From: Stephen Cherepany <scherepany@epmco.com>
To: '"crhoffma@gw.dec.state.ny.us"' <crhoffma@gw.dec.state.ny.us>
CC: Anastasia Stacey Gogos <sgogos@epmco.com>
Date: 8/10/2010 9:08 AM
Subject: Katonah Groundwater Quality Monitoring Annual Report - 2009
Attachments: ANNUAL 2009 1-20-2010 Complete Report.pdf

Hello Mr. Hoffman,

As per our telephone conversation, an electronic copy of the Katonah Groundwater Quality Monitoring Annual Report for 2009 has been attached. Please let me know if you have any additional questions.

Thank you.

Stephen Cherepany
EPM, Inc.
1983 Marcus Ave. Suite 109
Lake Success, NY 11042
Work: 516-328-1194 Fax: 516-328-1381
Email: scherepany@epmco.com<mailto:scherepany@epmco.com>
Web: www.epmco.com<http://www.epmco.com/>

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.

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

January 20, 2010

Dear Mr. Hahn:

As directed, the frequency of water monitoring has been reduced from quarterly to yearly. Enclosed please find the first annual monitoring report of 2009 for the Katonah Municipal Well, Town of Bedford, Westchester County, New York (NYSDEC Site ID # 3-60-007).

Please call should you have 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
ANNUAL REPORT
NOVEMBER 24, 2009
KATONAH MUNICIPAL WELL
TOWN OF BEDFORD
WESTCHESTER, NEW YORK
NYSDEC SITE ID # 3-60-007

EPM PROJECT NUMBER: 29001

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 annual 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 United States Environmental Protection Agency (USEPA). This report includes the data collection and analysis results of the remedial system operation, for the year-end of 2009. Sampling of the remedial system and the two existing monitoring wells was conducted on November 24, 2009.

2.0 SAMPLE COLLECTION

Environmental Planning & Management, Inc., collected samples on November 24, 2009. Three sample sets were collected from sampling taps; the raw water sampling tap (RW), the stripper number two effluent sampling tap (STEFF), and the distribution sampling tap (DIST). One field duplicate sample (DUP) was collected from the Raw Water sampling tap. Samples were also collected from two monitoring wells, W4 and W11. Sample locations are shown on Figure 1 - Sampling Tap 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 field equipment blank, 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 (NYS-Department of Health approved Environmental Laboratory Accreditation Program (ELAP) laboratory #10983, in accordance with CLP methods, for volatile organics (Principal Organic Contaminants), by USEPA method 524.2, revision number 3.

3.0 FINDINGS

VOC Analysis

Table 1 provides a summary of the analytical results for the annual water quality monitoring, as well as the applicable NYSDOH Drinking Water Standards and the US 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 100 parts per billion for Trihalomethanes.

Tetrachloroethene was detected in the untreated Raw Water (RW) sample, at a concentration of 23 µg/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 0.66 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.

Analytical results for the duplicate sample (DUP) of the Raw Water (RW) similarly exhibited Tetrachloroethene at a concentration 24.3 ppb. This sample also exhibited Trichloroethene at a concentration of 0.64 ppb, and cis-1,2-Dichloroethene at a concentration of 0.5 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.

Three VOCs, Bromodichloromethane, Bromoform and Dibromochloromethane were detected in the Distribution (DIST) water sample at a concentration of 0.56 ppb, 2.6ppb and 1.7ppb, respectively; however this is well below the NYSDOH drinking water standard and the USEPA Standard of 50 ppb for these three compounds.

Three VOCs, Tetrachloroethene, trichloroethene, and cis-1,2-Dichloroethene were detected in monitoring well 4 (W4) with a concentration of 0.42 ppb, 0.25 ppb, and 0.39 respectively, which is below the NYSDOH drinking water standards and the USEPA Cleanup Standards for both compounds.

One VOC, Tetrachloroethene was detected in monitoring well 11 (W11) with a concentration of 0.53 ppb which is below the NYSDOH drinking water standard and the USEPA Cleanup Standard for this compound.

No VOCs, were detected in the field blank (FB) or Trip blank water samples, thus suggesting that no contamination was introduced during sampling or that cross-contamination occurred during delivery to the laboratory.

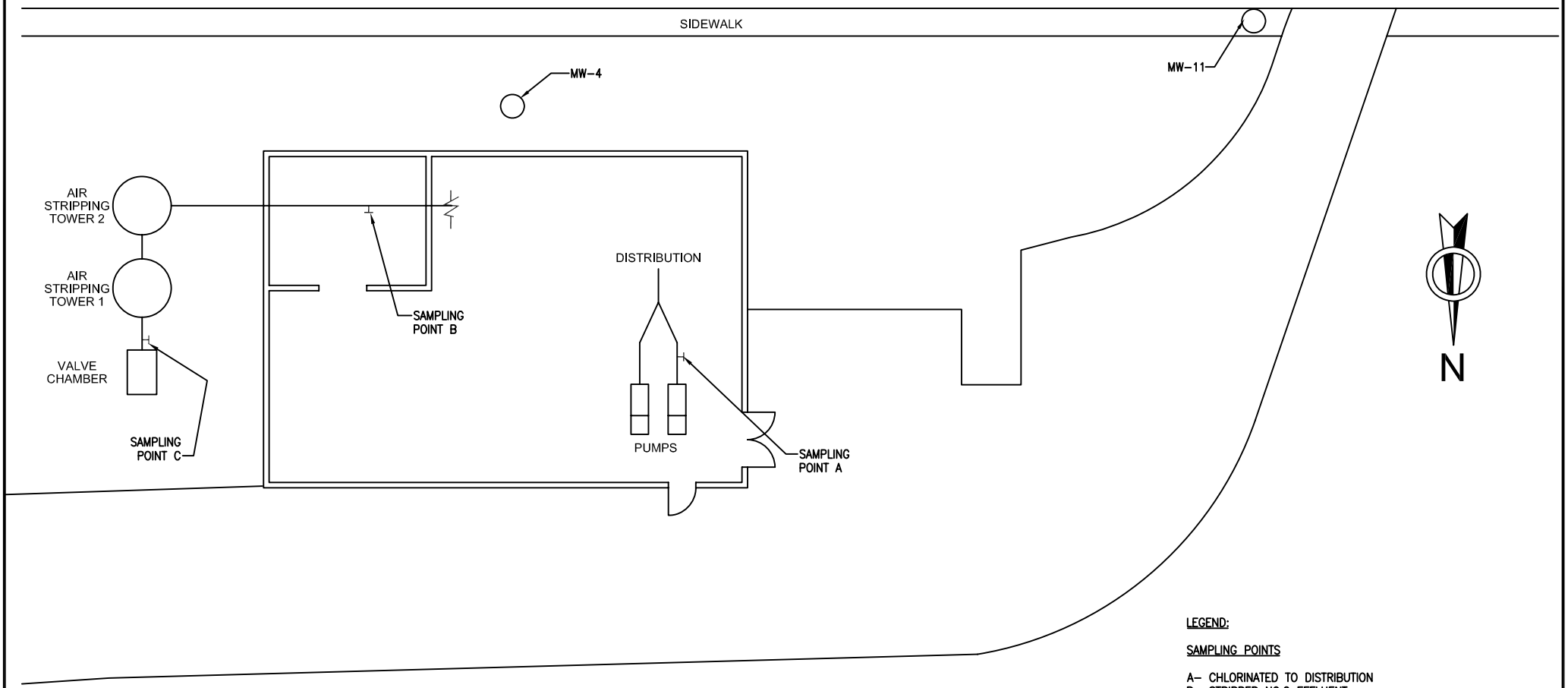
Refer to Table 1 for a summary of the groundwater analysis results for volatile organic

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 decreased 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.

Table 1 - SUMMARY OF ANNUAL VOC RESULTS KATONAH MUNICIPAL WELL								
Date Collected	**11/24/2009**							
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)								
Tetrachloroethylene (127-18-4)	**23**	**24.3**	ND	ND	0.42	0.53	ND	5/1*
Trichloroethylene (79-01-6)	0.66	0.64	ND	ND	0.25	ND	ND	5
cis-1,2-Dichloroethylene (156-59-2)	0.46 J	0.50	ND	ND	0.39	ND	ND	5
Methylene Chloride (75-09-2)	ND	ND	ND	ND	ND	ND	ND	5
Bromoform (75-25-2)	ND	ND	ND	2.6	ND	ND	ND	50
Dibromochloromethane (124-48-1)	ND	ND	ND	1.7	ND	ND	ND	50
Bromodichloromethane (75-27-4)	ND	ND	ND	0.56	ND	ND	ND	50
Methyl Tert Butyl Ether(MTBE 1634-04-4)	**0.11**	**0.11**	ND	ND	ND	**0.091**	ND	0.010

* 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



PEM ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 MARCUS AVENUE
SUITE 109
LAKE SUCCESS, NEW YORK 11042

DRAWN BY: AMR	DATE:	CLIENT: KATONAH MUNICIPAL WATER SYSTEM	TITLE: SIMPLIFIED SAMPLING LOCATION SCHEMATIC
CHECKED BY: FP	FILENAME: KATONAH		PROJECT LOCATION: KATONAH MUNICIPAL WATER SYSTEM KATONAH, NEW YORK
APPR'VD BY: ASG	SCALE: NOT TO SCALE		DRAWING NO: FIG. 1
PATH: C:\AMR\BEDFORD\KATONAH\22001DWGS			SHEET 1 OF 1

Figure 2

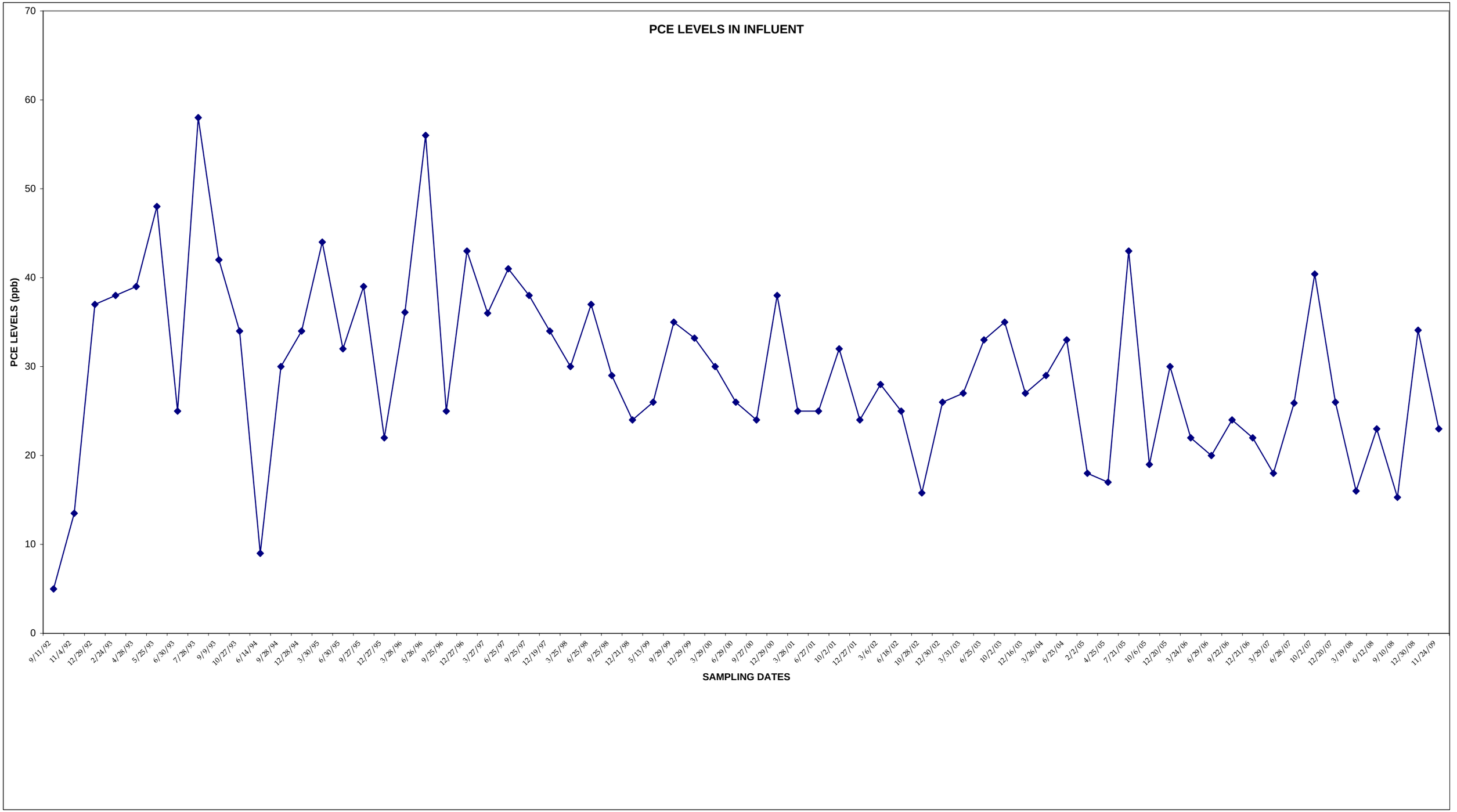


FIGURE -2

4.0 FUTURE ACTIONS

Water quality monitoring will continue to be conducted annually at the treatment system influent, stripper effluent, distribution point, and the two groundwater monitoring wells.

The next annual sampling event for the year-end of 2010, the nineteenth year of sampling, is tentatively scheduled for the month of December, 2010.

APPENDIX A

DATA VALIDATION REPORT

C.T. MALE ASSOCIATES, P.C.

50 Century Hill Drive, Latham, NY 12110
518.786.7400 FAX 518.786.7299 ctmale@ctmale.com

January 8, 2010

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

Re: Data Validation – Katonah – 4th Quarter 2009 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 2009 Water Sampling. Five (5) water samples were collected on November 24, 2009. The samples were submitted, along with a field duplicate, a matrix spike (MS) sample, a MS duplicate (MSD) sample, a field blank 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 temperature 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 project 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, except the RRF results were below 0.05 during the initial and continuing calibrations associated with the project samples for acetone and 2-butanone. The associated results have 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 calibration, and the percent difference (%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 trichlorofluoromethane. 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 and a field blank were submitted to the laboratory for VOA. Target analytes were not detected during the analysis of the method blank, the trip blank or the field 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.

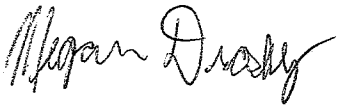
Summary

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

2

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Environmental Planning and Management	Job No	JA33930
Site:	Katonah Q4, Katonah Pump House, Bedford, NY	Report Date	12/15/2009 4:53:47 P

On 11/25/2009, 6 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 3.6 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA33930 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: V1B1757

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA33930-1MS, JA33930-1MSD were used as the QC samples indicated.
- RPD(s) for MSD for Trichlorofluoromethane are outside control limits for sample JA33930-1MSD. 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.: JA33930
Laboratory: Accutest Laboratories – New Jersey

Project No: 07.7690
Method: USEPA 524.2 (VOA)
Associated Sample IDs: RW, DUP, DIST, STEFF, W4, W1, FB and Trip Blank
Sample Date: 11/24/09

Reviewer: Megan Drosky
Date: 01/08/10

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?	✓			3.6°C (2-6°C).	
3. Was a method blank analyzed with each batch?	✓			VOA: V1B1757-MB1	
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: 12/01/09 o Continuing calibration: 12/05/09 @ 00:47	
8. Were these results within lab or project specifications?		✓		VOA – • Initial calibration of 12/01/09. The RF >0.05 and %RSD between response factors was less than 30% for all target analytes except acetone (0.024 RRF) and 2-butanone (0.034 RRF). J/UJ • Continuing calibration of 12/05/09. The RF>0.05 and %D <25% for all target analytes except acetone (0.024 RRF) and 2-butanone (0.034 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: V1B1757-BS	

Data Evaluation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
13. Were LCS' recoveries within lab specifications?	✓				
14. Were LCS/LCSD RPD within lab specifications?			✓	LCS only	
15. Was a MS/MSD pair analyzed with each batch?	✓			VOA: JA33930-1 (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.*		✓		• Trichlorofluoromethane @ 29%RPD (<28). UJ	UJ
19. Was a serial dilution conducted on each inorganic batch?			✓		
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.	
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	

Data Evaluation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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	0.5	0.09	0.45	*RPD*	8	0.04	None, RPD<20%
MTBE	0.11	0.11	0.08	0.4	*Abs Diff*	0	0	None, absolute difference <MDL
Tetrachloroethylene	23	24.3	0.15	0.75	*RPD*	5	1.3	None, RPD<20%
Trichloroethylene	0.66	0.64	0.13	0.65	*Abs Diff*	3	0.02	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

Raw Data: 1B40146.D

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW		
Lab Sample ID:	JA33930-1	Date Sampled:	11/24/09
Matrix:	DW - Drinking Water	Date Received:	11/25/09
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	1B40146.D	1	12/05/09	MMC	n/a	n/a	V1B1757
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	1.4	ug/l	UJ
78-93-3	2-Butanone	ND		5.0	1.5	ug/l	UJ
71-43-2	Benzene	ND	5.0	0.50	0.12	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.099	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.11	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.076	ug/l	
75-25-2	Bromoform	ND		0.50	0.078	ug/l	
74-83-9	Bromomethane	ND		0.50	0.16	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.14	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.052	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.099	ug/l	
75-00-3	Chloroethane	ND		0.50	0.21	ug/l	
67-66-3	Chloroform	ND		0.50	0.058	ug/l	
74-87-3	Chloromethane	ND		0.50	0.19	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.12	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.098	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.067	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.11	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.088	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.075	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.099	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.10	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.12	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.20	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.056	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.092	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

3.1

Sample results have been qualified by C. T. Male Associates, P.C. based on the results of the data review process, which is modeled after the *USEPA CLP National Functional Guidelines for Organic Data Review* (October 1999) and the *USEPA SOP Method 524.2*.

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW		
Lab Sample ID:	JA33930-1	Date Sampled:	11/24/09
Matrix:	DW - Drinking Water	Date Received:	11/25/09
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	0.090	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.082	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.091	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.051	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.46	70	0.50	0.086	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	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.15	ug/l	
110-54-3	Hexane	ND		0.50	0.21	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.62	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.12	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.11		0.50	0.080	ug/l	J
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.66	ug/l	
91-20-3	Naphthalene	ND		0.50	0.14	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.14	ug/l	
100-42-5	Styrene	ND	100	0.50	0.085	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.067	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.092	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.067	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.052	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.067	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	23.0	5.0	0.50	0.15	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.045	ug/l	
79-01-6	Trichloroethylene	0.66	5.0	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.11	ug/l	UJ
75-01-4	Vinyl chloride	ND	2.0	0.50	0.099	ug/l	
	m,p-Xylene	ND		1.0	0.12	ug/l	
95-47-6	o-Xylene	ND		0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	100%		78-114%
460-00-4	4-Bromofluorobenzene	103%		77-115%

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: 1B40147.D

Accutest Laboratories

Report of Analysis

3.2 3

Client Sample ID:	DUP		
Lab Sample ID:	JA33930-2	Date Sampled:	11/24/09
Matrix:	DW - Drinking Water	Date Received:	11/25/09
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	1B40147.D	1	12/05/09	MMC	n/a	n/a	V1B1757
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	1.4	ug/l	UJ
78-93-3	2-Butanone	ND		5.0	1.5	ug/l	UJ
71-43-2	Benzene	ND	5.0	0.50	0.12	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.099	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.11	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.076	ug/l	
75-25-2	Bromoform	ND		0.50	0.078	ug/l	
74-83-9	Bromomethane	ND		0.50	0.16	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.14	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.052	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.099	ug/l	
75-00-3	Chloroethane	ND		0.50	0.21	ug/l	
67-66-3	Chloroform	ND		0.50	0.058	ug/l	
74-87-3	Chloromethane	ND		0.50	0.19	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.12	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.098	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.067	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.11	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.088	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.075	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.099	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.10	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.12	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.20	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.056	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.092	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

Accutest Laboratories

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	JA33930-2	Date Sampled:	11/24/09
Matrix:	DW - Drinking Water	Date Received:	11/25/09
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	0.090	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.082	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.091	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.051	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50	70	0.50	0.086	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.15	ug/l	
110-54-3	Hexane	ND		0.50	0.21	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.62	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.12	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.11		0.50	0.080	ug/l	J
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.66	ug/l	
91-20-3	Naphthalene	ND		0.50	0.14	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.14	ug/l	
100-42-5	Styrene	ND	100	0.50	0.085	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.067	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.092	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.067	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.052	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.067	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	24.3	5.0	0.50	0.15	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.045	ug/l	
79-01-6	Trichloroethylene	0.64	5.0	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.11	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.099	ug/l	
	m,p-Xylene	ND		1.0	0.12	ug/l	
95-47-6	o-Xylene	ND		0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	101%		78-114%
460-00-4	4-Bromofluorobenzene	100%		77-115%

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: 1B40148.D

Accutest Laboratories

Report of Analysis

3.3

Client Sample ID:	DIST		
Lab Sample ID:	JA33930-3	Date Sampled:	11/24/09
Matrix:	DW - Drinking Water	Date Received:	11/25/09
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	1B40148.D	1	12/05/09	MMC	n/a	n/a	V1B1757
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	1.4	ug/l	UJ
78-93-3	2-Butanone	ND		5.0	1.5	ug/l	UJ
71-43-2	Benzene	ND	5.0	0.50	0.12	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.099	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.11	ug/l	
75-27-4	Bromodichloromethane	0.56		0.50	0.076	ug/l	
75-25-2	Bromoform	2.6		0.50	0.078	ug/l	
74-83-9	Bromomethane	ND		0.50	0.16	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.14	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.052	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.099	ug/l	
75-00-3	Chloroethane	ND		0.50	0.21	ug/l	
67-66-3	Chloroform	0.19		0.50	0.058	ug/l	J
74-87-3	Chloromethane	ND		0.50	0.19	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.12	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.098	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.067	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.11	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.088	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.075	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.099	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.10	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.12	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.20	ug/l	
124-48-1	Dibromochloromethane	1.7		0.50	0.056	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.092	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

Accutest Laboratories

Report of Analysis

Client Sample ID:	DIST		
Lab Sample ID:	JA33930-3	Date Sampled:	11/24/09
Matrix:	DW - Drinking Water	Date Received:	11/25/09
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	0.090	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.082	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.091	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.051	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.086	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.15	ug/l	
110-54-3	Hexane	ND		0.50	0.21	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.62	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.12	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.080	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.66	ug/l	
91-20-3	Naphthalene	ND		0.50	0.14	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.14	ug/l	
100-42-5	Styrene	ND	100	0.50	0.085	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.067	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.092	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.067	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.052	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.067	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.15	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.045	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.11	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.099	ug/l	
	m,p-Xylene	ND		1.0	0.12	ug/l	
95-47-6	o-Xylene	ND		0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	98%		78-114%
460-00-4	4-Bromofluorobenzene	101%		77-115%

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

3.3

Sample results have been qualified by C. T. Male Associates, P.C. based on the results of the data review process, which is modeled after the *USEPA CLP National Functional Guidelines for Organic Data Review* (October 1999) and the *USEPA SOP Method 524.2*.

Raw Data: 1B40149.D

Accutest Laboratories

Report of Analysis

3.4 C3

Client Sample ID:	STEFF		
Lab Sample ID:	JA33930-4	Date Sampled:	11/24/09
Matrix:	DW - Drinking Water Eff	Date Received:	11/25/09
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	1B40149.D	1	12/05/09	MMC	n/a	n/a	V1B1757
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	1.4	ug/l	UJ
78-93-3	2-Butanone	ND		5.0	1.5	ug/l	UJ
71-43-2	Benzene	ND	5.0	0.50	0.12	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.099	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.11	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.076	ug/l	
75-25-2	Bromoform	ND		0.50	0.078	ug/l	
74-83-9	Bromomethane	ND		0.50	0.16	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.14	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.052	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.099	ug/l	
75-00-3	Chloroethane	ND		0.50	0.21	ug/l	
67-66-3	Chloroform	ND		0.50	0.058	ug/l	
74-87-3	Chloromethane	ND		0.50	0.19	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.12	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.098	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.067	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.11	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.088	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.075	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.099	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.10	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.12	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.20	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.056	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.092	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

Sample results have been qualified by C. T. Male Associates, P.C. based on the results of the data review process, which is modeled after the *USEPA CLP National Functional Guidelines for Organic Data Review* (October 1999) and the *USEPA SOP Method 524.2*.

Accutest Laboratories

Report of Analysis

3.4

Client Sample ID:	STEFF		
Lab Sample ID:	JA33930-4	Date Sampled:	11/24/09
Matrix:	DW - Drinking Water Eff	Date Received:	11/25/09
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	0.090	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.082	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.091	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.051	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.086	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.15	ug/l	
110-54-3	Hexane	ND		0.50	0.21	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.62	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.12	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.080	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.66	ug/l	
91-20-3	Naphthalene	ND		0.50	0.14	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.14	ug/l	
100-42-5	Styrene	ND	100	0.50	0.085	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.067	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.092	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.067	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.052	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.067	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.15	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.045	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.11	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.099	ug/l	
	m,p-Xylene	ND		1.0	0.12	ug/l	
95-47-6	o-Xylene	ND		0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	102%		78-114%
460-00-4	4-Bromofluorobenzene	102%		77-115%

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

Sample results have been qualified by C. T. Male Associates, P.C. based on the results of the data review process, which is modeled after the *USEPA CLP National Functional Guidelines for Organic Data Review* (October 1999) and the *USEPA SOP Method 524.2*.

Accutest Laboratories

Report of Analysis

Client Sample ID:	W4		
Lab Sample ID:	JA33930-5	Date Sampled:	11/24/09
Matrix:	DW - Drinking Water	Date Received:	11/25/09
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	1B40150.D	1	12/05/09	MMC	n/a	n/a	V1B1757
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	1.4	ug/l	UJ
78-93-3	2-Butanone	ND		5.0	1.5	ug/l	UJ
71-43-2	Benzene	ND	5.0	0.50	0.12	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.099	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.11	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.076	ug/l	
75-25-2	Bromoform	ND		0.50	0.078	ug/l	
74-83-9	Bromomethane	ND		0.50	0.16	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.14	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.052	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.099	ug/l	
75-00-3	Chloroethane	ND		0.50	0.21	ug/l	
67-66-3	Chloroform	ND		0.50	0.058	ug/l	
74-87-3	Chloromethane	ND		0.50	0.19	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.12	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.098	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.067	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.11	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.088	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.075	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.099	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.10	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.12	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.20	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.056	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.092	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

3.5

Sample results have been qualified by C. T. Male Associates, P.C. based on the results of the data review process, which is modeled after the *USEPA CLP National Functional Guidelines for Organic Data Review* (October 1999) and the *USEPA SOP Method 524.2*.

Accutest Laboratories

Report of Analysis

Client Sample ID:	W4		
Lab Sample ID:	JA33930-5	Date Sampled:	11/24/09
Matrix:	DW - Drinking Water	Date Received:	11/25/09
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	0.090	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.082	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.091	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.051	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.39	70	0.50	0.086	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	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.15	ug/l	
110-54-3	Hexane	ND		0.50	0.21	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.62	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.12	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.080	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.66	ug/l	
91-20-3	Naphthalene	ND		0.50	0.14	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.14	ug/l	
100-42-5	Styrene	ND	100	0.50	0.085	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.067	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.092	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.067	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.052	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.067	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	0.42	5.0	0.50	0.15	ug/l	J
108-88-3	Toluene	ND	1000	0.50	0.045	ug/l	
79-01-6	Trichloroethylene	0.25	5.0	0.50	0.13	ug/l	J
75-69-4	Trichlorofluoromethane	ND		1.0	0.11	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.099	ug/l	
	m,p-Xylene	ND		1.0	0.12	ug/l	
95-47-6	o-Xylene	ND		0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	103%		78-114%
460-00-4	4-Bromofluorobenzene	101%		77-115%

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: 1B40153.D

Accutest Laboratories

Report of Analysis

3.6.3

Client Sample ID:	W11		
Lab Sample ID:	JA33930-6	Date Sampled:	11/24/09
Matrix:	DW - Drinking Water	Date Received:	11/25/09
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	1B40153.D	1	12/05/09	MMC	n/a	n/a	V1B1757
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	1.4	ug/l	UJ
78-93-3	2-Butanone	ND		5.0	1.5	ug/l	UJ
71-43-2	Benzene	ND	5.0	0.50	0.12	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.099	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.11	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.076	ug/l	
75-25-2	Bromoform	ND		0.50	0.078	ug/l	
74-83-9	Bromomethane	ND		0.50	0.16	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.14	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.052	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.099	ug/l	
75-00-3	Chloroethane	ND		0.50	0.21	ug/l	
67-66-3	Chloroform	0.073		0.50	0.058	ug/l	J
74-87-3	Chloromethane	ND		0.50	0.19	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.12	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.098	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.067	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.11	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.088	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.075	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.099	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.10	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.12	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.20	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.056	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.092	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

Accutest Laboratories

Report of Analysis

Client Sample ID:	W11		
Lab Sample ID:	JA33930-6	Date Sampled:	11/24/09
Matrix:	DW - Drinking Water	Date Received:	11/25/09
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	0.090	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.082	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.091	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.051	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.086	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.15	ug/l	
110-54-3	Hexane	ND		0.50	0.21	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.62	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.12	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.091		0.50	0.080	ug/l	J
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.66	ug/l	
91-20-3	Naphthalene	ND		0.50	0.14	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.14	ug/l	
100-42-5	Styrene	ND	100	0.50	0.085	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.067	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.092	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.067	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.052	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.067	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	0.53	5.0	0.50	0.15	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.045	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.11	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.099	ug/l	
	m,p-Xylene	ND		1.0	0.12	ug/l	
95-47-6	o-Xylene	ND		0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	100%		78-114%
460-00-4	4-Bromofluorobenzene	103%		77-115%

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

3.6

Sample results have been qualified by C. T. Male Associates, P.C. based on the results of the data review process, which is modeled after the *USEPA CLP National Functional Guidelines for Organic Data Review* (October 1999) and the *USEPA SOP Method 524.2*.

Raw Data: 1B40154.D

Accutest Laboratories

Report of Analysis

3.7

Client Sample ID:	FB		
Lab Sample ID:	JA33930-7	Date Sampled:	11/24/09
Matrix:	DW - Drinking Water FB	Date Received:	11/25/09
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	1B40154.D	1	12/05/09	MMC	n/a	n/a	V1B1757
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	1.4	ug/l	UJ
78-93-3	2-Butanone	ND		5.0	1.5	ug/l	UJ
71-43-2	Benzene	ND	5.0	0.50	0.12	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.099	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.11	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.076	ug/l	
75-25-2	Bromoform	ND		0.50	0.078	ug/l	
74-83-9	Bromomethane	ND		0.50	0.16	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.14	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.052	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.099	ug/l	
75-00-3	Chloroethane	ND		0.50	0.21	ug/l	
67-66-3	Chloroform	ND		0.50	0.058	ug/l	
74-87-3	Chloromethane	ND		0.50	0.19	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.12	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.098	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.067	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.11	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.088	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.075	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.099	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.10	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.12	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.20	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.056	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.092	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

Sample results have been qualified by C. T. Male Associates, P.C. based on the results of the data review process, which is modeled after the *USEPA CLP National Functional Guidelines for Organic Data Review* (October 1999) and the *USEPA SOP Method 524.2*.

Accutest Laboratories

Report of Analysis

3.7

Client Sample ID:	FB		
Lab Sample ID:	JA33930-7	Date Sampled:	11/24/09
Matrix:	DW - Drinking Water FB	Date Received:	11/25/09
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	0.090	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.082	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.091	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.051	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.086	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.15	ug/l	
110-54-3	Hexane	ND		0.50	0.21	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.62	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.12	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.080	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.66	ug/l	
91-20-3	Naphthalene	ND		0.50	0.14	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.14	ug/l	
100-42-5	Styrene	ND	100	0.50	0.085	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.067	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.092	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.067	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.052	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.067	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.15	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.045	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.11	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.099	ug/l	
	m,p-Xylene	ND		1.0	0.12	ug/l	
95-47-6	o-Xylene	ND		0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	99%		78-114%
460-00-4	4-Bromofluorobenzene	100%		77-115%

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: 1B40155.D

Accutest Laboratories

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	JA33930-8	Date Sampled:	11/24/09
Matrix:	DW - Drinking Water TB	Date Received:	11/25/09
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	1B40155.D	1	12/05/09	MMC	n/a	n/a	V1B1757
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	1.4	ug/l	UJ
78-93-3	2-Butanone	ND		5.0	1.5	ug/l	UJ
71-43-2	Benzene	ND	5.0	0.50	0.12	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.099	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.11	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.076	ug/l	
75-25-2	Bromoform	ND		0.50	0.078	ug/l	
74-83-9	Bromomethane	ND		0.50	0.16	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.14	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.052	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.099	ug/l	
75-00-3	Chloroethane	ND		0.50	0.21	ug/l	
67-66-3	Chloroform	ND		0.50	0.058	ug/l	
74-87-3	Chloromethane	ND		0.50	0.19	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.12	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.098	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.067	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.11	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.088	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.075	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.099	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.10	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.12	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.20	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.056	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.092	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

3.8

Sample results have been qualified by C. T. Male Associates, P.C. based on the results of the data review process, which is modeled after the *USEPA CLP National Functional Guidelines for Organic Data Review* (October 1999) and the *USEPA SOP Method 524.2*.

Accutest Laboratories

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	JA33930-8	Date Sampled:	11/24/09
Matrix:	DW - Drinking Water TB	Date Received:	11/25/09
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	0.090	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.082	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.091	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.051	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.086	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.15	ug/l	
110-54-3	Hexane	ND		0.50	0.21	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.62	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.12	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.080	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.66	ug/l	
91-20-3	Naphthalene	ND		0.50	0.14	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.14	ug/l	
100-42-5	Styrene	ND	100	0.50	0.085	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.067	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.092	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.067	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.052	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.067	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.15	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.045	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.11	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.099	ug/l	
	m,p-Xylene	ND		1.0	0.12	ug/l	
95-47-6	o-Xylene	ND		0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	102%		78-114%
460-00-4	4-Bromofluorobenzene	103%		77-115%

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

Technical Report for

Environmental Planning and Management

Katonah Q4, Katonah Pump House, Bedford, NY

29001

Accutest Job Number: JA33930

Sampling Date: 11/24/09

Report to:

EPM
1983 Marcus Avenue Suite 109
Lake Success, NY 11042
scherepany@epmco.com

ATTN: Steve Cherepany

Total number of pages in report: **142**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

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

David N. Speis
VP Ops, Laboratory Director

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

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Accutest Laboratories

Sample Summary

Environmental Planning and Management

Job No: JA33930

Katonah Q4, Katonah Pump House, Bedford, NY
Project No: 29001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA33930-1	11/24/09	08:25	SC	11/25/09	DW	Drinking Water	RW
JA33930-1D	11/24/09	08:35	SC	11/25/09	DW	Drinking Water Dup.	RW/MSD
JA33930-1S	11/24/09	08:35	SC	11/25/09	DW	Drinking Water MS	RW/MS
JA33930-2	11/24/09	00:00	SC	11/25/09	DW	Drinking Water	DUP
JA33930-3	11/24/09	08:55	SC	11/25/09	DW	Drinking Water	DIST
JA33930-4	11/24/09	09:05	SC	11/25/09	DW	Drinking Water Eff	STEFF
JA33930-5	11/24/09	12:30	SC	11/25/09	DW	Drinking Water	W4
JA33930-6	11/24/09	11:30	SC	11/25/09	DW	Drinking Water	W11
JA33930-7	11/24/09	13:00	SC	11/25/09	DW	Drinking Water FB	FB
JA33930-8	11/24/09	13:00	SC	11/25/09	DW	Drinking Water TB	TB

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Environmental Planning and Management	**Job No**	JA33930
Site:	Katonah Q4, Katonah Pump House, Bedford, NY	**Report Date**	12/15/2009 4:53:47 P

On 11/25/2009, 6 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 3.6 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA33930 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:** V1B1757

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA33930-1MS, JA33930-1MSD were used as the QC samples indicated.
- RPD(s) for MSD for Trichlorofluoromethane are outside control limits for sample JA33930-1MSD. 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: RW
Lab Sample ID: JA33930-1 **Date Sampled:** 11/24/09
Matrix: DW - Drinking Water **Date Received:** 11/25/09
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	1B40146.D	1	12/05/09	MMC	n/a	n/a	V1B1757
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	1.4	ug/l	
78-93-3	2-Butanone	ND		5.0	1.5	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.12	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.099	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.11	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.076	ug/l	
75-25-2	Bromoform	ND		0.50	0.078	ug/l	
74-83-9	Bromomethane	ND		0.50	0.16	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.14	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.052	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.099	ug/l	
75-00-3	Chloroethane	ND		0.50	0.21	ug/l	
67-66-3	Chloroform	ND		0.50	0.058	ug/l	
74-87-3	Chloromethane	ND		0.50	0.19	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.12	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.098	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.067	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.11	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.088	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.075	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.099	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.10	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.12	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.20	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.056	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.092	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: JA33930-1 **Date Sampled:** 11/24/09
Matrix: DW - Drinking Water **Date Received:** 11/25/09
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	0.090	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.082	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.091	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.051	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.46	70	0.50	0.086	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	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.15	ug/l	
110-54-3	Hexane	ND		0.50	0.21	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.62	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.12	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.11		0.50	0.080	ug/l	J
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.66	ug/l	
91-20-3	Naphthalene	ND		0.50	0.14	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.14	ug/l	
100-42-5	Styrene	ND	100	0.50	0.085	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.067	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.092	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.067	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.052	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.067	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	23.0	5.0	0.50	0.15	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.045	ug/l	
79-01-6	Trichloroethylene	0.66	5.0	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.11	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.099	ug/l	
	m,p-Xylene	ND		1.0	0.12	ug/l	
95-47-6	o-Xylene	ND		0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	100%		78-114%
460-00-4	4-Bromofluorobenzene	103%		77-115%

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: JA33930-2 **Date Sampled:** 11/24/09
Matrix: DW - Drinking Water **Date Received:** 11/25/09
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	1B40147.D	1	12/05/09	MMC	n/a	n/a	V1B1757
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	1.4	ug/l	
78-93-3	2-Butanone	ND		5.0	1.5	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.12	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.099	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.11	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.076	ug/l	
75-25-2	Bromoform	ND		0.50	0.078	ug/l	
74-83-9	Bromomethane	ND		0.50	0.16	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.14	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.052	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.099	ug/l	
75-00-3	Chloroethane	ND		0.50	0.21	ug/l	
67-66-3	Chloroform	ND		0.50	0.058	ug/l	
74-87-3	Chloromethane	ND		0.50	0.19	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.12	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.098	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.067	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.11	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.088	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.075	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.099	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.10	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.12	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.20	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.056	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.092	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: JA33930-2 **Date Sampled:** 11/24/09
Matrix: DW - Drinking Water **Date Received:** 11/25/09
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	0.090	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.082	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.091	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.051	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50	70	0.50	0.086	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.15	ug/l	
110-54-3	Hexane	ND		0.50	0.21	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.62	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.12	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.11		0.50	0.080	ug/l	J
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.66	ug/l	
91-20-3	Naphthalene	ND		0.50	0.14	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.14	ug/l	
100-42-5	Styrene	ND	100	0.50	0.085	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.067	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.092	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.067	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.052	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.067	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	24.3	5.0	0.50	0.15	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.045	ug/l	
79-01-6	Trichloroethylene	0.64	5.0	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.11	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.099	ug/l	
	m,p-Xylene	ND		1.0	0.12	ug/l	
95-47-6	o-Xylene	ND		0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	101%		78-114%
460-00-4	4-Bromofluorobenzene	100%		77-115%

