.00 PPb		0.00
System Monitoring Compounds						
4) 4-BROMOFLUOROBENZENE (S)	16.33	95	26464	5.36 PPb		0.00
Spiked Amount 5.000	Range 71 - 123		Recovery = 107.20%			
5) 1,2-DICHLOROBENZENE-d4 (S)	18.03	152	35096	5.35 PPb		0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 107.80%			
Target Compounds						Qvalue
2) TERTIARY BUTYL ALCOHOL	8.47	59	19661	69.57 PPb		61
6) DICHLORODIFLUOROMETHANE	4.26	85	52709	10.23 PPb		99
7) CHLOROMETHANE	4.68	50	37598	7.90 PPb		93
8) VINYL CHLORIDE	4.98	62	36392	9.50 PPb		97
9) BROMOMETHANE	5.78	94	28054	8.81 PPb		97
10) CHLOROETHANE	6.02	64	19627	9.32 PPb		94
11) TRICHLOROFLUOROMETHANE	6.54	101	66567	9.02 PPb		98
12) ETHYL ETHER	7.00	45	15691	12.53 PPb		81
13) ACROLEIN	7.34	56	35802	253.66 PPb		91
14) 1,1-DICHLOROETHYLENE	7.50	96	26868	11.09 PPb	#	79
15) FREON 113	7.48	151	28250	10.60 PPb		92
16) ACETONE	7.61	58	8070m	59.59 PPb		
17) IODOMETHANE	7.82	142	56520	11.00 PPb		83
18) CARBON DISULFIDE	7.97	76	91256	10.59 PPb		99
19) METHYL ACETATE	8.15	43	19461	18.02 PPb	#	100
20) ALLYL CHLORIDE	8.13	76	14270	10.38 PPb	#	82
21) METHYLENE CHLORIDE	8.36	84	32470	8.29 PPb		90
22) ACRYLONITRILE	8.76	53	53452	77.72 PPb		97
23) METHYL TERT BUTYL ETHER	8.71	73	105398	11.02 PPb		71
24) trans-1,2-DICHLOROETHYLENE	8.78	61	43349	10.61 PPb		92
25) HEXANE	9.11	57	30769	10.40 PPb		99
26) 1,1-DICHLOROETHANE	9.41	63	54127	10.09 PPb		97
27) DI-ISOPROPYL ETHER	9.38	45	79913	11.13 PPb		99
28) ETHYL TERT-BUTYL ETHER	9.90	59	99297	11.07 PPb		97
29) 2-BUTANONE	10.23	72	21570	50.80 PPb		69
30) 2,2-DICHLOROPROPANE	10.22	77	62608	9.98 PPb		98
31) cis-1,2-DICHLOROETHYLENE	10.23	61	56936	10.64 PPb		90
32) PROPIONITRILE	10.33	54	45755	143.95 PPb		96
33) METHYLACRYLATE	10.33	55	28572	19.42 PPb		98
34) METHACRYLONITRILE	10.53	41	15428	13.35 PPb		84
35) BROMOCHLOROMETHANE	10.57	128	17859	11.03 PPb		89
36) CHLOROFORM	10.62	83	64512	9.84 PPb		96
37) TETRAHYDROFURAN	10.62	42	8709	14.28 PPb		90
38) 1,1,1-TRICHLOROETHANE	10.88	97	67338	10.59 PPb		99
39) CYCLOHEXANE	10.95	84	43039	12.11 PPb	#	100
40) 1-CHLOROBUTANE	10.97	56	102199	11.67 PPb		87
41) 1,1-DICHLOROPROPENE	11.08	75	40947	11.44 PPb		92
42) CARBON TETRACHLORIDE	11.09	117	62519	10.30 PPb		98
43) 1,2-DICHLOROETHANE	11.38	62	64227	10.16 PPb		94
44) BENZENE	11.36	78	109191	10.37 PPb		95

(#) = qualifier out of range (m) = manual integration
3B41547.D M3B1914.M Wed Dec 31 09:05:56 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41547.D Vial: 6
Acq On : 30 Dec 2008 12:19 pm Operator: mohui
Sample : ICC1914-10 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:47:00 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:33:04 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

	Compound	R.T.	Qion	Response	Conc	Unit		Qvalue
45)	TERT AMYL METHYL ETHER	11.37	73	96357	10.46	PPB	#	98
46)	TRICHLOROETHYLENE	12.10	95	52835	10.92	PPb		91
47)	METHYLCYCLOHEXANE	12.31	83	47255	11.23	PPb		91
48)	METHYL METHACRYLATE	12.40	69	17187	13.86	PPb		82
49)	1,2-DICHLOROPROPANE	12.39	63	27701	11.30	PPb		89
50)	DIBROMOMETHANE	12.56	93	23187	11.09	PPb		88
51)	BROMODICHLOROMETHANE	12.69	83	52609	10.96	PPb		98
52)	CHLOROACETONITRILE	12.94	75	8588	40.32	PPb		69
53)	2-NITROPROPANE	12.93	41	16758	11.62	PPb		92
54)	2-CHLOROETHYL VINYL ETHER	12.92	63	95596	65.71	PPb		98
55)	cis-1,3-DICHLOROPROPENE	13.17	75	52908	11.03	PPb		97
56)	4-METHYL-2-PENTANONE	13.26	58	45815	37.46	PPb		98
57)	1,1-DICHLOROPROPANONE	13.39	43	16306	1.58	PPb		99
58)	TOLUENE	13.55	92	73527	11.30	PPb		98
59)	trans-1,3-DICHLOROPROPENE	13.77	75	54590	11.69	PPb		93
60)	ETHYL METHACRYLATE	13.75	69	35402	14.38	PPb		87
61)	1,1,2-TRICHLOROETHANE	14.00	83	24714	11.12	PPb		98
62)	1,3-DICHLOROPROPANE	14.19	76	49599	11.20	PPb		86
63)	2-HEXANONE	14.17	58	42439	42.13	PPb		96
64)	TETRACHLOROETHYLENE	14.17	166	39974	11.18	PPb		99
65)	DIBROMOCHLOROMETHANE	14.48	129	43163	11.27	PPb		97
66)	1,2-DIBROMOETHANE	14.64	107	33296	11.94	PPb		94
67)	CHLOROBENZENE	15.13	112	90499	11.41	PPb		97
68)	1,1,1,2-TETRACHLOROETHANE	15.19	131	40882	10.76	PPb		98
69)	ETHYLBENZENE	15.17	91	154189	12.16	PPb		95
70)	m,p-XYLENE	15.29	106	116970	23.35	PPb		92
71)	o-XYLENE	15.74	106	60066	12.23	PPb		77
72)	STYRENE	15.75	104	95545	13.35	PPb		95
73)	BROMOFORM	16.06	173	33784	11.28	PPb		95
74)	ISOPROPYLBENZENE	16.10	105	145237	12.43	PPb		94
75)	BROMOBENZENE	16.55	156	48959	11.18	PPb		98
76)	1,1,2,2-TETRACHLOROETHANE	16.44	83	45486	10.15	PPb		97
77)	TRANS-1,4-DICHLORO-2-BUTEN	16.49	53	17191	12.50	PPb		91
78)	1,2,3-TRICHLOROPROPANE	16.52	110	15730	9.61	PPb	#	80
79)	n-PROPYLBENZENE	16.53	91	193345	11.71	PPb		96
80)	O-CHLOROTOLUENE	16.71	91	137972	10.91	PPb		98
81)	1,3,5-TRIMETHYLBENZENE	16.69	105	154000	12.55	PPb		95
82)	P-CHLOROTOLUENE	16.82	91	123761	11.08	PPb		95
83)	tert-BUTYLBENZENE	17.07	119	131121	12.83	PPb		90
84)	1,2,4-TRIMETHYLBENZENE	17.12	105	160412	12.45	PPb		94
85)	PENTACHLOROETHANE	17.18	167	34913	11.15	PPb		97
86)	sec-BUTYLBENZENE	17.30	105	191411	12.29	PPb		97
87)	p-ISOPROPYLTOLUENE	17.42	119	181135	12.81	PPb		96
88)	M-DICHLOROBENZENE	17.53	146	94410	11.05	PPb		96
89)	P-DICHLOROBENZENE	17.62	146	100079	10.92	PPb		96
90)	n-BUTYLBENZENE	17.87	91	173760	12.51	PPb		97
91)	O-DICHLOROBENZENE	18.05	146	98350	10.76	PPb		96
92)	HEXACHLOROETHANE	18.33	201	35970	12.18	PPb		94
93)	1,2-DIBROMO-3-CHLOROPROPAN	18.91	155	10615	11.92	PPb	#	75

(#) = qualifier out of range (m) = manual integration
3B41547.D M3B1914.M Wed Dec 31 09:03:50 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41547.D Vial: 6
Acq On : 30 Dec 2008 12:19 pm Operator: mchui
Sample : ICC1914-10 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:47:00 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 12:33:04 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

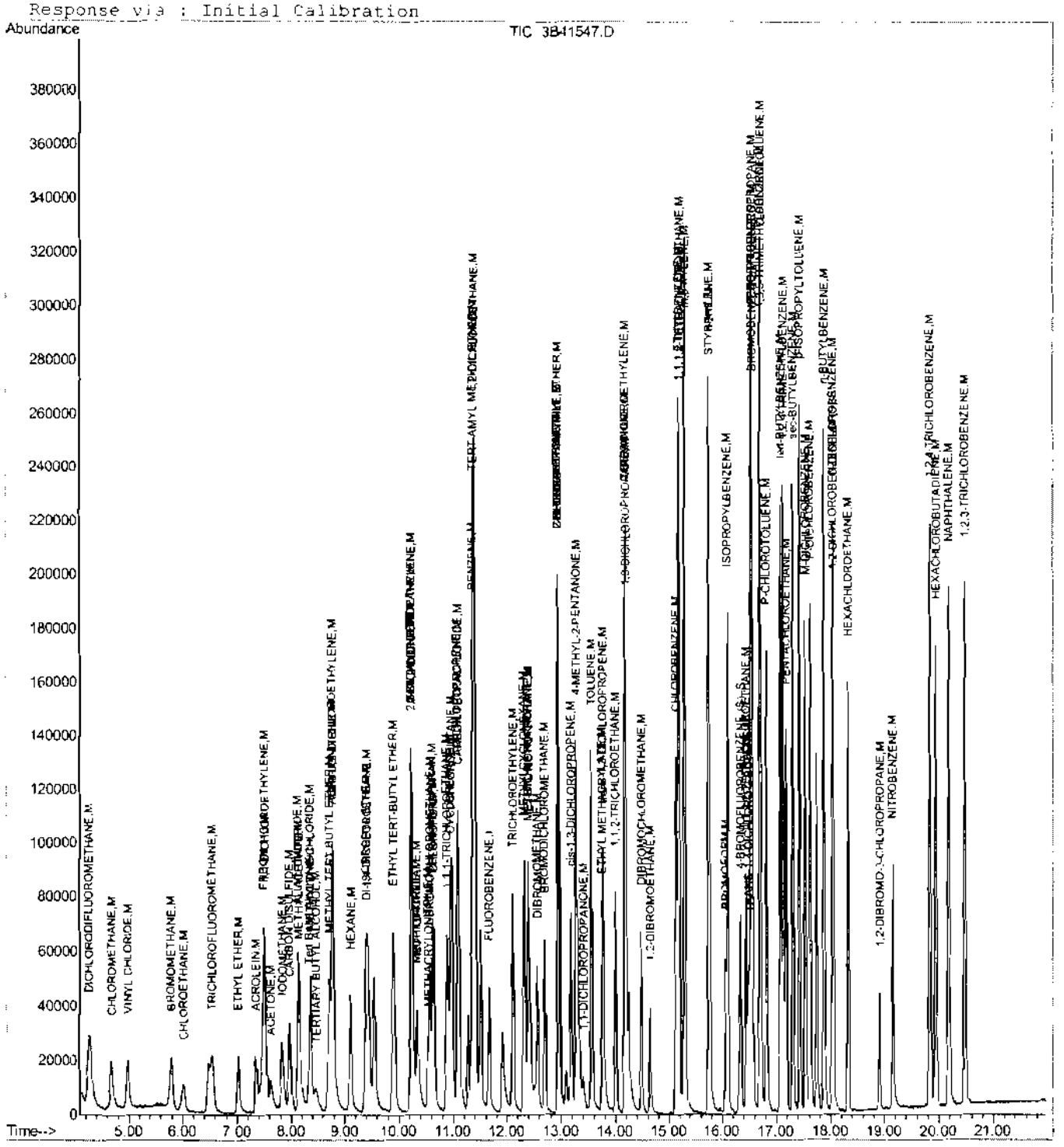
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
94) NITROBENZENE	19.15	77	63093	102.14	PPb	92
95) 1,2,4-TRICHLOROBENZENE	19.83	180	94420	12.59	PPb	99
96) HEXACHLOROBUTADIENE	19.94	225	51097	11.41	PPb	98
97) NAPHTHALENE	20.17	128	209224	12.56	PPb	98
98) 1,2,3-TRICHLOROBENZENE	20.47	180	89567	11.85	PPb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3B41547.D M3B1914.M Wed Dec 31 09:03:51 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41547.D Vial: 6
Acq On : 30 Dec 2008 12:19 pm Operator: mohui
Sample : ICC1914-10 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 13:05 2008 Quant Results File: M3B1914.RES

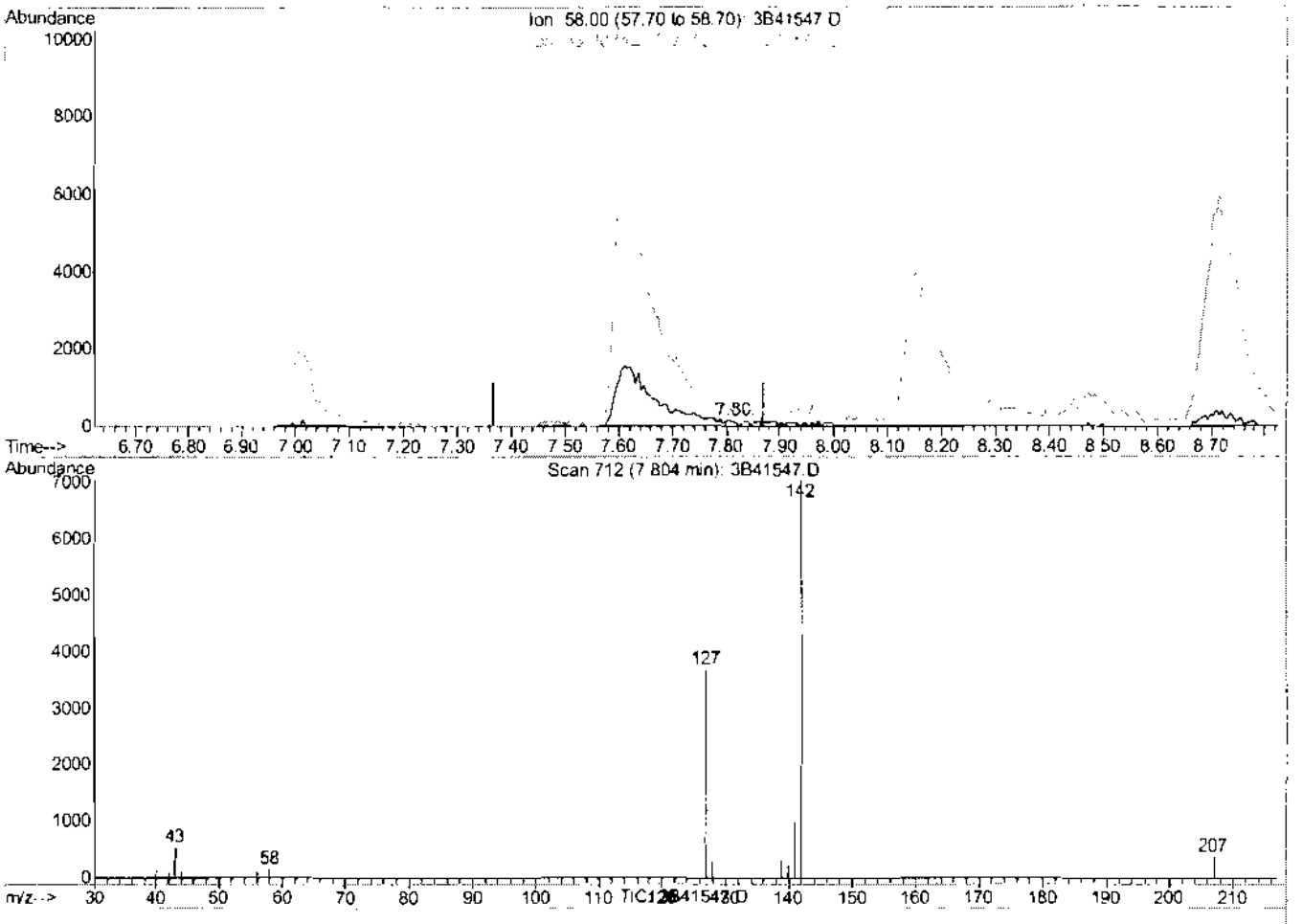
Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41547.D Vial: 6
Acq On : 30 Dec 2008 12:19 pm Operator: mohui
Sample : ICC1914-10 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multipir: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 12:47 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 13:05:14 2008
Response via : Multiple Level Calibration



(16) ACETONE (M)