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: DIST
Lab Sample ID: JA33930-3 **Date Sampled:** 11/24/09
Matrix: DW - Drinking Water **Date Received:** 11/25/09
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	1B40148.D	1	12/05/09	MMC	n/a	n/a	V1B1757
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	1.4	ug/l	
78-93-3	2-Butanone	ND		5.0	1.5	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.12	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.099	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.11	ug/l	
75-27-4	Bromodichloromethane	0.56		0.50	0.076	ug/l	
75-25-2	Bromoform	2.6		0.50	0.078	ug/l	
74-83-9	Bromomethane	ND		0.50	0.16	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.14	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.052	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.099	ug/l	
75-00-3	Chloroethane	ND		0.50	0.21	ug/l	
67-66-3	Chloroform	0.19		0.50	0.058	ug/l	J
74-87-3	Chloromethane	ND		0.50	0.19	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.12	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.098	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.067	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.11	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.088	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.075	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.099	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.10	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.12	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.20	ug/l	
124-48-1	Dibromochloromethane	1.7		0.50	0.056	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.092	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: JA33930-3 **Date Sampled:** 11/24/09
Matrix: DW - Drinking Water **Date Received:** 11/25/09
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	0.090	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.082	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.091	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.051	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.086	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.15	ug/l	
110-54-3	Hexane	ND		0.50	0.21	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.62	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.12	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.080	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.66	ug/l	
91-20-3	Naphthalene	ND		0.50	0.14	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.14	ug/l	
100-42-5	Styrene	ND	100	0.50	0.085	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.067	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.092	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.067	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.052	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.067	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.15	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.045	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.11	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.099	ug/l	
	m,p-Xylene	ND		1.0	0.12	ug/l	
95-47-6	o-Xylene	ND		0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	98%		78-114%
460-00-4	4-Bromofluorobenzene	101%		77-115%

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: JA33930-4 **Date Sampled:** 11/24/09
Matrix: DW - Drinking Water Eff **Date Received:** 11/25/09
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	1B40149.D	1	12/05/09	MMC	n/a	n/a	V1B1757
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	1.4	ug/l	
78-93-3	2-Butanone	ND		5.0	1.5	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.12	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.099	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.11	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.076	ug/l	
75-25-2	Bromoform	ND		0.50	0.078	ug/l	
74-83-9	Bromomethane	ND		0.50	0.16	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.14	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.052	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.099	ug/l	
75-00-3	Chloroethane	ND		0.50	0.21	ug/l	
67-66-3	Chloroform	ND		0.50	0.058	ug/l	
74-87-3	Chloromethane	ND		0.50	0.19	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.12	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.098	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.067	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.11	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.088	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.075	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.099	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.10	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.12	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.20	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.056	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.092	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:	JA33930-4	**Date Sampled:**	11/24/09
Matrix:	DW - Drinking Water Eff	**Date Received:**	11/25/09
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	0.090	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.082	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.091	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.051	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.086	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.15	ug/l	
110-54-3	Hexane	ND		0.50	0.21	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.62	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.12	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.080	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.66	ug/l	
91-20-3	Naphthalene	ND		0.50	0.14	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.14	ug/l	
100-42-5	Styrene	ND	100	0.50	0.085	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.067	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.092	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.067	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.052	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.067	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.15	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.045	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.11	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.099	ug/l	
	m,p-Xylene	ND		1.0	0.12	ug/l	
95-47-6	o-Xylene	ND		0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	102%		78-114%
460-00-4	4-Bromofluorobenzene	102%		77-115%

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: W4
Lab Sample ID: JA33930-5 **Date Sampled:** 11/24/09
Matrix: DW - Drinking Water **Date Received:** 11/25/09
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	1B40150.D	1	12/05/09	MMC	n/a	n/a	V1B1757
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	1.4	ug/l	
78-93-3	2-Butanone	ND		5.0	1.5	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.12	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.099	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.11	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.076	ug/l	
75-25-2	Bromoform	ND		0.50	0.078	ug/l	
74-83-9	Bromomethane	ND		0.50	0.16	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.14	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.052	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.099	ug/l	
75-00-3	Chloroethane	ND		0.50	0.21	ug/l	
67-66-3	Chloroform	ND		0.50	0.058	ug/l	
74-87-3	Chloromethane	ND		0.50	0.19	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.12	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.098	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.067	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.11	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.088	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.075	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.099	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.10	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.12	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.20	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.056	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.092	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: W4
Lab Sample ID: JA33930-5 **Date Sampled:** 11/24/09
Matrix: DW - Drinking Water **Date Received:** 11/25/09
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	0.090	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.082	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.091	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.051	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.39	70	0.50	0.086	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	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.15	ug/l	
110-54-3	Hexane	ND		0.50	0.21	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.62	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.12	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.080	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.66	ug/l	
91-20-3	Naphthalene	ND		0.50	0.14	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.14	ug/l	
100-42-5	Styrene	ND	100	0.50	0.085	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.067	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.092	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.067	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.052	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.067	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	0.42	5.0	0.50	0.15	ug/l	J
108-88-3	Toluene	ND	1000	0.50	0.045	ug/l	
79-01-6	Trichloroethylene	0.25	5.0	0.50	0.13	ug/l	J
75-69-4	Trichlorofluoromethane	ND		1.0	0.11	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.099	ug/l	
	m,p-Xylene	ND		1.0	0.12	ug/l	
95-47-6	o-Xylene	ND		0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	103%		78-114%
460-00-4	4-Bromofluorobenzene	101%		77-115%

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: W11
Lab Sample ID: JA33930-6 **Date Sampled:** 11/24/09
Matrix: DW - Drinking Water **Date Received:** 11/25/09
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	1B40153.D	1	12/05/09	MMC	n/a	n/a	V1B1757
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	1.4	ug/l	
78-93-3	2-Butanone	ND		5.0	1.5	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.12	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.099	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.11	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.076	ug/l	
75-25-2	Bromoform	ND		0.50	0.078	ug/l	
74-83-9	Bromomethane	ND		0.50	0.16	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.14	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.052	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.099	ug/l	
75-00-3	Chloroethane	ND		0.50	0.21	ug/l	
67-66-3	Chloroform	0.073		0.50	0.058	ug/l	J
74-87-3	Chloromethane	ND		0.50	0.19	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.12	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.098	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.067	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.11	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.088	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.075	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.099	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.10	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.12	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.20	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.056	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.092	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: W11
Lab Sample ID: JA33930-6 **Date Sampled:** 11/24/09
Matrix: DW - Drinking Water **Date Received:** 11/25/09
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	0.090	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.082	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.091	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.051	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.086	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.15	ug/l	
110-54-3	Hexane	ND		0.50	0.21	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.62	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.12	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.091		0.50	0.080	ug/l	J
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.66	ug/l	
91-20-3	Naphthalene	ND		0.50	0.14	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.14	ug/l	
100-42-5	Styrene	ND	100	0.50	0.085	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.067	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.092	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.067	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.052	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.067	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	0.53	5.0	0.50	0.15	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.045	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.11	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.099	ug/l	
	m,p-Xylene	ND		1.0	0.12	ug/l	
95-47-6	o-Xylene	ND		0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	100%		78-114%
460-00-4	4-Bromofluorobenzene	103%		77-115%

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: FB
Lab Sample ID: JA33930-7 **Date Sampled:** 11/24/09
Matrix: DW - Drinking Water FB **Date Received:** 11/25/09
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	1B40154.D	1	12/05/09	MMC	n/a	n/a	V1B1757
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	1.4	ug/l	
78-93-3	2-Butanone	ND		5.0	1.5	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.12	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.099	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.11	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.076	ug/l	
75-25-2	Bromoform	ND		0.50	0.078	ug/l	
74-83-9	Bromomethane	ND		0.50	0.16	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.14	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.052	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.099	ug/l	
75-00-3	Chloroethane	ND		0.50	0.21	ug/l	
67-66-3	Chloroform	ND		0.50	0.058	ug/l	
74-87-3	Chloromethane	ND		0.50	0.19	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.12	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.098	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.067	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.11	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.088	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.075	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.099	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.10	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.12	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.20	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.056	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.092	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:	FB		
Lab Sample ID:	JA33930-7	**Date Sampled:**	11/24/09
Matrix:	DW - Drinking Water FB	**Date Received:**	11/25/09
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	0.090	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.082	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.091	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.051	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.086	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.15	ug/l	
110-54-3	Hexane	ND		0.50	0.21	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.62	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.12	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.080	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.66	ug/l	
91-20-3	Naphthalene	ND		0.50	0.14	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.14	ug/l	
100-42-5	Styrene	ND	100	0.50	0.085	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.067	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.092	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.067	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.052	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.067	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.15	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.045	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.11	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.099	ug/l	
	m,p-Xylene	ND		1.0	0.12	ug/l	
95-47-6	o-Xylene	ND		0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	99%		78-114%
460-00-4	4-Bromofluorobenzene	100%		77-115%

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: TB
Lab Sample ID: JA33930-8 **Date Sampled:** 11/24/09
Matrix: DW - Drinking Water TB **Date Received:** 11/25/09
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	1B40155.D	1	12/05/09	MMC	n/a	n/a	V1B1757
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	1.4	ug/l	
78-93-3	2-Butanone	ND		5.0	1.5	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.12	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.099	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.11	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.076	ug/l	
75-25-2	Bromoform	ND		0.50	0.078	ug/l	
74-83-9	Bromomethane	ND		0.50	0.16	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.14	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.052	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.099	ug/l	
75-00-3	Chloroethane	ND		0.50	0.21	ug/l	
67-66-3	Chloroform	ND		0.50	0.058	ug/l	
74-87-3	Chloromethane	ND		0.50	0.19	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.12	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.098	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.067	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.11	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.088	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.075	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.099	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.10	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.12	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.20	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.056	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.092	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: TB
Lab Sample ID: JA33930-8 **Date Sampled:** 11/24/09
Matrix: DW - Drinking Water TB **Date Received:** 11/25/09
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	0.090	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.082	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.091	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.051	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.086	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.15	ug/l	
110-54-3	Hexane	ND		0.50	0.21	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.62	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.12	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		0.50	0.080	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.66	ug/l	
91-20-3	Naphthalene	ND		0.50	0.14	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.14	ug/l	
100-42-5	Styrene	ND	100	0.50	0.085	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.067	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.092	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.067	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.052	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.067	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.15	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.045	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.11	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.099	ug/l	
	m,p-Xylene	ND		1.0	0.12	ug/l	
95-47-6	o-Xylene	ND		0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	102%		78-114%
460-00-4	4-Bromofluorobenzene	103%		77-115%

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
- 2009 MDL Study - Method: EPA 524.2 REV 4.1

PW
TB, FB

ACCUTEST. Laboratories

CHAIN OF CUSTODY

JA33930 PAGE 1 OF 1

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

FED-EX Tracking # 466422953276 | Bottle Order Control # TE 11/17/2009-9
Accutest Quote # | Accutest Job # JA 33930

Client / Reporting Information

Company Name: EP MInc,
Street Address: 1983 Marcus Ave
City: Lake Success State: NY Zip: 11042
Project Contact: Steve Cherepany E-mail: Scherepany@epmaccom
Phone #: 516-328-1194 Fax #: 516-328-1381
Sampler(s) Name(s): S. Cherepany Phone #:

Project Information

Project Name: Kurbrick 2009
Street: Kurbrick Pump House
City: Town of Bedford State: NY
Project #: 39001
Client Purchase Order #: TE 11/17/2009-5
Project Manager: S. Cherepany

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

524.2 Rev 3 VOCs

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
-1	-1 RW		11/24/09	8:35	SC	DW	3	X								431
-1	RW/MS MSD			8:35			3	X								
-3	-2 DUP			—			3	X								
-4	-3 DIST			8:55			3	X								
-5	-4 STEFF			9:05			3	X								
-6	-5 W4			12:30			3	X								
-7	-6 W11			11:30			3	X								
	-7 FB			13:00		WW	3	X								
	-8 TB		11/17/09	6:30	—	WW	2	X								

Turnaround Time (Business days)

- [x] Std. 15 Business Days
- [ ] Std. 10 Business Days (by Contract only)
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

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

Relinquished by Sampler: 1 S Cherepany	Date Time: 11/24/09	Received By: 1 Fed Ex	Relinquished By: 2 Fed Ex	Date Time: 11/25/09 0930	Received By: 2		
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4		
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # 360 Received	Intact / Not intact	Preserved where applicable	On Ice	Cooler Temp. 3.6°C

TM 11/25/09 TBJ

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA33930 **Client:** **Immediate Client Services Action Required:** No

Date / Time Received: 11/25/2009 **Delivery Method:** **Client Service Action Required at Login:** No

Project: **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	
2. Trip Blank listed on COC:	☑		☐	
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Internal Sample Tracking Chronicle

Environmental Planning and Management

Job No: JA33930

Katonah Q4, Katonah Pump House, Bedford, NY
Project No: 29001

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA33930-1 RW	Collected: 24-NOV-09 08:25	By: SC	Received: 25-NOV-09	By: TH		
JA33930-1	EPA 524.2 REV 4.1	05-DEC-09 13:10	MMC			V524STD
JA33930-2 DUP	Collected: 24-NOV-09 00:00	By: SC	Received: 25-NOV-09	By: TH		
JA33930-2	EPA 524.2 REV 4.1	05-DEC-09 13:47	MMC			V524STD
JA33930-3 DIST	Collected: 24-NOV-09 08:55	By: SC	Received: 25-NOV-09	By: TH		
JA33930-3	EPA 524.2 REV 4.1	05-DEC-09 14:24	MMC			V524STD
JA33930-4 STEFF	Collected: 24-NOV-09 09:05	By: SC	Received: 25-NOV-09	By: TH		
JA33930-4	EPA 524.2 REV 4.1	05-DEC-09 15:01	MMC			V524STD
JA33930-5 W4	Collected: 24-NOV-09 12:30	By: SC	Received: 25-NOV-09	By: TH		
JA33930-5	EPA 524.2 REV 4.1	05-DEC-09 15:38	MMC			V524STD
JA33930-6 W11	Collected: 24-NOV-09 11:30	By: SC	Received: 25-NOV-09	By: TH		
JA33930-6	EPA 524.2 REV 4.1	05-DEC-09 17:29	MMC			V524STD
JA33930-7 FB	Collected: 24-NOV-09 13:00	By: SC	Received: 25-NOV-09	By: TH		
JA33930-7	EPA 524.2 REV 4.1	05-DEC-09 18:06	MMC			V524STD
JA33930-8 TB	Collected: 24-NOV-09 13:00	By: SC	Received: 25-NOV-09	By: TH		
JA33930-8	EPA 524.2 REV 4.1	05-DEC-09 18:43	MMC			V524STD

Accutest Internal Chain of Custody

Job Number: JA33930
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY
Received: 11/25/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA33930-1.1	Secured Storage	Mei Chen	12/03/09 14:41	Retrieve from Storage
JA33930-1.1	Mei Chen	VOA Prep Storage	12/03/09 14:41	Return to Storage
JA33930-1.1	VOA Prep Storage	Dong, Mei	12/05/09 09:10	Retrieve from Storage
JA33930-1.1	Dong, Mei	GCMS1B	12/05/09 09:11	Load on Instrument
JA33930-1.1	GCMS1B	Mei Chen	12/07/09 07:24	Unload from Instrument
JA33930-1.1	Mei Chen	Secured Storage	12/07/09 07:24	Return to Storage
JA33930-1.2	Secured Storage	Mei Chen	12/03/09 14:41	Retrieve from Storage
JA33930-1.2	Mei Chen	VOA Prep Storage	12/03/09 14:41	Return to Storage
JA33930-1.2	VOA Prep Storage	Dong, Mei	12/05/09 09:10	Retrieve from Storage
JA33930-1.2	Dong, Mei	GCMS1B	12/05/09 09:11	Load on Instrument
JA33930-1.2	GCMS1B	Mei Chen	12/07/09 07:24	Unload from Instrument
JA33930-1.2	Mei Chen	Secured Storage	12/07/09 07:24	Return to Storage
JA33930-1.3	Secured Storage	Mei Chen	12/03/09 14:41	Retrieve from Storage
JA33930-1.3	Mei Chen	VOA Prep Storage	12/03/09 14:41	Return to Storage
JA33930-1.3	VOA Prep Storage	Dong, Mei	12/05/09 09:10	Retrieve from Storage
JA33930-1.3	Dong, Mei	GCMS1B	12/05/09 09:11	Load on Instrument
JA33930-1.3	GCMS1B	Mei Chen	12/07/09 07:24	Unload from Instrument
JA33930-1.3	Mei Chen	Secured Storage	12/07/09 07:24	Return to Storage
JA33930-2.1	Secured Storage	Mei Chen	12/03/09 14:41	Retrieve from Storage
JA33930-2.1	Mei Chen	VOA Prep Storage	12/03/09 14:41	Return to Storage
JA33930-2.1	VOA Prep Storage	Dong, Mei	12/05/09 09:10	Retrieve from Storage
JA33930-2.1	Dong, Mei	GCMS1B	12/05/09 09:11	Load on Instrument
JA33930-2.1	GCMS1B	Mei Chen	12/07/09 07:24	Unload from Instrument
JA33930-2.1	Mei Chen	Secured Storage	12/07/09 07:24	Return to Storage
JA33930-3.1	Secured Storage	Mei Chen	12/03/09 14:41	Retrieve from Storage
JA33930-3.1	Mei Chen	VOA Prep Storage	12/03/09 14:41	Return to Storage
JA33930-3.1	VOA Prep Storage	Dong, Mei	12/05/09 09:10	Retrieve from Storage
JA33930-3.1	Dong, Mei	GCMS1B	12/05/09 09:11	Load on Instrument
JA33930-3.1	GCMS1B	Mei Chen	12/07/09 07:24	Unload from Instrument
JA33930-3.1	Mei Chen	Secured Storage	12/07/09 07:24	Return to Storage
JA33930-4.1	Secured Storage	Mei Chen	12/03/09 14:41	Retrieve from Storage
JA33930-4.1	Mei Chen	VOA Prep Storage	12/03/09 14:41	Return to Storage
JA33930-4.1	VOA Prep Storage	Dong, Mei	12/05/09 09:10	Retrieve from Storage
JA33930-4.1	Dong, Mei	GCMS1B	12/05/09 09:11	Load on Instrument
JA33930-4.1	GCMS1B	Mei Chen	12/07/09 07:24	Unload from Instrument
JA33930-4.1	Mei Chen	Secured Storage	12/07/09 07:24	Return to Storage
JA33930-5.1	Secured Storage	Mei Chen	12/03/09 14:41	Retrieve from Storage
JA33930-5.1	Mei Chen	VOA Prep Storage	12/03/09 14:41	Return to Storage

Accutest Internal Chain of Custody

Job Number: JA33930
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY
Received: 11/25/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA33930-5.1	VOA Prep Storage	Dong, Mei	12/05/09 09:10	Retrieve from Storage
JA33930-5.1	Dong, Mei	GCMS1B	12/05/09 09:11	Load on Instrument
JA33930-5.1	GCMS1B	Mei Chen	12/07/09 07:24	Unload from Instrument
JA33930-5.1	Mei Chen	Secured Storage	12/07/09 07:24	Return to Storage
JA33930-6.1	Secured Storage	Mei Chen	12/03/09 14:41	Retrieve from Storage
JA33930-6.1	Mei Chen	VOA Prep Storage	12/03/09 14:41	Return to Storage
JA33930-6.1	VOA Prep Storage	Dong, Mei	12/05/09 09:10	Retrieve from Storage
JA33930-6.1	Dong, Mei	GCMS1B	12/05/09 09:11	Load on Instrument
JA33930-6.1	GCMS1B	Mei Chen	12/07/09 07:24	Unload from Instrument
JA33930-6.1	Mei Chen	Secured Storage	12/07/09 07:24	Return to Storage
JA33930-7.1	Secured Storage	Mei Chen	12/03/09 14:41	Retrieve from Storage
JA33930-7.1	Mei Chen	VOA Prep Storage	12/03/09 14:41	Return to Storage
JA33930-7.1	VOA Prep Storage	Dong, Mei	12/05/09 09:10	Retrieve from Storage
JA33930-7.1	Dong, Mei	GCMS1B	12/05/09 09:11	Load on Instrument
JA33930-7.1	GCMS1B	Mei Chen	12/07/09 07:24	Unload from Instrument
JA33930-7.1	Mei Chen	Secured Storage	12/07/09 07:24	Return to Storage
JA33930-8.1	Secured Storage	Mei Chen	12/03/09 14:41	Retrieve from Storage
JA33930-8.1	Mei Chen	VOA Prep Storage	12/03/09 14:41	Return to Storage
JA33930-8.1	VOA Prep Storage	Dong, Mei	12/05/09 09:10	Retrieve from Storage
JA33930-8.1	Dong, Mei	GCMS1B	12/05/09 09:11	Load on Instrument
JA33930-8.1	GCMS1B	Mei Chen	12/07/09 07:24	Unload from Instrument
JA33930-8.1	Mei Chen	Secured Storage	12/07/09 07:24	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, GCMS1B, GCMS2B, GCMS2E, GCMS3A, GCMS3B
Analyst: Pooled
Matrix: AQ
Quant Factor: 1.00
Study Period: March,2009

			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	MDL	Spike/MDL Ratio
Acetone	26-Jan-09	3	3.23	3.94	2.88	2.95	2.66	3.25	3.61	3.22	107.24	0.44	1.39	2.15
Acrolein	11-Mar-09	50	76.25	78.48	85.15	71.10	76.71	88.61	72.02	78.33	156.66	6.47	20.34	2.46
Acrylonitrile	28-Jan-09	5	2.88	1.00	1.79	3.98	3.47	3.97	3.41	2.93	58.53	1.13	3.57	1.40
Allyl chloride	27-Jan-09	0.5	0.38	0.44	0.42	0.32	0.45	0.48	0.41	0.41	82.94	0.05	0.17	2.97
2-Butanone	28-Jan-09	3	0.79	1.00	1.22	0.95	1.11	1.48	2.17	1.25	41.55	0.46	1.45	2.07
Benzene	9-Mar-09	1	1.07	0.99	1.03	0.98	0.98	1.04	0.98	1.01	101.00	0.04	0.12	8.54
Bromobenzene	9-Mar-09	1	0.91	0.88	0.94	0.88	0.87	0.95	0.88	0.90	90.38	0.03	0.10	10.13
Bromochloromethane	27-Jan-09	0.5	0.36	0.40	0.42	0.45	0.45	0.38	0.42	0.41	82.52	0.03	0.11	4.65
Bromodichloromethane	9-Mar-09	1	0.97	0.95	0.99	0.96	0.96	1.00	0.94	0.97	96.55	0.02	0.08	13.12
Bromoform	29-Jan-09	0.5	0.25	0.27	0.29	0.31	0.31	0.32	0.30	0.29	58.42	0.02	0.08	6.38
Bromomethane	29-Jan-09	0.5	0.74	0.77	0.85	0.85	0.79	0.89	0.83	0.82	163.48	0.05	0.16	3.16
n-Butylbenzene	9-Mar-09	1	0.89	0.85	0.89	0.79	0.82	0.88	0.83	0.85	85.03	0.04	0.13	7.66
sec-Butylbenzene	9-Mar-09	1	0.93	0.88	0.93	0.81	0.86	0.92	0.87	0.89	88.55	0.04	0.14	7.24
tert-Butylbenzene	30-Jan-09	1	0.71	0.69	0.63	0.70	0.62	0.68	0.66	0.67	66.98	0.04	0.11	8.84
Carbon disulfide	6-Mar-09	0.5	0.47	0.45	0.46	0.44	0.44	0.43	0.46	0.45	90.22	0.02	0.05	9.58
Chloroacetonitrile	28-Jan-09	5	2.59	1.28	1.10	1.02	1.90	1.26	3.61	1.82	36.48	0.97	3.03	1.65
1-Chlorobutane	30-Jan-09	1	1.00	0.99	0.86	0.92	0.86	0.94	0.93	0.93	92.87	0.05	0.17	5.85
Chlorobenzene	5-Feb-09	1	0.94	0.96	0.95	0.87	0.91	0.95	0.92	0.93	93.07	0.03	0.10	10.15
Chloroethane	27-Jan-09	0.5	0.44	0.49	0.41	0.49	0.46	0.30	0.36	0.42	84.21	0.07	0.21	2.34
Chloroform	6-Mar-09	0.5	0.51	0.47	0.50	0.50	0.49	0.47	0.52	0.49	98.56	0.02	0.06	8.65
2-Chloroethyl vinyl ether	9-Mar-09	5	4.70	4.45	4.76	4.66	4.50	4.73	4.50	4.61	92.27	0.13	0.40	12.44
Chloromethane	27-Jan-09	0.2	0.27	0.20	0.27	0.32	0.30	0.17	0.33	0.27	133.07	0.06	0.19	1.06
o-Chlorotoluene	9-Mar-09	1	0.96	0.93	0.97	0.87	0.91	0.98	0.92	0.94	93.70	0.04	0.12	8.53
p-Chlorotoluene	30-Jan-09	1	0.85	0.84	0.77	0.81	0.76	0.81	0.79	0.80	80.34	0.03	0.10	10.20
Carbon tetrachloride	27-Jan-09	0.5	0.43	0.47	0.43	0.40	0.43	0.42	0.42	0.43	85.93	0.02	0.07	7.49
Cyclohexane	30-Jan-09	1	1.08	1.02	0.89	0.98	0.89	0.94	0.95	0.96	96.28	0.07	0.22	4.64
1,1-Dichloroethane	9-Mar-09	1	1.06	1.01	1.07	1.00	0.99	1.07	1.01	1.03	103.17	0.04	0.11	9.06
1,1-Dichloroethylene	29-Jan-09	0.5	0.24	0.28	0.26	0.36	0.25	0.32	0.28	0.29	57.02	0.04	0.13	3.73
1,1-Dichloropropene	29-Jan-09	0.5	0.26	0.26	0.27	0.26	0.28	0.33	0.30	0.28	55.72	0.03	0.09	5.71
1,2-Dibromo-3-chloropropane	30-Jan-09	1	0.68	0.60	0.54	0.59	0.52	0.54	0.66	0.59	59.00	0.06	0.20	5.07
1,2-Dibromoethane	27-Jan-09	0.2	0.18	0.11	0.14	0.17	0.15	0.17	0.17	0.16	78.40	0.02	0.07	2.67
1,2-Dichloroethane	9-Mar-09	1	1.02	0.98	1.06	1.02	1.01	1.08	1.02	1.03	102.70	0.03	0.10	10.09
1,2-Dichloropropane	9-Mar-09	1	1.03	1.00	1.05	0.98	0.97	1.05	1.00	1.01	101.10	0.03	0.10	9.60
1,3-Dichloropropane	9-Mar-09	1	1.00	0.94	1.04	1.00	0.98	1.06	0.98	1.00	100.07	0.04	0.12	8.06
2,2-Dichloropropane	30-Jan-09	1	0.99	0.98	0.84	0.90	0.85	0.84	0.87	0.90	89.69	0.06	0.20	5.01
Dibromochloromethane	27-Jan-09	0.2	0.19	0.15	0.17	0.16	0.20	0.19	0.17	0.17	86.94	0.02	0.06	3.57
Dibromomethane	27-Jan-09	0.5	0.41	0.42	0.41	0.40	0.50	0.44	0.46	0.43	86.72	0.04	0.11	4.36

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, GCMS1B, GCMS2B, GCMS2E, GCMS3A, GCMS3B
Analyst: Pooled

Matrix: AQ
Quant Factor: 1.00
Study Period: March,2009

Cmpd./Element/Parm. Name	Analysis Date	Spike ug/l	Replicate Spikes 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	MDL	Spike/MDL Ratio
Dichlorodifluoromethane	30-Jan-09	1	1.23	1.22	1.00	1.10	1.00	1.13	1.14	1.12	111.93	0.09	0.29	3.44
cis-1,3-Dichloropropene	9-Mar-09	1	0.95	0.91	0.98	0.91	0.92	0.97	0.93	0.94	94.15	0.03	0.09	10.82
m-Dichlorobenzene	9-Mar-09	1	0.93	0.91	0.94	0.88	0.88	0.95	0.89	0.91	91.25	0.03	0.09	11.12
o-Dichlorobenzene	9-Mar-09	1	0.93	0.90	0.96	0.89	0.90	0.95	0.91	0.92	91.99	0.03	0.08	12.22
p-Dichlorobenzene	9-Mar-09	1	0.92	0.92	0.92	0.87	0.88	0.94	0.88	0.90	90.35	0.03	0.09	11.03
trans-1,2-Dichloroethylene	29-Jan-09	0.2	0.17	0.18	0.16	0.18	0.18	0.14	0.16	0.17	82.75	0.02	0.05	3.94
cis-1,2-Dichloroethylene	9-Mar-09	1	1.04	0.98	1.03	0.99	0.99	1.05	1.00	1.01	101.09	0.03	0.09	11.57
trans-1,3-Dichloropropene	3-Feb-09	0.5	0.40	0.37	0.36	0.39	0.38	0.42	0.40	0.39	77.78	0.02	0.06	9.06
1,1-Dichloropropanone	11-Mar-09	5	6.27	6.22	5.58	6.01	5.59	5.57	5.85	5.87	117.39	0.30	0.95	5.24
Trans-1,4-Dichloro-2-Butene	5-Feb-09	5	4.96	4.85	4.78	4.76	4.50	4.65	4.75	4.75	94.98	0.15	0.46	10.86
Di-Isopropyl ether	9-Mar-09	1	1.00	0.99	1.04	1.01	0.98	1.05	0.99	1.01	100.72	0.03	0.09	10.82
1,4-Dioxane	30-Jan-09	1	10.43	7.90	11.58	10.02	8.74	5.09	7.26	8.72	871.72	2.19	6.89	0.15
Ethyl Acetate	26-Jan-09	1	0.64	0.52	0.42	0.64	0.48	0.17	0.44	0.47	47.40	0.16	0.50	1.99
Ethylbenzene	9-Mar-09	1	0.97	0.91	0.96	0.86	0.90	0.96	0.90	0.92	92.31	0.04	0.13	7.93
Ethyl tert Butyl Ether	9-Mar-09	1	0.98	0.94	1.00	0.99	0.94	1.01	0.95	0.97	97.24	0.03	0.09	11.44
Ethyl Ether	27-Jan-09	0.5	0.24	0.23	0.32	0.28	0.28	0.30	0.32	0.28	56.37	0.04	0.11	4.52
Ethyl methacrylate	30-Jan-09	1	0.53	0.52	0.50	0.53	0.46	0.48	0.55	0.51	51.17	0.03	0.10	10.14
Freon 113	26-Jan-09	1	0.78	0.59	0.63	0.64	0.74	0.73	0.17	0.61	61.21	0.21	0.64	1.55
Hexachlorobutadiene	30-Jan-09	1	0.87	0.94	0.82	0.88	0.81	0.92	0.88	0.87	87.28	0.05	0.15	6.83
Hexane	30-Jan-09	1	0.97	0.92	0.80	0.90	0.81	0.93	0.86	0.88	88.33	0.07	0.20	4.88
Hexachloroethane	29-Jan-09	0.5	0.22	0.21	0.25	0.25	0.22	0.21	0.27	0.23	46.76	0.02	0.07	6.87
2-Hexanone	27-Jan-09	1.5	0.69	0.64	0.26	0.22	0.46	0.68	0.59	0.50	33.61	0.20	0.62	2.42
Iodomethane	30-Jan-09	1	0.95	0.94	0.84	0.88	0.83	0.87	0.88	0.88	88.47	0.04	0.14	7.20
Isopropylbenzene	9-Mar-09	1	0.95	0.90	0.93	0.85	0.88	0.95	0.87	0.90	90.23	0.04	0.13	7.94
p-Isopropyltoluene	9-Mar-09	1	0.91	0.86	0.90	0.80	0.82	0.88	0.84	0.86	85.92	0.04	0.12	8.17
Methylene chloride	9-Mar-09	1	1.29	1.22	1.31	1.28	1.25	1.31	1.25	1.27	127.30	0.03	0.10	9.55
Methyl Tert Butyl Ether	9-Mar-09	1	1.00	0.94	1.00	1.00	0.96	1.01	0.97	0.98	98.18	0.03	0.08	12.53
4-Methyl-2-pentanone	27-Jan-09	1.5	0.81	0.66	0.73	1.04	0.76	0.81	0.35	0.74	49.18	0.21	0.66	2.29
Methacrylonitrile	27-Jan-09	0.5	0.27	0.32	0.51	0.23	0.30	0.11	0.23	0.28	56.58	0.12	0.38	1.30
Methyl methacrylate	27-Jan-09	0.5	0.21	0.26	0.22	0.23	0.21	0.14	0.23	0.21	42.79	0.04	0.11	4.42
Methyl Acrylate	6-Mar-09	0.2	0.16	0.20	0.28	0.28	0.23	0.26	0.28	0.24	120.75	0.05	0.14	1.40
Methyl Acetate	30-Jan-09	1	1.01	1.12	0.84	0.88	0.71	0.64	1.16	0.91	90.87	0.20	0.63	1.59
Methylcyclohexane	30-Jan-09	1	0.97	0.99	0.81	0.93	0.83	0.91	0.93	0.91	91.04	0.07	0.21	4.80
Nitrobenzene	26-Jan-09	10	8.96	8.41	8.04	8.48	6.72	9.36	7.78	8.25	82.50	0.86	2.69	3.71
2-Nitropropane	28-Jan-09	1	0.75	0.72	0.71	0.77	0.77	0.70	0.93	0.77	76.66	0.08	0.24	4.10
Naphthalene	5-Feb-09	1	0.87	0.83	0.83	0.76	0.76	0.82	0.76	0.81	80.63	0.04	0.14	7.33
n-Propylbenzene	9-Mar-09	1	0.95	0.89	0.95	0.84	0.86	0.94	0.89	0.90	90.49	0.04	0.14	7.12
Pentachloroethane	3-Feb-09	0.5	0.32	0.34	0.36	0.30	0.38	0.35	0.39	0.35	69.88	0.03	0.10	4.93
Propionitrile	27-Jan-09	5	1.91	0.68	0.90	0.91	1.11	1.05	0.57	1.02	20.37	0.44	1.38	3.63
Styrene	9-Mar-09	1	0.87	0.83	0.85	0.81	0.80	0.86	0.81	0.83	83.18	0.03	0.09	11.75

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, GCMS1B, GCMS2B, GCMS2E, GCMS3A, GCMS3B
Analyst: Pooled

Matrix: AQ
Quant Factor: 1.00
Study Period: March,2009

			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	MDL	Spike/MDL Ratio
tert-Amyl Methyl Ether	27-Jan-09	0.2	0.19	0.15	0.19	0.18	0.19	0.13	0.15	0.17	84.30	0.02	0.07	2.80
1,1,1,2-Tetrachloroethane	27-Jan-09	0.2	0.13	0.14	0.17	0.13	0.12	0.16	0.17	0.15	73.26	0.02	0.07	3.00
Tetrahydrofuran	29-Jan-09	0.5	0.45	0.20	0.27	0.35	0.33	0.35	0.36	0.33	65.80	0.08	0.25	2.02
1,1,1-Trichloroethane	9-Mar-09	1	1.03	0.96	1.04	0.96	0.96	1.02	0.97	0.99	99.15	0.04	0.12	8.22
1,1,2,2-Tetrachloroethane	9-Mar-09	0.99995	0.93	0.89	0.95	0.94	0.88	0.96	0.90	0.92	92.06	0.03	0.09	10.86
1,1,2-Trichloroethane	3-Feb-09	0.2	0.14	0.12	0.08	0.12	0.10	0.13	0.13	0.12	58.70	0.02	0.07	2.99
1,2,3-Trichlorobenzene	29-Jan-09	0.5	0.26	0.24	0.29	0.25	0.25	0.28	0.26	0.26	52.38	0.02	0.05	9.54
1,2,3-Trichloropropane	29-Jan-09	0.5	0.40	0.29	0.33	0.33	0.27	0.38	0.40	0.34	68.34	0.05	0.16	3.08
1,2,4-Trichlorobenzene	27-Jan-09	0.5	0.35	0.35	0.35	0.33	0.37	0.31	0.35	0.35	69.07	0.02	0.07	7.41
1,2,4-Trimethylbenzene	9-Mar-09	1	0.90	0.87	0.92	0.83	0.86	0.91	0.86	0.88	87.89	0.03	0.10	9.81
1,3,5-Trimethylbenzene	9-Mar-09	1	0.92	0.88	0.92	0.82	0.85	0.92	0.87	0.88	88.17	0.04	0.13	7.87
Tetrachloroethylene	9-Mar-09	1	1.01	0.97	0.98	0.87	0.92	0.97	0.91	0.95	94.58	0.05	0.15	6.63
Toluene	3-Feb-09	0.5	0.37	0.38	0.40	0.39	0.41	0.41	0.41	0.40	79.04	0.01	0.05	11.06
Trichloroethylene	9-Mar-09	1	1.01	0.96	0.99	0.90	0.93	1.01	0.96	0.96	96.49	0.04	0.13	7.82
Trichlorofluoromethane	3-Feb-09	0.5	0.27	0.28	0.30	0.31	0.35	0.35	0.34	0.31	62.79	0.03	0.11	4.73
Tertiary Butyl Alcohol	28-Jan-09	5	5.48	5.01	4.61	5.02	4.69	4.40	5.26	4.93	98.51	0.38	1.20	4.18
Vinyl chloride	29-Jan-09	0.5	0.49	0.46	0.48	0.51	0.45	0.53	0.53	0.49	98.80	0.03	0.10	5.03
Vinyl Acetate	27-Jan-09	0.5	0.42	0.42	0.43	0.42	0.40	0.38	0.44	0.42	83.41	0.02	0.06	8.72
m,p-Xylene	9-Mar-09	2	1.92	1.82	1.90	1.71	1.77	1.90	1.77	1.83	91.34	0.08	0.25	7.95
o-Xylene	30-Jan-09	1	0.74	0.74	0.67	0.72	0.64	0.68	0.70	0.70	69.81	0.04	0.12	8.42

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

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: JA33930
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
V1B1757-MB1	1B40144.D	1	12/05/09	MMC	n/a	n/a	V1B1757

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

JA33930-1, JA33930-2, JA33930-3, JA33930-4, JA33930-5, JA33930-6, JA33930-7, JA33930-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	1.4	ug/l	
78-93-3	2-Butanone	ND	5.0	1.5	ug/l	
71-43-2	Benzene	ND	0.50	0.12	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.099	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.076	ug/l	
75-25-2	Bromoform	ND	0.50	0.078	ug/l	
74-83-9	Bromomethane	ND	0.50	0.16	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.14	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.11	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.052	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.099	ug/l	
75-00-3	Chloroethane	ND	0.50	0.21	ug/l	
67-66-3	Chloroform	ND	0.50	0.058	ug/l	
74-87-3	Chloromethane	ND	0.50	0.19	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.12	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.098	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.067	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.11	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.088	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.075	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.099	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.10	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.12	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.056	ug/l	
74-95-3	Dibromomethane	ND	0.50	0.12	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.29	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.092	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.090	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.082	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.091	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.051	ug/l	

Method Blank Summary

Job Number: JA33930
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
V1B1757-MB1	1B40144.D	1	12/05/09	MMC	n/a	n/a	V1B1757

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

JA33930-1, JA33930-2, JA33930-3, JA33930-4, JA33930-5, JA33930-6, JA33930-7, JA33930-8

CAS No.	Compound	Result	RL	MDL	Units	Q
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.086	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.15	ug/l	
110-54-3	Hexane	ND	0.50	0.21	ug/l	
591-78-6	2-Hexanone	ND	2.0	0.62	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.12	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.080	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	0.66	ug/l	
91-20-3	Naphthalene	ND	0.50	0.14	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.14	ug/l	
100-42-5	Styrene	ND	0.50	0.085	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.067	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.092	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.067	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.052	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.067	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.15	ug/l	
108-88-3	Toluene	ND	0.50	0.045	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.099	ug/l	
	m,p-Xylene	ND	1.0	0.12	ug/l	
95-47-6	o-Xylene	ND	0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries		Limits
2199-69-1	1,2-Dichlorobenzene-d4	103%	78-114%

Method Blank Summary

Job Number: JA33930
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
V1B1757-MB1	1B40144.D	1	12/05/09	MMC	n/a	n/a	V1B1757

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

JA33930-1, JA33930-2, JA33930-3, JA33930-4, JA33930-5, JA33930-6, JA33930-7, JA33930-8

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	104%	77-115%

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

Blank Spike Summary

Job Number: JA33930
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
V1B1757-BS	1B40145.D	1	12/05/09	MMC	n/a	n/a	V1B1757