7.80min 1.22PPb

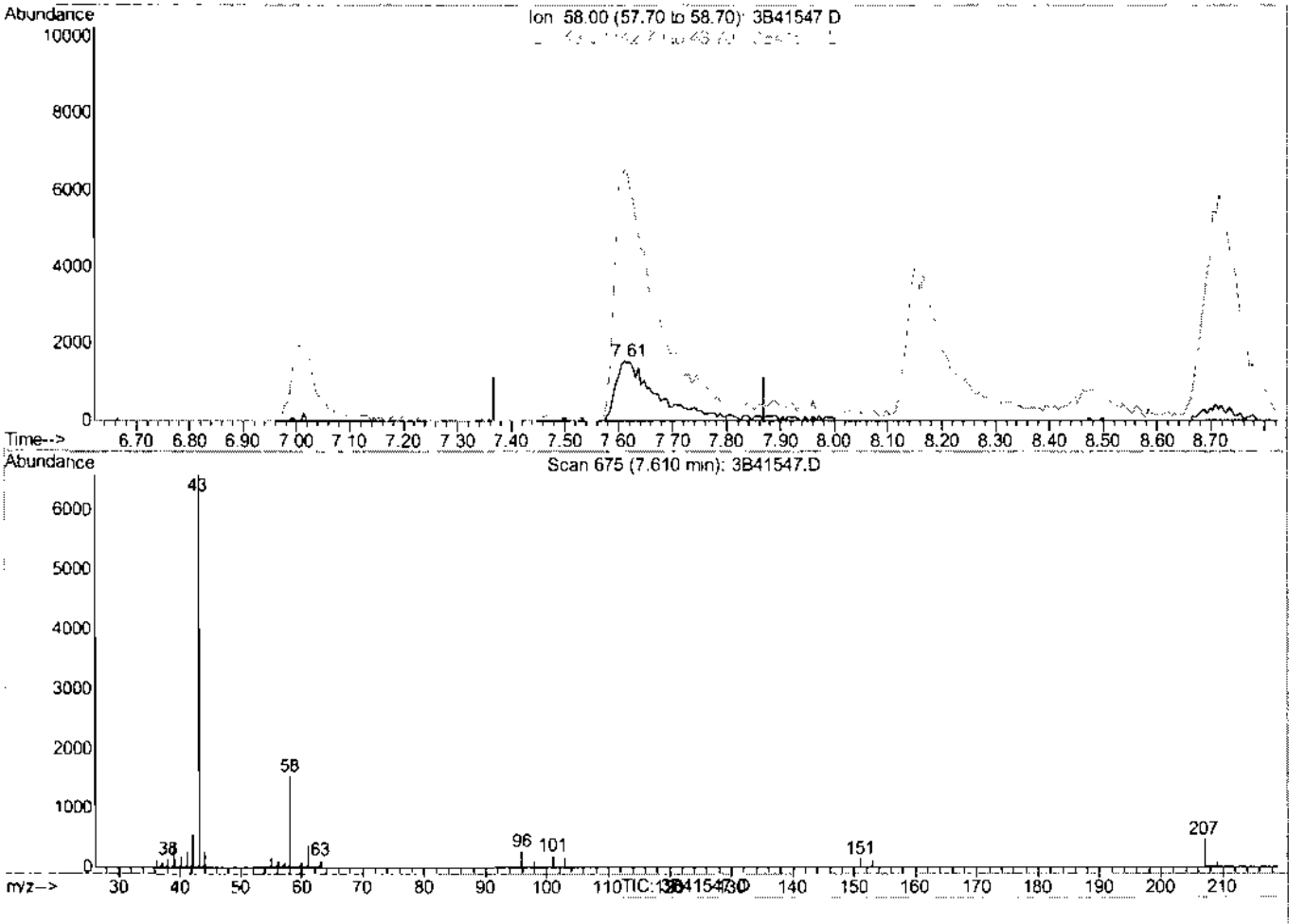
response 165

Ion	Exp%	Act%
58.00	100	100
43.00	290.60	329.52
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3B41547.D Vial: 6
Acq On : 30 Dec 2008 12:19 pm Operator: mohui
Sample : ICC1914-10 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 13:05 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 13:05:14 2008
Response via : Multiple Level Calibration



(16) ACETONE (M)

7.61min 59.59PPb m

response 8070

Ion	Exp%	Act%
58.00	100	100
43.00	290.60	429.88#
0.00	0.00	0.00
0.00	0.00	0.00

3B41547.D M3B1914.M Tue Dec 30 13:05:55 2008 MS3B

6.6.5.2

6

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41548.D Vial: 7
Acq On : 30 Dec 2008 12:52 pm Operator: monui
Sample : IC1914-20 Inst : MS3B
Misc : MS74478,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 13:27:43 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 13:27:39 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.36	65	20115	50.00	PPB		0.02
3) FLUOROBENZENE	11.67	96	65315	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.33	95	29564	5.23	PPb		0.00
Spiked Amount 5.000	Range 71 - 123		Recovery = 104.60%				
5) 1,2-DICHLOROBENZENE-d4 (S)	18.03	152	39368	5.27	PPb		0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 105.40%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.47	59	32444	94.27	PPb		85
6) DICHLORODIFLUOROMETHANE	4.26	85	110393	19.31	PPb		99
7) CHLOROMETHANE	4.69	50	75987	15.57	PPb		92
8) VINYL CHLORIDE	4.98	62	75090	18.06	PPb		97
9) BROMOMETHANE	5.80	94	55067	16.41	PPb		97
10) CHLOROETHANE	6.03	64	38850	16.66	PPb		88
11) TRICHLOROFLUOROMETHANE	6.54	101	134411	17.10	PPb		98
12) ETHYL ETHER	7.01	45	30217	19.37	PPb		88
13) ACROLEIN	7.33	56	77806	200.00	PPb		84
14) 1,1-DICHLOROETHYLENE	7.50	96	49605	18.24	PPb		86
15) FREON 113	7.50	151	62325	17.87	PPb		93
16) ACETONE	7.61	58	16195	113.68	PPb	#	36
17) IODOMETHANE	7.84	142	103661	18.04	PPb		97
18) CARBON DISULFIDE	7.97	76	166984	17.55	PPb		98
19) METHYL ACETATE	8.14	43	32620	16.12	PPb	#	100
20) ALLYL CHLORIDE	8.13	76	29662	19.30	PPb	#	79
21) METHYLENE CHLORIDE	8.36	84	56494	14.14	PPb		87
22) ACRYLONITRILE	8.76	53	92915	96.62	PPb		96
23) METHYL TERT BUTYL ETHER	8.72	73	192983	18.03	PPb		80
24) trans-1,2-DICHLOROETHYLENE	8.77	61	77529	17.23	PPb		90
25) HEXANE	9.10	57	61219	18.62	PPb		98
26) 1,1-DICHLOROETHANE	9.42	63	96689	16.64	PPb		96
27) DI-ISOPROPYL ETHER	9.38	45	146575	18.19	PPb		99
28) ETHYL TERT-BUTYL ETHER	9.90	59	180053	17.94	PPb		93
29) 2-BUTANONE	10.21	72	73282	84.47	PPb		87
30) 2,2-DICHLOROPROPANE	10.31	77	109077	16.16	PPb		96
31) cis-1,2-DICHLOROETHYLENE	10.53	61	101418	17.45	PPb		90
32) PROPIONITRILE	10.92	54	79145	194.17	PPb		97
33) METHYLACRYLATE	10.82	55	53918	21.26	PPb		81
34) METHACRYLONITRILE	10.52	41	28266	17.43	PPb		93
35) BROMOCHLOROMETHANE	10.57	128	32828	18.11	PPb		95
36) CHLOROFORM	10.63	83	114506	16.26	PPb		98
37) TETRAHYDROFURAN	10.61	42	12823	17.52	PPb		94
38) 1,1,1-TRICHLOROETHANE	10.88	97	120622	17.19	PPb		99
39) CYCLOHEXANE	10.95	84	81370	19.72	PPb	#	100
40) 1-CHLOROBUTANE	10.97	56	165399	18.59	PPb		89
41) 1,1-DICHLOROPROPENE	11.08	75	79158	18.53	PPb		95
42) CARBON TETRACHLORIDE	11.10	117	111391	16.84	PPb		96
43) 1,2-DICHLOROETHANE	11.38	62	93514	16.21	PPb		90
44) BENZENE	11.36	78	198649	17.22	PPb		96

(#) = qualifier out of range (m) = manual integration
3B41548.D M3B1914.M Wed Dec 31 09:03:58 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41548.D Vial: 7
Acq On : 30 Dec 2008 12:52 pm Operator: manual
Sample : IC1914-20 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 13:27:43 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 13:27:39 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	TERT AMYL METHYL ETHER	11.38	73	175564	17.35	PPB	#	50
46)	TRICHLOROETHYLENE	12.10	95	59066	17.66	PPb		95
47)	METHYLCYCLOHEXANE	12.31	83	95400	19.83	PPb		93
48)	METHYL METHACRYLATE	12.39	69	34702	22.20	PPb	#	65
49)	1,2-DICHLOROPROPANE	12.38	63	48576	17.68	PPb		91
50)	DIBROMOMETHANE	12.56	93	40168	17.27	PPb		92
51)	BROMODICHLOROMETHANE	12.69	83	92591	17.38	PPb		97
52)	CHLOROACETONITRILE	12.94	75	17014	79.04	PPb		89
53)	2-NITROPROPANE	12.93	41	29003	17.80	PPb		93
54)	2-CHLOROETHYL VINYL ETHER	12.93	63	169742	98.50	PPb		99
55)	cis-1,3-DICHLOROPROPENE	13.17	75	95866	17.89	PPb		96
56)	4-METHYL-2-PENTANONE	13.26	58	89549	69.93	PPb		97
57)	1,1-DICHLOROPROPANONE	13.39	43	27396	13.27	PPb		93
58)	TOLUENE	13.55	92	137008	18.61	PPb		98
59)	trans-1,3-DICHLOROPROPENE	13.77	75	99621	18.70	PPb		92
60)	ETHYL METHACRYLATE	13.74	69	70097	21.27	PPb		91
61)	1,1,2-TRICHLOROETHANE	14.00	83	45329	18.18	PPb		96
62)	1,3-DICHLOROPROPANE	14.19	76	85956	17.40	PPb		92
63)	2-HEXANONE	14.17	58	85424	75.85	PPb		95
64)	TETRACHLOROETHYLENE	14.17	166	75490	18.69	PPb		97
65)	DIBROMOCHLOROMETHANE	14.48	129	79872	18.47	PPb		98
66)	1,2-DIBROMOETHANE	14.64	107	61827	19.23	PPb		94
67)	CHLOROBENZENE	15.13	112	167343	18.60	PPb		97
68)	1,1,1,2-TETRACHLOROETHANE	15.19	131	73624	17.50	PPb		98
69)	ETHYLBENZENE	15.17	91	287628	19.54	PPb		96
70)	m,p-XYLENE	15.28	106	216071	37.76	PPb		90
71)	o-XYLENE	15.74	106	112993	19.75	PPb		84
72)	STYRENE	15.75	104	181107	21.00	PPb		95
73)	BROMOFORM	16.06	173	63715	18.79	PPb		98
74)	ISOPROPYLBENZENE	16.10	105	271412	19.85	PPb		97
75)	BROMOBENZENE	16.55	156	80113	18.29	PPb		95
76)	1,1,2,2-TETRACHLOROETHANE	16.44	83	82274	16.88	PPb		96
77)	TRANS-1,4-DICHLORO-2-BUTEN	16.49	53	30979	17.92	PPb		88
78)	1,2,3-TRICHLOROPROPANE	16.52	110	29369	16.73	PPb		92
79)	n-PROPYLBENZENE	16.53	91	354997	18.82	PPb		98
80)	O-CHLOROTOLUENE	16.71	91	248740	17.68	PPb		97
81)	1,3,5-TRIMETHYLBENZENE	16.69	105	275368	19.24	PPb		97
82)	P-CHLOROTOLUENE	16.81	91	227761	18.18	PPb		98
83)	tert-BUTYLBENZENE	17.07	119	245375	20.37	PPb		93
84)	1,2,4-TRIMETHYLBENZENE	17.12	105	291791	19.42	PPb		96
85)	PENTACHLOROETHANE	17.18	167	64268	16.26	PPb		99
86)	sec-BUTYLBENZENE	17.30	105	358432	19.74	PPb		97
87)	p-ISOPROPYLTOLUENE	17.42	119	335350	20.07	PPb		96
88)	M-DICHLOROBENZENE	17.53	146	172531	18.04	PPb		97
89)	P-DICHLOROBENZENE	17.62	146	183192	17.93	PPb		99
90)	n-BUTYLBENZENE	17.87	91	322118	19.80	PPb		99
91)	O-DICHLOROBENZENE	18.05	146	181124	17.86	PPb		98
92)	HEXACHLOROETHANE	18.33	201	69247	20.09	PPb		95
93)	1,2-DIBROMO-3-CHLOROPROPAN	18.91	155	20370	19.75	PPb		92

(#) = qualifier out of range (m) = manual integration
3B41548.D M3B1914.M Wed Dec 31 09:03:58 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41548.D Vial: 7
Acq On : 30 Dec 2008 12:52 pm Operator: mohsi
Sample : IC1914-20 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 13:27:43 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 13:27:39 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

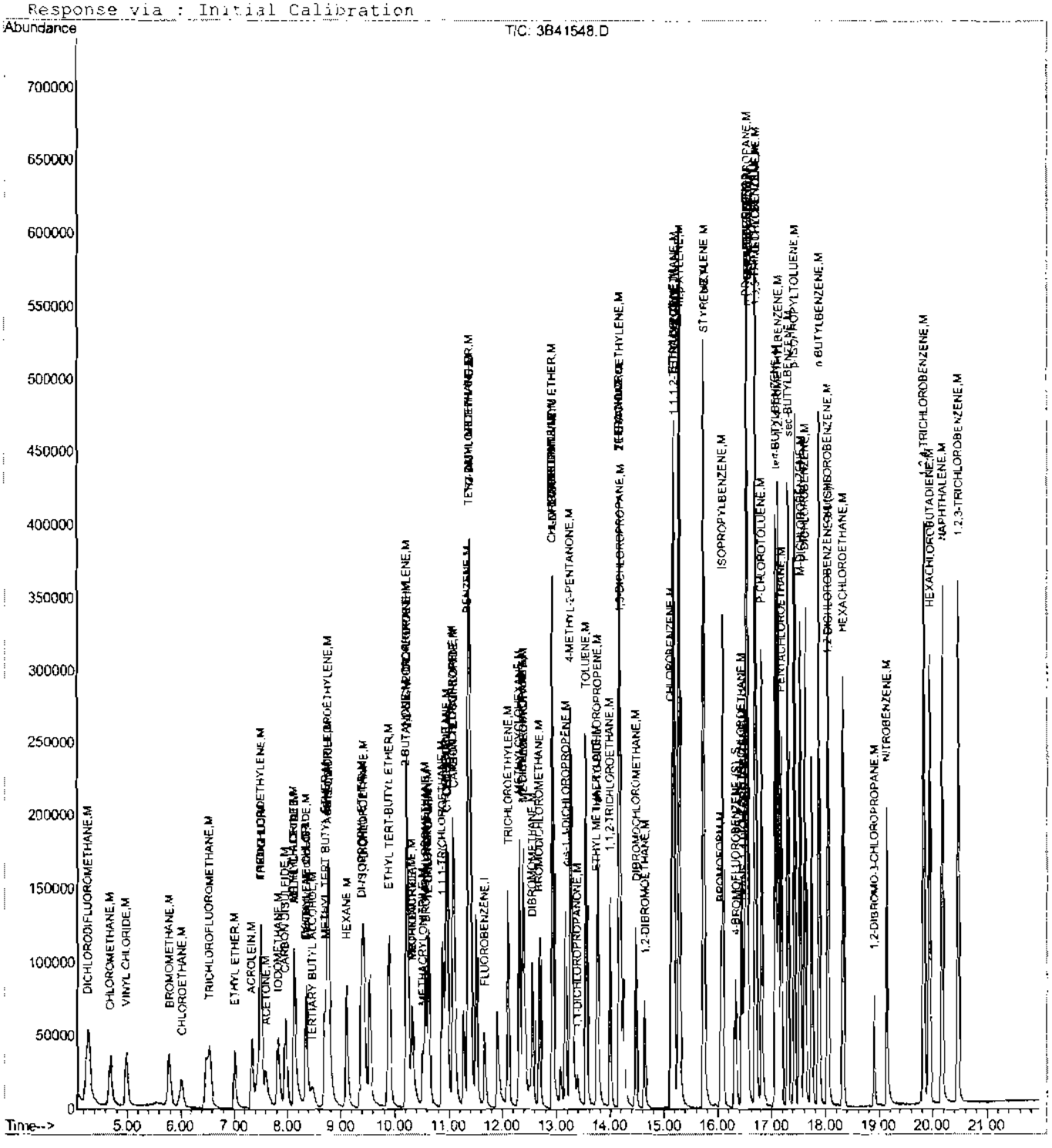
	Compound	R.T.	Qion	Response	Conc Unit	Qvalue
94)	NITROBENZENE	19.15	77	134271	194.66 PPb	96
95)	1,2,4-TRICHLOROBENZENE	19.83	180	177153	19.87 PPb	99
96)	HEXACHLOROBUTADIENE	19.94	225	95093	18.66 PPb	98
97)	NAPHTHALENE	20.12	128	389946	19.94 PPb	99
98)	1,2,3-TRICHLOROBENZENE	20.47	180	166282	19.07 PPb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41548.D Vial: 7
Acq On : 30 Dec 2008 12:52 pm Operator: mohit
Sample : IC1914-20 Inst : M33B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 13:27 2008 Quant Results File: M3B1914.RES

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41550.D Vial: 8
Acq On : 30 Dec 2008 1:57 pm Operator: mchui
Sample : IC1914-40 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 14:24:35 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:24:07 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.34	65	23155	50.00	PPB		0.00
3) FLUOROBENZENE	11.66	96	71273	5.00	PPb		-0.01
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.33	95	35019	5.43	PPb		0.00
Spiked Amount 5.000	Range 71 - 123		Recovery = 108.60%				
5) 1,2-DICHLOROBENZENE-d4 (S)	18.02	152	44174	5.22	PPb		0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 104.40%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.47	59	75677	192.45	PPb		61
6) DICHLORODIFLUOROMETHANE	4.24	85	165524	29.88	PPb		99
7) CHLOROMETHANE	4.68	50	129662	30.09	PPb		96
8) VINYL CHLORIDE	4.98	62	129830	29.00	PPb		97
9) BROMOMETHANE	5.78	94	93561	24.77	PPb		98
10) CHLOROETHANE	6.01	64	65240	26.27	PPb		92
11) TRICHLOROFLUOROMETHANE	6.53	101	225483	26.88	PPb		99
12) ETHYL ETHER	7.00	45	61328	35.56	PPb		91
14) 1,1-DICHLOROETHYLENE	7.50	96	204001	34.71	PPb		83
15) FREON 113	7.48	151	117884	36.06	PPb		97
16) ACETONE	7.58	58	37013	181.41	PPb		58
17) IODOMETHANE	7.82	142	220920	34.68	PPb		86
18) CARBON DISULFIDE	7.96	76	345558	33.18	PPb		100
19) METHYL ACETATE	8.13	43	78368	35.40	PPb	#	100
20) ALLYL CHLORIDE	8.13	76	61395	36.06	PPb	#	83
21) METHYLENE CHLORIDE	8.35	84	117262	27.43	PPb		92
22) ACRYLONITRILE	8.75	53	197652	184.87	PPb		95
23) METHYL TERT BUTYL ETHER	8.71	73	401920	34.17	PPb		88
24) trans-1,2-DICHLOROETHYLENE	8.77	61	156434	31.93	PPb		93
25) HEXANE	9.10	57	138528	37.77	PPb		97
26) 1,1-DICHLOROETHANE	9.41	63	193146	30.67	PPb		97
27) DI-ISOPROPYL ETHER	9.38	45	315962	35.48	PPb		98
28) ETHYL TERT-BUTYL ETHER	9.89	59	393112	35.46	PPb		95
29) 2-BUTANONE	10.19	72	52074	166.47	PPb		100
30) 2,2-DICHLOROPROPANE	10.22	77	225726	30.64	PPb		98
31) cis-1,2-DICHLOROETHYLENE	10.23	61	203914	32.18	PPb		94
32) PROPIONITRILE	10.31	54	165764	366.32	PPb		96
33) METHYLACRYLATE	10.30	55	115093	40.26	PPb	#	97
34) METHACRYLONITRILE	10.51	41	61207	35.82	PPb		97
35) BROMOCHLOROMETHANE	10.56	128	68808	34.49	PPb		94
36) CHLOROFORM	10.62	83	228024	29.96	PPb		99
37) TETRAHYDROFURAN	10.61	42	28759	35.66	PPb		85
38) 1,1,1-TRICHLOROETHANE	10.88	97	247042	32.37	PPb		99
39) CYCLOHEXANE	10.95	84	171822	37.38	PPb	#	100
40) 1-CHLOROBUTANE	10.96	56	379798	34.56	PPb		94
41) 1,1-DICHLOROPROPENE	11.07	75	154532	34.60	PPb		97
42) CARBON TETRACHLORIDE	11.09	117	222097	30.95	PPb		98
43) 1,2-DICHLOROETHANE	11.38	62	178549	29.35	PPb		95
44) BENZENE	11.35	78	411505	32.65	PPb		98
45) TERT AMYL METHYL ETHER	11.37	73	369771	33.35	PPB	#	97