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

JA33930-1, JA33930-2, JA33930-3, JA33930-4, JA33930-5, JA33930-6, JA33930-7, JA33930-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	20	19.3	97	70-130
78-93-3	2-Butanone	20	18.1	91	70-130
71-43-2	Benzene	5	4.1	82	70-130
108-86-1	Bromobenzene	5	4.8	96	70-130
74-97-5	Bromochloromethane	5	5.0	100	70-130
75-27-4	Bromodichloromethane	5	4.9	98	70-130
75-25-2	Bromoform	5	4.7	94	70-130
74-83-9	Bromomethane	2	1.8	90	70-130
104-51-8	n-Butylbenzene	5	4.5	90	70-130
135-98-8	sec-Butylbenzene	5	4.5	90	70-130
98-06-6	tert-Butylbenzene	5	4.4	88	70-130
75-15-0	Carbon disulfide	5	3.7	74	70-130
108-90-7	Chlorobenzene	5	4.4	88	70-130
75-00-3	Chloroethane	2	1.8	90	70-130
67-66-3	Chloroform	5	4.9	98	70-130
74-87-3	Chloromethane	2	1.7	85	70-130
95-49-8	o-Chlorotoluene	5	4.7	94	70-130
106-43-4	p-Chlorotoluene	5	4.6	92	70-130
56-23-5	Carbon tetrachloride	5	4.9	98	70-130
75-34-3	1,1-Dichloroethane	5	4.5	90	70-130
75-35-4	1,1-Dichloroethylene	5	4.1	82	70-130
563-58-6	1,1-Dichloropropene	5	4.1	82	70-130
96-12-8	1,2-Dibromo-3-chloropropane	5	5.2	104	70-130
106-93-4	1,2-Dibromoethane	5	4.9	98	70-130
107-06-2	1,2-Dichloroethane	5	5.5	110	70-130
78-87-5	1,2-Dichloropropane	5	4.3	86	70-130
142-28-9	1,3-Dichloropropane	5	4.9	98	70-130
594-20-7	2,2-Dichloropropane	5	4.8	96	70-130
124-48-1	Dibromochloromethane	5	4.6	92	70-130
74-95-3	Dibromomethane	5	5.2	104	70-130
75-71-8	Dichlorodifluoromethane	2	1.9	95	70-130
10061-01-5	cis-1,3-Dichloropropene	5	4.5	90	70-130
541-73-1	m-Dichlorobenzene	5	4.9	98	70-130
95-50-1	o-Dichlorobenzene	5	5.0	100	70-130
106-46-7	p-Dichlorobenzene	5	4.9	98	70-130
156-60-5	trans-1,2-Dichloroethylene	5	4.3	86	70-130

Blank Spike Summary

Job Number: JA33930
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
V1B1757-BS	1B40145.D	1	12/05/09	MMC	n/a	n/a	V1B1757

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

JA33930-1, JA33930-2, JA33930-3, JA33930-4, JA33930-5, JA33930-6, JA33930-7, JA33930-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
156-59-2	cis-1,2-Dichloroethylene	5	4.7	94	70-130
10061-02-6	trans-1,3-Dichloropropene	5	4.8	96	70-130
100-41-4	Ethylbenzene	5	4.2	84	70-130
87-68-3	Hexachlorobutadiene	5	4.9	98	70-130
110-54-3	Hexane	5	4.5	90	70-130
591-78-6	2-Hexanone	20	17.7	89	70-130
98-82-8	Isopropylbenzene	5	3.7	74	70-130
99-87-6	p-Isopropyltoluene	5	4.7	94	70-130
75-09-2	Methylene chloride	5	4.3	86	70-130
1634-04-4	Methyl Tert Butyl Ether	5	4.9	98	70-130
108-10-1	4-Methyl-2-pentanone	20	18.2	91	70-130
91-20-3	Naphthalene	5	5.5	110	70-130
103-65-1	n-Propylbenzene	5	4.4	88	70-130
100-42-5	Styrene	5	4.0	80	70-130
630-20-6	1,1,1,2-Tetrachloroethane	5	4.7	94	70-130
71-55-6	1,1,1-Trichloroethane	5	4.8	96	70-130
79-34-5	1,1,2,2-Tetrachloroethane	5	5.1	102	70-130
79-00-5	1,1,2-Trichloroethane	5	4.9	98	70-130
87-61-6	1,2,3-Trichlorobenzene	5	5.5	110	70-130
96-18-4	1,2,3-Trichloropropane	5	5.8	116	70-130
120-82-1	1,2,4-Trichlorobenzene	5	5.2	104	70-130
95-63-6	1,2,4-Trimethylbenzene	5	4.6	92	70-130
108-67-8	1,3,5-Trimethylbenzene	5	4.5	90	70-130
127-18-4	Tetrachloroethylene	5	4.2	84	70-130
108-88-3	Toluene	5	4.1	82	70-130
79-01-6	Trichloroethylene	5	4.3	86	70-130
75-69-4	Trichlorofluoromethane	2	2.2	110	70-130
75-01-4	Vinyl chloride	2	1.9	95	70-130
	m,p-Xylene	10	8.6	86	70-130
95-47-6	o-Xylene	5	4.5	90	70-130
1330-20-7	Xylenes (total)	15	13.1	87	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
2199-69-1	1,2-Dichlorobenzene-d4	109%	78-114%

Blank Spike Summary

Job Number: JA33930
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
V1B1757-BS	1B40145.D	1	12/05/09	MMC	n/a	n/a	V1B1757

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

JA33930-1, JA33930-2, JA33930-3, JA33930-4, JA33930-5, JA33930-6, JA33930-7, JA33930-8

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	106%	77-115%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA33930
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
JA33930-1MS	1B40151.D	1	12/05/09	MMC	n/a	n/a	V1B1757
JA33930-1MSD	1B40152.D	1	12/05/09	MMC	n/a	n/a	V1B1757
JA33930-1	1B40146.D	1	12/05/09	MMC	n/a	n/a	V1B1757

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

JA33930-1, JA33930-2, JA33930-3, JA33930-4, JA33930-5, JA33930-6, JA33930-7, JA33930-8

CAS No.	Compound	JA33930-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		20	18.3	92	18.1	91	1	41-142/24
78-93-3	2-Butanone	ND		20	19.8	99	18.5	93	7	55-129/31
71-43-2	Benzene	ND		5	4.6	92	4.3	86	7	53-138/16
108-86-1	Bromobenzene	ND		5	4.8	96	4.5	90	6	54-138/17
74-97-5	Bromochloromethane	ND		5	4.7	94	4.5	90	4	55-140/13
75-27-4	Bromodichloromethane	ND		5	5.0	100	4.8	96	4	57-147/11
75-25-2	Bromoform	ND		5	4.1	82	3.9	78	5	47-137/13
74-83-9	Bromomethane	ND		2	1.9	95	1.5	75	24	40-162/27
104-51-8	n-Butylbenzene	ND		5	4.5	90	4.2	84	7	45-144/19
135-98-8	sec-Butylbenzene	ND		5	4.7	94	4.4	88	7	46-145/20
98-06-6	tert-Butylbenzene	ND		5	4.8	96	4.3	86	11	48-141/17
75-15-0	Carbon disulfide	ND		5	3.6	72	3.4	68	6	35-127/32
108-90-7	Chlorobenzene	ND		5	4.7	94	4.5	90	4	54-135/15
75-00-3	Chloroethane	ND		2	1.9	95	1.5	75	24	38-153/43
67-66-3	Chloroform	ND		5	5.3	106	4.9	98	8	57-151/13
74-87-3	Chloromethane	ND		2	2.1	105	1.6	80	27	39-165/35
95-49-8	o-Chlorotoluene	ND		5	4.8	96	4.4	88	9	55-142/15
106-43-4	p-Chlorotoluene	ND		5	4.8	96	4.5	90	6	55-139/20
56-23-5	Carbon tetrachloride	ND		5	5.6	112	5.0	100	11	49-170/24
75-34-3	1,1-Dichloroethane	ND		5	5.0	100	4.5	90	11	55-149/13
75-35-4	1,1-Dichloroethylene	ND		5	4.6	92	4.1	82	11	42-142/20
563-58-6	1,1-Dichloropropene	ND		5	5.0	100	4.5	90	11	46-151/21
96-12-8	1,2-Dibromo-3-chloropropane	ND		5	4.8	96	4.6	92	4	48-141/27
106-93-4	1,2-Dibromoethane	ND		5	4.8	96	4.6	92	4	57-135/10
107-06-2	1,2-Dichloroethane	ND		5	5.6	112	5.3	106	6	59-166/15
78-87-5	1,2-Dichloropropane	ND		5	4.6	92	4.4	88	4	53-142/11
142-28-9	1,3-Dichloropropane	ND		5	4.9	98	4.6	92	6	58-143/13
594-20-7	2,2-Dichloropropane	ND		5	4.1	82	3.7	74	10	38-165/19
124-48-1	Dibromochloromethane	ND		5	4.6	92	4.4	88	4	55-138/15
74-95-3	Dibromomethane	ND		5	5.0	100	5.0	100	0	61-144/10
75-71-8	Dichlorodifluoromethane	ND		2	2.0	100	1.6	80	22	23-172/30
10061-01-5	cis-1,3-Dichloropropene	ND		5	4.1	82	3.9	78	5	51-136/11
541-73-1	m-Dichlorobenzene	ND		5	4.9	98	4.5	90	9	53-138/17
95-50-1	o-Dichlorobenzene	ND		5	4.9	98	4.5	90	9	54-140/11
106-46-7	p-Dichlorobenzene	ND		5	4.8	96	4.5	90	6	53-137/14
156-60-5	trans-1,2-Dichloroethylene	ND		5	4.9	98	4.6	92	6	47-148/22

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA33930
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
JA33930-1MS	1B40151.D	1	12/05/09	MMC	n/a	n/a	V1B1757
JA33930-1MSD	1B40152.D	1	12/05/09	MMC	n/a	n/a	V1B1757
JA33930-1	1B40146.D	1	12/05/09	MMC	n/a	n/a	V1B1757

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

JA33930-1, JA33930-2, JA33930-3, JA33930-4, JA33930-5, JA33930-6, JA33930-7, JA33930-8

CAS No.	Compound	JA33930-1 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	5.3	97	5.0	91	6	51-146/14
10061-02-6	trans-1,3-Dichloropropene	ND		5	4.5	90	4.3	86	5	54-142/10
100-41-4	Ethylbenzene	ND		5	4.7	94	4.4	88	7	51-138/18
87-68-3	Hexachlorobutadiene	ND		5	5.3	106	5.1	102	4	40-154/21
110-54-3	Hexane	ND		5	3.6	72	3.4	68	6	22-142/42
591-78-6	2-Hexanone	ND		20	17.6	88	17.4	87	1	53-128/29
98-82-8	Isopropylbenzene	ND		5	4.6	92	4.3	86	7	49-139/16
99-87-6	p-Isopropyltoluene	ND		5	4.6	92	4.3	86	7	45-141/17
75-09-2	Methylene chloride	ND		5	4.4	88	4.2	84	5	54-137/14
1634-04-4	Methyl Tert Butyl Ether	0.11	J	5	4.8	94	4.6	90	4	53-143/10
108-10-1	4-Methyl-2-pentanone	ND		20	18.0	90	17.8	89	1	58-127/32
91-20-3	Naphthalene	ND		5	4.7	94	4.6	92	2	44-140/14
103-65-1	n-Propylbenzene	ND		5	4.7	94	4.4	88	7	50-142/20
100-42-5	Styrene	ND		5	3.8	76	3.7	74	3	23-130/20
630-20-6	1,1,1,2-Tetrachloroethane	ND		5	4.8	96	4.7	94	2	57-144/11
71-55-6	1,1,1-Trichloroethane	ND		5	5.5	110	5.1	102	8	52-164/13
79-34-5	1,1,2,2-Tetrachloroethane	ND		5	4.8	96	4.6	92	4	58-138/10
79-00-5	1,1,2-Trichloroethane	ND		5	4.7	94	4.5	90	4	59-139/11
87-61-6	1,2,3-Trichlorobenzene	ND		5	5.2	104	4.9	98	6	47-141/17
96-18-4	1,2,3-Trichloropropane	ND		5	5.0	100	5.0	100	0	56-148/15
120-82-1	1,2,4-Trichlorobenzene	ND		5	4.8	96	4.5	90	6	46-137/17
95-63-6	1,2,4-Trimethylbenzene	ND		5	4.5	90	4.3	86	5	41-138/16
108-67-8	1,3,5-Trimethylbenzene	ND		5	4.7	94	4.3	86	9	45-138/16
127-18-4	Tetrachloroethylene	23.0		5	29.2	124	27.4	88	6	45-145/19
108-88-3	Toluene	ND		5	4.6	92	4.3	86	7	52-134/19
79-01-6	Trichloroethylene	0.66		5	5.6	99	5.4	95	4	54-143/15
75-69-4	Trichlorofluoromethane	ND		2	2.4	120	1.8	90	29* [a]	36-167/28
75-01-4	Vinyl chloride	ND		2	2.0	100	1.6	80	22	35-162/30
	m,p-Xylene	ND		10	9.2	92	8.7	87	6	49-135/18
95-47-6	o-Xylene	ND		5	4.5	90	4.2	84	7	49-134/19
1330-20-7	Xylenes (total)	ND		15	13.7	91	12.9	86	6	50-134/18

CAS No.	Surrogate Recoveries	MS	MSD	JA33930-1	Limits
2199-69-1	1,2-Dichlorobenzene-d4	108%	110%	100%	78-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA33930
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
JA33930-1MS	1B40151.D	1	12/05/09	MMC	n/a	n/a	V1B1757
JA33930-1MSD	1B40152.D	1	12/05/09	MMC	n/a	n/a	V1B1757
JA33930-1	1B40146.D	1	12/05/09	MMC	n/a	n/a	V1B1757

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

JA33930-1, JA33930-2, JA33930-3, JA33930-4, JA33930-5, JA33930-6, JA33930-7, JA33930-8

CAS No.	Surrogate Recoveries	MS	MSD	JA33930-1	Limits
460-00-4	4-Bromofluorobenzene	108%	109%	103%	77-115%

(a) Outside control limits due to matrix interference.

Instrument Performance Check (BFB)

Job Number: JA33930
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample: V1B1749-BFB
Lab File ID: 1B39990.D
Instrument ID: GCMS1B
Injection Date: 12/01/09
Injection Time: 08:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	2917	18.9		Pass
75	30.0 - 80.0% of mass 95	7564	48.9		Pass
95	Base peak, 100% relative abundance	15472	100.0		Pass
96	5.0 - 9.0% of mass 95	1031	6.7		Pass
173	Less than 2.0% of mass 174	41	0.26	(0.28) [a]	Pass
174	50.0 - 120.0% of mass 95	14393	93.0		Pass
175	5.0 - 9.0% of mass 174	1040	6.7	(7.2) [a]	Pass
176	95.01 - 101.0% of mass 174	13764	89.0	(95.6) [a]	Pass
177	5.0 - 9.0% of mass 176	897	5.8	(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
V1B1749-IC1749	1B39991.D	12/01/09	09:35	00:37	Initial cal 0.5
V1B1749-IC1749	1B39992.D	12/01/09	10:12	01:14	Initial cal 1
V1B1749-IC1749	1B39993.D	12/01/09	10:48	01:50	Initial cal 2
V1B1749-ICC1749	1B39994.D	12/01/09	11:24	02:26	Initial cal 5
V1B1749-IC1749	1B39995.D	12/01/09	12:00	03:02	Initial cal 10
V1B1749-IC1749	1B39996.D	12/01/09	12:37	03:39	Initial cal 20
V1B1749-IC1749	1B39997.D	12/01/09	13:13	04:15	Initial cal 40
V1B1749-ICV1749	1B39999.D	12/01/09	14:25	05:27	Initial cal verification 10
V1B1750-MB1	1B40000.D	12/01/09	15:02	06:04	Method Blank
V1B1750-BS	1B40001.D	12/01/09	15:38	06:40	Blank Spike
ZZZZZZ	1B40002.D	12/01/09	16:14	07:16	(unrelated sample)
ZZZZZZ	1B40003.D	12/01/09	16:51	07:53	(unrelated sample)
JA33518-2	1B40004.D	12/01/09	17:27	08:29	(used for QC only; not part of job JA33930)
JA33518-3	1B40005.D	12/01/09	18:03	09:05	(used for QC only; not part of job JA33930)
JA33518-2MS	1B40006.D	12/01/09	18:40	09:42	Matrix Spike
JA33518-3DUP	1B40007.D	12/01/09	19:16	10:18	Duplicate
ZZZZZZ	1B40008.D	12/01/09	19:52	10:54	(unrelated sample)
ZZZZZZ	1B40009.D	12/01/09	20:29	11:31	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA33930
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample: V1B1757-BFB
Lab File ID: 1B40142.D
Instrument ID: GCMS1B
Injection Date: 12/05/09
Injection Time: 09:29

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	2120	19.5		Pass
75	30.0 - 80.0% of mass 95	5465	50.4		Pass
95	Base peak, 100% relative abundance	10852	100.0		Pass
96	5.0 - 9.0% of mass 95	824	7.6		Pass
173	Less than 2.0% of mass 174	30	0.28	(0.29) [a]	Pass
174	50.0 - 120.0% of mass 95	10317	95.1		Pass
175	5.0 - 9.0% of mass 174	828	7.6	(8.0) [a]	Pass
176	95.01 - 101.0% of mass 174	10183	93.8	(98.7) [a]	Pass
177	5.0 - 9.0% of mass 176	681	6.3	(6.7) [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
V1B1757-CC1749	1B40143.D	12/05/09	10:16	00:47	Continuing cal 10
V1B1757-MB1	1B40144.D	12/05/09	11:48	02:19	Method Blank
V1B1757-BS	1B40145.D	12/05/09	12:31	03:02	Blank Spike
JA33930-1	1B40146.D	12/05/09	13:10	03:41	RW
JA33930-2	1B40147.D	12/05/09	13:47	04:18	DUP
JA33930-3	1B40148.D	12/05/09	14:24	04:55	DIST
JA33930-4	1B40149.D	12/05/09	15:01	05:32	STEFF
JA33930-5	1B40150.D	12/05/09	15:38	06:09	W4
JA33930-1MS	1B40151.D	12/05/09	16:15	06:46	Matrix Spike
JA33930-1MSD	1B40152.D	12/05/09	16:52	07:23	Matrix Spike Duplicate
JA33930-6	1B40153.D	12/05/09	17:29	08:00	W11
JA33930-7	1B40154.D	12/05/09	18:06	08:37	FB
JA33930-8	1B40155.D	12/05/09	18:43	09:14	TB
ZZZZZZ	1B40156.D	12/05/09	19:47	10:18	(unrelated sample)
ZZZZZZ	1B40157.D	12/05/09	20:24	10:55	(unrelated sample)
ZZZZZZ	1B40158.D	12/05/09	21:00	11:31	(unrelated sample)

Volatile Internal Standard/Surrogate Area Summary

Job Number: JA33930
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Check Std:	V1B1757-CC1749	**Injection Date:**	12/05/09
Lab File ID:	1B40143.D	**Injection Time:**	10:16
Instrument ID:	GCMS1B	**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]	20786	7.95	67705	11.39	30149	17.81	25740	16.12
Previous Check [b]	19063	7.93	57509	11.37	28828	17.80	24030	16.11
Check Std [c]	18006	7.94	56494	11.38	28682	17.81	23611	16.12
Upper Limit [d]	36012	8.44	112988	11.88	57364	18.31	47222	16.62
Lower Limit [e]	9003	7.44	28247	10.88	14341	17.31	11806	15.62

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	Surr 3 AREA	RT	Surr 4 AREA	RT
V1B1757-MB1	18369	7.95	55182	11.38	25836	17.81	21814	16.12
V1B1757-BS	18721	7.96	56914	11.39	28232	17.81	23100	16.12
JA33930-1	18656	7.94	59650	11.39	27087	17.81	23355	16.12
JA33930-2	18860	7.95	58014	11.39	26506	17.81	22223	16.13
JA33930-3	16493	7.96	56428	11.39	25143	17.81	21836	16.13
JA33930-4	16948	7.96	54914	11.39	25441	17.81	21337	16.13
JA33930-5	17494	7.96	55242	11.39	25667	17.81	21295	16.13
JA33930-1MS	16673	7.95	54985	11.39	26815	17.81	22744	16.13
JA33930-1MSD	17508	7.94	57476	11.39	28594	17.81	23871	16.12
JA33930-6	18102	7.95	58108	11.39	26344	17.81	22931	16.13
JA33930-7	16821	7.94	55618	11.39	25014	17.81	21219	16.13
JA33930-8	17599	7.95	55325	11.39	25576	17.81	21647	16.13
ZZZZZZ	16693	7.96	58165	11.39	27149	17.81	22966	16.13
ZZZZZZ	16994	7.97	58678	11.39	27788	17.81	23272	16.13
ZZZZZZ	17631	7.96	58794	11.39	26026	17.81	22867	16.12

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

(a) Initial Cal is: V1B1749-ICC1749 1B39994.D 12/01/09 11:24
(b) Previous Check is: V1B1756-CC1749 1B40124.D 12/04/09 21:58
(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: JA33930
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
JA33930-1	1B40146.D	100.0	103.0
JA33930-2	1B40147.D	101.0	100.0
JA33930-3	1B40148.D	98.0	101.0
JA33930-4	1B40149.D	102.0	102.0
JA33930-5	1B40150.D	103.0	101.0
JA33930-6	1B40153.D	100.0	103.0
JA33930-7	1B40154.D	99.0	100.0
JA33930-8	1B40155.D	102.0	103.0
JA33930-1MS	1B40151.D	108.0	108.0
JA33930-1MSD	1B40152.D	110.0	109.0
V1B1757-BS	1B40145.D	109.0	106.0
V1B1757-MB1	1B40144.D	103.0	104.0

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichlorobenzene-d4	78-114%
S2 = 4-Bromofluorobenzene	77-115%

Initial Calibration Summary

Job Number: JA33930 **Sample:** V1B1749-ICC1749
Account: EPMNYLS Environmental Planning and Management **Lab FileID:** 1B39994.D
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Response Factor Report MS1B

Method : C:\msdchem\1\METHODS\M1B1749.M (RTE Integrator)
Title : method 524, zb624 60mx0.25mmx1.4um
Last Update : Mon Aug 10 17:50:40 2009
Response via : Initial Calibration

Calibration Files
5 =1b39994.D 10 =1b39995.D 1 =1b39992.D 20 =1b39996.D
40 =1b39997.D 2 =1b39993.D 0.5 =1b39991.D =

Compound	5	10	1	20	40	2	0.5	Avg	%RSD
1) I Tert Butyl Alcohol-d9	----------ISTD----------								
2) TERTIARY BUT	1.124	1.019	1.174	1.165	1.139	1.056	1.113	1.113	5.11
3) I FLUOROBENZENE	----------ISTD----------								
4) 4-BROMOFLUOR	0.380	0.389	0.382	0.390	0.384	0.373	0.374	0.382	1.72
5) 1,2-DICHLORO	0.445	0.454	0.452	0.457	0.464	0.443	0.456	0.453	1.56
6) DICHLORODIFL	0.414	0.406	0.387	0.426	0.419	0.407	0.334	0.399	7.84
7) CHLOROMETHAN	0.367	0.353	0.404	0.371	0.368	0.385	0.423	0.382	6.35
8) VINYL CHLORI	0.333	0.333	0.332	0.355	0.356	0.334	0.325	0.338	3.59
9) BROMOMETHANE	0.230	0.230	0.243	0.243	0.247	0.237	0.294	0.246	8.91
10) CHLOROETHANE	0.166	0.169	0.187	0.177	0.176	0.170	0.166	0.173	4.37
11) TRICHLOROFLU	0.460	0.448	0.431	0.488	0.483	0.449	0.399	0.451	6.80
12) ETHYL ETHER	0.161	0.160	0.171	0.167	0.165	0.162	0.163	0.164	2.23
13) ACROLEIN	0.046	0.048	0.043	0.050	0.051	0.047		0.048	5.92
14) 1,1-DICHLORO	0.224	0.216	0.239	0.223	0.222	0.206	0.219	0.221	4.49
15) FREON 113	0.207	0.196	0.183	0.220	0.217	0.197	0.142	0.194	13.56
16) ACETONE	0.027	0.024	0.022	0.027	0.027	0.025	0.018	0.024	13.62
17) IODOMETHANE	0.484	0.473	0.488	0.491	0.489	0.448	0.488	0.480	3.16
18) CARBON DISUL	0.824	0.813	0.858	0.843	0.838	0.805	0.792	0.825	2.81
19) METHYL ACETA	0.047	0.042	0.022	0.051	0.052	0.041		0.043	26.41
20) ALLYL CHLORI	0.151	0.141	0.136	0.143	0.145	0.144	0.137	0.142	3.65
21) METHYLENE CH	0.281	0.276	0.325	0.279	0.276	0.278	0.363	0.297	11.48
22) ACRYLONITRIL	0.117	0.115	0.111	0.120	0.119	0.108	0.106	0.114	4.84
23) METHYL TERT	0.835	0.827	0.865	0.869	0.846	0.797	0.902	0.849	3.98
24) trans-1,2-DI	0.378	0.366	0.376	0.382	0.375	0.360	0.351	0.370	3.01
25) HEXANE	0.329	0.309	0.306	0.342	0.343	0.332	0.245	0.315	10.86
26) 1,1-DICHLORO	0.467	0.451	0.489	0.469	0.461	0.440	0.476	0.465	3.45
27) DI-ISOPROPYL	0.811	0.783	0.799	0.864	0.863	0.824	0.756	0.814	4.89
28) ETHYL TERT-B	0.820	0.797	0.812	0.886	0.885	0.830	0.753	0.826	5.74
29) 2-BUTANONE	0.037	0.034	0.031	0.037	0.037	0.034	0.026	0.034	12.08
30) 2,2-DICHLORO	0.426	0.410	0.462	0.428	0.410	0.404	0.458	0.428	5.43
31) cis-1,2-DICH	0.476	0.466	0.490	0.482	0.475	0.436	0.455	0.468	3.87
32) PROPIONITRIL	0.046	0.046	0.044	0.047	0.048	0.042	0.045	0.045	4.58
33) METHYLACRYLA	0.283	0.269	0.245	0.288	0.285	0.221	0.266	0.265	9.27
34) METHACRYLONI	0.205	0.195	0.203	0.201	0.197	0.196	0.210	0.201	2.75
35) BROMOCHLOROM	0.160	0.158	0.153	0.163	0.161	0.148	0.145	0.155	4.45
36) CHLOROFORM	0.505	0.495	0.500	0.512	0.503	0.465	0.502	0.497	3.07
37) TETRAHYDROFU	0.116	0.111	0.117	0.114	0.111	0.109		0.113	2.75
38) 1,1,1-TRICHL	0.458	0.438	0.459	0.459	0.448	0.426	0.413	0.443	4.10
39) CYCLOHEXANE	0.382	0.361	0.364	0.378	0.377	0.351	0.312	0.361	6.67
40) 1-CHLOROBUTA	0.945	0.924	0.932	0.950	0.947	0.886	0.847	0.919	4.18
41) 1,1-DICHLORO	0.371	0.355	0.378	0.369	0.369	0.356	0.340	0.363	3.61
42) CARBON TETRA	0.415	0.401	0.409	0.422	0.415	0.381	0.360	0.400	5.52
43) 1,2-DICHLORO	0.415	0.411	0.408	0.420	0.410	0.384	0.389	0.405	3.34
44) BENZENE	1.033	1.003	1.085	1.047	1.046	0.962	1.073	1.036	4.07
45) TERT AMYL ME	0.830	0.798	0.843	0.886	0.882	0.835	0.819	0.842	3.82

Initial Calibration Summary

Job Number: JA33930 **Sample:** V1B1749-ICC1749
Account: EPMNYLS Environmental Planning and Management **Lab FileID:** 1B39994.D
Project: Katonah Q4, Katonah Pump House, Bedford, NY

46)	TRICHLOROETH	0.287	0.279	0.290	0.293	0.290	0.266	0.282	0.284	3.18
47)	METHYLCYCLOH	0.443	0.423	0.387	0.465	0.469	0.441	0.346	0.425	10.45
48)	METHYL METHA	0.300	0.296	0.271	0.316	0.320	0.278	0.244	0.289	9.28
49)	1,2-DICHLORO	0.270	0.267	0.264	0.274	0.275	0.262	0.250	0.266	3.18
50)	DIBROMOMETHA	0.204	0.201	0.195	0.205	0.204	0.185	0.199	0.199	3.54
51)	BROMODICHLOR	0.380	0.383	0.384	0.401	0.398	0.360	0.357	0.380	4.42
52)	CHLOROACETON	0.017	0.020	0.014	0.019	0.021	0.016	0.011	0.017	19.81
53)	2-NITROPROPA	0.093	0.089	0.086	0.091	0.090	0.088	0.118	0.094	11.86
54)	2-CHLOROETHY	0.197	0.189	0.188	0.211	0.214	0.187	0.167	0.193	8.23
55)	cis-1,3-DICH	0.453	0.448	0.474	0.464	0.471	0.425	0.436	0.453	4.00
56)	4-METHYL-2-P	0.128	0.126	0.114	0.135	0.131	0.122	0.126	0.126	5.11
57)	1,1-DICHLORO	0.120	0.112	0.120	0.114	0.126	0.107	0.116	0.116	5.37
58)	TOLUENE	0.665	0.639	0.682	0.666	0.678	0.608	0.639	0.654	4.07
59)	trans-1,3-DI	0.450	0.451	0.432	0.467	0.469	0.421	0.412	0.443	5.00
60)	ETHYL METHAC	0.367	0.371	0.358	0.396	0.402	0.336	0.365	0.371	6.08
61)	1,1,2-TRICHL	0.224	0.227	0.230	0.235	0.238	0.221	0.222	0.228	2.99
62)	1,3-DICHLORO	0.436	0.424	0.438	0.442	0.439	0.411	0.445	0.434	2.77
63)	2-HEXANONE	0.129	0.124	0.114	0.133	0.129	0.120	0.123	0.124	5.13
64)	TETRACHLOROE	0.337	0.320	0.332	0.339	0.336	0.320	0.330	0.331	2.35
65)	DIBROMOCHLOR	0.329	0.331	0.310	0.351	0.357	0.315	0.311	0.329	5.74
66)	1,2-DIBROMOE	0.301	0.301	0.299	0.317	0.317	0.294	0.311	0.306	3.03
67)	CHLOROBENZEN	0.759	0.744	0.765	0.789	0.796	0.728	0.751	0.762	3.17
68)	1,1,1,2-TETR	0.301	0.299	0.302	0.317	0.316	0.287	0.333	0.308	4.89
69)	ETHYLBENZENE	1.298	1.263	1.299	1.331	1.333	1.221	1.257	1.286	3.18
70)	m,p-XYLENE	0.506	0.490	0.504	0.517	0.527	0.482	0.493	0.503	3.13
71)	o-XYLENE	0.504	0.490	0.495	0.522	0.519	0.479	0.492	0.500	3.13
72)	STYRENE	0.824	0.825	0.810	0.869	0.890	0.749	0.793	0.823	5.68
73)	BROMOFORM	0.244	0.247	0.232	0.269	0.279	0.225	0.248	0.249	7.73
74)	ISOPROPYLBEN	1.318	1.292	1.310	1.363	1.356	1.246	1.331	1.317	3.03
75)	BROMOBENZENE	0.376	0.368	0.371	0.389	0.391	0.356	0.384	0.376	3.35
76)	1,1,2,2-TETR	0.414	0.407	0.402	0.421	0.415	0.397	0.449	0.415	4.12
77)	TRANS-1,4-DI	0.115	0.111	0.098	0.119	0.118	0.106	0.129	0.114	8.67
78)	1,2,3-TRICHL	0.109	0.105	0.105	0.111	0.109	0.104	0.112	0.108	2.81
79)	n-PROPYLBENZ	1.570	1.517	1.562	1.604	1.596	1.453	1.580	1.554	3.41
80)	O-CHLOROTOLU	0.331	0.322	0.333	0.339	0.336	0.315	0.342	0.331	2.93
81)	1,3,5-TRIMET	1.115	1.081	1.096	1.166	1.152	1.057	1.122	1.113	3.46
82)	P-CHLOROTOLU	0.999	0.968	1.007	1.008	1.005	0.934	1.014	0.991	2.93
83)	tert-BUTYLBE	0.997	0.979	0.976	1.039	1.040	0.929	1.013	0.996	3.94
84)	1,2,4-TRIMET	1.172	1.130	1.112	1.191	1.183	1.079	1.199	1.152	3.95
85)	PENTACHLOROE	0.233	0.231	0.217	0.251	0.253	0.219	0.243	0.235	6.12
86)	sec-BUTYLBEN	1.485	1.450	1.475	1.541	1.522	1.378	1.484	1.476	3.58
87)	p-ISOPROPYLT	1.240	1.219	1.224	1.295	1.268	1.171	1.240	1.237	3.16
88)	M-DICHLOROBE	0.704	0.689	0.723	0.729	0.726	0.683	0.777	0.719	4.39
89)	P-DICHLOROBE	0.729	0.712	0.719	0.752	0.746	0.697	0.811	0.738	5.06
90)	n-BUTYLBENZE	0.653	0.636	0.655	0.672	0.668	0.608	0.658	0.650	3.37
91)	O-DICHLOROBE	0.706	0.690	0.710	0.726	0.719	0.672	0.800	0.718	5.65
92)	HEXACHLOROET	0.229	0.223	0.219	0.244	0.244	0.215	0.225	0.228	5.00
93)	1,2-DIBROMO-	0.081	0.080	0.073	0.084	0.083	0.076	0.080	0.080	4.89
94)	NITROBENZENE	0.016	0.020	0.015			0.015	0.014	0.016	15.29
95)	1,2,4-TRICHL	0.584	0.588	0.583	0.634	0.603	0.560	0.623	0.597	4.26
96)	HEXACHLOROBU	0.340	0.324	0.320	0.352	0.330	0.305	0.323	0.328	4.53
97)	NAPHTHALENE	1.449	1.427	1.353	1.536	1.409	1.316	1.511	1.429	5.54
98)	1,2,3-TRICHL	0.574	0.558	0.546	0.599	0.521	0.541	0.580	0.560	4.69

(#) = Out of Range ### Number of calibration levels exceeded format ###

M1B1749.M Wed Dec 02 07:28:25 2009 VOA-CLN-02

Initial Calibration Verification

Job Number: JA33930 **Sample:** V1B1749-ICV1749
Account: EPMNYLS Environmental Planning and Management **Lab FileID:** 1B39999.D
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1B-CORE\1b39999.d Vial: 10
Acq On : 1 Dec 2009 2:25 pm Operator: mei
Sample : icv1749-10 Inst : MS1B
Misc : MS89300,V1B1749,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M1B1749.M (RTE Integrator)
Title : method 524, zb624 60mx0.25mmx1.4um
Last Update : Mon Aug 10 17:50:40 2009
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	104	-0.01	7.94
2	M	TERTIARY BUTYL ALCOHOL	1.113	1.010	9.3	103	-0.02	8.08
3	I	FLUOROBENZENE	1.000	1.000	0.0	107	0.00	11.38
4	S	4-BROMOFLUOROBENZENE (S)	0.382	0.372	2.6	102	0.00	16.12
5	S	1,2-DICHLOROBENZENE-d4 (S	0.453	0.449	0.9	105	0.00	17.81
6	M	DICHLORODIFLUOROMETHANE	0.399	0.332	16.8	87	-0.01	4.07
7	M	CHLOROMETHANE	0.382	0.332	13.1	100	0.00	4.44
8	M	VINYL CHLORIDE	0.338	0.313	7.4	100	-0.02	4.71
9	M	BROMOMETHANE	0.246	0.230	6.5	107	0.00	5.48
10	M	CHLOROETHANE	0.173	0.162	6.4	103	0.00	5.69
11	M	TRICHLOROFLUOROMETHANE	0.451	0.424	6.0	101	0.00	6.24
12	M	ETHYL ETHER	0.164	0.167	-1.8	112	0.00	6.72
13	M	ACROLEIN	0.048	0.050	-4.2	110	0.00	6.95
14	M	1,1-DICHLOROETHYLENE	0.221	0.236	-6.8	117	0.00	7.21
15	M	FREON 113	0.194	0.197	-1.5	107	0.00	7.20
16	M	ACETONE	0.024	0.024	0.0	106	0.01	7.22
17	M	IODOMETHANE	0.480	0.492	-2.5	111	0.00	7.49
18	M	CARBON DISULFIDE	0.825	0.792	4.0	104	0.00	7.67
19	M	METHYL ACETATE	0.043	0.045	-4.7	114	0.00	7.78
20	M	ALLYL CHLORIDE	0.142	0.144	-1.4	109	0.00	7.80
21	M	METHYLENE CHLORIDE	0.297	0.281	5.4	109	0.00	8.01
22	M	ACRYLONITRILE	0.114	0.111	2.6	103	0.00	8.33
23	M	METHYL TERT BUTYL ETHER	0.849	0.843	0.7	109	0.00	8.43
24	M	trans-1,2-DICHLOROETHYLEN	0.370	0.366	1.1	107	0.00	8.47
25	M	HEXANE	0.315	0.301	4.4	104	0.00	8.86
26	M	1,1-DICHLOROETHANE	0.465	0.468	-0.6	111	0.00	9.09
27	M	DI-ISOPROPYL ETHER	0.814	0.781	4.1	106	0.00	9.12
28	M	ETHYL TERT-BUTYL ETHER	0.826	0.796	3.6	107	0.00	9.63
29	M	2-BUTANONE	0.034	0.034	0.0	106	0.00	9.84
30	M	2,2-DICHLOROPROPANE	0.428	0.407	4.9	106	0.00	9.92
31	M	cis-1,2-DICHLOROETHYLENE	0.468	0.481	-2.8	110	0.00	9.91
32	M	PROPIONITRILE	0.045	0.045	0.0	106	0.00	9.91
33	M	METHYLACRYLATE	0.265	0.282	-6.4	112	0.00	9.98
34	M	METHACRYLONITRILE	0.201	0.199	1.0	109	0.00	10.14
35	M	BROMOCHLOROMETHANE	0.155	0.160	-3.2	108	0.00	10.24
36	M	CHLOROFORM	0.497	0.512	-3.0	110	0.00	10.31
37	M	TETRAHYDROFURAN	0.113	0.114	-0.9	110	0.00	10.30
38	M	1,1,1-TRICHLOROETHANE	0.443	0.449	-1.4	109	0.00	10.61
39	M	CYCLOHEXANE	0.361	0.342	5.3	101	0.00	10.72
40	M	1-CHLOROBUTANE	0.919	0.874	4.9	101	0.00	10.71
41	M	1,1-DICHLOROPROPENE	0.363	0.361	0.6	109	0.00	10.81

Initial Calibration Verification

Job Number: JA33930 **Sample:** V1B1749-ICV1749
Account: EPMNYLS Environmental Planning and Management **Lab FileID:** 1B39999.D
Project: Katonah Q4, Katonah Pump House, Bedford, NY

42	M	CARBON TETRACHLORIDE	0.400	0.406	-1.5	108	0.00	10.85
43	M	1,2-DICHLOROETHANE	0.405	0.406	-0.2	105	0.00	11.06
44	M	BENZENE	1.036	1.016	1.9	108	0.00	11.08
45	M	TERT AMYL METHYL ETHER	0.842	0.802	4.8	107	0.00	11.14
46	M	TRICHLOROETHYLENE	0.284	0.288	-1.4	110	0.00	11.85
47	M	METHYLCYCLOHEXANE	0.425	0.415	2.4	105	0.00	12.11
48	M	METHYL METHACRYLATE	0.289	0.300	-3.8	108	0.00	12.11
49	M	1,2-DICHLOROPROPANE	0.266	0.274	-3.0	109	0.00	12.10
50	M	DIBROMOMETHANE	0.199	0.209	-5.0	111	0.00	12.27
51	M	BROMODICHLOROMETHANE	0.380	0.403	-6.1	112	0.00	12.41
52	M	CHLOROACETONITRILE	0.017	0.020	-17.6	107	0.00	12.56
53	M	2-NITROPROPANE	0.094	0.095	-1.1	114	0.00	12.60
54	M	2-CHLOROETHYL VINYL ETHER	0.193	0.187	3.1	105	0.00	12.66
55	M	cis-1,3-DICHLOROPROPENE	0.453	0.477	-5.3	114	0.00	12.90
56	M	4-METHYL-2-PENTANONE	0.126	0.123	2.4	104	0.00	12.99
57	M	1,1-DICHLOROPROPANONE	0.116	0.121	-4.3	116	0.00	13.10
58	M	TOLUENE	0.654	0.651	0.5	109	0.00	13.32
59	M	trans-1,3-DICHLOROPROPENE	0.443	0.468	-5.6	111	0.00	13.50
60	M	ETHYL METHACRYLATE	0.371	0.405	-9.2	117	0.00	13.51
61	M	1,1,2-TRICHLOROETHANE	0.228	0.246	-7.9	116	0.00	13.73
62	M	1,3-DICHLOROPROPANE	0.434	0.452	-4.1	114	0.00	13.93
63	M	2-HEXANONE	0.124	0.122	1.6	105	0.00	13.91
64	M	TETRACHLOROETHYLENE	0.331	0.333	-0.6	111	0.00	13.97
65	M	DIBROMOCHLOROMETHANE	0.329	0.344	-4.6	111	0.00	14.23
66	M	1,2-DIBROMOETHANE	0.306	0.321	-4.9	114	0.00	14.39
67	M	CHLOROBENZENE	0.762	0.783	-2.8	112	0.00	14.91
68	M	1,1,1,2-TETRACHLOROETHANE	0.308	0.319	-3.6	114	0.00	14.97
69	M	ETHYLBENZENE	1.286	1.276	0.8	108	0.00	14.97
70	M	m,p-XYLENE	0.503	0.508	-1.0	110	0.00	15.09
71	M	o-XYLENE	0.500	0.527	-5.4	115	0.00	15.54
72	M	STYRENE	0.823	0.842	-2.3	109	0.00	15.54
73	M	BROMOFORM	0.249	0.269	-8.0	116	0.00	15.82
74	M	ISOPROPYLBENZENE	1.317	1.143	13.2	94	0.00	15.91
75	M	BROMOBENZENE	0.376	0.388	-3.2	113	0.00	16.34
76	M	1,1,2,2-TETRACHLOROETHANE	0.415	0.433	-4.3	114	0.00	16.21
77	M	TRANS-1,4-DICHLORO-2-BUTE	0.114	0.122	-7.0	117	0.00	16.25
78	M	1,2,3-TRICHLOROPROPANE	0.108	0.128	-18.5	130	0.00	16.29
79	M	n-PROPYLBENZENE	1.554	1.549	0.3	109	0.00	16.35
80	M	O-CHLOROTOLUENE	0.331	0.341	-3.0	113	0.00	16.51
81	M	1,3,5-TRIMETHYLBENZENE	1.113	1.121	-0.7	111	0.00	16.51
82	M	P-CHLOROTOLUENE	0.991	0.987	0.4	109	0.00	16.61
83	M	tert-BUTYLBENZENE	0.996	1.018	-2.2	111	0.00	16.89
84	M	1,2,4-TRIMETHYLBENZENE	1.152	1.148	0.3	109	0.00	16.94
85	M	PENTACHLOROETHANE	0.235	0.253	-7.7	117	0.00	16.97
86	M	sec-BUTYLBENZENE	1.476	1.489	-0.9	110	0.00	17.12
87	M	p-ISOPROPYLTOLUENE	1.237	1.265	-2.3	111	0.00	17.25
88	M	M-DICHLOROBENZENE	0.719	0.734	-2.1	114	0.00	17.32
89	M	P-DICHLOROBENZENE	0.738	0.750	-1.6	112	0.00	17.41
90	M	n-BUTYLBENZENE	0.650	0.651	-0.2	109	0.00	17.69
91	M	O-DICHLOROBENZENE	0.718	0.727	-1.3	113	0.00	17.83
92	M	HEXACHLOROETHANE	0.228	0.246	-7.9	117	0.00	18.14
93	M	1,2-DIBROMO-3-CHLOROPROPA	0.080	0.086	-7.5	115	0.00	18.63
94	M	NITROBENZENE	0.016	0.019	-18.7	102	0.00	18.84
95	M	1,2,4-TRICHLOROBENZENE	0.597	0.605	-1.3	110	0.00	19.52
96	M	HEXACHLOROBUTADIENE	0.328	0.326	0.6	107	0.00	19.66
97	M	NAPHTHALENE	1.429	1.505	-5.3	113	0.00	19.82
98	M	1,2,3-TRICHLOROBENZENE	0.560	0.584	-4.3	112	0.00	20.09

Initial Calibration Verification

Job Number: JA33930
Account: EPMNYLS Environmental Planning and Management
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Sample: V1B1749-ICV1749
Lab FileID: 1B39999.D

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 1b39995.D  M1B1749.M        Wed Dec 02 07:27:53 2009   VOA-CLN-02
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Continuing Calibration Summary

Job Number: JA33930 **Sample:** V1B1757-CC1749
Account: EPMNYLS Environmental Planning and Management **Lab FileID:** 1B40143.D
Project: Katonah Q4, Katonah Pump House, Bedford, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1B-CORE\1b40143.d Vial: 2
Acq On : 5 Dec 2009 10:16 am Operator: mei
Sample : cc1749-10 Inst : MS1B
Misc : MS89711,V1B1757,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M1B1749.M (RTE Integrator)
Title : method 524, zb624 60mx0.25mmx1.4um
Last Update : Mon Aug 10 17:50:40 2009
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	82	-0.02	7.94
2	M	TERTIARY BUTYL ALCOHOL	1.113	1.191	-7.0	96	-0.02	8.08
3	I	FLUOROBENZENE	1.000	1.000	0.0	84	-0.01	11.38
4	S	4-BROMOFLUOROBENZENE (S)	0.382	0.418	-9.4	90	0.00	16.12
5	S	1,2-DICHLOROBENZENE-d4 (S	0.453	0.508	-12.1	94	0.00	17.81
6	M	DICHLORODIFLUOROMETHANE	0.399	0.503	-26.1	104	-0.02	4.07
7	M	CHLOROMETHANE	0.382	0.358	6.3	85	-0.02	4.43
8	M	VINYL CHLORIDE	0.338	0.344	-1.8	87	-0.02	4.71
9	M	BROMOMETHANE	0.246	0.255	-3.7	93	-0.01	5.46
10	M	CHLOROETHANE	0.173	0.175	-1.2	87	-0.01	5.67
11	M	TRICHLOROFLUOROMETHANE	0.451	0.578	-28.2	109	0.00	6.23
12	M	ETHYL ETHER	0.164	0.153	6.7	80	0.00	6.72
13	M	ACROLEIN	0.048	0.046	4.2	81	0.00	6.94
14	M	1,1-DICHLOROETHYLENE	0.221	0.218	1.4	85	-0.01	7.20
15	M	FREON 113	0.194	0.239	-23.2	102	-0.02	7.18
16	M	ACETONE	0.024	0.026	-8.3	90	-0.01	7.20
17	M	IODOMETHANE	0.480	0.483	-0.6	86	0.00	7.49
18	M	CARBON DISULFIDE	0.825	0.822	0.4	85	-0.02	7.66
19	M	METHYL ACETATE	0.043	0.050	-16.3	100	0.00	7.77
20	M	ALLYL CHLORIDE	0.142	0.143	-0.7	86	-0.01	7.79
21	M	METHYLENE CHLORIDE	0.297	0.273	8.1	84	-0.01	8.00
22	M	ACRYLONITRILE	0.114	0.113	0.9	82	0.00	8.32
23	M	METHYL TERT BUTYL ETHER	0.849	0.857	-0.9	87	-0.01	8.42
24	M	trans-1,2-DICHLOROETHYLEN	0.370	0.379	-2.4	87	-0.01	8.46
25	M	HEXANE	0.315	0.331	-5.1	90	-0.01	8.86
26	M	1,1-DICHLOROETHANE	0.465	0.470	-1.1	88	-0.01	9.08
27	M	DI-ISOPROPYL ETHER	0.814	0.799	1.8	86	-0.01	9.11
28	M	ETHYL TERT-BUTYL ETHER	0.826	0.867	-5.0	92	-0.01	9.63
29	M	2-BUTANONE	0.034	0.036	-5.9	88	0.00	9.83
30	M	2,2-DICHLOROPROPANE	0.428	0.485	-13.3	100	-0.01	9.91
31	M	cis-1,2-DICHLOROETHYLENE	0.468	0.483	-3.2	87	-0.01	9.90
32	M	PROPIONITRILE	0.045	0.046	-2.2	84	-0.01	9.90
33	M	METHYLACRYLATE	0.265	0.257	3.0	81	-0.01	9.97
34	M	METHACRYLONITRILE	0.201	0.185	8.0	80	-0.01	10.13
35	M	BROMOCHLOROMETHANE	0.155	0.158	-1.9	84	0.00	10.23
36	M	CHLOROFORM	0.497	0.550	-10.7	94	-0.01	10.30
37	M	TETRAHYDROFURAN	0.113	0.112	0.9	85	0.00	10.29
38	M	1,1,1-TRICHLOROETHANE	0.443	0.515	-16.3	99	0.00	10.60
39	M	CYCLOHEXANE	0.361	0.367	-1.7	86	-0.01	10.71
40	M	1-CHLOROBUTANE	0.919	0.925	-0.7	84	0.00	10.70
41	M	1,1-DICHLOROPROPENE	0.363	0.378	-4.1	90	0.00	10.80

Continuing Calibration Summary

Job Number: JA33930 **Sample:** V1B1757-CC1749
Account: EPMNYLS Environmental Planning and Management **Lab FileID:** 1B40143.D
Project: Katonah Q4, Katonah Pump House, Bedford, NY

42	M	CARBON TETRACHLORIDE	0.400	0.480	-20.0	101	-0.02	10.83
43	M	1,2-DICHLOROETHANE	0.405	0.471	-16.3	97	0.00	11.05
44	M	BENZENE	1.036	1.015	2.0	85	0.00	11.07
45	M	TERT AMYL METHYL ETHER	0.842	0.862	-2.4	91	-0.01	11.13
46	M	TRICHLOROETHYLENE	0.284	0.301	-6.0	91	0.00	11.84
47	M	METHYLCYCLOHEXANE	0.425	0.468	-10.1	93	0.00	12.11
48	M	METHYL METHACRYLATE	0.289	0.285	1.4	81	0.00	12.11
49	M	1,2-DICHLOROPROPANE	0.266	0.261	1.9	82	0.00	12.10
50	M	DIBROMOMETHANE	0.199	0.211	-6.0	88	-0.01	12.25
51	M	BROMODICHLOROMETHANE	0.380	0.407	-7.1	89	0.00	12.40
52	M	CHLOROACETONITRILE	0.017	0.018	-5.9	77	0.00	12.55
53	M	2-NITROPROPANE	0.094	0.098	-4.3	93	0.00	12.60
54	M	2-CHLOROETHYL VINYL ETHER	0.193	0.200	-3.6	89	0.00	12.66
55	M	cis-1,3-DICHLOROPROPENE	0.453	0.451	0.4	85	0.00	12.90
56	M	4-METHYL-2-PENTANONE	0.126	0.131	-4.0	88	0.00	12.99
57	M	1,1-DICHLOROPROPANONE	0.116	0.116	0.0	87	0.00	13.09
58	M	TOLUENE	0.654	0.655	-0.2	86	0.00	13.31
59	M	trans-1,3-DICHLOROPROPENE	0.443	0.463	-4.5	86	0.00	13.50
60	M	ETHYL METHACRYLATE	0.371	0.354	4.6	80	0.00	13.51
61	M	1,1,2-TRICHLOROETHANE	0.228	0.232	-1.8	86	-0.01	13.72
62	M	1,3-DICHLOROPROPANE	0.434	0.445	-2.5	88	0.00	13.93
63	M	2-HEXANONE	0.124	0.127	-2.4	87	0.00	13.91
64	M	TETRACHLOROETHYLENE	0.331	0.344	-3.9	91	0.00	13.97
65	M	DIBROMOCHLOROMETHANE	0.329	0.354	-7.6	90	0.00	14.22
66	M	1,2-DIBROMOETHANE	0.306	0.313	-2.3	88	0.00	14.38
67	M	CHLOROBENZENE	0.762	0.777	-2.0	88	0.00	14.91
68	M	1,1,1,2-TETRACHLOROETHANE	0.308	0.334	-8.4	94	0.00	14.97
69	M	ETHYLBENZENE	1.286	1.330	-3.4	89	0.00	14.97
70	M	m,p-XYLENE	0.503	0.518	-3.0	89	0.00	15.09
71	M	o-XYLENE	0.500	0.512	-2.4	88	0.00	15.54
72	M	STYRENE	0.823	0.832	-1.1	85	0.00	15.54
73	M	BROMOFORM	0.249	0.262	-5.2	89	0.00	15.82
74	M	ISOPROPYLBENZENE	1.317	1.403	-6.5	91	0.00	15.91
75	M	BROMOBENZENE	0.376	0.406	-8.0	93	0.00	16.34
76	M	1,1,2,2-TETRACHLOROETHANE	0.415	0.427	-2.9	88	0.00	16.20
77	M	TRANS-1,4-DICHLORO-2-BUTE	0.114	0.114	0.0	87	0.00	16.24
78	M	1,2,3-TRICHLOROPROPANE	0.108	0.124	-14.8	99	0.00	16.29
79	M	n-PROPYLBENZENE	1.554	1.670	-7.5	93	0.00	16.35
80	M	O-CHLOROTOLUENE	0.331	0.352	-6.3	92	0.00	16.51
81	M	1,3,5-TRIMETHYLBENZENE	1.113	1.215	-9.2	95	0.00	16.51
82	M	P-CHLOROTOLUENE	0.991	1.066	-7.6	93	0.00	16.61
83	M	tert-BUTYLBENZENE	0.996	1.066	-7.0	92	0.00	16.89
84	M	1,2,4-TRIMETHYLBENZENE	1.152	1.272	-10.4	95	0.00	16.94
85	M	PENTACHLOROETHANE	0.235	0.270	-14.9	99	0.00	16.97
86	M	sec-BUTYLBENZENE	1.476	1.614	-9.3	94	0.00	17.12
87	M	p-ISOPROPYLTOLUENE	1.237	1.374	-11.1	95	0.00	17.25
88	M	M-DICHLOROBENZENE	0.719	0.781	-8.6	96	0.00	17.32
89	M	P-DICHLOROBENZENE	0.738	0.805	-9.1	95	0.00	17.41
90	M	n-BUTYLBENZENE	0.650	0.726	-11.7	96	0.00	17.69
91	M	O-DICHLOROBENZENE	0.718	0.794	-10.6	97	0.00	17.83
92	M	HEXACHLOROETHANE	0.228	0.261	-14.5	99	0.00	18.14
93	M	1,2-DIBROMO-3-CHLOROPROPA	0.080	0.087	-8.7	92	0.00	18.63
94	M	NITROBENZENE	0.016	0.016	0.0	69	0.00	18.84
95	M	1,2,4-TRICHLOROBENZENE	0.597	0.703	-17.8	101	0.00	19.52
96	M	HEXACHLOROBUTADIENE	0.328	0.412	-25.6	107	0.00	19.66
97	M	NAPHTHALENE	1.429	1.661	-16.2	98	0.00	19.82
98	M	1,2,3-TRICHLOROBENZENE	0.560	0.681	-21.6	103	0.00	20.09

Continuing Calibration Summary

Job Number: JA33930 **Sample:** V1B1757-CC1749
Account: EPMNYLS Environmental Planning and Management **Lab FileID:** 1B40143.D
Project: Katonah Q4, Katonah Pump House, Bedford, NY

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(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 1b39995.D  M1B1749.M        Mon Dec 07 11:10:04 2009   VOA-CLN-02
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GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40146.d
Acq On : 5 Dec 2009 1:10 pm
Operator : mei
Sample : ja33930-1
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 11:11:56 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

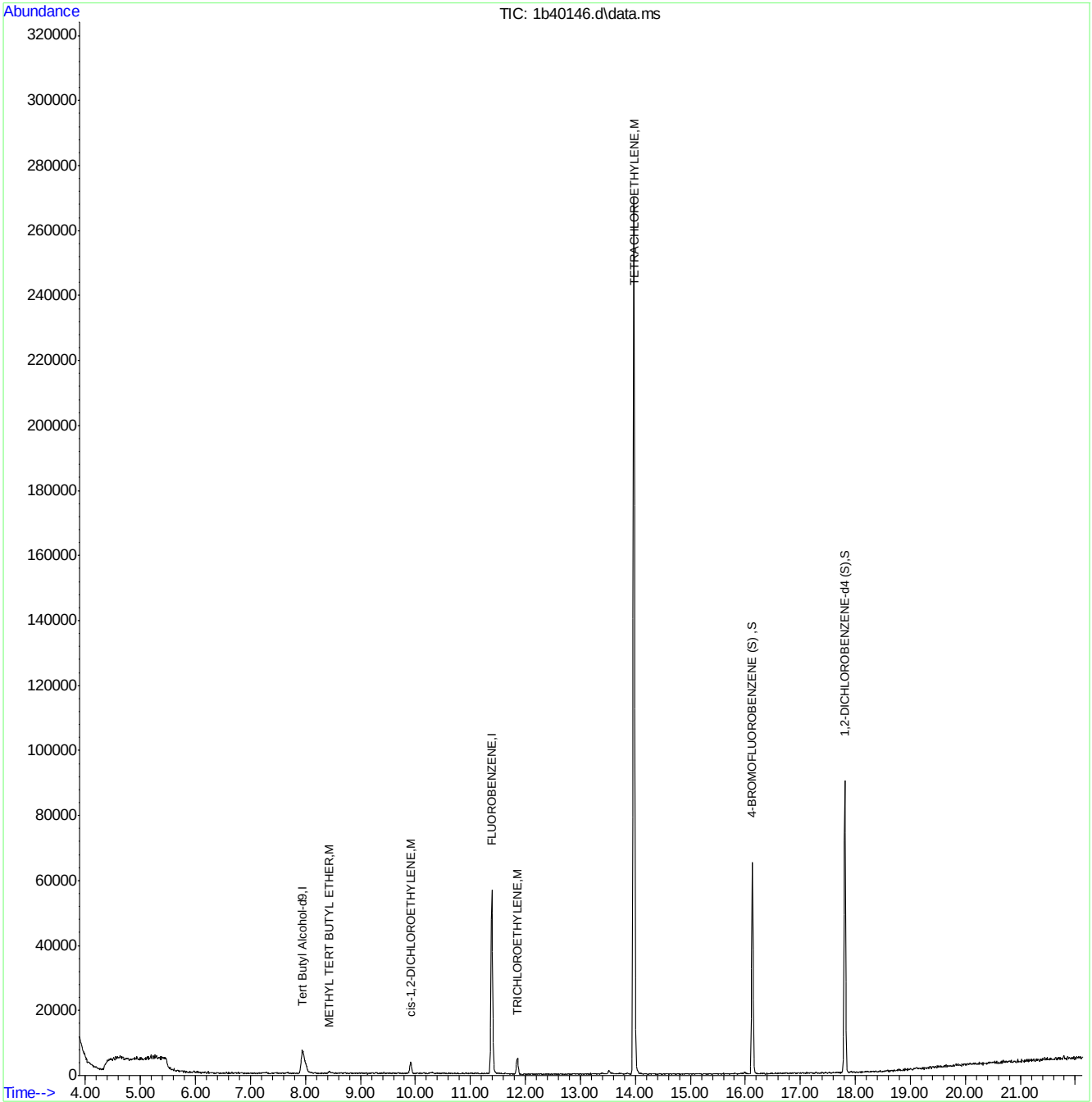
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.945	65	18656	50.00	PPB	-0.01
3) FLUOROBENZENE	11.390	96	59650	5.00	PPb	0.00
System Monitoring Compounds						
4) 4-BROMOFLUOROBENZENE (S)	16.124	95	23355	5.13	PPb	0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 102.60%			
5) 1,2-DICHLOROBENZENE-d4...	17.812	152	27087	5.01	PPb	0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 100.20%			
Target Compounds						Qvalue
23) METHYL TERT BUTYL ETHER	8.433	73	1132	0.11	PPb	54
31) cis-1,2-DICHLOROETHYLENE	9.911	61	2566	0.46	PPb	84
46) TRICHLOROETHYLENE	11.851	95	2245	0.66	PPb	91
64) TETRACHLOROETHYLENE	13.974	166	90670	23.00	PPb	98

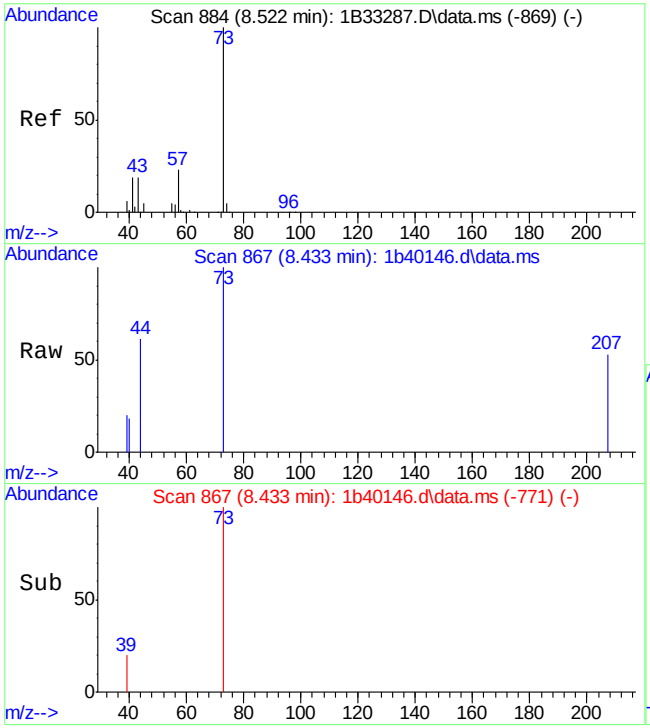
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40146.d
Acq On : 5 Dec 2009 1:10 pm
Operator : mei
Sample : ja33930-1
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 11:11:56 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

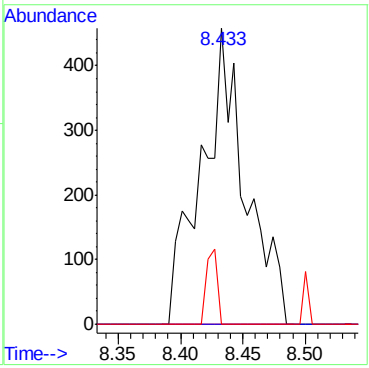


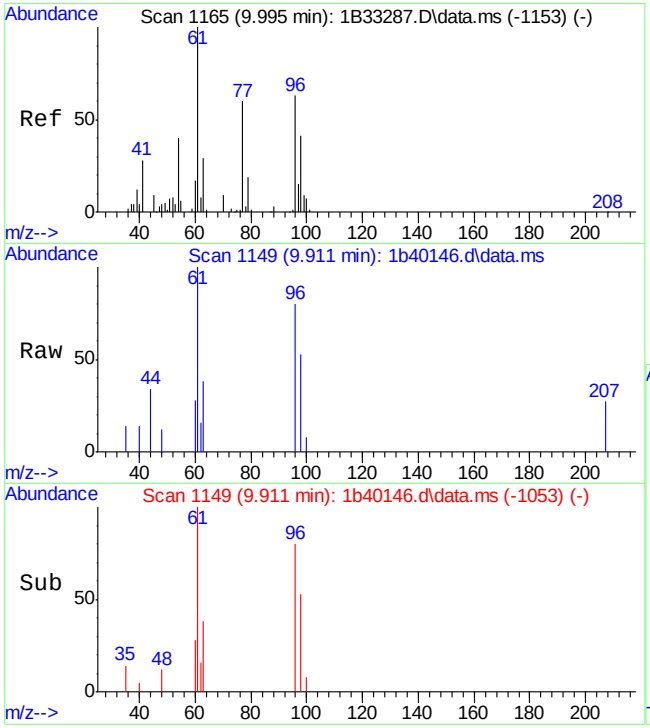


#23
METHYL TERT BUTYL ETHER
Concen: 0.11 PPb
RT: 8.433 min Scan# 867
Delta R.T. 0.005 min
Lab File: 1b40146.d
Acq: 5 Dec 2009 1:10 pm

Tgt Ion: 73 Resp: 1132

Ion	Ratio	Lower	Upper
73	100		
57	0.0	0.0	51.6
43	0.0	0.0	52.6

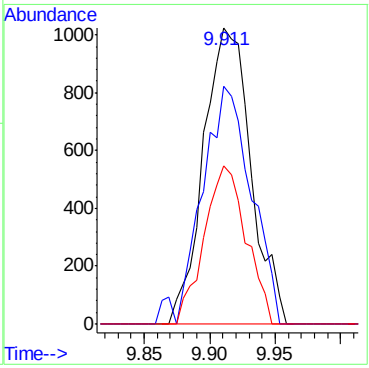


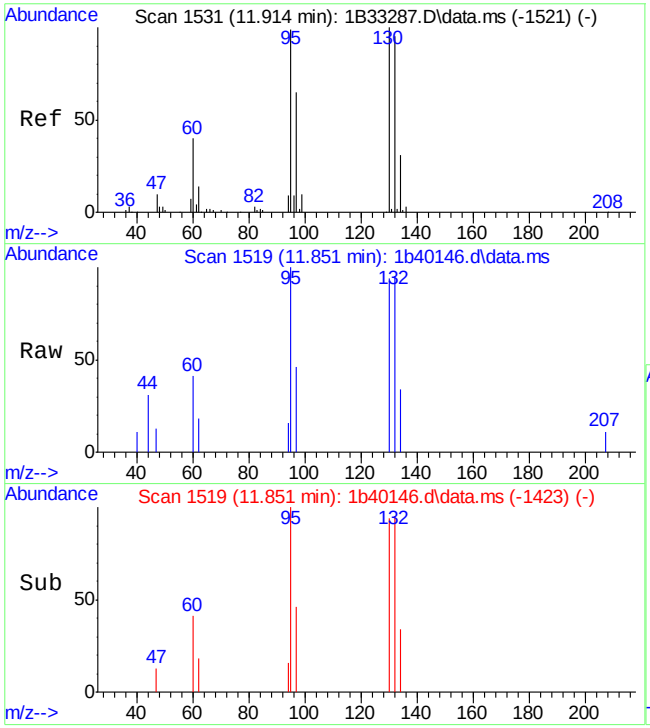


#31
cis-1,2-DICHLOROETHYLENE
Concen: 0.46 PPb
RT: 9.911 min Scan# 1149
Delta R.T. 0.005 min
Lab File: 1b40146.d
Acq: 5 Dec 2009 1:10 pm

Tgt Ion: 61 Resp: 2566

Ion	Ratio	Lower	Upper
61	100		
96	76.6	44.6	82.8
98	53.4	30.7	57.1

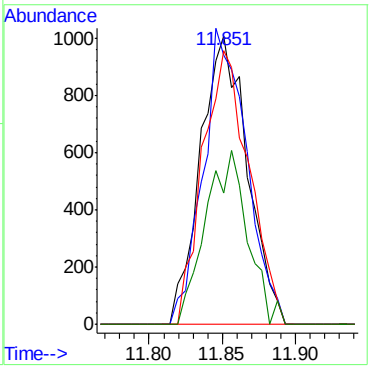


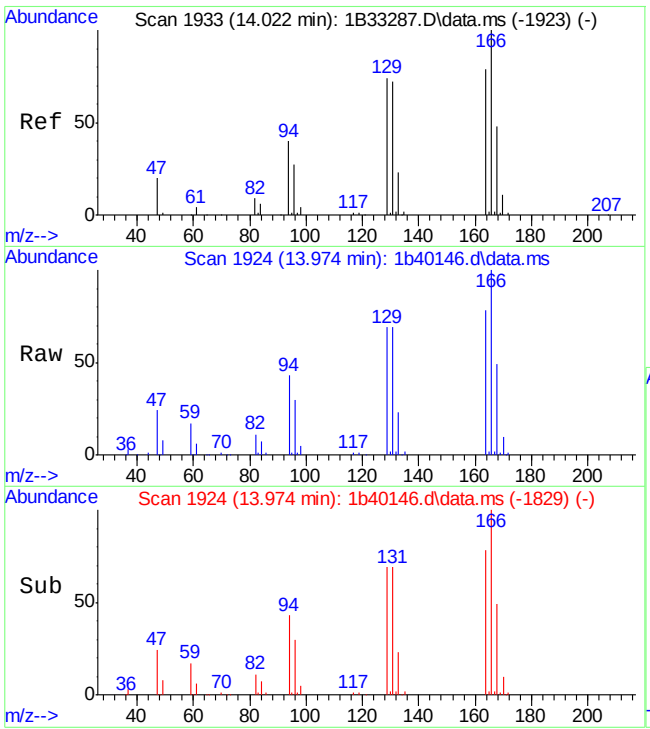


#46
TRICHLOROETHYLENE
Concen: 0.66 PPb
RT: 11.851 min Scan# 1519
Delta R.T. 0.005 min
Lab File: 1b40146.d
Acq: 5 Dec 2009 1:10 pm

Tgt Ion: 95 Resp: 2245

Ion	Ratio	Lower	Upper
95	100		
130	93.5	68.1	128.1
132	95.0	61.2	121.2
97	45.7	34.0	94.0

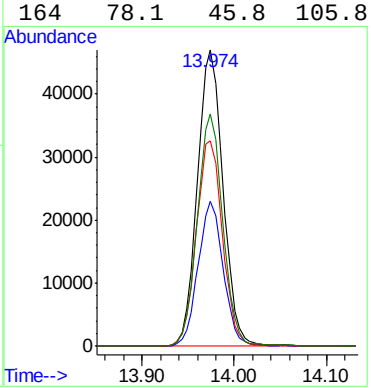




#64
TETRACHLOROETHYLENE
Concen: 23.00 PPb
RT: 13.974 min Scan# 1924
Delta R.T. 0.000 min
Lab File: 1b40146.d
Acq: 5 Dec 2009 1:10 pm

Tgt Ion:166 Resp: 90670

Ion	Ratio	Lower	Upper
166	100		
168	49.0	21.8	81.8
129	69.3	40.0	100.0
164	78.1	45.8	105.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40147.d
Acq On : 5 Dec 2009 1:47 pm
Operator : mei
Sample : ja33930-2
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 07 11:12:21 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

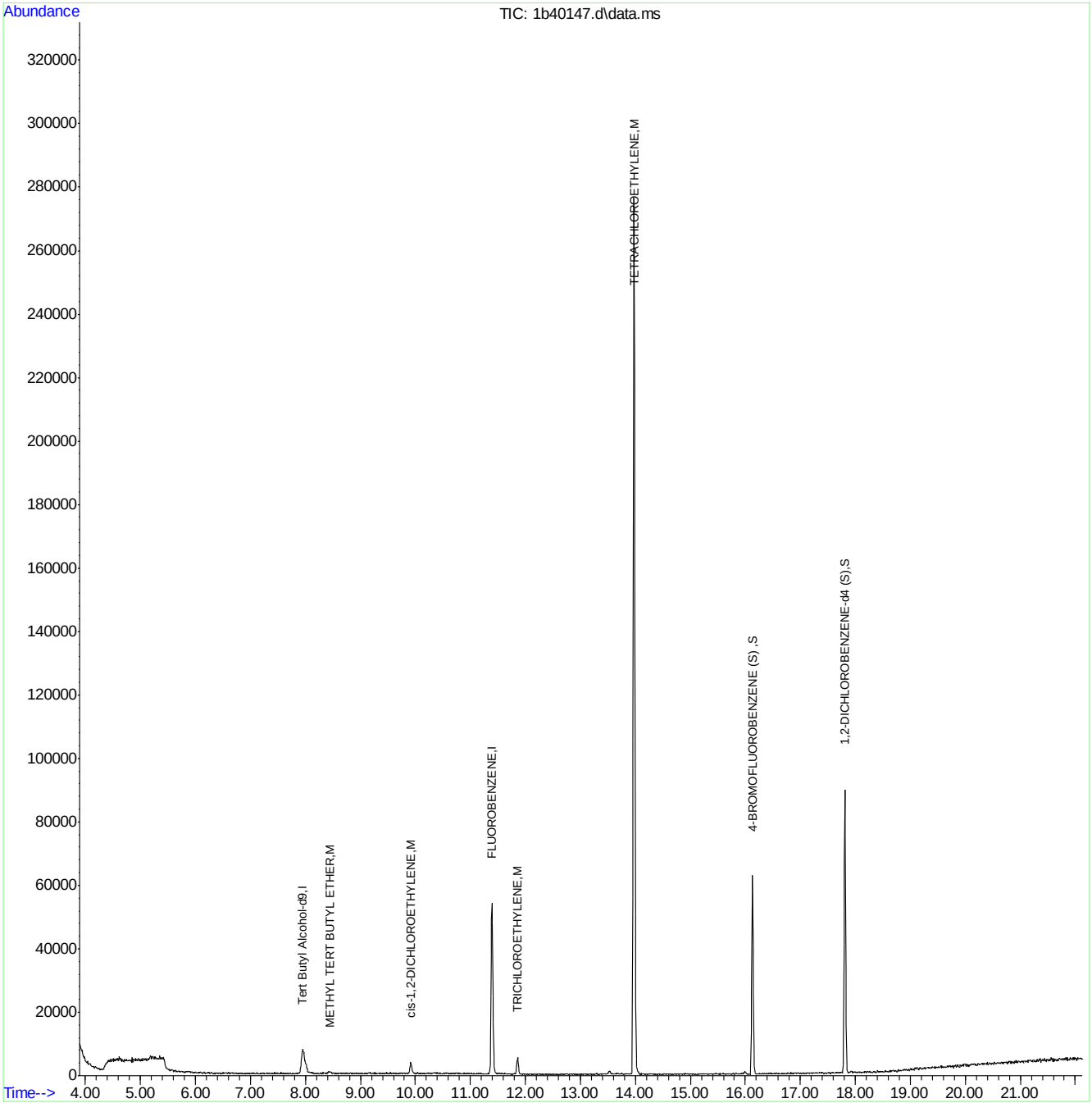
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.950	65	18860	50.00	PPB	0.00
3) FLUOROBENZENE	11.390	96	58014	5.00	PPb	0.00
System Monitoring Compounds						
4) 4-BROMOFLUOROBENZENE (S)	16.129	95	22223	5.02	PPb	0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 100.40%			
5) 1,2-DICHLOROBENZENE-d4...	17.812	152	26506	5.04	PPb	0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 100.80%			
Target Compounds						Qvalue
23) METHYL TERT BUTYL ETHER	8.448	73	1068	0.11	PPb	68
31) cis-1,2-DICHLOROETHYLENE	9.916	61	2718	0.50	PPb	96
46) TRICHLOROETHYLENE	11.856	95	2111	0.64	PPb	95
64) TETRACHLOROETHYLENE	13.974	166	93246	24.32	PPb	96

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

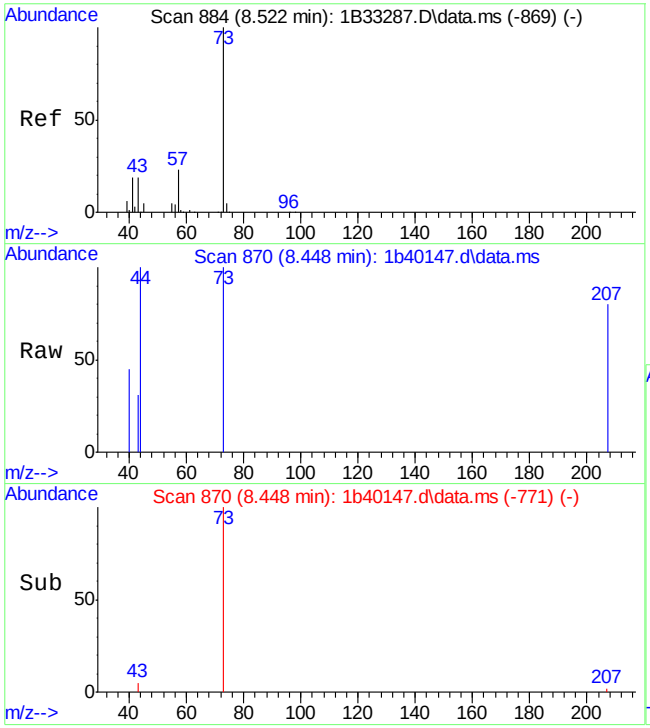
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40147.d
Acq On : 5 Dec 2009 1:47 pm
Operator : mei
Sample : ja33930-2
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 07 11:12:21 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration



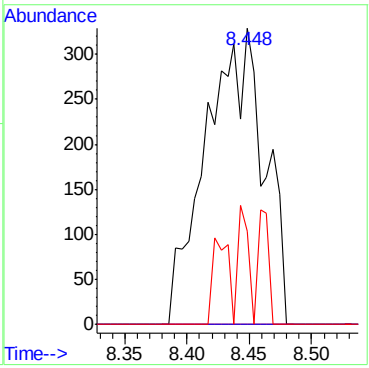
M1B1749.M Mon Dec 07 11:17:00 2009 VOA-CLN-02 Page: 2

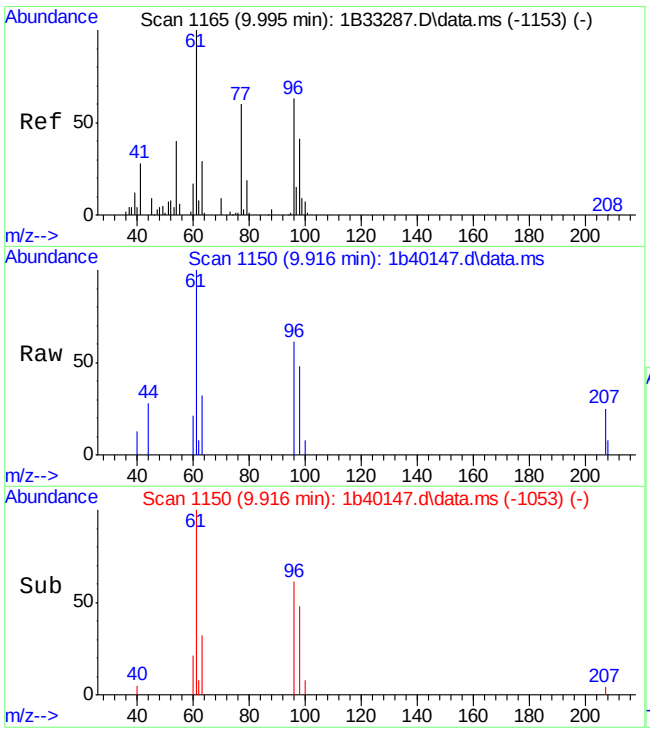


#23
METHYL TERT BUTYL ETHER
Concen: 0.11 PPb
RT: 8.448 min Scan# 870
Delta R.T. 0.021 min
Lab File: 1b40147.d
Acq: 5 Dec 2009 1:47 pm

Tgt Ion: 73 Resp: 1068

Ion	Ratio	Lower	Upper
73	100		
57	0.0	0.0	51.6
43	31.3	0.0	52.6

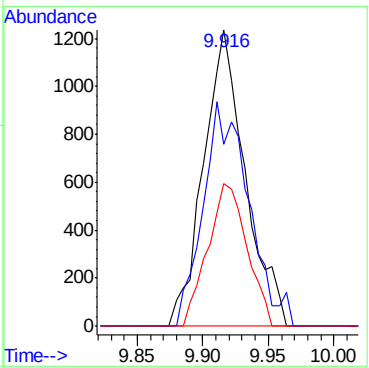


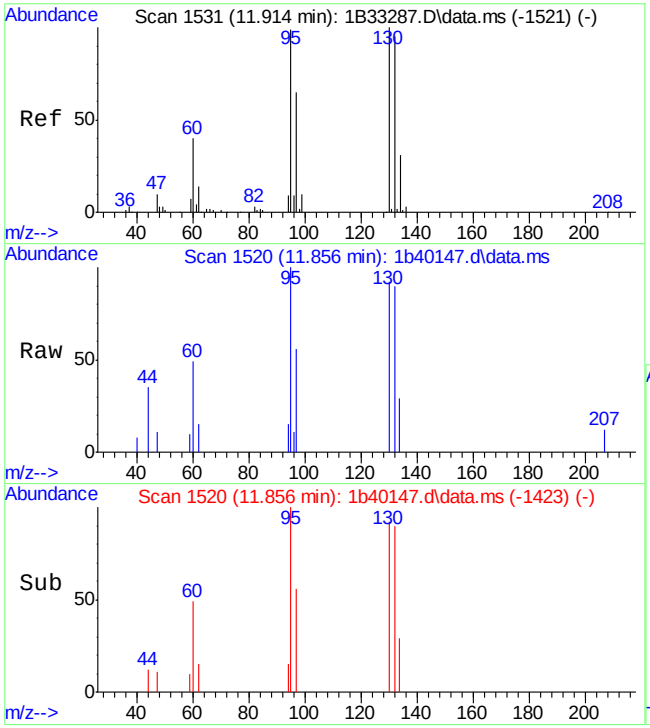


#31
cis-1,2-DICHLOROETHYLENE
Concen: 0.50 PPb
RT: 9.916 min Scan# 1150
Delta R.T. 0.011 min
Lab File: 1b40147.d
Acq: 5 Dec 2009 1:47 pm