(#) = qualifier out of range (m) = manual integration
3B41550.D M3B1914.M Wed Dec 31 12:53:35 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41550.D Vial: 8
Acq On : 30 Dec 2008 1:57 pm Operator: mohui
Sample : IC1914-40 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 14:24:35 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:24:07 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46)	TRICHLOROETHYLENE	12.10	95	124238	33.84 PPb	97
47)	METHYLCYCLOHEXANE	12.31	83	221545	40.77 PPb	94
48)	METHYL METHACRYLATE	12.36	69	77679	43.39 PPb	72
49)	1,2-DICHLOROPROPANE	12.38	63	99179	32.99 PPb	91
50)	DIBROMOMETHANE	12.55	93	84659	33.25 PPb	91
51)	BROMODICHLOROMETHANE	12.69	83	194976	33.40 PPb	98
52)	CHLOROACETONITRILE	12.92	75	38106	163.05 PPb	81
53)	2-NITROPROPANE	12.92	41	59344	33.27 PPb	90
54)	2-CHLOROETHYL VINYL ETHER	12.93	63	379484	196.23 PPb	99
55)	cis-1,3-DICHLOROPROPENE	13.16	75	199146	34.01 PPb	97
56)	4-METHYL-2-PENTANONE	13.26	58	192632	135.12 PPb	98
57)	1,1-DICHLOROPROPANONE	13.39	43	57954	26.60 PPb	97
58)	TOLUENE	13.54	92	295558	36.22 PPb	97
59)	trans-1,3-DICHLOROPROPENE	13.76	75	204580	34.85 PPb	94
60)	ETHYL METHACRYLATE	13.74	69	155698	41.62 PPb	83
61)	1,1,2-TRICHLOROETHANE	13.99	83	95838	34.87 PPb	99
62)	1,3-DICHLOROPROPANE	14.19	76	177289	32.83 PPb	97
63)	2-HEXANONE	14.16	58	183953	147.05 PPb	96
64)	TETRACHLOROETHYLENE	14.16	166	161232	36.05 PPb	99
65)	DIBROMOCHLOROMETHANE	14.48	129	170718	35.69 PPb	98
66)	1,2-DIBROMOETHANE	14.64	107	133597	37.33 PPb	99
67)	CHLOROBENZENE	15.13	112	363164	36.43 PPb	97
68)	1,1,1,2-TETRACHLOROETHANE	15.19	131	152677	33.15 PPb	95
69)	ETHYLBENZENE	15.17	91	598282	36.62 PPb	97
70)	m,p-XYLENE	15.28	106	460486	72.59 PPb	94
71)	o-XYLENE	15.74	106	245990	38.44 PPb	91
72)	STYRENE	15.75	104	366489	39.64 PPb	96
73)	BROMOFORM	16.06	173	140929	37.32 PPb	96
74)	ISOPROPYLBENZENE	16.09	105	575784	37.76 PPb	97
75)	BROMOBENZENE	16.54	156	189428	34.88 PPb	92
76)	1,1,2,2-TETRACHLOROETHANE	16.44	83	177443	33.26 PPb	98
77)	TRANS-1,4-DICHLORO-2-BUTEN	16.48	53	65080	34.38 PPb	93
78)	1,2,3-TRICHLOROPROPANE	16.52	110	58568	30.75 PPb	96
79)	n-PROPYLBENZENE	16.53	91	722961	34.79 PPb	99
80)	O-CHLOROTOLUENE	16.71	91	514097	33.36 PPb	99
81)	1,3,5-TRIMETHYLBENZENE	16.69	105	593318	37.25 PPb	98
82)	P-CHLOROTOLUENE	16.81	91	477518	34.62 PPb	98
83)	tert-BUTYLBENZENE	17.07	119	538627	39.60 PPb	95
84)	1,2,4-TRIMETHYLBENZENE	17.12	105	610149	36.59 PPb	97
85)	PENTACHLOROETHANE	17.18	167	137682	35.42 PPb	98
86)	sec-BUTYLBENZENE	17.30	105	771852	38.06 PPb	99
87)	p-ISOPROPYLTOLUENE	17.42	119	719096	38.47 PPb	96
88)	M-DICHLOROBENZENE	17.53	146	374986	35.48 PPb	98
89)	P-DICHLOROBENZENE	17.62	146	391554	34.78 PPb	99
90)	n-BUTYLBENZENE	17.97	91	682476	37.63 PPb	99
91)	O-DICHLOROBENZENE	18.05	146	386257	34.60 PPb	99
92)	HEXACHLOROETHANE	18.33	201	154262	39.79 PPb	96
93)	1,2-DIBROMO-3-CHLOROPROPAN	18.91	155	46470	40.02 PPb	92
94)	NITROBENZENE	19.14	77	325569	416.40 PPb	97

(#) = qualifier out of range (m) = manual integration
3B41550.D M3B1914.M Wed Dec 31 12:53:35 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41550.D Vial: 8
Acq On : 30 Dec 2008 1:57 pm Operator: mohui
Sample : IC1914-40 Inst : MS3B
Misc : M3?4479,V3B1914,W,,,,1 Multipir: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 14:24:35 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:24:07 2008
Response via : Initial Calibration
Data&Acq Meth : M3B1914

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
95)	1,2,4-TRICHLOROBENZENE	19.83	180	374480	37.67 PPb	98
96)	HEXACHLOROBUTADIENE	19.94	225	198916	35.34 PPb	98
97)	NAPHTHALENE	20.17	128	822026	37.69 PPb	99
98)	1,2,3-TRICHLOROBENZENE	20.47	180	346644	35.91 PPb	98

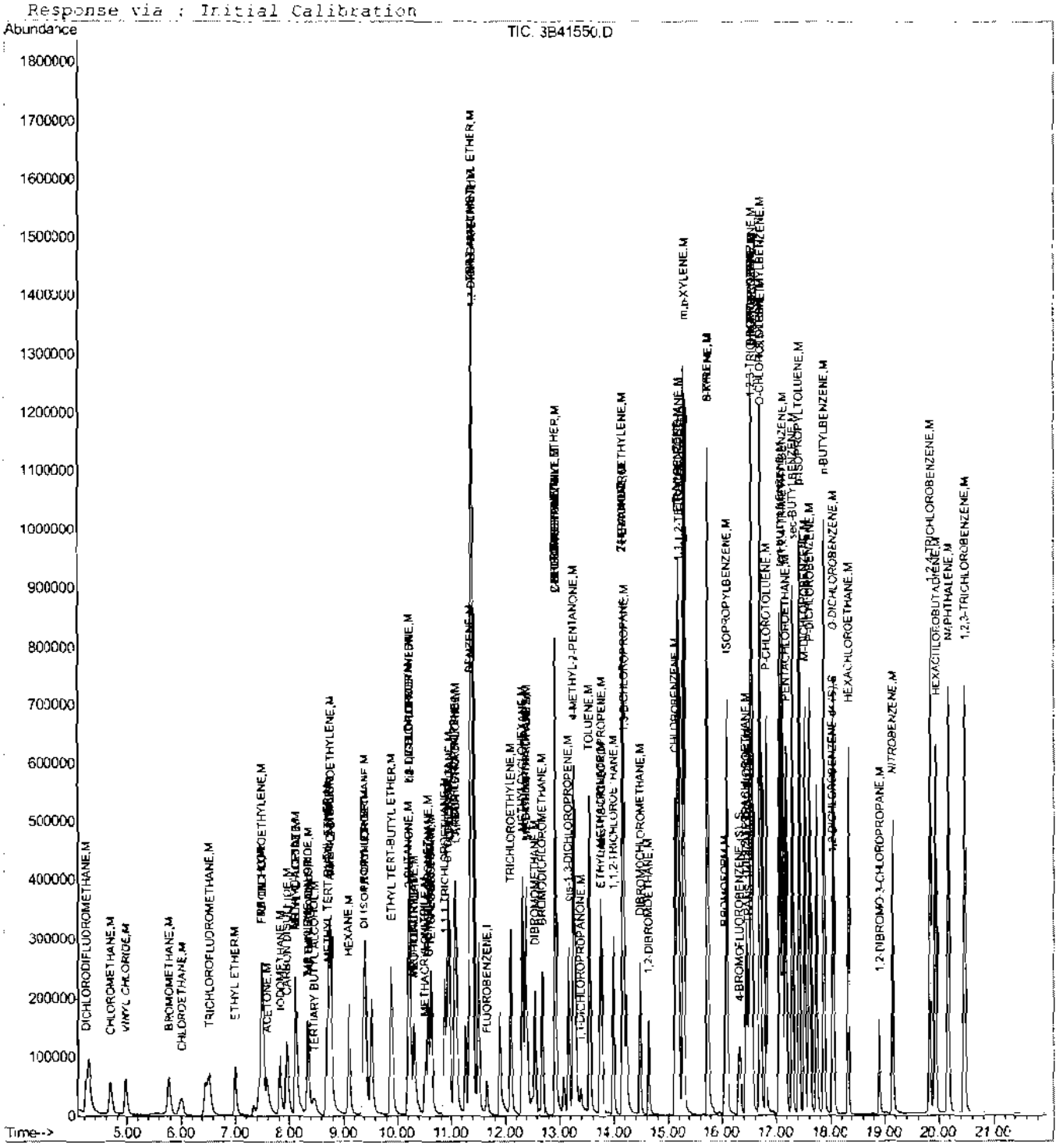
6.6.7

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3B41550.D M3B1914.M Wed Dec 31 12:53:35 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41550.D Vial: 8
Acq On : 30 Dec 2008 1:57 pm Operator: mohui
Sample : IC1914-40 Instr : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 14:24 2008 Quant Results File: M3B1914.RES