Tgt Ion: 61 Resp: 2718

Ion	Ratio	Lower	Upper
61	100		
96	61.3	44.6	82.8
98	48.1	30.7	57.1

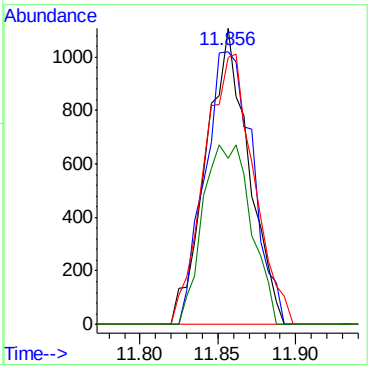


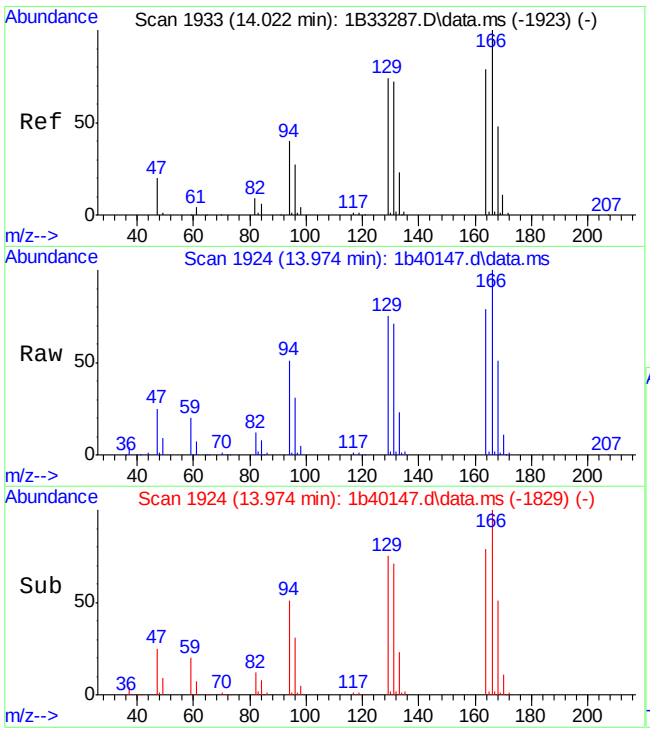


#46
TRICHLOROETHYLENE
Concen: 0.64 PPb
RT: 11.856 min Scan# 1520
Delta R.T. 0.011 min
Lab File: 1b40147.d
Acq: 5 Dec 2009 1:47 pm

Tgt Ion: 95 Resp: 2111

Ion	Ratio	Lower	Upper
95	100		
130	91.9	68.1	128.1
132	90.1	61.2	121.2
97	56.2	34.0	94.0

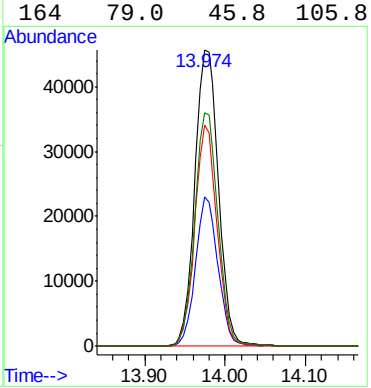




#64
TETRACHLOROETHYLENE
Concen: 24.32 PPb
RT: 13.974 min Scan# 1924
Delta R.T. 0.000 min
Lab File: 1b40147.d
Acq: 5 Dec 2009 1:47 pm

Tgt Ion:166 Resp: 93246

Ion	Ratio	Lower	Upper
166	100		
168	50.6	21.8	81.8
129	74.5	40.0	100.0
164	79.0	45.8	105.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40148.d
Acq On : 5 Dec 2009 2:24 pm
Operator : mei
Sample : ja33930-3
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 07 11:12:45 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

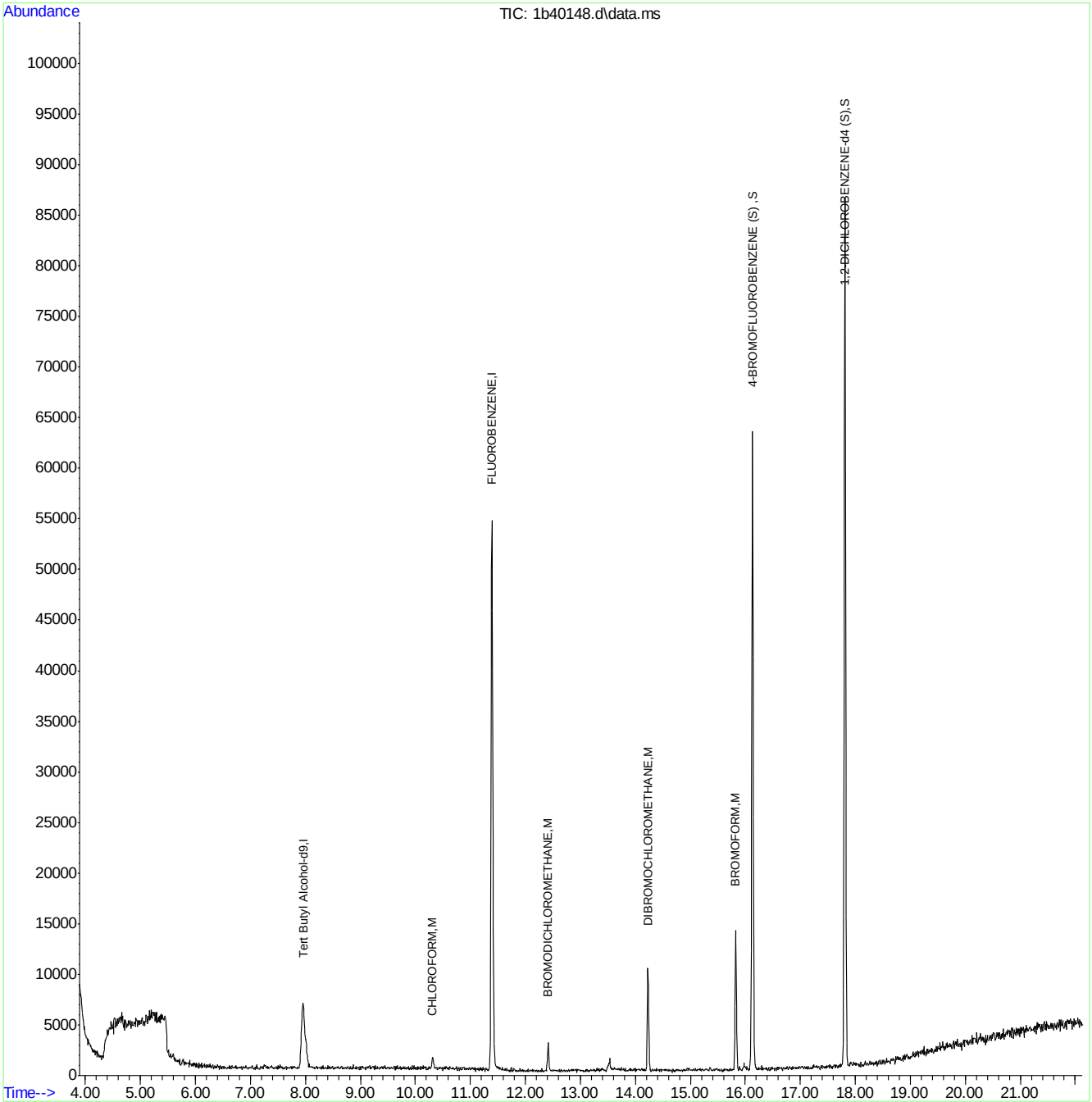
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.955	65	16493	50.00	PPB	0.00
3) FLUOROBENZENE	11.395	96	56428	5.00	PPb	0.00
System Monitoring Compounds						
4) 4-BROMOFLUOROBENZENE (S)	16.129	95	21836	5.07	PPb	0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 101.40%			
5) 1,2-DICHLOROBENZENE-d4...	17.812	152	25143	4.92	PPb	0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 98.40%			
Target Compounds						Qvalue
36) CHLOROFORM	10.304	83	1049	0.19	PPb	85
51) BROMODICHLOROMETHANE	12.412	83	2406	0.56	PPb	97
65) DIBROMOCHLOROMETHANE	14.231	129	6398	1.72	PPb	95
73) BROMOFORM	15.825	173	7223	2.57	PPb	91

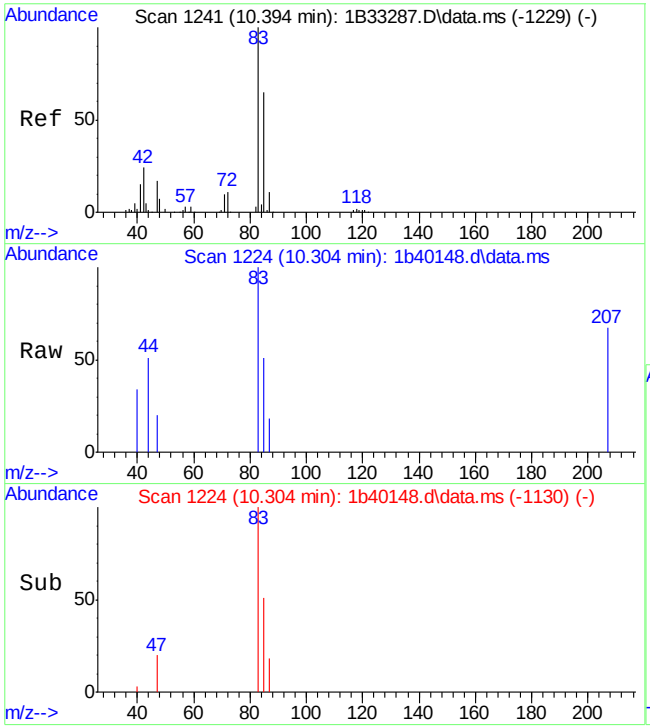
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40148.d
Acq On : 5 Dec 2009 2:24 pm
Operator : mei
Sample : ja33930-3
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 07 11:12:45 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

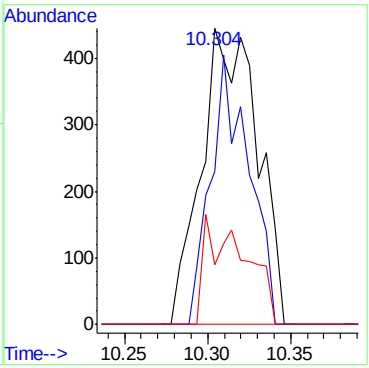


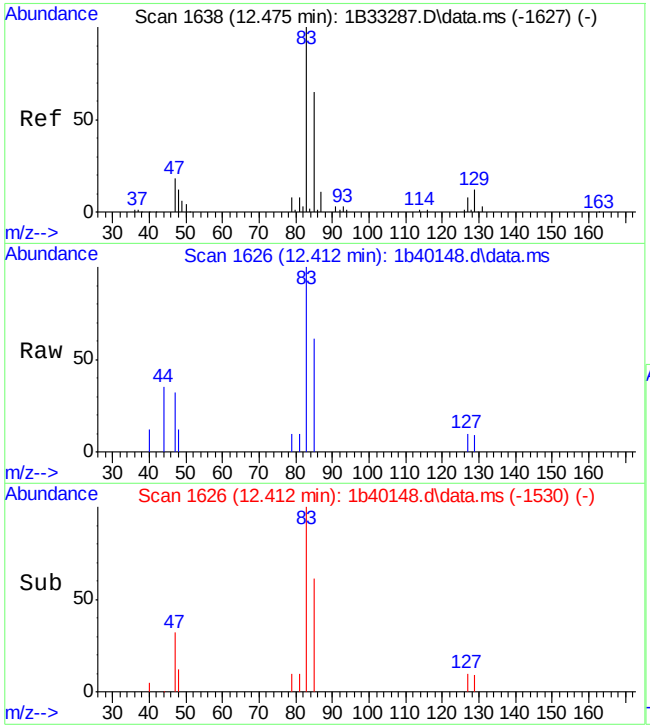


#36
CHLOROFORM
Concen: 0.19 PPb
RT: 10.304 min Scan# 1224
Delta R.T. -0.005 min
Lab File: 1b40148.d
Acq: 5 Dec 2009 2:24 pm

Tgt Ion: 83 Resp: 1049

Ion	Ratio	Lower	Upper
83	100		
85	51.5	35.7	95.7
47	20.0	0.0	52.7

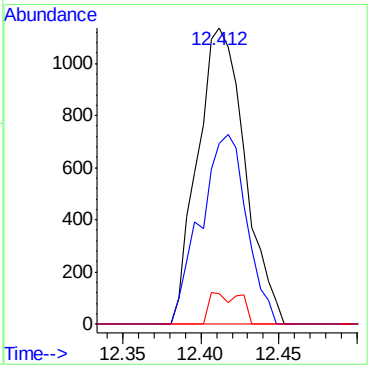


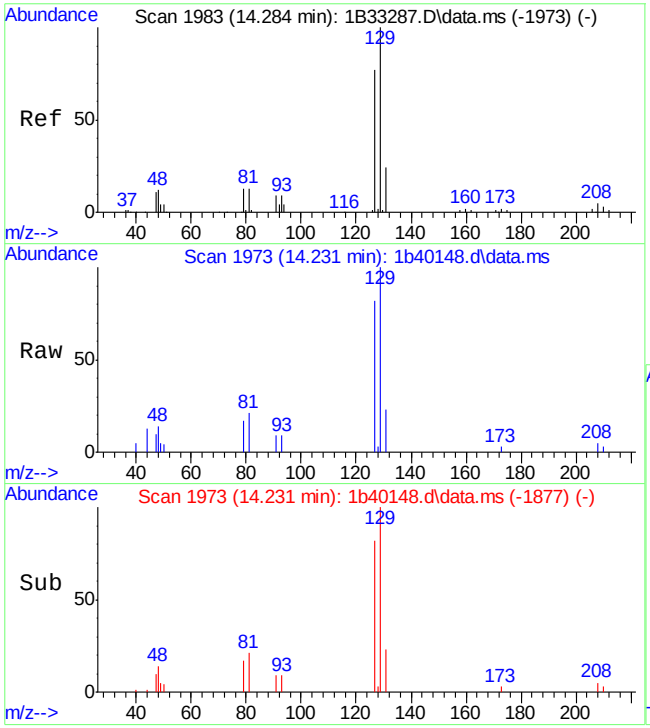


#51
BROMODICHLOROMETHANE
Concen: 0.56 PPb
RT: 12.412 min Scan# 1626
Delta R.T. 0.005 min
Lab File: 1b40148.d
Acq: 5 Dec 2009 2:24 pm

Tgt Ion: 83 Resp: 2406

Ion	Ratio	Lower	Upper
83	100		
85	61.0	33.8	93.8
127	10.1	0.0	39.4

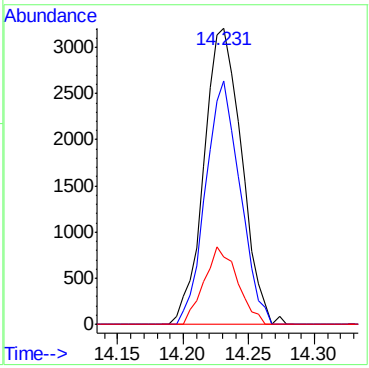


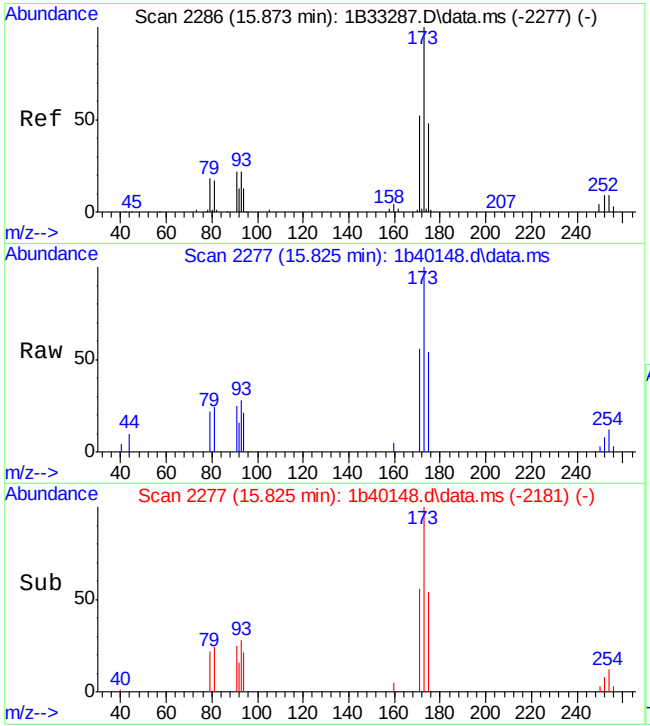


#65
DIBROMOCHLOROMETHANE
Concen: 1.72 PPb
RT: 14.231 min Scan# 1973
Delta R.T. 0.005 min
Lab File: 1b40148.d
Acq: 5 Dec 2009 2:24 pm

Tgt Ion:129 Resp: 6398

Ion	Ratio	Lower	Upper
129	100		
127	82.2	47.0	107.0
131	22.8	0.0	53.9

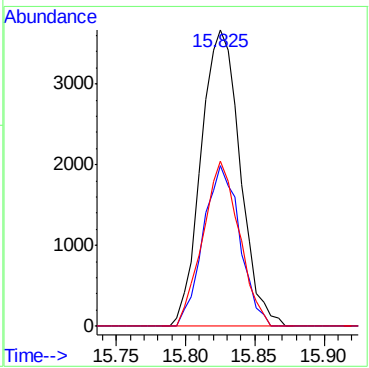




#73
BROMOFORM
Concen: 2.57 PPb
RT: 15.825 min Scan# 2277
Delta R.T. 0.005 min
Lab File: 1b40148.d
Acq: 5 Dec 2009 2:24 pm

Tgt Ion:173 Resp: 7223

Ion	Ratio	Lower	Upper
173	100		
175	54.2	18.5	78.5
171	55.7	19.5	79.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40149.d
Acq On : 5 Dec 2009 3:01 pm
Operator : mei
Sample : ja33930-4
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 07 11:13:03 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

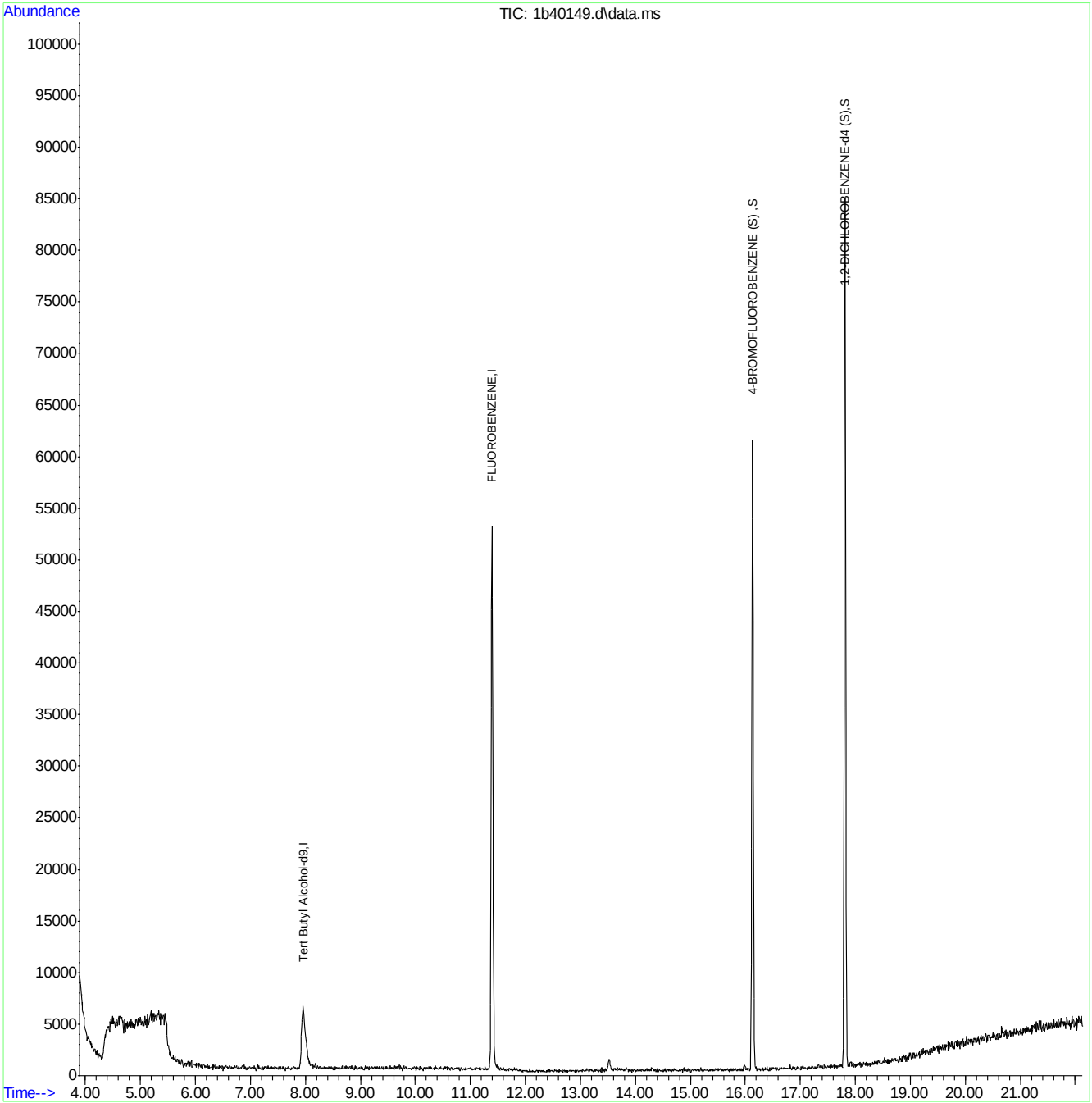
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.961	65	16948	50.00	PPB	0.00
3) FLUOROBENZENE	11.389	96	54914	5.00	PPb	0.00
System Monitoring Compounds						
4) 4-BROMOFLUOROBENZENE (S)	16.129	95	21337	5.09	PPb	0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 101.80%			
5) 1,2-DICHLOROBENZENE-d4...	17.812	152	25441	5.11	PPb	0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 102.20%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40149.d
Acq On : 5 Dec 2009 3:01 pm
Operator : mei
Sample : ja33930-4
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 07 11:13:03 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40150.d
Acq On : 5 Dec 2009 3:38 pm
Operator : mei
Sample : ja33930-5
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 07 11:13:25 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

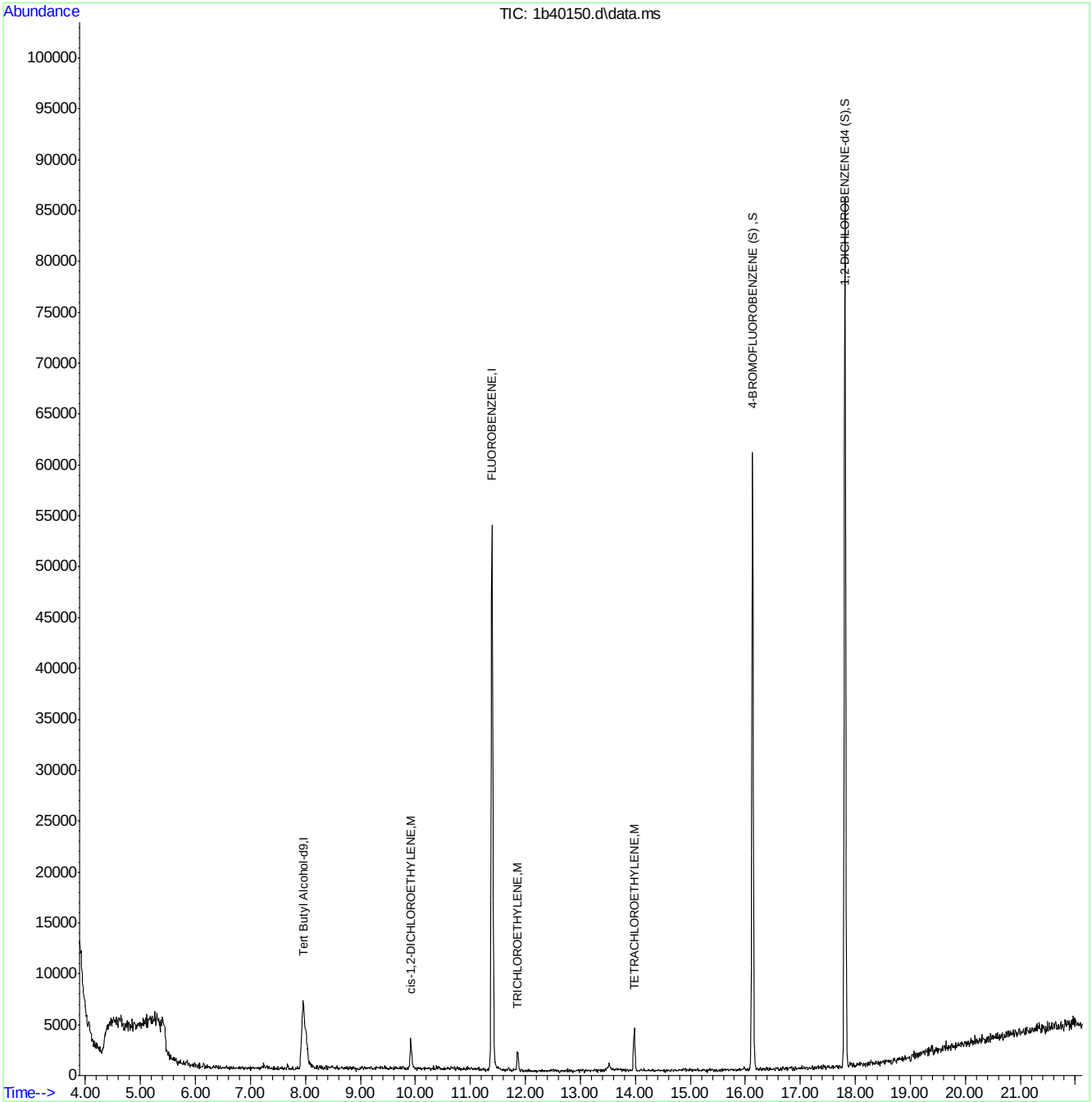
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.955	65	17494	50.00	PPB	0.00
3) FLUOROBENZENE	11.395	96	55242	5.00	PPb	0.00
System Monitoring Compounds						
4) 4-BROMOFLUOROBENZENE (S)	16.129	95	21295	5.05	PPb	0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 101.00%			
5) 1,2-DICHLOROBENZENE-d4...	17.812	152	25667	5.13	PPb	0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 102.60%			
Target Compounds						Qvalue
31) cis-1,2-DICHLOROETHYLENE	9.916	61	2022	0.39	PPb	85
46) TRICHLOROETHYLENE	11.861	95	778	0.25	PPb	90
64) TETRACHLOROETHYLENE	13.985	166	1545	0.42	PPb	94

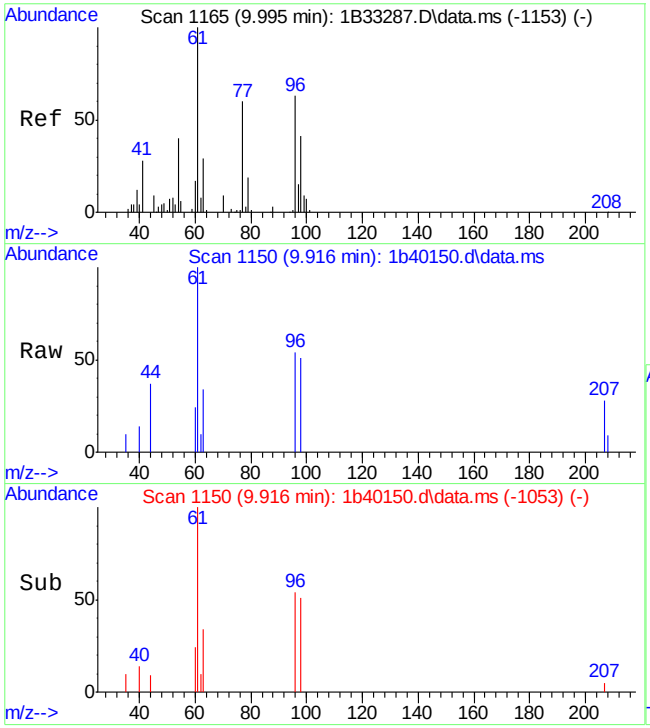
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40150.d
Acq On : 5 Dec 2009 3:38 pm
Operator : mei
Sample : ja33930-5
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 07 11:13:25 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

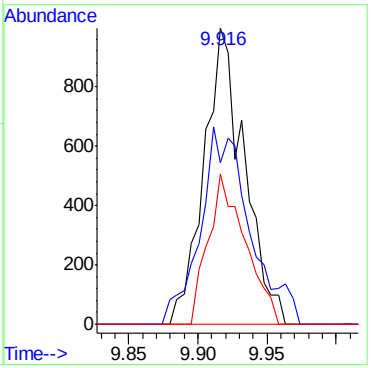


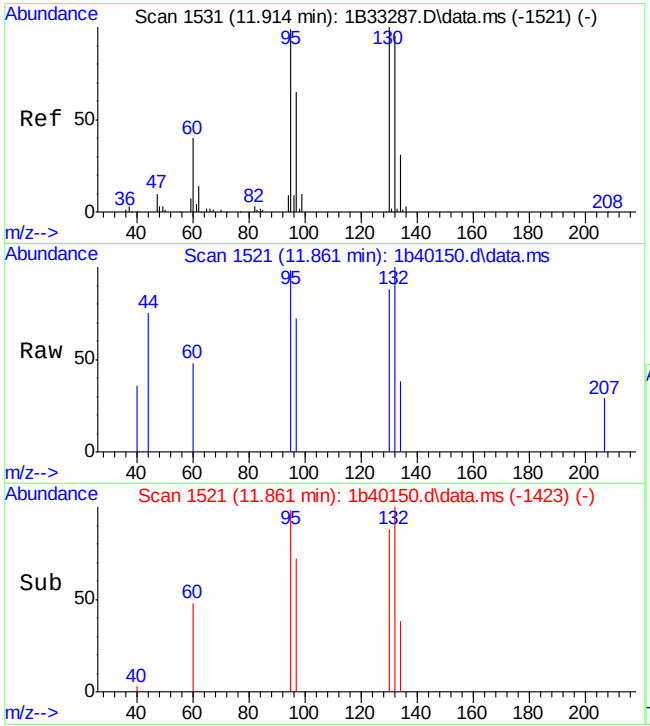


#31
cis-1,2-DICHLOROETHYLENE
Concen: 0.39 PPb
RT: 9.916 min Scan# 1150
Delta R.T. 0.010 min
Lab File: 1b40150.d
Acq: 5 Dec 2009 3:38 pm

Tgt Ion: 61 Resp: 2022

Ion	Ratio	Lower	Upper
61	100		
96	50.1	44.6	82.8
98	51.0	30.7	57.1

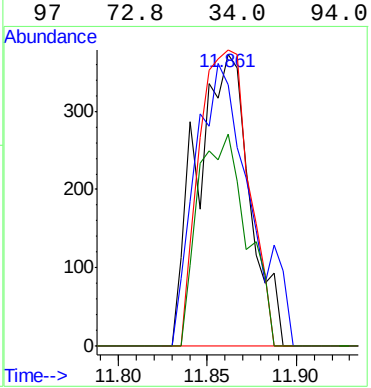


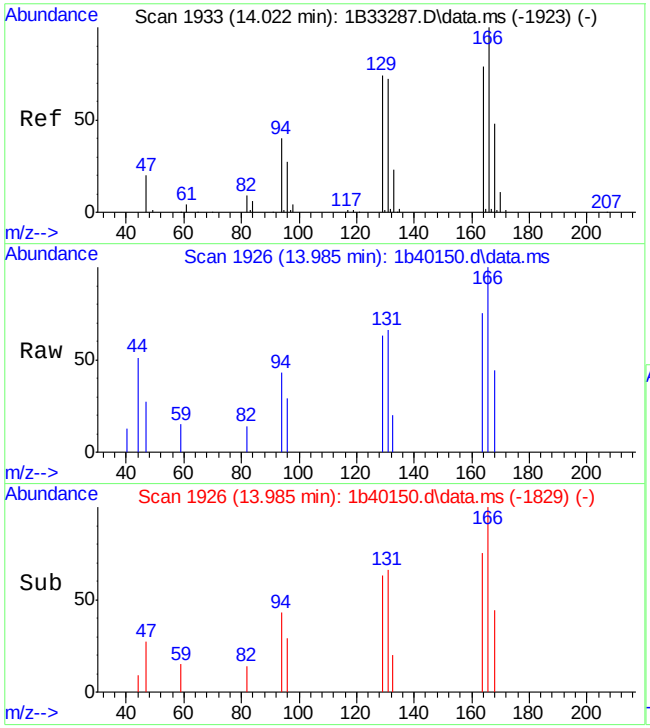


#46
TRICHLOROETHYLENE
Concen: 0.25 PPb
RT: 11.861 min Scan# 1521
Delta R.T. 0.016 min
Lab File: 1b40150.d
Acq: 5 Dec 2009 3:38 pm

Tgt Ion: 95 Resp: 778

Ion	Ratio	Lower	Upper
95	100		
130	89.5	68.1	128.1
132	101.6	61.2	121.2
97	72.8	34.0	94.0

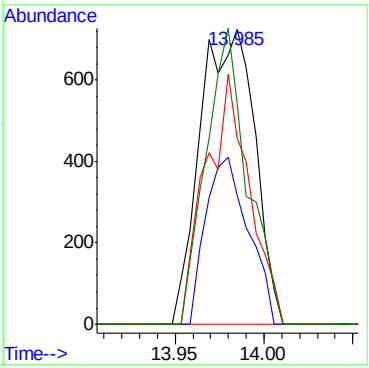




#64
TETRACHLOROETHYLENE
Concen: 0.42 PPb
RT: 13.985 min Scan# 1926
Delta R.T. 0.010 min
Lab File: 1b40150.d
Acq: 5 Dec 2009 3:38 pm

Tgt Ion:166 Resp: 1545

Ion	Ratio	Lower	Upper
166	100		
168	43.7	21.8	81.8
129	63.1	40.0	100.0
164	75.0	45.8	105.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40153.d
Acq On : 5 Dec 2009 5:29 pm
Operator : mei
Sample : ja33930-6
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 07 11:14:25 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

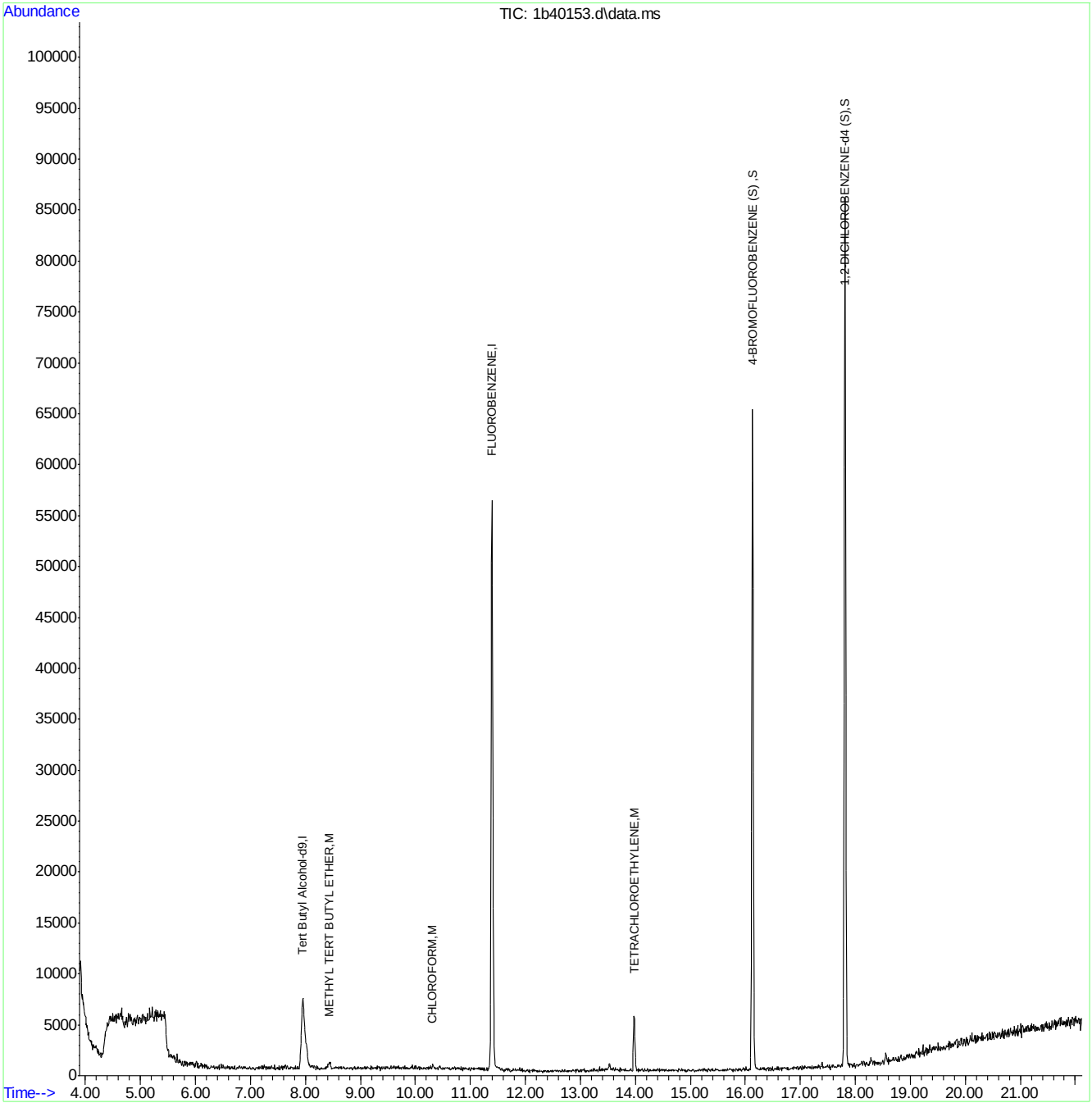
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.950	65	18102	50.00	PPB	0.00
3) FLUOROBENZENE	11.395	96	58108	5.00	PPb	0.00
System Monitoring Compounds						
4) 4-BROMOFLUOROBENZENE (S)	16.129	95	22931	5.17	PPb	0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 103.40%			
5) 1,2-DICHLOROBENZENE-d4...	17.812	152	26344	5.00	PPb	0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 100.00%			
Target Compounds						Qvalue
23) METHYL TERT BUTYL ETHER	8.438	73	897	0.09	PPb	67
36) CHLOROFORM	10.309	83	420	0.07	PPb	# 26
64) TETRACHLOROETHYLENE	13.985	166	2028	0.53	PPb	94

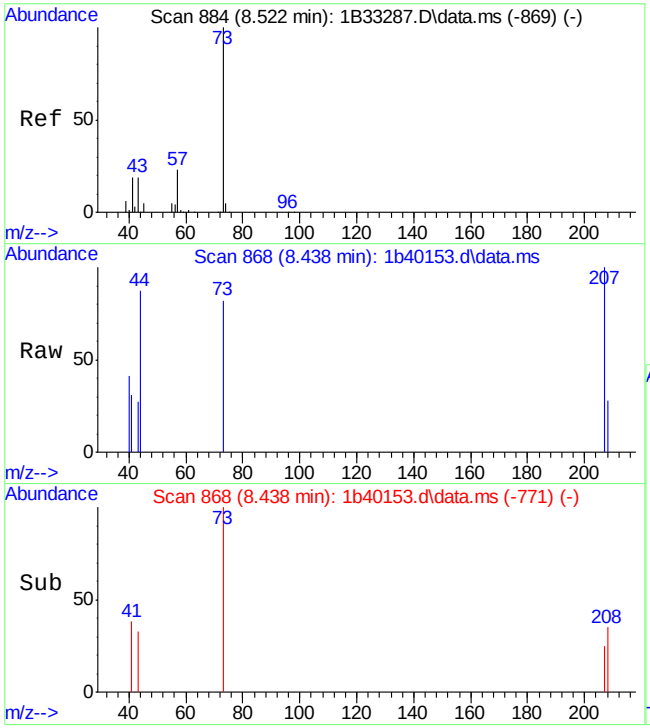
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40153.d
Acq On : 5 Dec 2009 5:29 pm
Operator : mei
Sample : ja33930-6
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 07 11:14:25 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

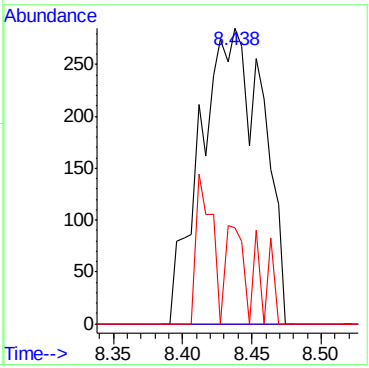


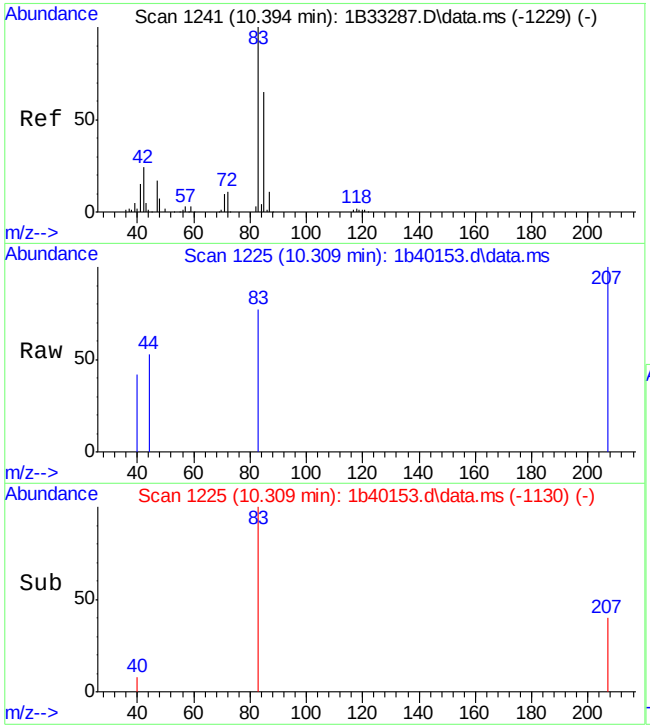


#23
METHYL TERT BUTYL ETHER
Concen: 0.09 PPb
RT: 8.438 min Scan# 868
Delta R.T. 0.010 min
Lab File: 1b40153.d
Acq: 5 Dec 2009 5:29 pm

Tgt Ion: 73 Resp: 897

Ion	Ratio	Lower	Upper
73	100		
57	0.0	0.0	51.6
43	32.6	0.0	52.6

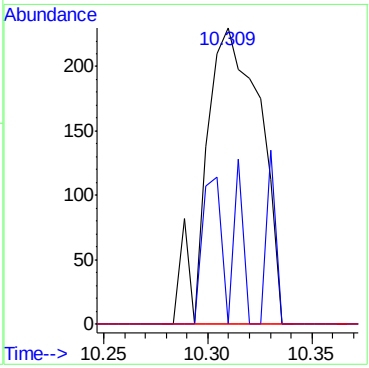


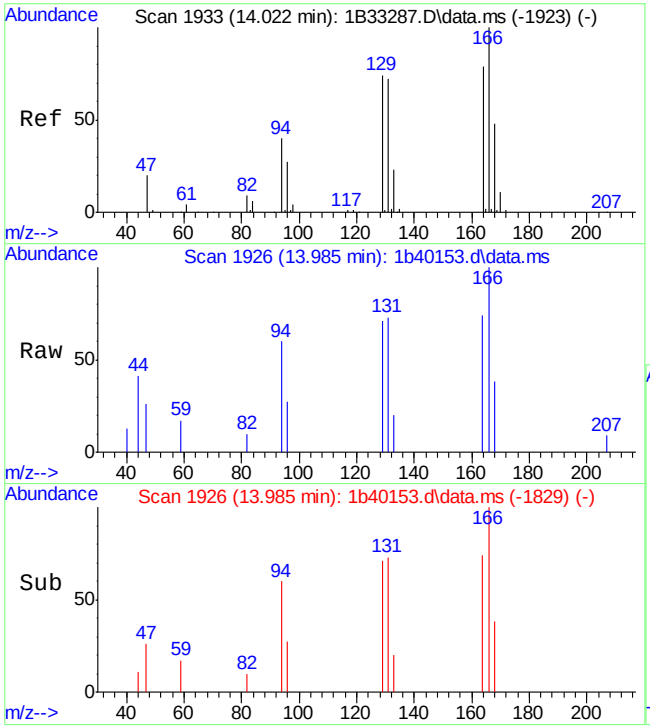


#36
CHLOROFORM
Concen: 0.07 PPb
RT: 10.309 min Scan# 1225
Delta R.T. -0.000 min
Lab File: 1b40153.d
Acq: 5 Dec 2009 5:29 pm

Tgt Ion: 83 Resp: 420

Ion	Ratio	Lower	Upper
83	100		
85	0.0	35.7	95.7#
47	0.0	0.0	52.7

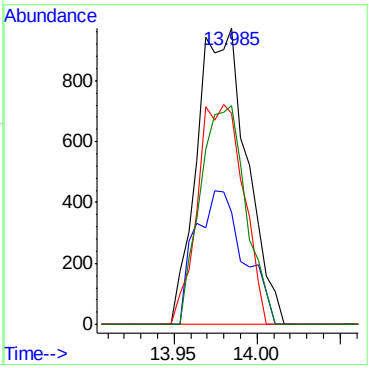




#64
TETRACHLOROETHYLENE
Concen: 0.53 PPb
RT: 13.985 min Scan# 1926
Delta R.T. 0.010 min
Lab File: 1b40153.d
Acq: 5 Dec 2009 5:29 pm

Tgt Ion:166 Resp: 2028

Ion	Ratio	Lower	Upper
166	100		
168	37.9	21.8	81.8
129	71.2	40.0	100.0
164	74.1	45.8	105.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40154.d
Acq On : 5 Dec 2009 6:06 pm
Operator : mei
Sample : ja33930-7
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 07 11:14:47 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

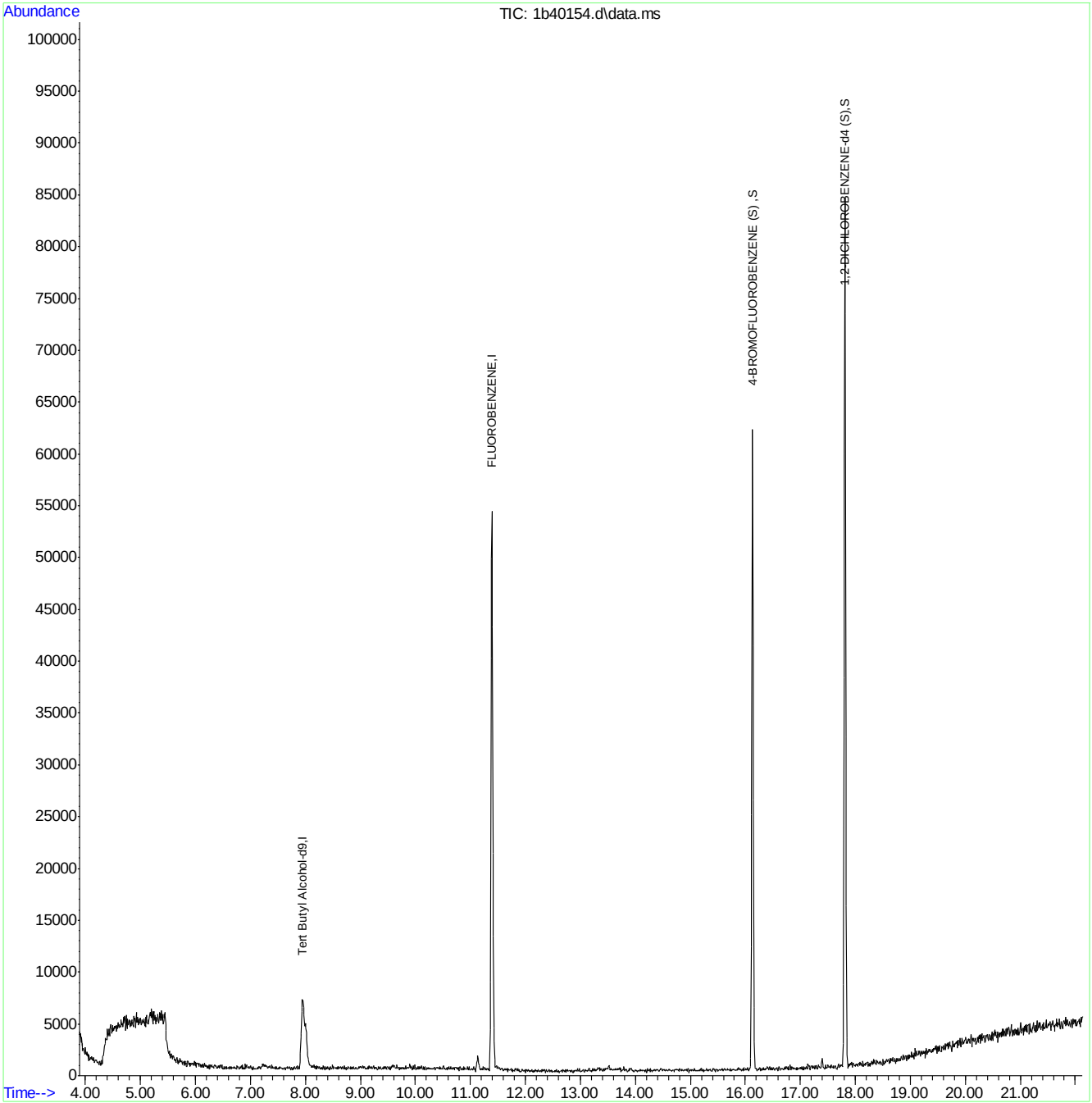
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.945	65	16821	50.00	PPB	#-0.01
3) FLUOROBENZENE	11.390	96	55618	5.00	PPb	0.00
System Monitoring Compounds						
4) 4-BROMOFLUOROBENZENE (S)	16.129	95	21219	5.00	PPb	0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 100.00%			
5) 1,2-DICHLOROBENZENE-d4...	17.812	152	25014	4.96	PPb	0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 99.20%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40154.d
Acq On : 5 Dec 2009 6:06 pm
Operator : mei
Sample : ja33930-7
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 07 11:14:47 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40155.d
Acq On : 5 Dec 2009 6:43 pm
Operator : mei
Sample : ja33930-8
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 07 11:15:06 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

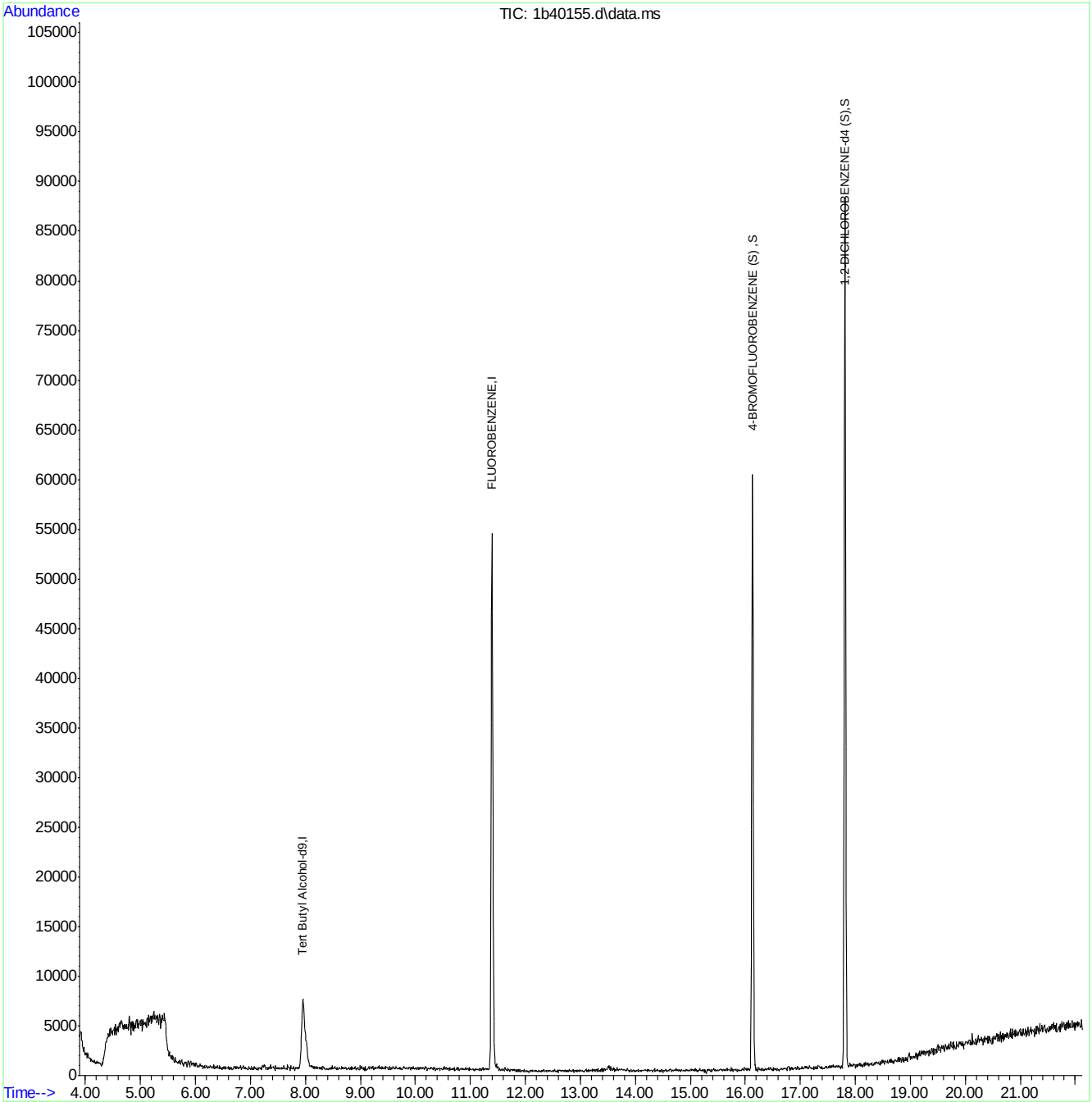
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.950	65	17599	50.00	PPB	0.00
3) FLUOROBENZENE	11.395	96	55325	5.00	PPb	0.00
System Monitoring Compounds						
4) 4-BROMOFLUOROBENZENE (S)	16.129	95	21647	5.13	PPb	0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 102.60%			
5) 1,2-DICHLOROBENZENE-d4...	17.812	152	25576	5.10	PPb	0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 102.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40155.d
Acq On : 5 Dec 2009 6:43 pm
Operator : mei
Sample : ja33930-8
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 07 11:15:06 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40144.d
Acq On : 5 Dec 2009 11:48 am
Operator : mei
Sample : mb1
Misc : MS89711,V1B1757,W,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 11:10:36 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

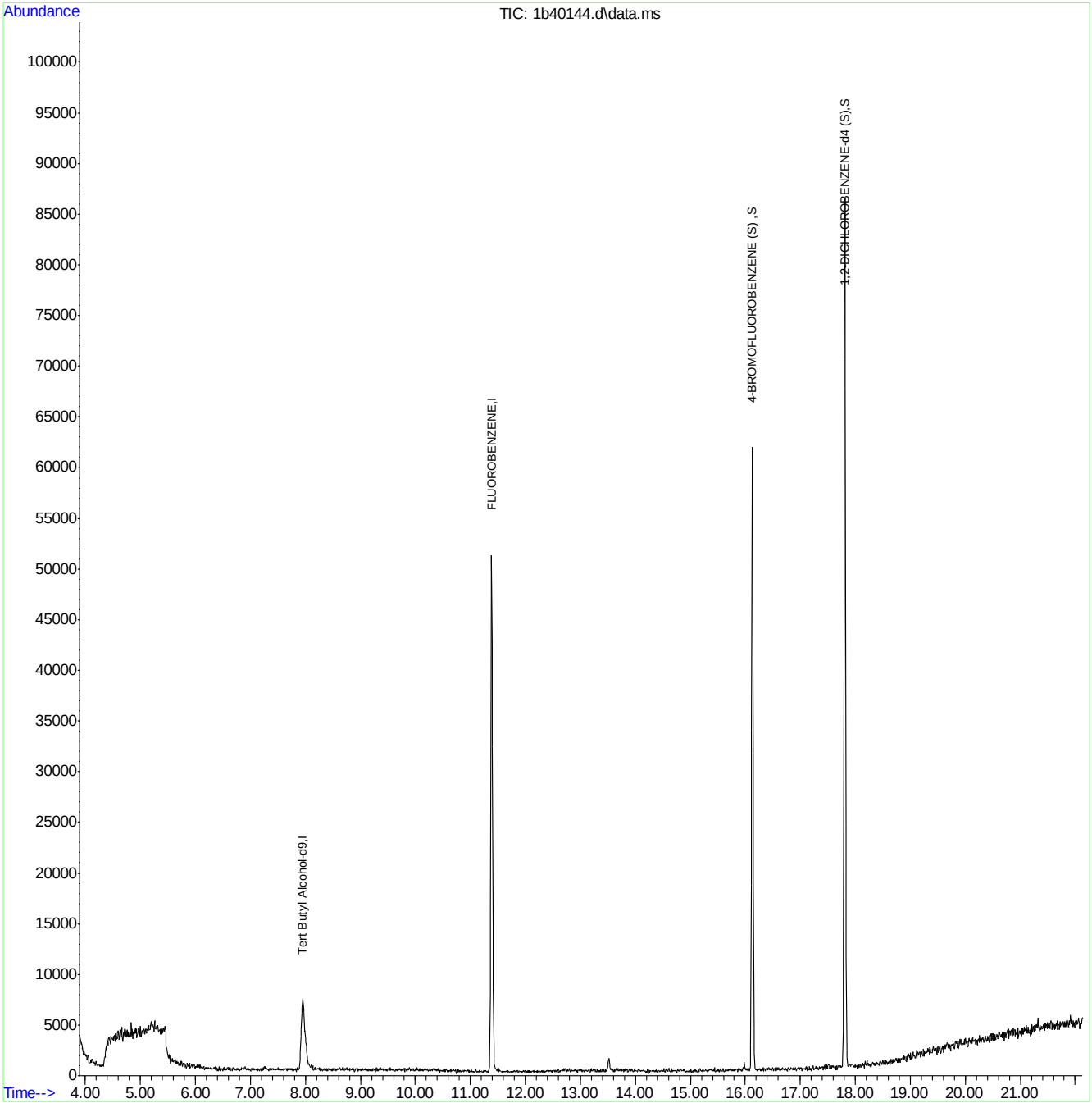
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.945	65	18369	50.00	PPB	# 0.00
3) FLUOROBENZENE	11.384	96	55182	5.00	PPb	0.00
System Monitoring Compounds						
4) 4-BROMOFLUOROBENZENE (S)	16.124	95	21814	5.18	PPb	0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 103.60%			
5) 1,2-DICHLOROBENZENE-d4...	17.812	152	25836	5.17	PPb	0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 103.40%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40144.d
Acq On : 5 Dec 2009 11:48 am
Operator : mei
Sample : mb1
Misc : MS89711,V1B1757,W,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 11:10:36 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40145.d
Acq On : 5 Dec 2009 12:31 pm
Operator : mei
Sample : bs
Misc : MS89711,V1B1757,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 05 12:49:33 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.961	65	18721	50.00	PPB	#	0.00
3) FLUOROBENZENE	11.390	96	56914	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.124	95	23100	5.32	PPb		0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 106.40%				
5) 1,2-DICHLOROBENZENE-d4...	17.807	152	28232	5.47	PPb		0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 109.40%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.092	59	9735	23.36	PPb		87
6) DICHLORODIFLUOROMETHANE	4.076	85	8535	1.88	PPb		94
7) CHLOROMETHANE	4.432	50	7595	1.75	PPb		93
8) VINYL CHLORIDE	4.715	62	7126	1.85	PPb		88
9) BROMOMETHANE	5.481	94	5184	1.85	PPb		87
10) CHLOROETHANE	5.701	64	3630	1.84	PPb		84
11) TRICHLOROFLUOROMETHANE	6.230	101	11080	2.16	PPb		99
12) ETHYL ETHER	6.734	45	8195	4.39	PPb		94
13) ACROLEIN	6.959	56	27143	49.93	PPb		97
14) 1,1-DICHLOROETHYLENE	7.200	96	10388	4.12	PPb		93
15) FREON 113	7.200	151	11589	5.24	PPb		94
16) ACETONE	7.216	58	5367	19.27	PPb		91
17) IODOMETHANE	7.504	142	23654	4.33	PPb		95
18) CARBON DISULFIDE	7.672	76	34682	3.69	PPb		96
19) METHYL ACETATE	7.782	74	2556	5.28	PPb	#	1
20) ALLYL CHLORIDE	7.809	76	6487	4.00	PPb		92
21) METHYLENE CHLORIDE	8.008	84	14445	4.27	PPb		99
22) ACRYLONITRILE	8.338	53	31340	24.23	PPb		95
23) METHYL TERT BUTYL ETHER	8.432	73	47356	4.90	PPb		98
24) trans-1,2-DICHLOROETHY...	8.469	61	18116	4.30	PPb		94
25) HEXANE	8.857	57	16026	4.47	PPb		94
26) 1,1-DICHLOROETHANE	9.088	63	23727	4.48	PPb		95
27) DI-ISOPROPYL ETHER	9.125	45	42100	4.54	PPb		98
28) ETHYL TERT-BUTYL ETHER	9.638	59	45616	4.85	PPb		95
29) 2-BUTANONE	9.848	72	6960	18.07	PPb		100
30) 2,2-DICHLOROPROPANE	9.922	77	23330	4.79	PPb		96
31) cis-1,2-DICHLOROETHYLENE	9.911	61	25266	4.74	PPb		97
32) PROPIONITRILE	9.911	54	25649	49.80	PPb		96
33) METHYLACRYLATE	9.984	55	14154	4.69	PPb		84
34) METHACRYLONITRILE	10.136	41	10149	4.43	PPb		89
35) BROMOCHLOROMETHANE	10.241	128	8917	5.04	PPb		95
36) CHLOROFORM	10.309	83	27690	4.89	PPb		95
37) TETRAHYDROFURAN	10.309	42	6397	4.97	PPb		99
38) 1,1,1-TRICHLOROETHANE	10.614	97	24269	4.81	PPb		96
39) CYCLOHEXANE	10.724	84	16020	3.90	PPb	#	100
40) 1-CHLOROBUTANE	10.703	56	40500	3.87	PPb		97
41) 1,1-DICHLOROPROPENE	10.808	75	16745	4.06	PPb		95
42) CARBON TETRACHLORIDE	10.844	117	22177	4.87	PPb		95
43) 1,2-DICHLOROETHANE	11.059	62	25295	5.48	PPb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40145.d
Acq On : 5 Dec 2009 12:31 pm
Operator : mei
Sample : bs
Misc : MS89711,V1B1757,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 05 12:49:33 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	BENZENE	11.075	78	48255	4.09	PPB		92
45)	TERT AMYL METHYL ETHER	11.138	73	44582	4.65	PPB		95
46)	TRICHLOROETHYLENE	11.851	95	13748	4.26	PPb		97
47)	METHYLCYCLOHEXANE	12.108	83	22018	4.55	PPb		99
48)	METHYL METHACRYLATE	12.113	69	14574	4.43	PPb		94
49)	1,2-DICHLOROPROPANE	12.097	63	12988	4.28	PPb		94
50)	DIBROMOMETHANE	12.265	93	11690	5.16	PPb		98
51)	BROMODICHLOROMETHANE	12.407	83	21398	4.94	PPb		98
52)	CHLOROACETONITRILE	12.559	75	4689	24.29	PPb		85
53)	2-NITROPROPANE	12.601	41	5591	5.24	PPb		94
54)	2-CHLOROETHYL VINYL ETHER	12.664	63	49828	22.64	PPb		98
55)	cis-1,3-DICHLOROPROPENE	12.905	75	23270	4.51	PPb		97
56)	4-METHYL-2-PENTANONE	12.994	58	26057	18.19	PPb		96
57)	1,1-DICHLOROPROPANONE	13.104	43	6839	5.16	PPb		96
58)	TOLUENE	13.314	92	30641	4.12	PPb		100
59)	trans-1,3-DICHLOROPROPENE	13.503	75	24225	4.80	PPb		97
60)	ETHYL METHACRYLATE	13.513	69	18818	4.46	PPb		96
61)	1,1,2-TRICHLOROETHANE	13.733	83	12592	4.85	PPb		89
62)	1,3-DICHLOROPROPANE	13.932	76	23989	4.86	PPb		96
63)	2-HEXANONE	13.917	58	25102	17.72	PPb		98
64)	TETRACHLOROETHYLENE	13.969	166	15948	4.24	PPb		96
65)	DIBROMOCHLOROMETHANE	14.226	129	17197	4.59	PPb		98
66)	1,2-DIBROMOETHANE	14.389	107	16982	4.88	PPb		95
67)	CHLOROBENZENE	14.913	112	38186	4.41	PPb		97
68)	1,1,1,2-TETRACHLOROETHANE	14.971	131	16504	4.71	PPb		91
69)	ETHYLBENZENE	14.971	91	61355	4.19	PPb		94
70)	m,p-XYLENE	15.091	106	49260	8.61	PPb		96
71)	o-XYLENE	15.542	106	25497	4.48	PPb		96
72)	STYRENE	15.547	104	37833	4.04	PPb		99
73)	BROMOFORM	15.825	173	13404	4.73	PPb		99
74)	ISOPROPYLBENZENE	15.914	105	55375	3.69	PPb		99
75)	BROMOBENZENE	16.339	156	20635	4.82	PPb		95
76)	1,1,2,2-TETRACHLOROETHANE	16.208	83	23987	5.08	PPb		98
77)	TRANS-1,4-DICHLORO-2-B...	16.250	53	6361	4.91	PPb		94
78)	1,2,3-TRICHLOROPROPANE	16.287	110	7152	5.82	PPb	#	81
79)	n-PROPYLBENZENE	16.355	91	77146	4.36	PPb		99
80)	O-CHLOROTOLUENE	16.517	126	17859	4.74	PPb		96
81)	1,3,5-TRIMETHYLBENZENE	16.512	105	57317	4.53	PPb		97
82)	P-CHLOROTOLUENE	16.617	91	52219	4.63	PPb		100
83)	tert-BUTYLBENZENE	16.895	119	50416	4.45	PPb		96
84)	1,2,4-TRIMETHYLBENZENE	16.937	105	60784	4.63	PPb		97
85)	PENTACHLOROETHANE	16.979	167	13583	5.08	PPb		97
86)	sec-BUTYLBENZENE	17.125	105	76011	4.52	PPb		99
87)	p-ISOPROPYLTOLUENE	17.246	119	65787	4.67	PPb		97
88)	M-DICHLOROBENZENE	17.325	146	39929	4.88	PPb		99
89)	P-DICHLOROBENZENE	17.414	146	40845	4.86	PPb		97
90)	n-BUTYLBENZENE	17.692	92	33220	4.49	PPb		99
91)	O-DICHLOROBENZENE	17.833	146	40729	4.99	PPb		99
92)	HEXACHLOROETHANE	18.137	201	12888	4.96	PPb		97
93)	1,2-DIBROMO-3-CHLOROPR...	18.630	155	4711	5.19	PPb		76

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40145.d
Acq On : 5 Dec 2009 12:31 pm
Operator : mei
Sample : bs
Misc : MS89711,V1B1757,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 05 12:49:33 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

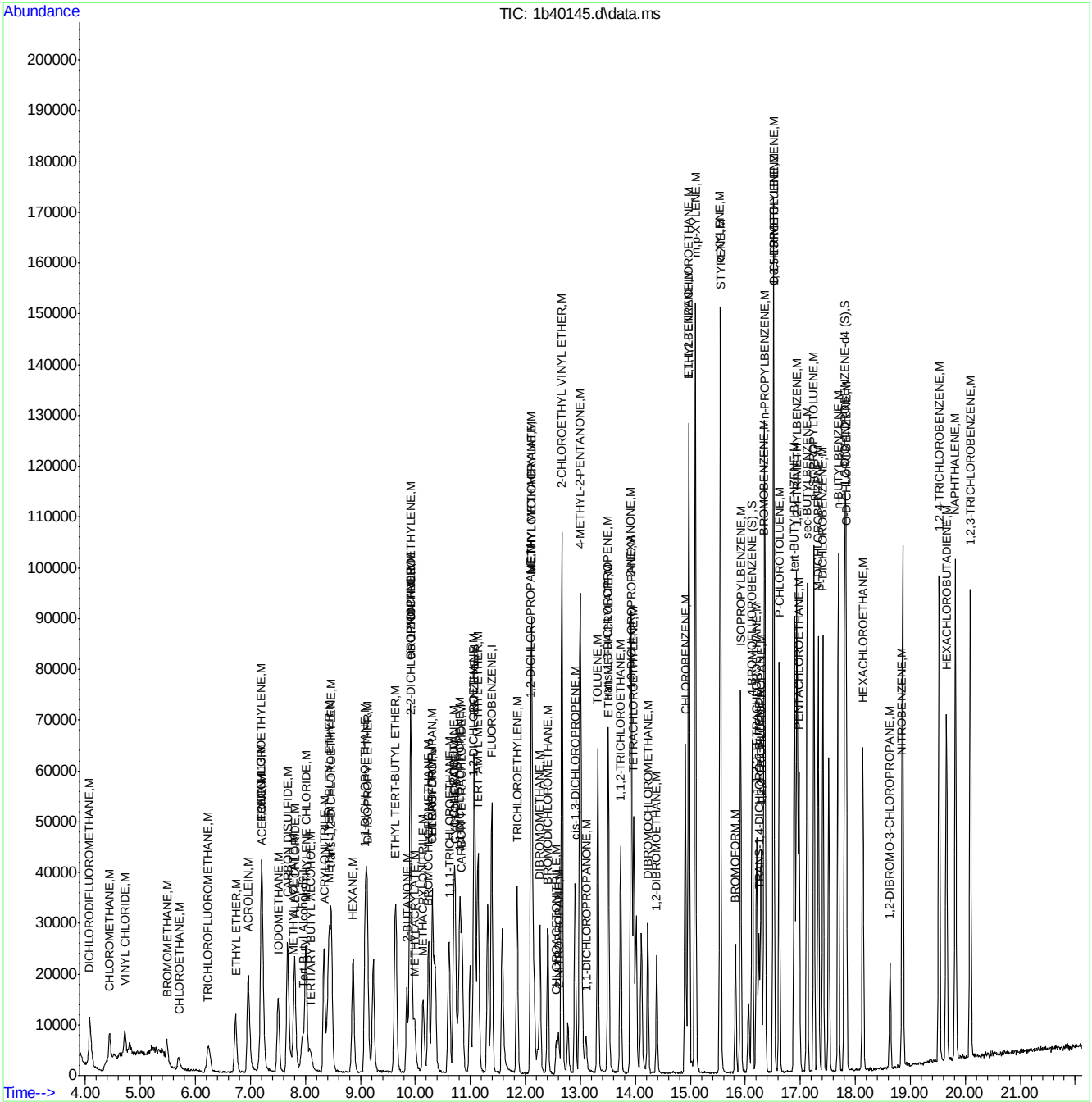
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) NITROBENZENE	18.845	77	7154	39.50	PPb	97
95) 1,2,4-TRICHLOROBENZENE	19.527	180	35642	5.25	PPb	99
96) HEXACHLOROBUTADIENE	19.658	225	18148	4.86	PPb	97
97) NAPHTHALENE	19.820	128	88855	5.46	PPb	99
98) 1,2,3-TRICHLOROBENZENE	20.093	180	35112	5.51	PPb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40145.d
Acq On : 5 Dec 2009 12:31 pm
Operator : mei
Sample : bs
Misc : MS89711,V1B1757,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 05 12:49:33 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40151.d
Acq On : 5 Dec 2009 4:15 pm
Operator : mei
Sample : ja33930-1ms
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 07 07:10:40 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.950	65	16673	50.00	PPB		0.00
3) FLUOROBENZENE	11.395	96	54985	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.129	95	22744	5.42	PPb		0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 108.40%				
5) 1,2-DICHLOROBENZENE-d4...	17.812	152	26815	5.38	PPb		0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 107.60%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.092	59	11161	30.08	PPb		97
6) DICHLORODIFLUOROMETHANE	4.081	85	8868	2.02	PPb		91
7) CHLOROMETHANE	4.437	50	8860	2.11	PPb		93
8) VINYL CHLORIDE	4.715	62	7428	2.00	PPb		90
9) BROMOMETHANE	5.486	94	5175	1.91	PPb		98
10) CHLOROETHANE	5.690	64	3559	1.87	PPb		99
11) TRICHLOROFLUOROMETHANE	6.246	101	11767	2.37	PPb		90
12) ETHYL ETHER	6.734	45	7683	4.26	PPb		82
13) ACROLEIN	6.959	56	17028	32.42	PPb		97
14) 1,1-DICHLOROETHYLENE	7.216	96	11234	4.62	PPb		96
15) FREON 113	7.206	151	11261	5.27	PPb		90
16) ACETONE	7.216	58	4918	18.28	PPb		92
17) IODOMETHANE	7.504	142	24648	4.67	PPb		91
18) CARBON DISULFIDE	7.678	76	32326	3.56	PPb		99
19) METHYL ACETATE	7.793	74	1942	4.15	PPb	#	1
20) ALLYL CHLORIDE	7.809	76	6406	4.09	PPb	#	84
21) METHYLENE CHLORIDE	8.018	84	14377	4.40	PPb		94
22) ACRYLONITRILE	8.343	53	25895	20.72	PPb		99
23) METHYL TERT BUTYL ETHER	8.432	73	44632	4.78	PPb		97
24) trans-1,2-DICHLOROETHY...	8.474	61	20016	4.92	PPb		93
25) HEXANE	8.868	57	12360	3.57	PPb		96
26) 1,1-DICHLOROETHANE	9.093	63	25330	4.95	PPb		98
27) DI-ISOPROPYL ETHER	9.130	45	41858	4.67	PPb		97
28) ETHYL TERT-BUTYL ETHER	9.644	59	44705	4.92	PPb		99
29) 2-BUTANONE	9.848	72	7354	19.77	PPb		96
30) 2,2-DICHLOROPROPANE	9.922	77	19306	4.10	PPb		94
31) cis-1,2-DICHLOROETHYLENE	9.911	61	27162	5.27	PPb		95
32) PROPIONITRILE	9.916	54	22920	46.06	PPb		93
33) METHYLACRYLATE	9.990	55	12168	4.17	PPb		100
34) METHACRYLONITRILE	10.147	41	9341	4.22	PPb		94
35) BROMOCHLOROMETHANE	10.241	128	8032	4.70	PPb		96
36) CHLOROFORM	10.310	83	28744	5.25	PPb		95
37) TETRAHYDROFURAN	10.310	42	4626	3.72	PPb		88
38) 1,1,1-TRICHLOROETHANE	10.614	97	26591	5.46	PPb		96
39) CYCLOHEXANE	10.724	84	17703	4.46	PPb	#	100
40) 1-CHLOROBUTANE	10.713	56	46470	4.60	PPb		97
41) 1,1-DICHLOROPROPENE	10.813	75	19748	4.95	PPb		98
42) CARBON TETRACHLORIDE	10.855	117	24565	5.58	PPb		99
43) 1,2-DICHLOROETHANE	11.065	62	25122	5.64	PPb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40151.d
Acq On : 5 Dec 2009 4:15 pm
Operator : mei
Sample : ja33930-1ms
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 07 07:10:40 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	BENZENE	11.085	78	52329	4.59	PPB		98
45)	TERT AMYL METHYL ETHER	11.143	73	44518	4.81	PPB		95
46)	TRICHLOROETHYLENE	11.851	95	17336	5.56	PPb		93
47)	METHYLCYCLOHEXANE	12.118	83	21503	4.60	PPb		99
48)	METHYL METHACRYLATE	12.124	69	13584	4.27	PPb		91
49)	1,2-DICHLOROPROPANE	12.108	63	13608	4.65	PPb		92
50)	DIBROMOMETHANE	12.270	93	10982	5.01	PPb		98
51)	BROMODICHLOROMETHANE	12.412	83	20806	4.97	PPb		96
52)	CHLOROACETONITRILE	12.564	75	5211	27.94	PPb		88
53)	2-NITROPROPANE	12.606	41	5254	5.10	PPb		94
55)	cis-1,3-DICHLOROPROPENE	12.910	75	20480	4.11	PPb		96
56)	4-METHYL-2-PENTANONE	12.999	58	24856	17.96	PPb		99
57)	1,1-DICHLOROPROPANONE	13.109	43	6335	4.95	PPb		99
58)	TOLUENE	13.319	92	33313	4.63	PPb		98
59)	trans-1,3-DICHLOROPROPENE	13.508	75	22140	4.54	PPb		97
60)	ETHYL METHACRYLATE	13.518	69	16095	3.95	PPb		95
61)	1,1,2-TRICHLOROETHANE	13.733	83	11842	4.72	PPb		95
62)	1,3-DICHLOROPROPANE	13.932	76	23579	4.95	PPb		87
63)	2-HEXANONE	13.922	58	24093	17.60	PPb		98
64)	TETRACHLOROETHYLENE	13.980	166	106308	29.25	PPb		97
65)	DIBROMOCHLOROMETHANE	14.231	129	16755	4.63	PPb		98
66)	1,2-DIBROMOETHANE	14.394	107	15978	4.75	PPb		99
67)	CHLOROBENZENE	14.918	112	39534	4.72	PPb		92
68)	1,1,1,2-TETRACHLOROETHANE	14.971	131	16357	4.84	PPb		96
69)	ETHYLBENZENE	14.981	91	66567	4.71	PPb		97
70)	m,p-XYLENE	15.096	106	50722	9.17	PPb		98
71)	o-XYLENE	15.547	106	24681	4.49	PPb		88
72)	STYRENE	15.553	104	34000	3.76	PPb		97
73)	BROMOFORM	15.825	173	11103	4.05	PPb		97
74)	ISOPROPYLBENZENE	15.914	105	66707	4.61	PPb		99
75)	BROMOBENZENE	16.344	156	19689	4.76	PPb		97
76)	1,1,2,2-TETRACHLOROETHANE	16.213	83	21752	4.77	PPb		95
77)	TRANS-1,4-DICHLORO-2-B...	16.255	53	4204	3.36	PPb		88
78)	1,2,3-TRICHLOROPROPANE	16.292	110	5984	5.04	PPb	#	74
79)	n-PROPYLBENZENE	16.360	91	80166	4.69	PPb		99
80)	O-CHLOROTOLUENE	16.517	126	17471	4.80	PPb		96
81)	1,3,5-TRIMETHYLBENZENE	16.517	105	57172	4.67	PPb		98
82)	P-CHLOROTOLUENE	16.617	91	52391	4.81	PPb		98
83)	tert-BUTYLBENZENE	16.895	119	52834	4.82	PPb		96
84)	1,2,4-TRIMETHYLBENZENE	16.942	105	57320	4.52	PPb		97
85)	PENTACHLOROETHANE	16.979	167	12953	5.01	PPb		96
86)	sec-BUTYLBENZENE	17.125	105	76317	4.70	PPb		97
87)	p-ISOPROPYLTOLUENE	17.251	119	63019	4.63	PPb		96
88)	M-DICHLOROBENZENE	17.330	146	38376	4.86	PPb		97
89)	P-DICHLOROBENZENE	17.414	146	38777	4.78	PPb		96
90)	n-BUTYLBENZENE	17.692	92	32273	4.52	PPb		97
91)	O-DICHLOROBENZENE	17.833	146	38278	4.85	PPb		95
92)	HEXACHLOROETHANE	18.137	201	11858	4.72	PPb		91
93)	1,2-DIBROMO-3-CHLOROPR...	18.635	155	4183	4.77	PPb		92
94)	NITROBENZENE	18.845	77	6595	37.69	PPb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40151.d
Acq On : 5 Dec 2009 4:15 pm
Operator : mei
Sample : ja33930-1ms
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 07 07:10:40 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