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration



6.6.7

9

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41552.D Vial: 10
Acq On : 30 Dec 2008 3:02 pm Operator: mohui
Sample : icv1914-10 Inst : MS3B
Misc : MS744:9,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 15:29:32 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.35	65	26878	50.00	PPB		0.00
3) FLUOROBENZENE	11.67	96	83579	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.33	95	35713	4.72	PPb		0.00
Spiked Amount 5.000	Range 71 - 123		Recovery = 94.40%				
5) 1,2-DICHLOROBENZENE-d4 (S)	18.02	152	48816	4.92	PPb		0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 98.40%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.48	59	23333	51.12	PPb		95
6) DICHLORODIFLUOROMETHANE	4.25	85	62690	8.61	PPb		98
7) CHLOROMETHANE	4.68	50	47660	8.97	PPb		99
8) VINYL CHLORIDE	4.98	62	50829	9.68	PPb		98
9) BROMOMETHANE	5.78	94	37231	8.41	PPb		96
10) CHLOROETHANE	6.02	64	26400	9.07	PPb		94
11) TRICHLOROFLUOROMETHANE	6.53	101	79821	8.11	PPb		97
12) ETHYL ETHER	7.01	45	21039	10.40	PPb		93
14) 1,1-DICHLOROETHYLENE	7.50	96	35636	10.14	PPb		96
15) FREON 113	7.49	151	38564	10.06	PPb		96
16) ACETONE	7.62	58	9961	38.19	PPb		81
17) IODOMETHANE	7.82	142	75392	10.15	PPb		91
18) CARBON DISULFIDE	7.97	76	116713	9.56	PPb		96
19) METHYL ACETATE	8.10	43	24064	9.37	PPb	#	100
20) ALLYL CHLORIDE	8.13	76	20214	10.13	PPb	#	86
21) METHYLENE CHLORIDE	8.35	84	41766	10.71	PPb		91
22) ACRYLONITRILE	8.76	53	67387	53.75	PPb		95
23) METHYL TERT BUTYL ETHER	8.71	73	127511	9.97	PPb		80
24) trans-1,2-DICHLOROETHYLENE	8.78	61	53201	9.76	PPb		94
25) HEXANE	9.10	57	43147	10.03	PPb		99
26) 1,1-DICHLOROETHANE	9.42	63	68348	9.26	PPb		98
27) DI-ISOPROPYL ETHER	9.38	45	103945	9.94	PPb		98
28) ETHYL TERT-BUTYL ETHER	9.90	59	128360	9.87	PPb		98
29) 2-BUTANONE	10.22	72	16463	44.88	PPb		89
30) 2,2-DICHLOROPROPANE	10.22	77	73911	8.61	PPb		95
31) cis-1,2-DICHLOROETHYLENE	10.23	61	68521	9.22	PPb		94
32) PROPIONITRILE	10.33	54	55414	103.98	PPb		98
33) METHYLACRYLATE	10.32	55	38763	11.56	PPb		99
34) METHACRYLONITRILE	10.53	41	19218	9.59	PPb		98
35) BROMOCHLOROMETHANE	10.57	128	24034	10.27	PPb		93
36) CHLOROFORM	10.63	83	79796	8.94	PPb		100
37) TETRAHYDROFURAN	10.61	42	9767	9.47	PPb		90
38) 1,1,1-TRICHLOROETHANE	10.88	97	79912	8.92	PPb		98
39) CYCLOHEXANE	10.95	84	51783	9.61	PPb	#	100
40) 1-CHLOROBUTANE	10.97	56	121981	9.47	PPb		92
41) 1,1-DICHLOROPROPENE	11.08	75	52531	10.03	PPb		94
42) CARBON TETRACHLORIDE	11.09	117	73396	8.72	PPb		97
43) 1,2-DICHLOROETHANE	11.38	62	63724	8.78	PPb		95
44) BENZENE	11.36	78	145354	9.84	PPb		98
45) TERT AMYL METHYL ETHER	11.38	73	124232	9.56	PPB		98

(#) = qualifier out of range (m) = manual integration
3B41552.D M3B1914.M Wed Dec 31 11:17:07 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41552.D Vial: 10
Acq On : 30 Dec 2008 3:02 pm Operator: mchui
Sample : icv1914-10 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 15:29:32 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

	Compound	R.T.	Qion	Response	Conc	Unit		Qvalue
46)	TRICHLOROETHYLENE	12.10	95	42620	9.90	PPb		95
47)	METHYLCYCLOHEXANE	12.31	83	67366	10.57	PPb		98
48)	METHYL METHACRYLATE	12.30	69	24279	10.69	PPb		80
49)	1,2-DICHLOROPROPANE	12.38	63	35924	10.19	PPb		93
50)	DIBROMOMETHANE	12.56	93	28481	9.54	PPb		90
51)	BROMODICHLOROMETHANE	12.69	83	61256	8.95	PPb		99
52)	CHLOROACETONITRILE	12.93	75	12038	49.45	PPb		82
53)	2-NITROPROPANE	12.93	41	19687	9.41	PPb		93
54)	2-CHLOROETHYL VINYL ETHER	12.93	63	122388	53.97	PPb		97
55)	cis-1,3-DICHLOROPROPENE	13.17	75	67804	9.87	PPb		95
56)	4-METHYL-2-PENTANONE	13.26	58	60206	36.02	PPb		96
57)	1,1-DICHLOROPROPANONE	13.40	43	20871	10.43	PPb		95
58)	TOLUENE	13.55	92	97568	10.20	PPb		99
59)	trans-1,3-DICHLOROPROPENE	13.77	75	68185	9.90	PPb		97
60)	ETHYL METHACRYLATE	13.75	69	45641	10.41	PPb		91
61)	1,1,2-TRICHLOROETHANE	14.00	83	31942	9.91	PPb		98
62)	1,3 DICHLOROPROPANE	14.20	76	62918	9.94	PPb		97
63)	2-HEXANONE	14.17	58	55997	38.17	PPb		98
64)	TETRACHLOROETHYLENE	14.17	166	54497	10.39	PPb		97
65)	DIBROMOCHLOROMETHANE	14.48	129	52980	9.45	PPb		100
66)	1,2-DIBROMOETHANE	14.65	107	44524	10.61	PPb		97
67)	CHLOROBENZENE	15.13	112	125665	10.75	PPb		98
68)	1,1,1,2-TETRACHLOROETHANE	15.19	131	53212	9.85	PPb		96
69)	ETHYLBENZENE	15.17	91	200369	10.46	PPb		98
70)	m,p-XYLENE	15.29	106	155666	20.93	PPb		94
71)	o-XYLENE	15.74	106	81918	10.92	PPb		66
72)	STYRENE	15.75	104	123501	10.86	PPb		96
73)	BROMOFORM	16.06	173	43702	9.87	PPb		99
74)	ISOPROPYLBENZENE	16.10	105	223081	12.48	PPb		98
75)	BROMOBENZENE	16.55	156	64708	10.16	PPb		93
76)	1,1,2,2-TETRACHLOROETHANE	16.49	83	61761	9.87	PPb		98
77)	TRANS-1,4-DICHLORO-2-BUTEN	16.49	53	19339	8.71	PPb		96
78)	1,2,3-TRICHLOROPROPANE	16.52	110	18103	8.11	PPb	*	84
79)	n-PROPYLBENZENE	16.53	91	257123	10.55	PPb		98
80)	O-CHLOROTOLUENE	16.71	91	178709	9.89	PPb		99
81)	1,3,5-TRIMETHYLBENZENE	16.69	105	189591	10.15	PPb		98
82)	P-CHLOROTOLUENE	16.81	91	162360	10.04	PPb		96
83)	tert-BUTYLBENZENE	17.07	119	172888	10.84	PPb		94
84)	1,2,4-TRIMETHYLBENZENE	17.12	105	201673	10.31	PPb		96
85)	PENTACHLOROETHANE	17.18	167	44492	9.76	PPb		96
86)	sec-BUTYLBENZENE	17.30	105	251505	10.58	PPb		98
87)	p ISOPROPYLTOLUENE	17.42	119	221372	10.10	PPb		97
88)	M-DICHLOROBENZENE	17.53	146	126265	10.39	PPb		95
89)	P-DICHLOROBENZENE	17.62	146	132899	10.07	PPb		98
90)	n-BUTYLBENZENE	17.87	91	212753	10.00	PPb		99
91)	O-DICHLOROBENZENE	18.05	146	131443	10.04	PPb		98
92)	HEXACHLOROETHANE	18.33	201	45477	10.00	PPb		93
93)	1,2-DIBROMO-3-CHLOROPROPAN	18.91	155	14736	10.82	PPb		96
94)	NITROBENZENE	19.15	77	81439	88.83	PPb		97

(*) = qualifier out of range (m) = manual integration
3B41552.D M3B1914.M Wed Dec 31 11:17:07 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41552.D Vial: 10
Acq On : 30 Dec 2008 3:02 pm Operator: mchui
Sample : icv1914-10 Inst : MS3B
Misc : MB74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 30 15:29:32 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