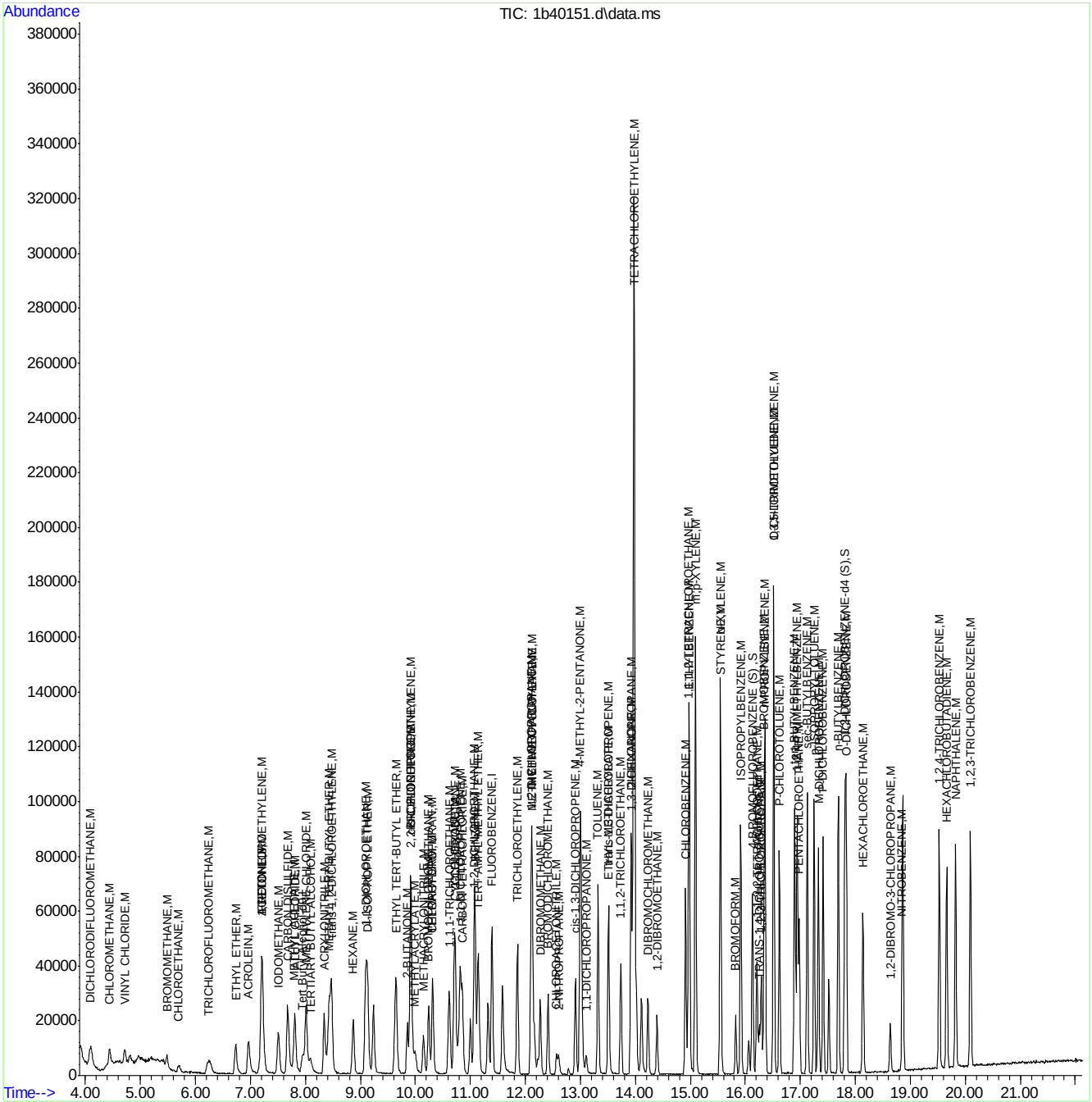
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95)	1,2,4-TRICHLOROBENZENE	19.527	180	31495	4.80	PPb	98
96)	HEXACHLOROBUTADIENE	19.663	225	19190	5.32	PPb	91
97)	NAPHTHALENE	19.826	128	73451	4.67	PPb	99
98)	1,2,3-TRICHLOROBENZENE	20.093	180	31806	5.17	PPb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40151.d
Acq On : 5 Dec 2009 4:15 pm
Operator : mei
Sample : ja33930-1ms
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 07 07:10:40 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40152.d
Acq On : 5 Dec 2009 4:52 pm
Operator : mei
Sample : ja33930-1msd
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 07 07:10:48 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.945	65	17508	50.00	PPB		-0.01
3) FLUOROBENZENE	11.390	96	57476	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.124	95	23871	5.44	PPb		0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 108.80%				
5) 1,2-DICHLOROBENZENE-d4...	17.812	152	28594	5.49	PPb		0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 109.80%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.086	59	11320	29.05	PPb		94
6) DICHLORODIFLUOROMETHANE	4.091	85	7195	1.57	PPb		92
7) CHLOROMETHANE	4.443	50	7218	1.64	PPb		95
8) VINYL CHLORIDE	4.710	62	6178	1.59	PPb		89
9) BROMOMETHANE	5.481	94	4362	1.54	PPb		92
10) CHLOROETHANE	5.701	64	2969	1.49	PPb		86
11) TRICHLOROFLUOROMETHANE	6.236	101	9218	1.78	PPb		97
12) ETHYL ETHER	6.729	45	7958	4.22	PPb		93
13) ACROLEIN	6.964	56	18510	33.72	PPb		91
14) 1,1-DICHLOROETHYLENE	7.216	96	10535	4.14	PPb		94
15) FREON 113	7.211	151	11596	5.19	PPb		96
16) ACETONE	7.211	58	5096	18.12	PPb		100
17) IODOMETHANE	7.505	142	24345	4.41	PPb		96
18) CARBON DISULFIDE	7.683	76	32072	3.38	PPb		99
19) METHYL ACETATE	7.782	74	2048	4.19	PPb	#	1
20) ALLYL CHLORIDE	7.809	76	6111	3.73	PPb	#	84
21) METHYLENE CHLORIDE	8.013	84	14281	4.18	PPb		95
22) ACRYLONITRILE	8.338	53	26841	20.55	PPb		96
23) METHYL TERT BUTYL ETHER	8.433	73	45124	4.63	PPb		97
24) trans-1,2-DICHLOROETHY...	8.474	61	19727	4.64	PPb		92
25) HEXANE	8.868	57	12259	3.39	PPb		98
26) 1,1-DICHLOROETHANE	9.093	63	24075	4.50	PPb		91
27) DI-ISOPROPYL ETHER	9.130	45	45202	4.83	PPb		99
28) ETHYL TERT-BUTYL ETHER	9.644	59	47157	4.97	PPb		96
29) 2-BUTANONE	9.848	72	7199	18.51	PPb		92
30) 2,2-DICHLOROPROPANE	9.932	77	17983	3.65	PPb		97
31) cis-1,2-DICHLOROETHYLENE	9.911	61	26843	4.98	PPb		94
32) PROPIONITRILE	9.916	54	23949	46.05	PPb		97
33) METHYLACRYLATE	9.995	55	11781	3.86	PPb		92
34) METHACRYLONITRILE	10.147	41	9502	4.11	PPb		96
35) BROMOCHLOROMETHANE	10.247	128	8074	4.52	PPb		99
36) CHLOROFORM	10.315	83	28048	4.90	PPb		95
37) TETRAHYDROFURAN	10.320	42	4797	3.69	PPb		91
38) 1,1,1-TRICHLOROETHANE	10.614	97	25939	5.09	PPb		95
39) CYCLOHEXANE	10.724	84	16350	3.94	PPb	#	100
40) 1-CHLOROBUTANE	10.708	56	45606	4.32	PPb		93
41) 1,1-DICHLOROPROPENE	10.813	75	18905	4.53	PPb		96
42) CARBON TETRACHLORIDE	10.855	117	23220	5.05	PPb		99
43) 1,2-DICHLOROETHANE	11.065	62	24463	5.25	PPb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40152.d
Acq On : 5 Dec 2009 4:52 pm
Operator : mei
Sample : ja33930-1msd
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 07 07:10:48 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	BENZENE	11.080	78	51603	4.33	PPb		97
45)	TERT AMYL METHYL ETHER	11.143	73	46500	4.81	PPB		95
46)	TRICHLOROETHYLENE	11.851	95	17499	5.36	PPb		97
47)	METHYLCYCLOHEXANE	12.118	83	22045	4.51	PPb	#	37
48)	METHYL METHACRYLATE	12.124	69	14069	4.23	PPb		88
49)	1,2-DICHLOROPROPANE	12.108	63	13553	4.43	PPb		88
50)	DIBROMOMETHANE	12.270	93	11506	5.03	PPb		95
51)	BROMODICHLOROMETHANE	12.417	83	21085	4.82	PPb		97
52)	CHLOROACETONITRILE	12.575	75	4805	24.65	PPb		88
53)	2-NITROPROPANE	12.606	41	5141	4.78	PPb		88
55)	cis-1,3-DICHLOROPROPENE	12.915	75	20573	3.95	PPb		98
56)	4-METHYL-2-PENTANONE	12.999	58	25774	17.82	PPb		96
57)	1,1-DICHLOROPROPANONE	13.109	43	6327	4.73	PPb		95
58)	TOLUENE	13.319	92	32516	4.33	PPb		99
59)	trans-1,3-DICHLOROPROPENE	13.508	75	21963	4.31	PPb		98
60)	ETHYL METHACRYLATE	13.513	69	17011	3.99	PPb		98
61)	1,1,2-TRICHLOROETHANE	13.733	83	11848	4.52	PPb		94
62)	1,3-DICHLOROPROPANE	13.938	76	23098	4.64	PPb		92
63)	2-HEXANONE	13.922	58	24932	17.42	PPb		99
64)	TETRACHLOROETHYLENE	13.980	166	103956	27.36	PPb		96
65)	DIBROMOCHLOROMETHANE	14.231	129	16465	4.35	PPb		95
66)	1,2-DIBROMOETHANE	14.394	107	16130	4.59	PPb		98
67)	CHLOROBENZENE	14.913	112	39549	4.52	PPb		97
68)	1,1,1,2-TETRACHLOROETHANE	14.976	131	16563	4.68	PPb		90
69)	ETHYLBENZENE	14.981	91	64456	4.36	PPb		97
70)	m,p-XYLENE	15.096	106	50337	8.71	PPb		97
71)	o-XYLENE	15.547	106	24264	4.22	PPb		87
72)	STYRENE	15.553	104	35263	3.73	PPb		96
73)	BROMOFORM	15.825	173	11106	3.88	PPb		92
74)	ISOPROPYLBENZENE	15.920	105	65322	4.32	PPb		99
75)	BROMOBENZENE	16.350	156	19555	4.52	PPb		94
76)	1,1,2,2-TETRACHLOROETHANE	16.208	83	21799	4.57	PPb		96
77)	TRANS-1,4-DICHLORO-2-B...	16.250	53	4263	3.26	PPb		96
78)	1,2,3-TRICHLOROPROPANE	16.292	110	6205	5.00	PPb		94
79)	n-PROPYLBENZENE	16.360	91	78221	4.38	PPb		100
80)	O-CHLOROTOLUENE	16.517	126	16848	4.43	PPb		99
81)	1,3,5-TRIMETHYLBENZENE	16.517	105	55113	4.31	PPb		96
82)	P-CHLOROTOLUENE	16.617	91	50956	4.47	PPb		97
83)	tert-BUTYLBENZENE	16.895	119	49492	4.32	PPb		92
84)	1,2,4-TRIMETHYLBENZENE	16.942	105	56431	4.26	PPb		92
85)	PENTACHLOROETHANE	16.979	167	12519	4.63	PPb		93
86)	sec-BUTYLBENZENE	17.131	105	74629	4.40	PPb		96
87)	p-ISOPROPYLTOLUENE	17.251	119	61526	4.33	PPb		97
88)	M-DICHLOROBENZENE	17.330	146	37385	4.53	PPb		97
89)	P-DICHLOROBENZENE	17.414	146	38052	4.49	PPb		97
90)	n-BUTYLBENZENE	17.692	92	31098	4.16	PPb		97
91)	O-DICHLOROBENZENE	17.833	146	37261	4.52	PPb		98
92)	HEXACHLOROETHANE	18.143	201	11044	4.21	PPb		93
93)	1,2-DIBROMO-3-CHLOROPR...	18.635	155	4215	4.60	PPb		88
94)	NITROBENZENE	18.845	77	6447	35.25	PPb		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40152.d
Acq On : 5 Dec 2009 4:52 pm
Operator : mei
Sample : ja33930-1msd
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 07 07:10:48 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

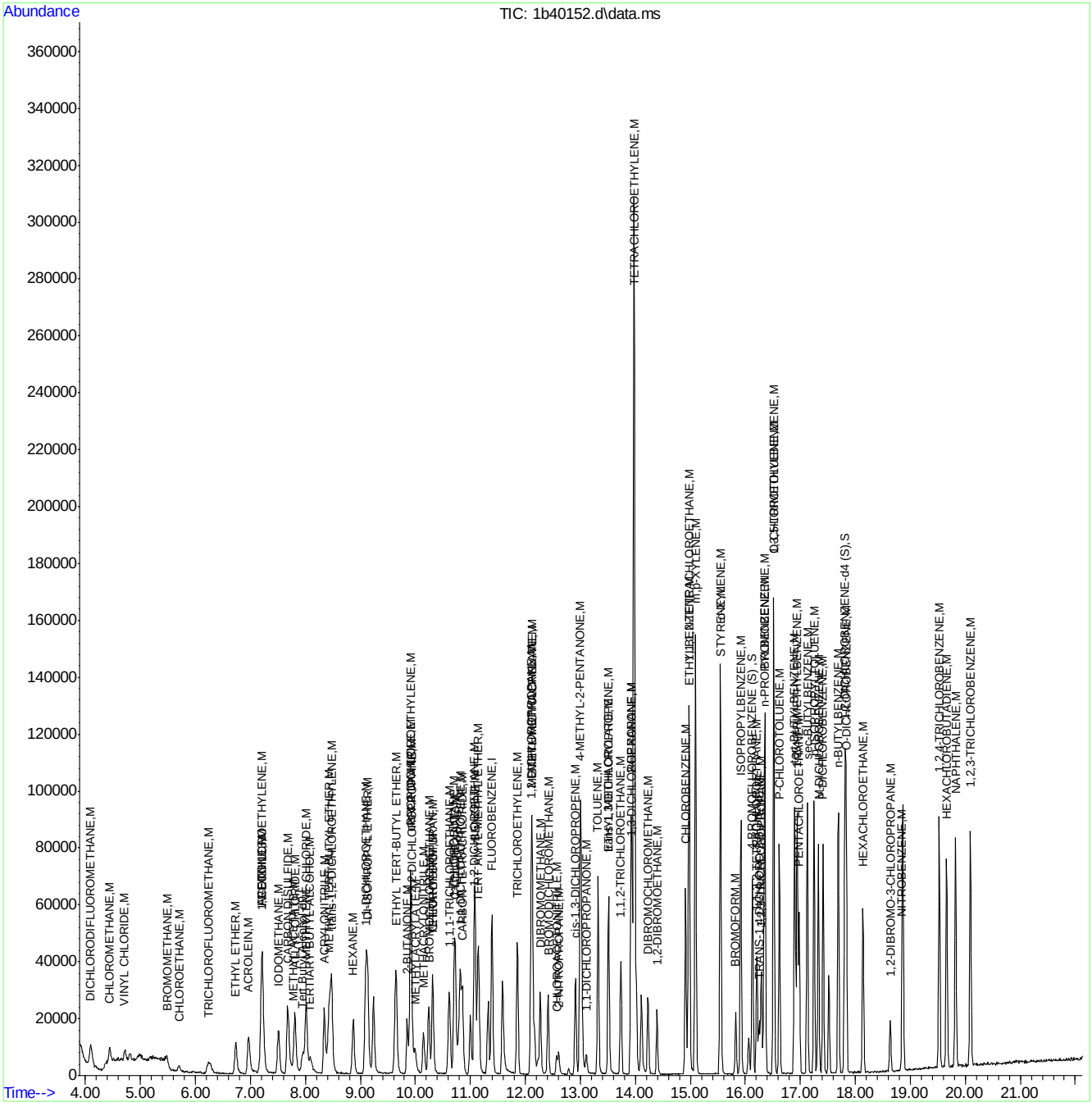
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) 1,2,4-TRICHLOROBENZENE	19.527	180	31126	4.54	PPb	97
96) HEXACHLOROBUTADIENE	19.663	225	19029	5.05	PPb	98
97) NAPHTHALENE	19.826	128	74793	4.55	PPb	98
98) 1,2,3-TRICHLOROBENZENE	20.093	180	31485	4.89	PPb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40152.d
Acq On : 5 Dec 2009 4:52 pm
Operator : mei
Sample : ja33930-1msd
Misc : MS89650,V1B1757,W,,,,1
ALS Vial : 11 Sample Multiplier: 1

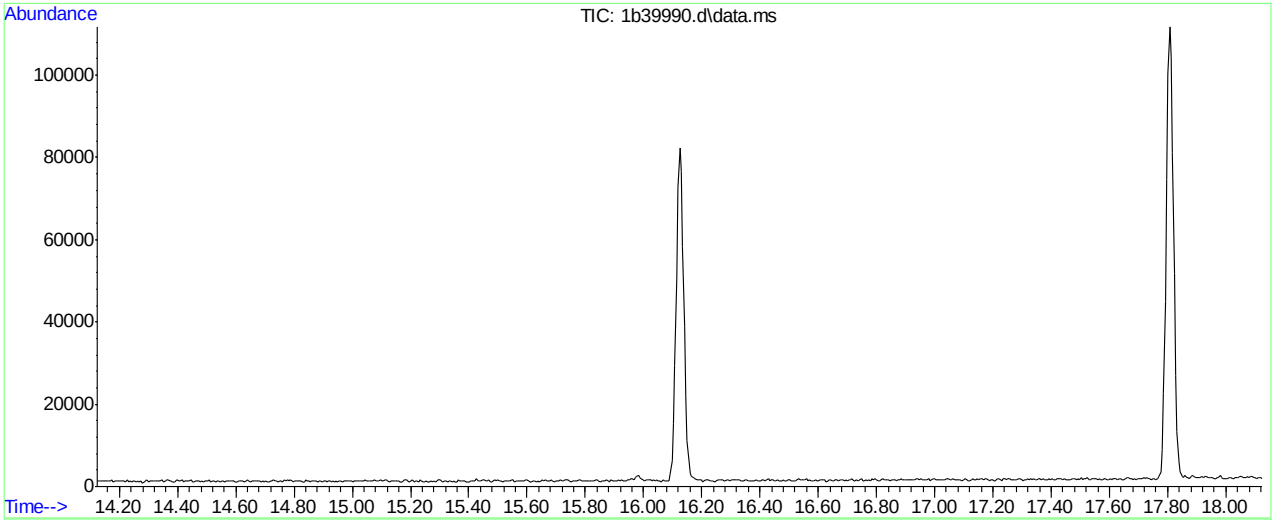
Quant Time: Dec 07 07:10:48 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration



BFB

Data File : C:\msdchem\1\DATA\1B-CORE\1b39990.d Vial: 1
Acq On : 1 Dec 2009 8:58 am Operator: mei
Sample : bfb Inst : MS1B
Misc : MS89300,V1B1749,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M1B1749.M (RTE Integrator)
Title : method 524, zb624 60mx0.25mmx1.4um



AutoFind: Scans 2333, 2334, 2335; Background Corrected with Scan 2325

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	2917	PASS
75	95	30	80	48.9	7564	PASS
95	95	100	100	100.0	15472	PASS
96	95	5	9	6.7	1031	PASS
173	174	0.00	2	0.3	41	PASS
174	95	50	120	93.0	14393	PASS
175	174	5	9	7.2	1040	PASS
176	174	95	101	95.6	13764	PASS
177	176	5	9	6.5	897	PASS

1b39990.d M1B1749.M Wed Dec 02 07:22:44 2009 VOA-CLN-02

Average of 16.119 to 16.129 min.: 1b39990.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	141	50.10	2917	70.00	93	87.00	760
37.05	656	51.05	900	73.10	705	88.00	655
38.05	663	55.00	35	74.05	2274	92.05	440
39.05	288	56.05	223	75.10	7564	93.00	714
41.10	41	57.05	433	76.05	632	94.05	1615
43.05	28	60.00	158	77.00	88	95.10	15472
44.10	57	61.10	622	78.10	38	96.05	1031
45.05	144	62.00	630	78.95	363	106.00	29
47.10	193	63.05	488	80.05	105	116.95	105
47.95	108	68.05	1407	80.95	403	118.00	28
49.10	601	69.05	1432	82.00	46	128.00	37

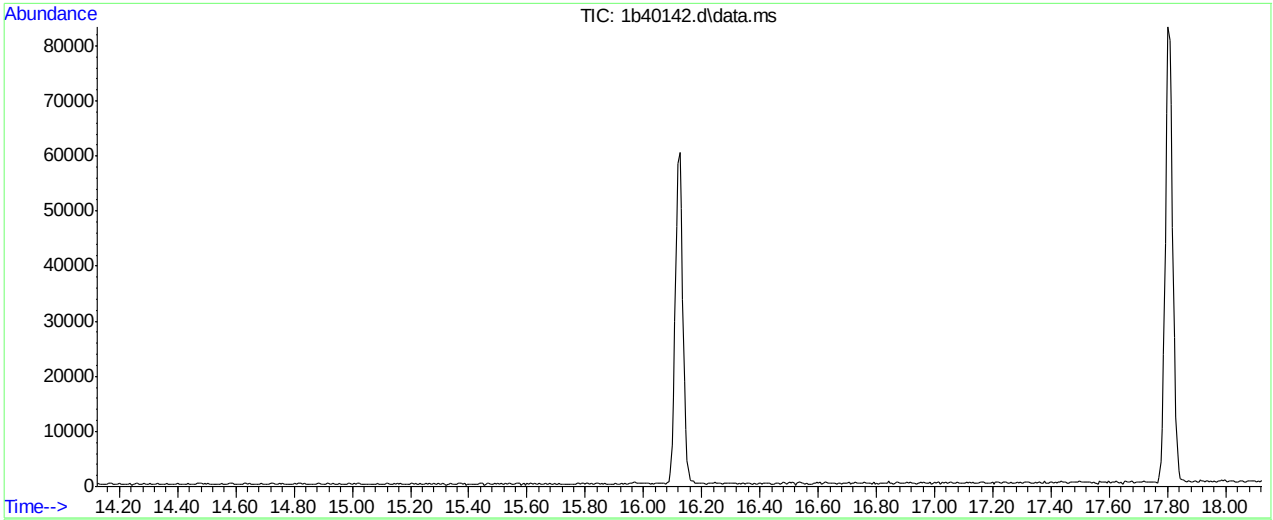
Average of 16.119 to 16.129 min.: 1b39990.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
140.85	81						
142.95	108						
172.80	29						
173.00	41						
174.00	14393						
174.95	1040						
176.00	13764						
177.00	897						
207.05	92						

BFB

Data File : C:\msdchem\1\DATA\1B-CORE\1b40142.d Vial: 1
Acq On : 5 Dec 2009 9:29 am Operator: mei
Sample : bfb Inst : MS1B
Misc : MS89711,V1B1757,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M1B1749.M (RTE Integrator)
Title : method 524, zb624 60mx0.25mmx1.4um



AutoFind: Scans 2333, 2334, 2335; Background Corrected with Scan 2324

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.5	2120	PASS
75	95	30	80	50.4	5465	PASS
95	95	100	100	100.0	10852	PASS
96	95	5	9	7.6	824	PASS
173	174	0.00	2	0.3	30	PASS
174	95	50	120	95.1	10317	PASS
175	174	5	9	8.0	828	PASS
176	174	95	101	98.7	10183	PASS
177	176	5	9	6.7	681	PASS

1b40142.d M1B1749.M Mon Dec 07 11:09:32 2009 VOA-CLN-02

Average of 16.119 to 16.129 min.: 1b40142.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	101	57.10	300	76.05	502	95.10	10852
37.10	567	59.95	96	78.10	33	96.00	824
38.05	551	61.00	606	78.95	337	116.90	79
39.05	222	62.05	487	79.95	117	117.10	33
44.10	4	63.05	387	80.95	411	127.90	27
45.10	92	68.05	1174	81.85	66	129.90	31
47.05	98	69.05	1221	86.95	415	140.95	162
49.05	526	70.05	115	88.00	430	142.95	125
50.10	2120	73.05	548	92.05	282	173.00	30
51.10	673	74.05	1849	93.00	587	174.00	10317
55.95	157	75.05	5465	94.05	1282	175.00	828

Average of 16.119 to 16.129 min.: 1b40142.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
176.00	10183						
176.90	681						

Manual Integrations APPROVED
(compounds with "m" flag)
Mei Chen
12/02/09 07:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39991.d
Acq On : 1 Dec 2009 9:35 am
Operator : mei
Sample : ic1749-0.5
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 01 11:16:53 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.945	65	22357	50.00	PPB		#-0.02
3) FLUOROBENZENE	11.384	96	66271	5.00	PPb		-0.02
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.124	95	24816	4.58	PPb		-0.01
Spiked Amount 5.000	Range 77 - 115		Recovery = 91.60%				
5) 1,2-DICHLOROBENZENE-d4...	17.807	152	30209	4.69	PPb		-0.01
Spiked Amount 5.000	Range 78 - 114		Recovery = 93.80%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.086	59	1244m	2.50	PPb		
6) DICHLORODIFLUOROMETHANE	4.086	85	2212	0.49	PPb		88
7) CHLOROMETHANE	4.427	50	2802	0.73	PPb		99
8) VINYL CHLORIDE	4.705	62	2154	0.63	PPb		89
9) BROMOMETHANE	5.481	94	1947	0.74	PPb		94
10) CHLOROETHANE	5.706	64	1098	0.56	PPb	#	41
11) TRICHLOROFLUOROMETHANE	6.236	101	2642	0.44	PPb		98
12) ETHYL ETHER	6.728	45	1079	0.45	PPb		80
13) ACROLEIN	6.975	56	3025	4.68	PPb		83
14) 1,1-DICHLOROETHYLENE	7.206	96	1449	0.50	PPb		75
15) FREON 113	7.185	151	941	0.37	PPb	#	80
16) ACETONE	7.227	58	479	1.45	PPb		79
17) IODOMETHANE	7.499	142	3232	0.50	PPb		96
18) CARBON DISULFIDE	7.672	76	5249	0.47	PPb		87
20) ALLYL CHLORIDE	7.814	76	909	0.48	PPb	#	36
21) METHYLENE CHLORIDE	8.008	84	2406	0.62	PPb		81
22) ACRYLONITRILE	8.354	53	3509	2.21	PPb		97
23) METHYL TERT BUTYL ETHER	8.438	73	5976	0.48	PPb		93
24) trans-1,2-DICHLOROETHY...	8.474	61	2327	0.44	PPb		90
25) HEXANE	8.862	57	1623	0.36	PPb		91
26) 1,1-DICHLOROETHANE	9.083	63	3156	0.48	PPb		92
27) DI-ISOPROPYL ETHER	9.119	45	5011	0.41	PPb		94
28) ETHYL TERT-BUTYL ETHER	9.638	59	4990	0.41	PPb		95
29) 2-BUTANONE	9.880	72	689	1.45	PPb	#	37
30) 2,2-DICHLOROPROPANE	9.911	77	3032	0.48	PPb		86
31) cis-1,2-DICHLOROETHYLENE	9.911	61	3015	0.44	PPb		90
32) PROPIONITRILE	9.921	54	2961	4.65	PPb		90
33) METHYLACRYLATE	10.026	55	1761	0.45	PPb		57
34) METHACRYLONITRILE	10.157	41	1395	0.43	PPb		71
35) BROMOCHLOROMETHANE	10.247	128	963	0.46	PPb		92
36) CHLOROFORM	10.315	83	3330	0.45	PPb		99
37) TETRAHYDROFURAN	10.309	42	1051	0.54	PPb	#	46
38) 1,1,1-TRICHLOROETHANE	10.619	97	2738	0.41	PPb		88
39) CYCLOHEXANE	10.729	84	2068	0.42	PPb	#	100
40) 1-CHLOROBUTANE	10.713	56	5615	0.42	PPb		83
41) 1,1-DICHLOROPROPENE	10.808	75	2253	0.43	PPb		90
42) CARBON TETRACHLORIDE	10.839	117	2388	0.40	PPb		89
43) 1,2-DICHLOROETHANE	11.070	62	2577	0.39	PPb		97
44) BENZENE	11.080	78	7113	0.51	PPb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39991.d
Acq On : 1 Dec 2009 9:35 am
Operator : mei
Sample : ic1749-0.5
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 01 11:16:53 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	TERT AMYL METHYL ETHER	11.138	73	5426	0.44	PPB		97
46)	TRICHLOROETHYLENE	11.851	95	1871	0.48	PPb		96
47)	METHYLCYCLOHEXANE	12.118	83	2291	0.39	PPb	#	72
48)	METHYL METHACRYLATE	12.124	69	1619	0.39	PPb	#	50
49)	1,2-DICHLOROPROPANE	12.103	63	1660	0.45	PPb		92
50)	DIBROMOMETHANE	12.265	93	1321	0.48	PPb		81
51)	BROMODICHLOROMETHANE	12.412	83	2369	0.42	PPb		89
52)	CHLOROACETONITRILE	12.580	75	379	1.62	PPb	#	75
53)	2-NITROPROPANE	12.606	41	784	0.47	PPb	#	17
54)	2-CHLOROETHYL VINYL ETHER	12.669	63	5539	1.93	PPb		96
55)	cis-1,3-DICHLOROPROPENE	12.910	75	2889	0.45	PPb		93
56)	4-METHYL-2-PENTANONE	12.999	58	3337	1.84	PPb		94
57)	1,1-DICHLOROPROPANONE	13.109	43	772	0.41	PPb		80
58)	TOLUENE	13.314	92	4233	0.47	PPb		86
59)	trans-1,3-DICHLOROPROPENE	13.502	75	2729	0.40	PPb		88
60)	ETHYL METHACRYLATE	13.523	69	2421	0.45	PPb		77
61)	1,1,2-TRICHLOROETHANE	13.728	83	1468	0.47	PPb		91
62)	1,3-DICHLOROPROPANE	13.932	76	2951	0.47	PPb		90
63)	2-HEXANONE	13.922	58	3259	1.82	PPb		94
64)	TETRACHLOROETHYLENE	13.974	166	2184	0.48	PPb		90
65)	DIBROMOCHLOROMETHANE	14.226	129	2063	0.42	PPb		89
66)	1,2-DIBROMOETHANE	14.389	107	2060	0.48	PPb		96
67)	CHLOROBENZENE	14.902	112	4976	0.46	PPb		92
68)	1,1,1,2-TETRACHLOROETHANE	14.970	131	2204	0.50	PPb		97
69)	ETHYLBENZENE	14.976	91	8331	0.46	PPb		94
70)	m,p-XYLENE	15.086	106	6531	0.90	PPb		95
71)	o-XYLENE	15.537	106	3261	0.45	PPb		97
72)	STYRENE	15.547	104	5257	0.44	PPb		94
73)	BROMOFORM	15.815	173	1642	0.43	PPb		96
74)	ISOPROPYLBENZENE	15.914	105	8820	0.48	PPb		93
75)	BROMOBENZENE	16.344	156	2543	0.48	PPb		97
76)	1,1,2,2-TETRACHLOROETHANE	16.208	83	2977	0.51	PPb		99
77)	TRANS-1,4-DICHLORO-2-B...	16.250	53	855	0.47	PPb		92
78)	1,2,3-TRICHLOROPROPANE	16.292	110	742	0.45	PPb		91
79)	n-PROPYLBENZENE	16.349	91	10471	0.48	PPb		95
80)	O-CHLOROTOLUENE	16.512	126	2265	0.47	PPb		98
81)	1,3,5-TRIMETHYLBENZENE	16.512	105	7438	0.47	PPb		96
82)	P-CHLOROTOLUENE	16.617	91	6722	0.47	PPb		98
83)	tert-BUTYLBENZENE	16.895	119	6712	0.46	PPb		92
84)	1,2,4-TRIMETHYLBENZENE	16.937	105	7944	0.49	PPb		86
85)	PENTACHLOROETHANE	16.973	167	1613	0.48	PPb		91
86)	sec-BUTYLBENZENE	17.120	105	9835	0.47	PPb		99
87)	p-ISOPROPYLTOLUENE	17.246	119	8217	0.47	PPb		96
88)	M-DICHLOROBENZENE	17.330	146	5148	0.51	PPb		88
89)	P-DICHLOROBENZENE	17.409	146	5376	0.51	PPb		96
90)	n-BUTYLBENZENE	17.692	92	4362	0.47	PPb		92
91)	O-DICHLOROBENZENE	17.833	146	5301	0.52	PPb		90
92)	HEXACHLOROETHANE	18.137	201	1490	0.47	PPb		91
93)	1,2-DIBROMO-3-CHLOROPR...	18.635	155	528	0.43	PPb	#	76
94)	NITROBENZENE	18.850	77	908	3.37	PPb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39991.d
Acq On : 1 Dec 2009 9:35 am
Operator : mei
Sample : ic1749-0.5
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 01 11:16:53 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration

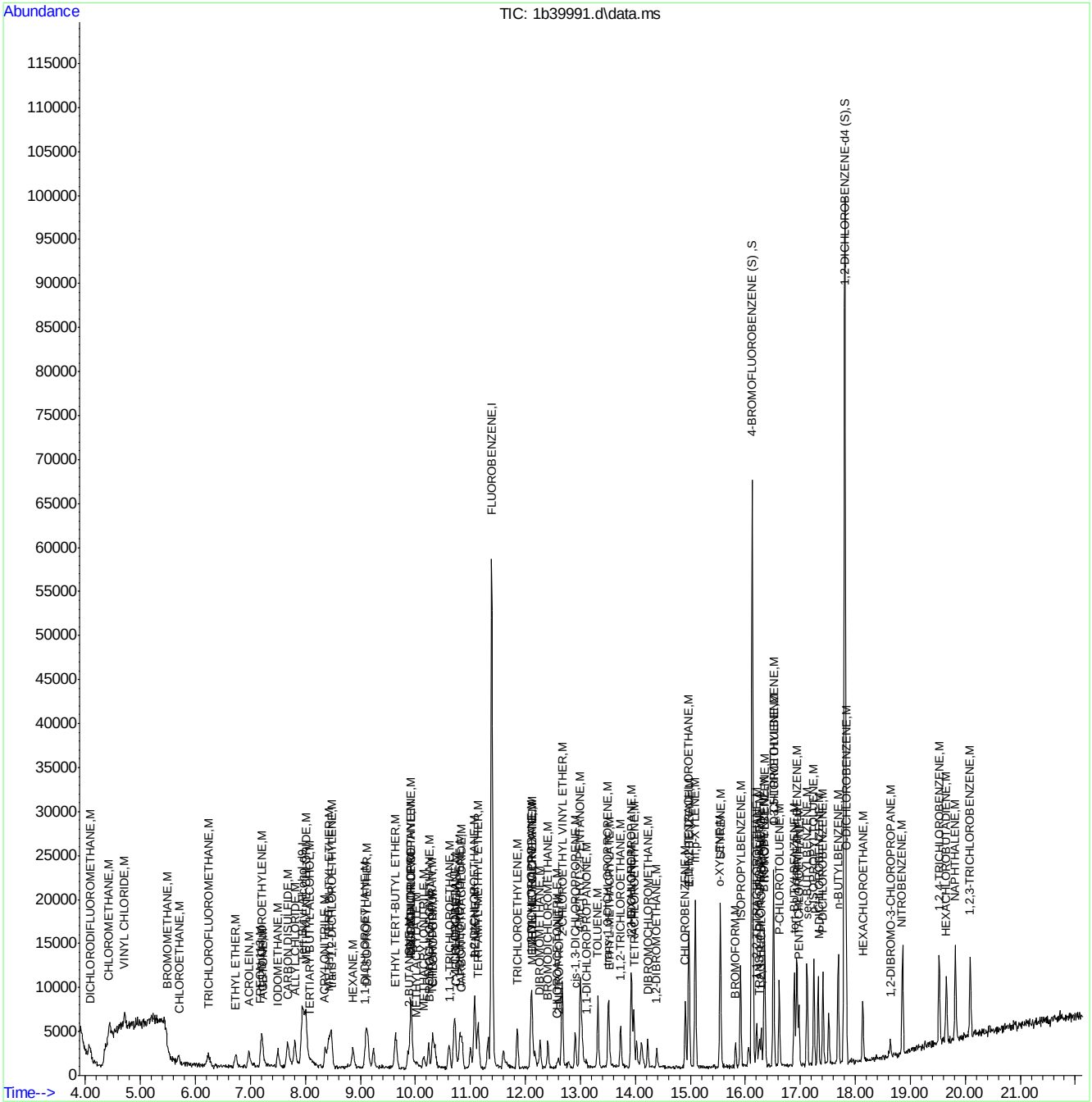
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) 1,2,4-TRICHLOROBENZENE	19.521	180	4128	0.48	PPb	91
96) HEXACHLOROBUTADIENE	19.653	225	2141	0.46	PPb	90
97) NAPHTHALENE	19.820	128	10014	0.48	PPb	99
98) 1,2,3-TRICHLOROBENZENE	20.088	180	3842	0.47	PPb	90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39991.d
Acq On : 1 Dec 2009 9:35 am
Operator : mei
Sample : ic1749-0.5
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

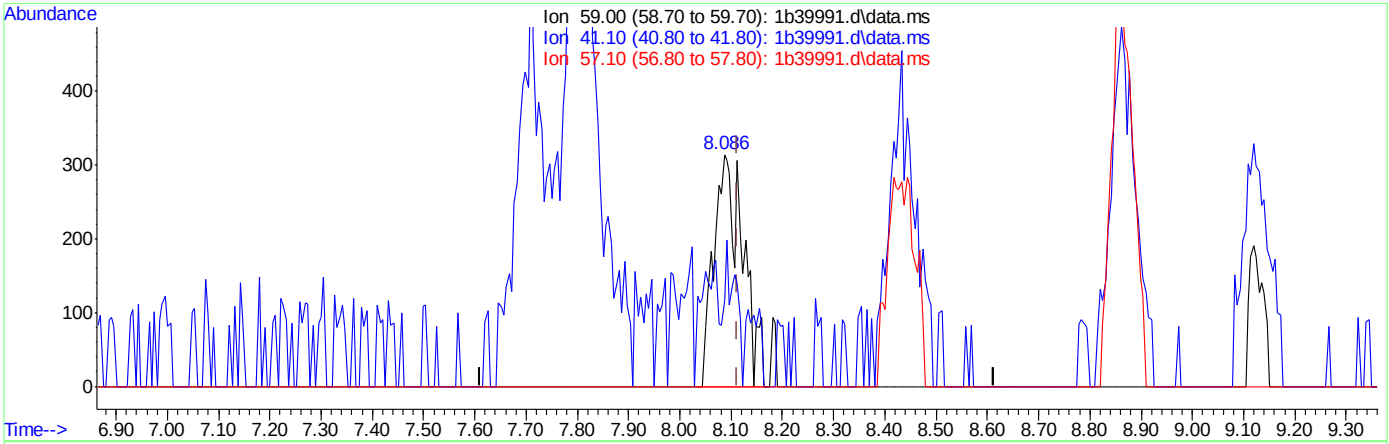
Quant Time: Dec 01 11:16:53 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration