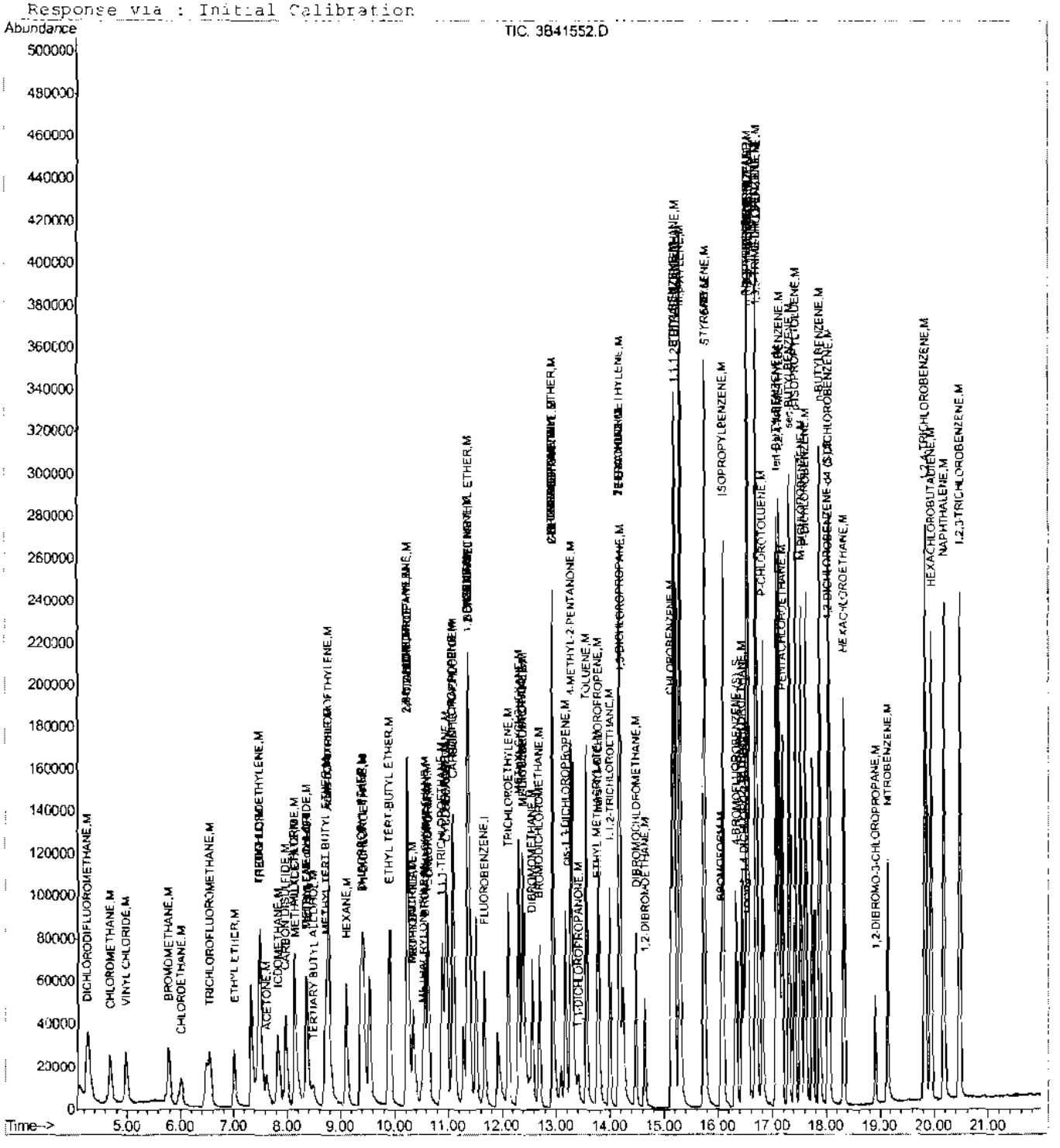
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95)	1,2,4-TRICHLOROBENZENE	19.83	180	122923	10.55	PPb	98
96)	HEXACHLOROBUTADIENE	19.94	225	67724	10.26	PPb	98
97)	NAPHTHALENE	20.17	128	271559	10.62	PPb	100
98)	1,2,3-TRICHLOROBENZENE	20.47	180	114773	10.14	PPb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3B41552.D M3B1914.M Wed Dec 31 11:17:08 2008 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41552.D Vial: 10
Acq On : 30 Dec 2008 3:02 pm Operator: mchui
Sample : icv1914-10 Inst : MS3B
Misc : MS74479,V3B1914,W,,,,1 Multiplr: 1.00
MS Integration Params: rteirt.p
Quant Time: Dec 30 15:29 2008 Quant Results File: M3B1914.RES

Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration



3B41552.D M3B1914.M Wed Dec 31 11:17:09 2008 MS3B Page 4

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41598.D Vial: 24
Acq On : 31 Dec 2008 9:25 pm Operator: mohui
Sample : cc1914-10 Inst : MS3B
Misc : M374611,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 31 21:53:04 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

Internal Standards	R.T.	Qion	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.34	65	17397	50.00	PPB		0.00
3) FLUOROBENZENE	11.67	96	55788	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.33	95	26394	5.23	PPb		0.00
Spiked Amount 5.000	Range 71 - 126		Recovery = 104.60%				
5) 1,2-DICHLOROBENZENE-d4 (S)	18.03	152	34795	5.25	PPb		0.00
Spiked Amount 5.000	Range 74 - 123		Recovery = 105.00%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.48	59	16339	55.30	PPb		95
6) DICHLORODIFLUOROMETHANE	4.25	85	60134	12.37	PPb		96
7) CHLOROMETHANE	4.68	50	39544	11.32	PPb		96
8) VINYL CHLORIDE	4.98	62	37720	10.77	PPb		97
9) BROMOMETHANE	5.78	94	29469	9.87	PPb		98
10) CHLOROETHANE	6.00	64	20789	10.70	PPb		86
11) TRICHLOROFLUOROMETHANE	6.53	101	72232	11.00	PPb		97
12) ETHYL ETHER	7.01	45	14239	10.55	PPb		98
14) 1,1-DICHLOROETHYLENE	7.50	96	25195	10.74	PPb		92
15) FREON 113	7.48	151	29694	11.57	PPb		95
16) ACETONE	7.60	58	7746	44.49	PPb		59
17) IODOMETHANE	7.83	142	54650	11.03	PPb		85
18) CARBON DISULFIDE	7.97	76	84105	10.32	PPb		99
19) METHYL ACETATE	8.15	43	18642	10.76	PPb	#	100
20) ALLYL CHLORIDE	8.13	76	14792	11.10	PPb	#	86
21) METHYLENE CHLORIDE	8.36	84	32526	12.78	PPb		89
22) ACRYLONITRILE	8.76	53	47886	57.22	PPb		94
23) METHYL TERT BUTYL ETHER	8.71	73	101618	11.04	PPb		75
24) trans-1,2-DICHLOROETHYLENE	8.77	61	41454	10.81	PPb		89
25) HEXANE	9.10	57	30121	10.49	PPb		97
26) 1,1-DICHLOROETHANE	9.42	63	50057	10.15	PPb		100
27) DI-ISOPROPYL ETHER	9.38	45	78732	11.30	PPb		99
28) ETHYL TERT-BUTYL ETHER	9.89	59	98580	11.36	PPb		96
29) 2-BUTANONE	10.22	72	11330	46.28	PPb		94
30) 2,2-DICHLOROPROPANE	10.22	77	56087	9.79	PPb		96
31) cis-1,2-DICHLOROETHYLENE	10.23	61	53674	10.82	PPb		98
32) PROPIONITRILE	10.33	54	37143	104.41	PPb		95
33) METHYLACRYLATE	10.33	55	27219	12.16	PPb		100
34) METHACRYLONITRILE	10.52	41	21415	16.01	PPb		90
35) BROMOCHLOROMETHANE	10.57	128	17000	10.89	PPb		88
36) CHLOROFORM	10.63	83	61645	10.35	PPb		97
37) TETRAHYDROFURAN	10.62	42	6666	9.69	PPb		84
38) 1,1,1-TRICHLOROETHANE	10.88	97	63024	10.55	PPb		97
39) CYCLOHEXANE	10.95	84	57188	10.34	PPb	#	100
40) 1-CHLOROBUTANE	10.97	56	91875	10.69	PPb		88
41) 1,1-DICHLOROPROPENE	11.08	75	37655	10.74	PPb		95
42) CARBON TETRACHLORIDE	11.09	117	57985	10.32	PPb		97
43) 1,2-DICHLOROETHANE	11.39	62	51444	10.61	PPb		97
44) BENZENE	11.36	78	104915	10.64	PPb		96
45) TERT AMYL METHYL ETHER	11.38	73	98250	11.32	PPB	#	100

(#) = qualifier out of range (m) = manual integration
3B41598.D M3B1914.M Fri Jan 02 16:17:40 2009 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41598.D Vial: 24
Acq On : 31 Dec 2008 9:25 pm Operator: mohui
Sample : cc1914-10 Inst : MS3B
Misc : MS74611,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 31 21:53:04 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	TRICHLOROETHYLENE	12.11	95	29834	10.38 PPb		95
47)	METHYLCYCLOHEXANE	12.31	83	48661	11.44 PPb		93
48)	METHYL METHACRYLATE	12.39	69	14169	9.34 PPb	#	56
49)	1,2-DICHLOROPROPANE	12.38	63	25352	10.78 PPb		89
50)	DIBROMOMETHANE	12.56	93	21583	10.83 PPb		86
51)	BROMODICHLOROMETHANE	12.69	83	49370	10.81 PPb		99
52)	CHLOROACETONITRILE	12.95	75	8453	52.03 PPb		92
53)	2-NITROPROPANE	12.93	41	16028	11.48 PPb		95
54)	2-CHLOROETHYL VINYL ETHER	12.93	63	91932	60.74 PPb		99
55)	cis-1,3-DICHLOROPROPENE	13.17	75	47462	10.36 PPb		96
56)	4-METHYL-2-PENTANONE	13.26	58	44805	40.16 PPb		97
57)	1,1-DICHLOROPROPANONE	13.41	43	15925	12.28 PPb		95
58)	TOLUENE	13.55	92	68636	10.75 PPb		98
59)	trans-1,3-DICHLOROPROPENE	13.77	75	50930	11.08 PPb		92
60)	ETHYL METHACRYLATE	13.75	69	33199	11.34 PPb		89
61)	1,1,2-TRICHLOROETHANE	14.00	83	23168	10.77 PPb		96
62)	1,3-DICHLOROPROPANE	14.20	76	46021	10.89 PPb		93
63)	2-HEXANONE	14.17	58	41303	42.18 PPb		97
64)	TETRACHLOROETHYLENE	14.17	166	37539	10.72 PPb		97
65)	DIBROMOCHLOROMETHANE	14.48	129	39713	10.61 PPb		99
66)	1,2-DIBROMOETHANE	14.64	107	31549	11.26 PPb		96
67)	CHLOROBENZENE	15.13	112	84840	10.87 PPb		91
68)	1,1,1,2-TETRACHLOROETHANE	15.19	131	39126	10.85 PPb		98
69)	ETHYLBENZENE	15.18	91	146513	11.46 PPb		95
70)	m,p-XYLENE	15.29	106	110372	22.23 PPb		86
71)	o-XYLENE	15.74	106	57450	11.47 PPb		79
72)	STYRENE	15.75	104	90016	11.86 PPb		94
73)	BROMOFORM	16.06	173	30034	10.16 PPb		90
74)	ISOPROPYLBENZENE	16.10	105	135339	11.34 PPb		93
75)	BROMOBENZENE	16.55	156	47565	11.19 PPb		95
76)	1,1,2,2-TETRACHLOROETHANE	16.44	83	42877	10.27 PPb		99
77)	TRANS-1,4-DICHLORO-2-BUTEN	16.49	53	14767	9.97 PPb		91
78)	1,2,3-TRICHLOROPROPANE	16.52	110	15531	10.42 PPb	#	81
79)	n-PROPYLBENZENE	16.53	91	181738	11.17 PPb		97
80)	O-CHLOROTOLUENE	16.71	91	131312	10.89 PPb		99
81)	1,3,5-TRIMETHYLBENZENE	16.69	105	144008	11.55 PPb		98
82)	P-CHLOROTOLUENE	16.81	91	118989	11.02 PPb		93
83)	tert-BUTYLBENZENE	17.07	119	122441	11.50 PPb		90
84)	1,2,4-TRIMETHYLBENZENE	17.12	105	153926	11.79 PPb		95
85)	PENTACHLOROETHANE	17.18	167	33270	10.93 PPb		93
86)	sec-BUTYLBENZENE	17.30	105	178467	11.24 PPb		96
87)	p-ISOPROPYLTOLUENE	17.42	119	170246	11.64 PPb		95
88)	M-DICHLOROBENZENE	17.53	146	90819	10.98 PPb		92
89)	P-DICHLOROBENZENE	17.62	146	94874	10.77 PPb		97
90)	n-BUTYLBENZENE	17.87	91	162470	11.44 PPb		98
91)	O-DICHLOROBENZENE	18.05	146	96162	11.01 PPb		96
92)	HEXACHLOROETHANE	18.33	201	34791	11.46 PPb		94
93)	1,2-DIBROMO-3-CHLOROPROPAN	18.91	155	9880	10.67 PPb		66
94)	NITROBENZENE	19.15	77	57372	93.75 PPb		93

(#) = qualifier out of range (m) = manual integration
3B41598.D M3B1914.M Fri Jan 02 16:11:40 2009 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41598.D Vial: 24
Acq On : 31 Dec 2008 9:25 pm Operator: monui
Sample : cc1914-10 Inst : MS3B
Misc : MS74611,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 31 21:53:04 2008 Quant Results File: M3B1914.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3B1914.M (RTE Integrator)
Title : method 524
Last Update : Tue Dec 30 14:35:23 2008
Response via : Initial Calibration
DataAcq Meth : M3B1914

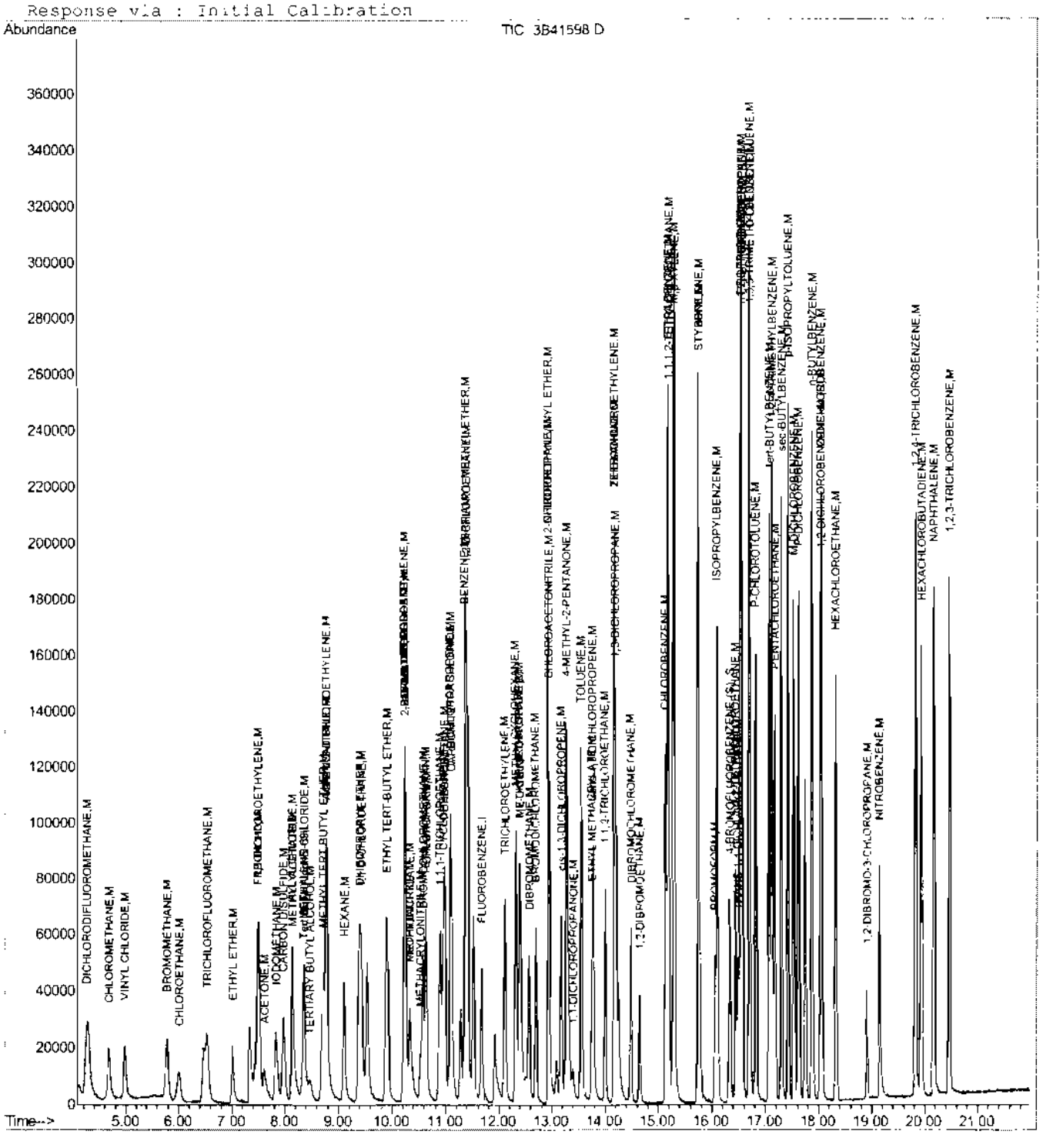
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95)	1,2,4-TRICHLOROBENZENE	19.83	180	89735	11.53	PPb	100
96)	HEXACHLOROBUTADIENE	19.94	225	47908	10.87	PPb	97
97)	NAPHTHALENE	20.17	128	197093	11.56	PPb	99
98)	1,2,3-TRICHLOROBENZENE	20.47	180	85341	11.30	PPb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3B41598.D M3B1914.M Fri Jan 02 16:11:40 2009 MS3B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3B41598.D Vial: 24
Acq On : 31 Dec 2008 9:25 pm Operator: mohsi
Sample : cc1914-10 Inst : MS3B
Misc : MS74611,V3B1917,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 2 16:11 2009 Quant Results File: M3B1914.RES

Method : C:\MSDCHEM\1\METHODS\M3B19.4.M (RTE Integrator)
Title : method 524
Last Update : Fri Jan 02 10:20:06 2009
Response via : Initial Calibration



ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3B1914

Print Analyst Name: Neil Christ...

Date: 12/30/08

Analyst Signature: [signature]

Standard Data

Lot #	Description	Conc.
3 386-51	Ext A	1000ppm
-58	C	↓
-45	Acrolein	1000ppm
-05	..../surr	25/2500ppm

Standard Data

Lot #	Description	Conc.
386-09	STD A	100ppm
-38	B	
-31	↓ C	↓
-41	Extra D	400/4000
-43	......	500ppm

Columns: 28624

Method V534

Initial Cal. Method M3B1914

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 12/31/08

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	3B41541	bfb				1							ok	8:42Am	
	41542	1C1914-0.5				2							not used	See pg 212 for prep	
	41543	1C1914-0.5				3					✓		ok	↓	
	41544	1C1914-1				4					✓		ok		
	41545	1C1914-2				5					✓		ok		
	41546	1C1914-5				6					✓		ok		
	41547	1C1914-10				7					✓		ok		
	41548	1C1914-20				8					✓		ok	↓	
	41549	1C1914-40				9							not used	See pg 212 for prep Did not purge	
	41550	1C1914-40				10					✓		ok	See pg 212 for prep	
	41551	ibl				11									
	41552	1CV1914-10				12					✓		ok	10ul Ext A,C, Acrolein + STD S,D + ...	

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt = volume (ul) extract injected * IF pH > 2, comment on sample result.

All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

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6.7.1

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ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3B1917

Print Analyst Name: Neil Christian

Date: 12/31/08

Analyst Signature: [signature]

Columns: ZB624

Method: V5d4

Initial Cal. Method: M3B1914

Standard Data		
Lot #	Description	Conc.
008-326-51	Std A	100ppm
-68	C	↓
-48	Acrolein	1000ppm
008-326-[illegible]	int/surr	25/250ppm

Standard Data		
Lot #	Description	Conc.
008-326-64	STD A	100ppm
-38	B	
-81	C	↓
-47	Extend D	400/4000ppm
-43	Ketones	500ppm

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 1/1/[illegible]

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L +	IS	SU	Status (Data)	Comments	pH* < 2
	3B41597	bfb				23							ok	8.53pm	
	41598	cc 814-10				24					/	/	ok	[illegible]	
	41599	ibl				25					/	/	ok		
	41600	mb				26					/	/	ok		
	41601	bs				27					/	/	ok	[illegible]	
	41602	JA8970-3ms	74603 STD	DW	4	28	5ml		1x		/	/	ok	[illegible]	✓
	41603	JA8970-3msd	↓	↓	5	29	↓		↓		/	/	ok	[illegible]	✓
	41604	bam				30									
	41605	JA8970-1	74608 STD	DW	1	31	5mL		1x		/	/	ok		✓
	41606	JA8970-2		DW	1	32					/	/	ok		✓
	41607	JA8970-3		DW	1	33					/	/	ok		
	41608	JA8970-4			1	34					/	/	ok		✓
	41609	JA8970-5	↓	DTB	1	35					/	/	ok		
	41610	JA8960-3	74611 [illegible]	DW	1	36	↓		↓		/	/	ok		✓

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.

All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

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