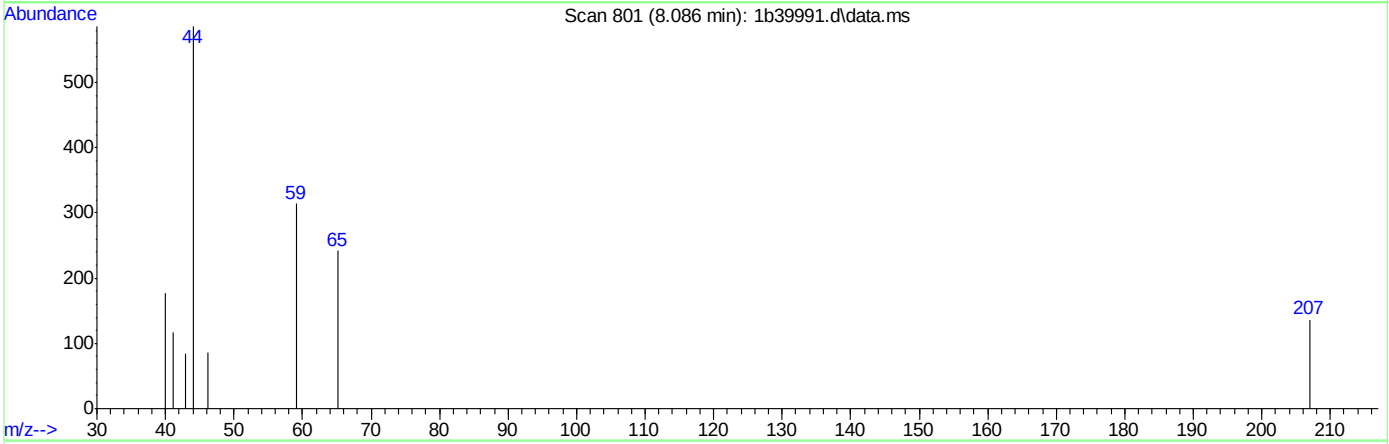


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39991.d
Acq On : 1 Dec 2009 9:35 am
Operator : mei
Sample : ic1749-0.5
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 01 11:16:53 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration





TIC: 1b39991.d\data.ms

(2) TERTIARY BUTYL ALCOHOL (M)

8.086min (-0.026) 2.50PPb m

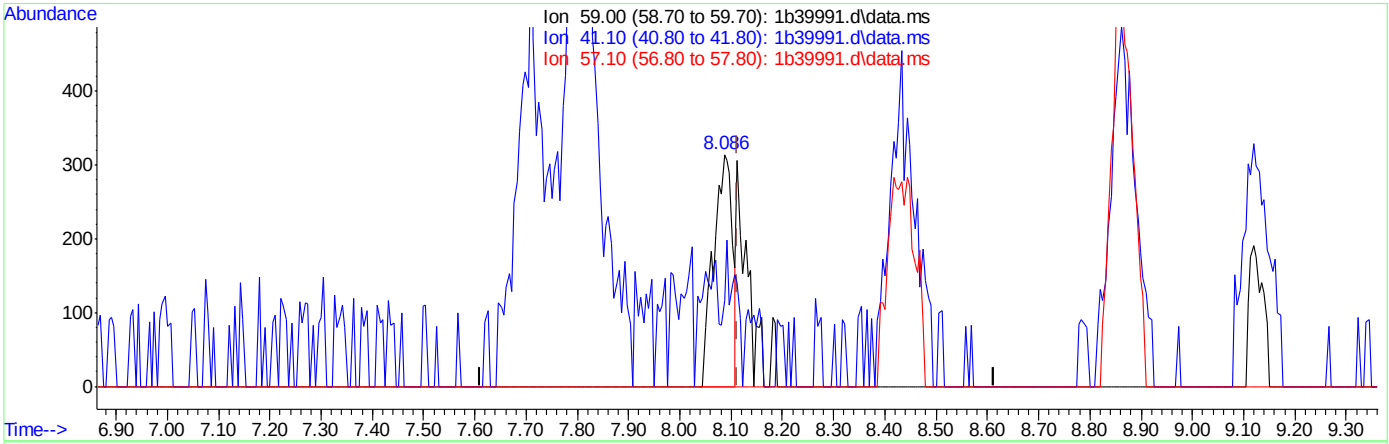
response 1244

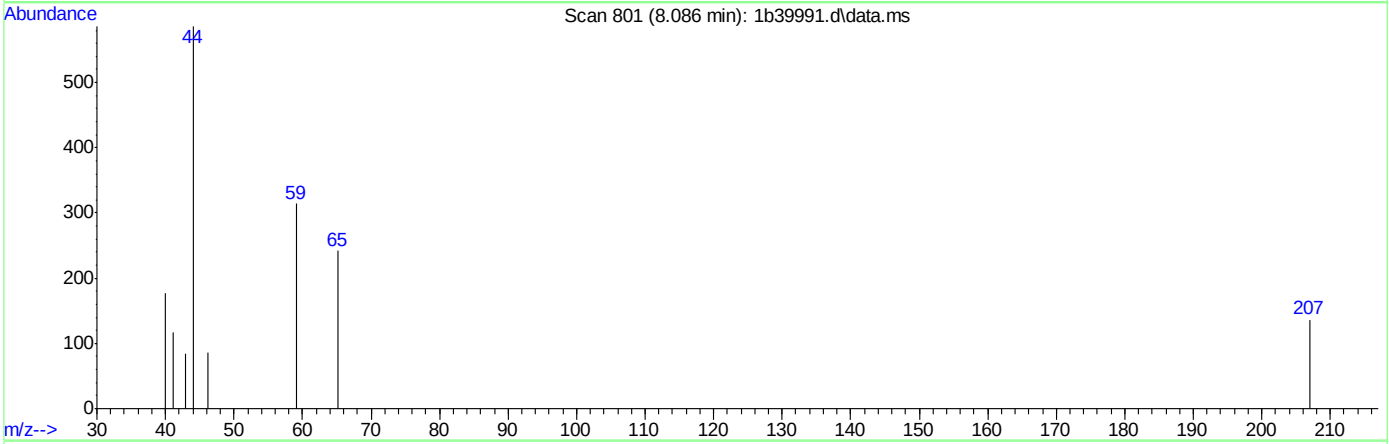
Ion	Exp%	Act%
59.00	100	100
41.10	14.20	37.26
57.10	12.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1B-CORE\v1b1749\
Data File : 1b39991.d
Acq On : 1 Dec 2009 9:35 am
Operator : mei
Sample : ic1749-0.5
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 01 09:54:38 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration





TIC: 1b39991.d\data.ms

(2) TERTIARY BUTYL ALCOHOL (M)

8.086min (-0.026) 1.60PPb

response 796

Ion	Exp%	Act%
59.00	100	100
41.10	14.20	0.00
57.10	12.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Mei Chen
12/02/09 07:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39992.d
Acq On : 1 Dec 2009 10:12 am
Operator : mei
Sample : ic1749-1
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 01 11:59:53 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.950	65	19958	50.00	PPB		-0.02
3) FLUOROBENZENE	11.384	96	66761	5.00	PPb		-0.02
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.124	95	25474	4.66	PPb		-0.01
Spiked Amount 5.000	Range 77 - 115		Recovery = 93.20%				
5) 1,2-DICHLOROBENZENE-d4...	17.807	152	30159	4.65	PPb		-0.01
Spiked Amount 5.000	Range 78 - 114		Recovery = 93.00%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.087	59	2344	5.27	PPb		84
6) DICHLORODIFLUOROMETHANE	4.076	85	5167	1.13	PPb		91
7) CHLOROMETHANE	4.432	50	5400	1.39	PPb		95
8) VINYL CHLORIDE	4.710	62	4437	1.28	PPb		95
9) BROMOMETHANE	5.476	94	3250	1.23	PPb		85
10) CHLOROETHANE	5.690	64	2492	1.26	PPb		90
11) TRICHLOROFLUOROMETHANE	6.231	101	5749	0.94	PPb		96
12) ETHYL ETHER	6.723	45	2278	0.95	PPb		84
13) ACROLEIN	6.975	56	5807	8.92	PPb		85
14) 1,1-DICHLOROETHYLENE	7.206	96	3193	1.10	PPb		91
15) FREON 113	7.185	151	2442	0.94	PPb		89
16) ACETONE	7.221	58	1189m	3.56	PPb		
17) IODOMETHANE	7.499	142	6513	0.99	PPb		98
18) CARBON DISULFIDE	7.667	76	11460	1.02	PPb		98
19) METHYL ACETATE	7.819	74	289m	0.53	PPb		
20) ALLYL CHLORIDE	7.809	76	1811	0.95	PPb	#	78
21) METHYLENE CHLORIDE	8.003	84	4342	1.11	PPb		87
22) ACRYLONITRILE	8.349	53	7392	4.62	PPb		97
23) METHYL TERT BUTYL ETHER	8.433	73	11549	0.92	PPb		94
24) trans-1,2-DICHLOROETHY...	8.464	61	5019	0.94	PPb		90
25) HEXANE	8.868	57	4080	0.91	PPb		94
26) 1,1-DICHLOROETHANE	9.088	63	6532	0.98	PPb		91
27) DI-ISOPROPYL ETHER	9.125	45	10667	0.86	PPb		98
28) ETHYL TERT-BUTYL ETHER	9.638	59	10847	0.88	PPb		95
29) 2-BUTANONE	9.859	72	1674	3.49	PPb		93
30) 2,2-DICHLOROPROPANE	9.922	77	6166	0.96	PPb		92
31) cis-1,2-DICHLOROETHYLENE	9.911	61	6548	0.96	PPb		93
32) PROPIONITRILE	9.927	54	5832	9.09	PPb		87
33) METHYLACRYLATE	9.995	55	3269	0.82	PPb		96
34) METHACRYLONITRILE	10.142	41	2711	0.82	PPb		95
35) BROMOCHLOROMETHANE	10.241	128	2044	0.98	PPb		90
36) CHLOROFORM	10.304	83	6675	0.90	PPb		96
37) TETRAHYDROFURAN	10.331	42	1559	0.79	PPb	#	67
38) 1,1,1-TRICHLOROETHANE	10.608	97	6125	0.91	PPb		92
39) CYCLOHEXANE	10.729	84	4861	0.98	PPb	#	100
40) 1-CHLOROBUTANE	10.703	56	12443	0.93	PPb		86
41) 1,1-DICHLOROPROPENE	10.813	75	5051	0.96	PPb		94
42) CARBON TETRACHLORIDE	10.844	117	5458	0.91	PPb		95
43) 1,2-DICHLOROETHANE	11.070	62	5452	0.83	PPb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39992.d
Acq On : 1 Dec 2009 10:12 am
Operator : mei
Sample : ic1749-1
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 01 11:59:53 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	BENZENE	11.080	78	14488	1.03	PPb		96
45)	TERT AMYL METHYL ETHER	11.133	73	11251	0.90	PPB	#	76
46)	TRICHLOROETHYLENE	11.851	95	3870	0.99	PPb		95
47)	METHYLCYCLOHEXANE	12.113	83	5171	0.87	PPb		98
48)	METHYL METHACRYLATE	12.124	69	3618	0.87	PPb		81
49)	1,2-DICHLOROPROPANE	12.103	63	3528	0.94	PPb		90
50)	DIBROMOMETHANE	12.260	93	2601	0.94	PPb		84
51)	BROMODICHLOROMETHANE	12.407	83	5126	0.90	PPb		98
52)	CHLOROACETONITRILE	12.569	75	941	4.00	PPb		92
53)	2-NITROPROPANE	12.601	41	1151	0.69	PPb		74
54)	2-CHLOROETHYL VINYL ETHER	12.664	63	12552	4.34	PPb		94
55)	cis-1,3-DICHLOROPROPENE	12.910	75	6328	0.97	PPb		97
56)	4-METHYL-2-PENTANONE	12.999	58	6101	3.33	PPb		92
57)	1,1-DICHLOROPROPANONE	13.104	43	1596	0.84	PPb		80
58)	TOLUENE	13.314	92	9111	0.99	PPb		94
59)	trans-1,3-DICHLOROPROPENE	13.503	75	5773	0.85	PPb		95
60)	ETHYL METHACRYLATE	13.513	69	4786	0.88	PPb		96
61)	1,1,2-TRICHLOROETHANE	13.733	83	3067	0.97	PPb		96
62)	1,3-DICHLOROPROPANE	13.933	76	5854	0.93	PPb		97
63)	2-HEXANONE	13.922	58	6092	3.38	PPb		98
64)	TETRACHLOROETHYLENE	13.969	166	4437	0.96	PPb		96
65)	DIBROMOCHLOROMETHANE	14.226	129	4140	0.84	PPb		92
66)	1,2-DIBROMOETHANE	14.389	107	3988	0.92	PPb		94
67)	CHLOROBENZENE	14.908	112	10212	0.94	PPb		98
68)	1,1,1,2-TETRACHLOROETHANE	14.965	131	4039	0.91	PPb		89
69)	ETHYLBENZENE	14.971	91	17344	0.96	PPb		99
70)	m,p-XYLENE	15.086	106	13456	1.83	PPb		95
71)	o-XYLENE	15.537	106	6609	0.91	PPb		100
72)	STYRENE	15.547	104	10812	0.91	PPb		97
73)	BROMOFORM	15.820	173	3098	0.81	PPb		92
74)	ISOPROPYLBENZENE	15.914	105	17494	0.94	PPb		97
75)	BROMOBENZENE	16.339	156	4952	0.92	PPb		95
76)	1,1,2,2-TETRACHLOROETHANE	16.208	83	5372	0.91	PPb		99
77)	TRANS-1,4-DICHLORO-2-B...	16.255	53	1313	0.72	PPb		89
78)	1,2,3-TRICHLOROPROPANE	16.281	110	1402	0.85	PPb		97
79)	n-PROPYLBENZENE	16.355	91	20856	0.95	PPb		97
80)	O-CHLOROTOLUENE	16.512	126	4441	0.92	PPb		86
81)	1,3,5-TRIMETHYLBENZENE	16.512	105	14637	0.92	PPb		98
82)	P-CHLOROTOLUENE	16.617	91	13449	0.93	PPb		98
83)	tert-BUTYLBENZENE	16.890	119	13035	0.89	PPb		98
84)	1,2,4-TRIMETHYLBENZENE	16.937	105	14847	0.90	PPb		96
85)	PENTACHLOROETHANE	16.973	167	2893	0.86	PPb		93
86)	sec-BUTYLBENZENE	17.126	105	19688	0.94	PPb		96
87)	p-ISOPROPYLTOLUENE	17.246	119	16337	0.92	PPb		95
88)	M-DICHLOROBENZENE	17.330	146	9658	0.95	PPb		93
89)	P-DICHLOROBENZENE	17.409	146	9602	0.90	PPB		93
90)	n-BUTYLBENZENE	17.687	92	8745	0.93	PPb		95
91)	O-DICHLOROBENZENE	17.828	146	9485	0.92	PPb		95
92)	HEXACHLOROETHANE	18.132	201	2919	0.92	PPb		91
93)	1,2-DIBROMO-3-CHLOROPR...	18.630	155	979	0.79	PPb		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39992.d
Acq On : 1 Dec 2009 10:12 am
Operator : mei
Sample : ic1749-1
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 01 11:59:53 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration

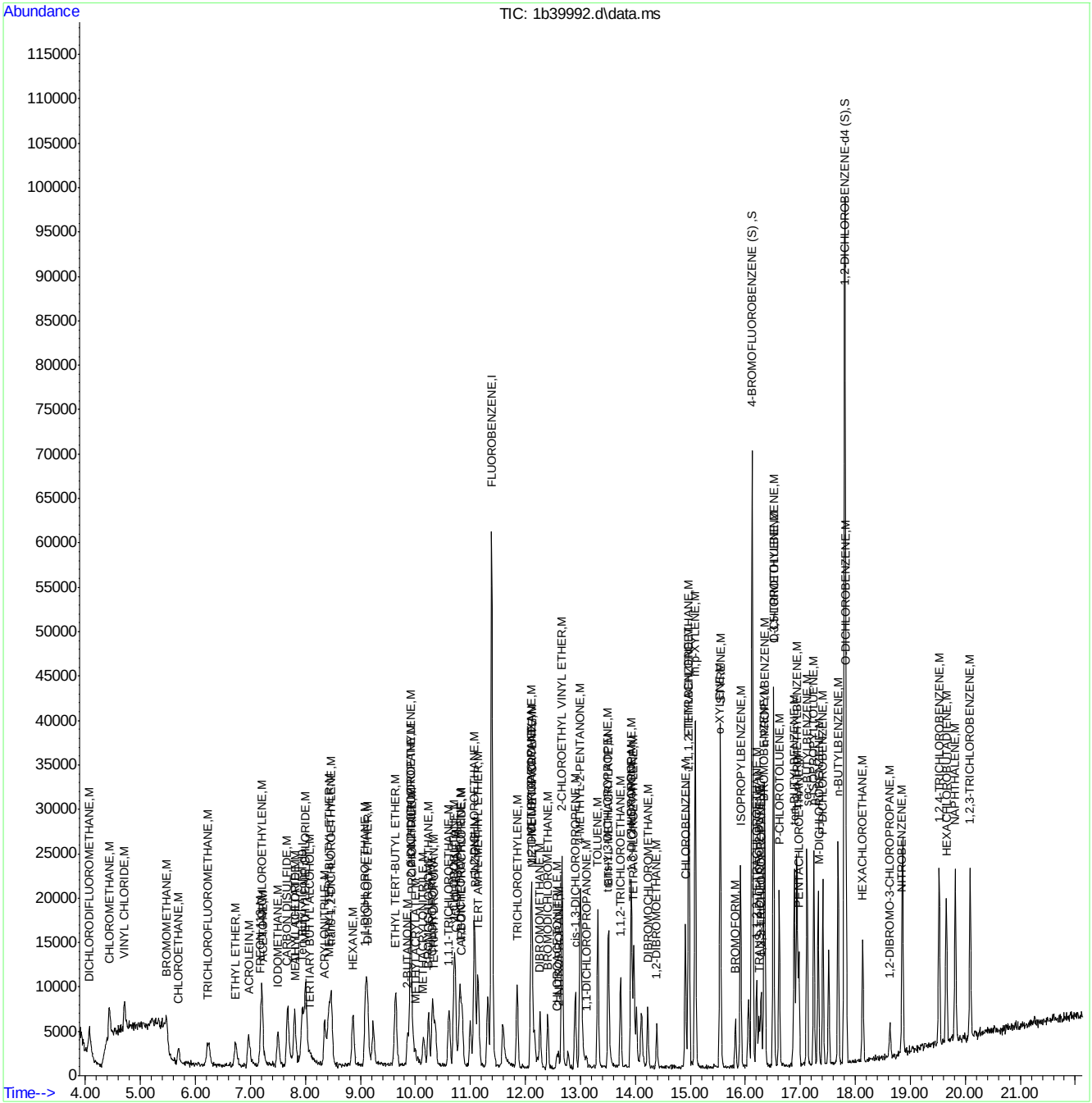
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) NITROBENZENE	18.845	77	1987	7.31	PPb	91
95) 1,2,4-TRICHLOROBENZENE	19.522	180	7791	0.90	PPb	96
96) HEXACHLOROBUTADIENE	19.658	225	4275	0.91	PPb	97
97) NAPHTHALENE	19.820	128	18061	0.87	PPb	97
98) 1,2,3-TRICHLOROBENZENE	20.088	180	7287	0.88	PPb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39992.d
Acq On : 1 Dec 2009 10:12 am
Operator : mei
Sample : ic1749-1
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 3 Sample Multiplier: 1

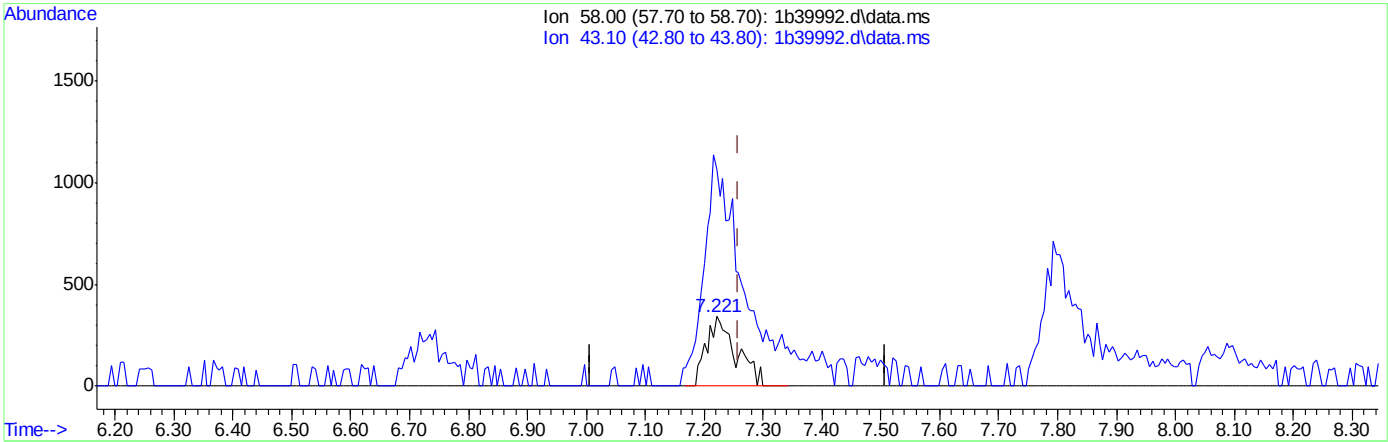
Quant Time: Dec 01 11:59:53 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration

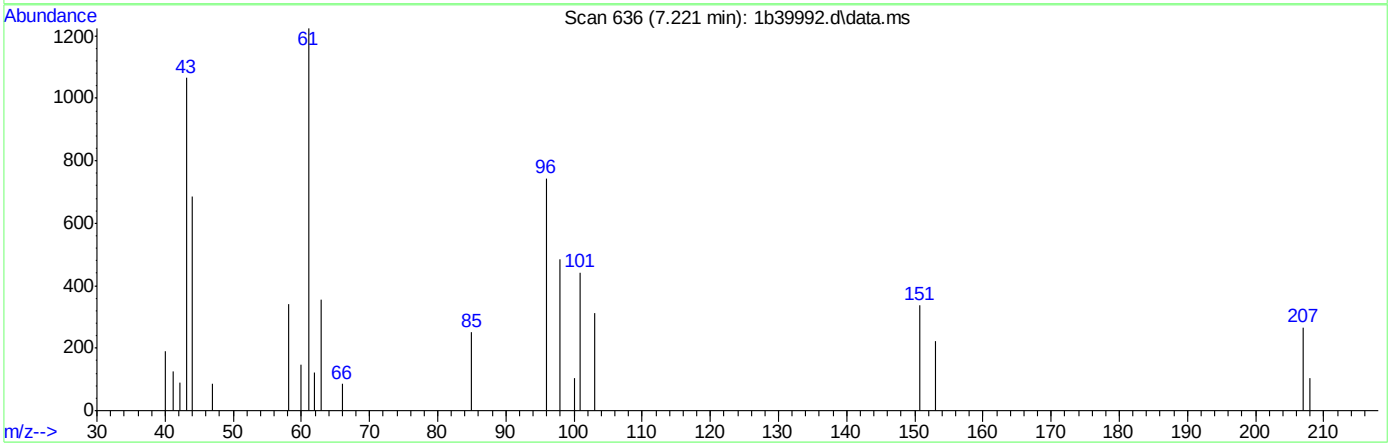


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39992.d
Acq On : 1 Dec 2009 10:12 am
Operator : mei
Sample : ic1749-1
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 01 11:59:53 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration





TIC: 1b39992.d\data.ms

(16) ACETONE (M)

7.221min (-0.037) 3.56PPb m

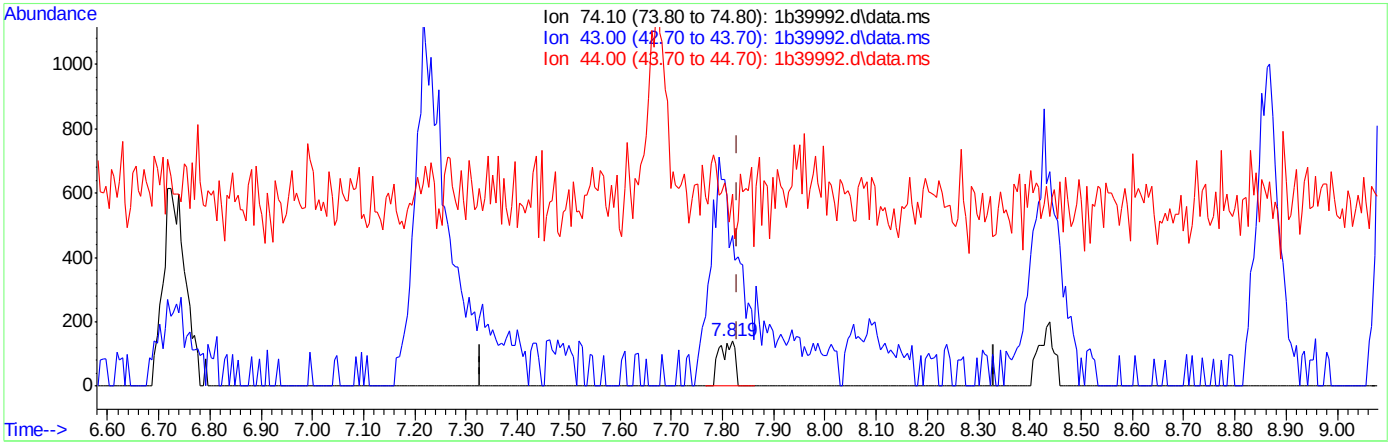
response 1189

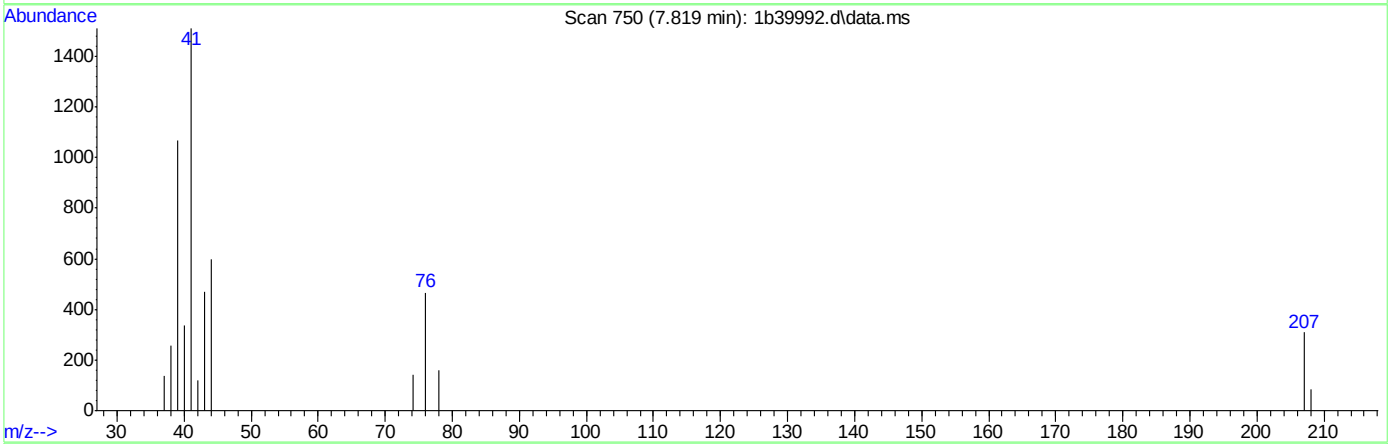
Ion	Exp%	Act%
58.00	100	100
43.10	369.90	312.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39992.d
Acq On : 1 Dec 2009 10:12 am
Operator : mei
Sample : ic1749-1
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 01 11:59:53 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration





TIC: 1b39992.d\data.ms

(19) METHYL ACETATE (M)

7.819min (-0.010) 0.53PPb m

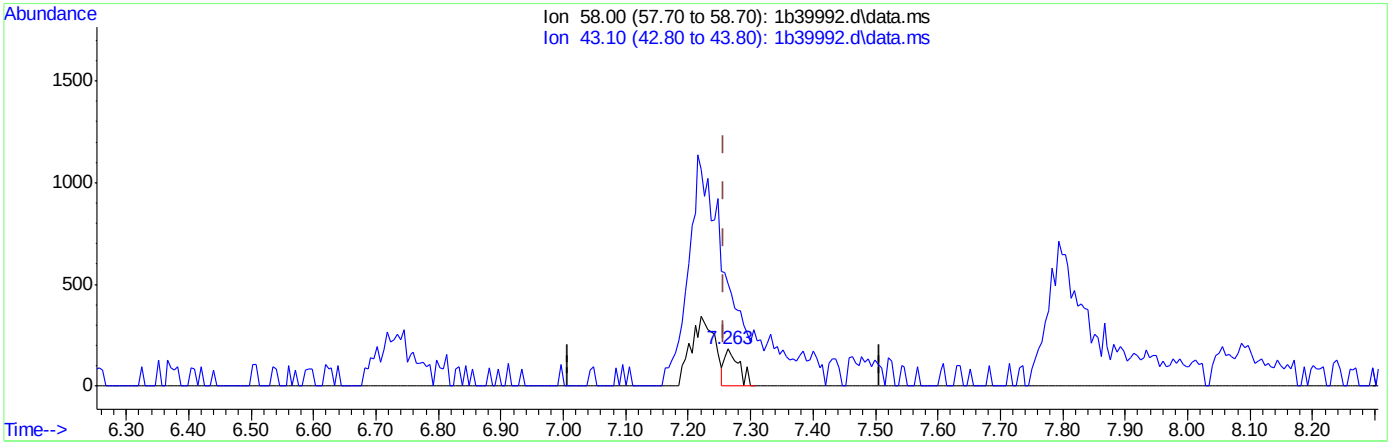
response 289

Ion	Exp%	Act%
74.10	100	100
43.00	650.90	901.04#
44.00	32.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1B-CORE\v1b1749\
Data File : 1b39992.d
Acq On : 1 Dec 2009 10:12 am
Operator : mei
Sample : ic1749-1
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 01 10:50:38 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration



TIC: 1b39992.d\data.ms

(16) ACETONE (M)

7.263min (+0.005) 0.88PPb

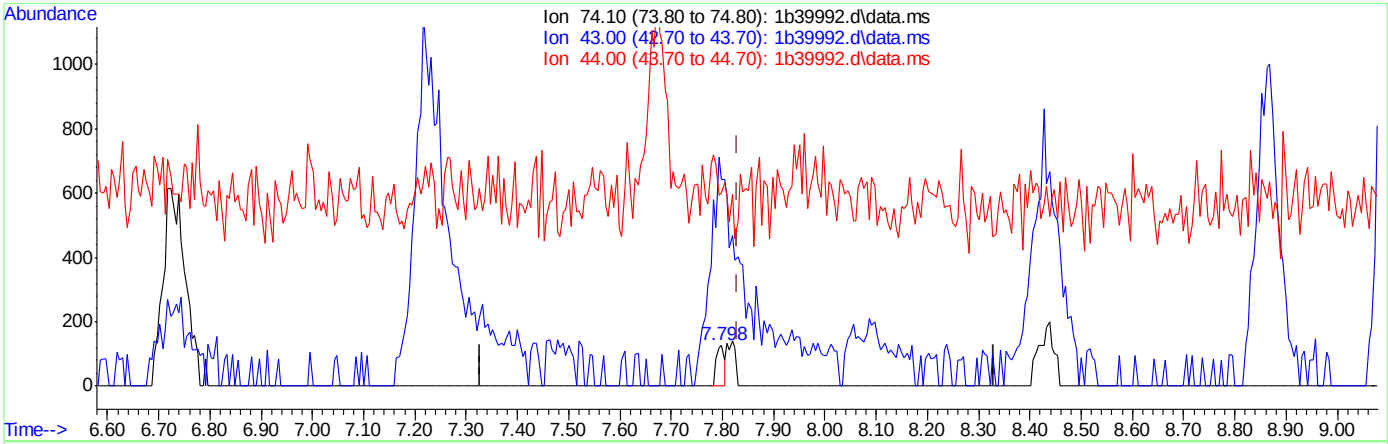
response 292

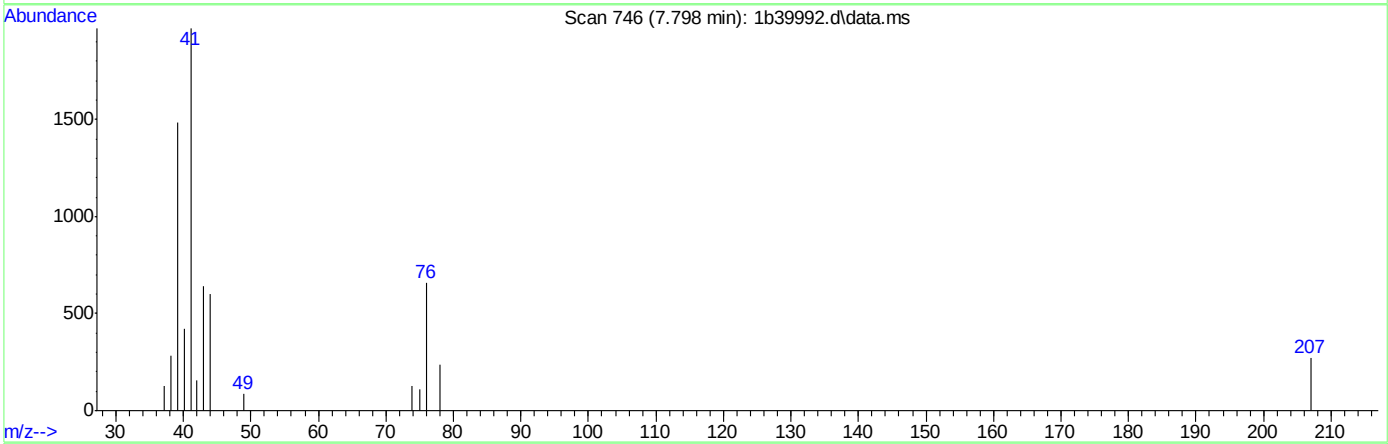
Ion	Exp%	Act%
58.00	100	100
43.10	369.90	274.32
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1B-CORE\v1b1749\
Data File : 1b39992.d
Acq On : 1 Dec 2009 10:12 am
Operator : mei
Sample : ic1749-1
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 01 10:50:38 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration





TIC: 1b39992.d\data.ms

(19) METHYL ACETATE (M)

7.798min (-0.031) 0.24PPb

response 131

Ion	Exp%	Act%
74.10	100	100
43.00	650.90	1987.79#
44.00	32.40	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39993.d
Acq On : 1 Dec 2009 10:48 am
Operator : mei
Sample : ic1749-2
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 01 11:11:44 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.956	65	20866	50.00	PPB		#-0.01
3) FLUOROBENZENE	11.384	96	68330	5.00	PPb		-0.02
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.124	95	25484	4.56	PPb		-0.01
Spiked Amount 5.000	Range 77 - 115		Recovery = 91.20%				
5) 1,2-DICHLOROBENZENE-d4...	17.807	152	30292	4.57	PPb		-0.01
Spiked Amount 5.000	Range 78 - 114		Recovery = 91.40%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.097	59	4406	9.48	PPb		83
6) DICHLORODIFLUOROMETHANE	4.081	85	11115	2.38	PPb		98
7) CHLOROMETHANE	4.432	50	10535	2.66	PPb		95
8) VINYL CHLORIDE	4.710	62	9126	2.58	PPb		99
9) BROMOMETHANE	5.481	94	6468	2.39	PPb		97
10) CHLOROETHANE	5.696	64	4641	2.30	PPb		96
11) TRICHLOROFLUOROMETHANE	6.231	101	12281	1.97	PPb		95
12) ETHYL ETHER	6.734	45	4429	1.80	PPb		84
13) ACROLEIN	6.959	56	12791	19.21	PPb		97
14) 1,1-DICHLOROETHYLENE	7.206	96	5642	1.89	PPb		92
15) FREON 113	7.185	151	5372	2.02	PPb		94
16) ACETONE	7.216	58	2775	8.13	PPb		78
17) IODOMETHANE	7.505	142	12253	1.82	PPb		99
18) CARBON DISULFIDE	7.672	76	22005	1.92	PPb		100
19) METHYL ACETATE	7.803	74	1127	2.00	PPb	#	71
20) ALLYL CHLORIDE	7.798	76	3936	2.02	PPb	#	77
21) METHYLENE CHLORIDE	8.008	84	7602	1.90	PPb		87
22) ACRYLONITRILE	8.344	53	14743	9.00	PPb		94
23) METHYL TERT BUTYL ETHER	8.427	73	21777	1.70	PPb		98
24) trans-1,2-DICHLOROETHY...	8.469	61	9827	1.80	PPb		96
25) HEXANE	8.863	57	9066	1.97	PPb		90
26) 1,1-DICHLOROETHANE	9.093	63	12035	1.77	PPb		94
27) DI-ISOPROPYL ETHER	9.125	45	22534	1.77	PPb		99
28) ETHYL TERT-BUTYL ETHER	9.639	59	22685	1.79	PPb		95
29) 2-BUTANONE	9.854	72	3699	7.54	PPb		88
30) 2,2-DICHLOROPROPANE	9.922	77	11050	1.68	PPb		95
31) cis-1,2-DICHLOROETHYLENE	9.911	61	11923	1.70	PPb		90
32) PROPIONITRILE	9.922	54	11410	17.37	PPb		89
33) METHYLACRYLATE	9.990	55	6044	1.49	PPb		92
34) METHACRYLONITRILE	10.142	41	5349	1.58	PPb		93
35) BROMOCHLOROMETHANE	10.242	128	4035	1.88	PPb		97
36) CHLOROFORM	10.310	83	12704	1.68	PPb		95
37) TETRAHYDROFURAN	10.315	42	2979	1.47	PPb		84
38) 1,1,1-TRICHLOROETHANE	10.614	97	11633	1.70	PPb		98
39) CYCLOHEXANE	10.719	84	9607	1.90	PPb	#	100
40) 1-CHLOROBUTANE	10.708	56	24215	1.78	PPb		90
41) 1,1-DICHLOROPROPENE	10.808	75	9731	1.80	PPb		99
42) CARBON TETRACHLORIDE	10.850	117	10415	1.69	PPb		99
43) 1,2-DICHLOROETHANE	11.065	62	10494	1.56	PPb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39993.d
Acq On : 1 Dec 2009 10:48 am
Operator : mei
Sample : ic1749-2
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 01 11:11:44 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	BENZENE	11.075	78	26287	1.82	PPb		97
45)	TERT AMYL METHYL ETHER	11.143	73	22815	1.78	PPB	#	52
46)	TRICHLOROETHYLENE	11.846	95	7277	1.81	PPb		88
47)	METHYLCYCLOHEXANE	12.113	83	12040	1.97	PPb		94
48)	METHYL METHACRYLATE	12.113	69	7596	1.78	PPb		98
49)	1,2-DICHLOROPROPANE	12.103	63	7168	1.87	PPb		95
50)	DIBROMOMETHANE	12.265	93	5070	1.78	PPb		97
51)	BROMODICHLOROMETHANE	12.407	83	9838	1.69	PPb		96
52)	CHLOROACETONITRILE	12.569	75	2164	9.00	PPb		85
53)	2-NITROPROPANE	12.596	41	2405	1.41	PPb		80
54)	2-CHLOROETHYL VINYL ETHER	12.664	63	25564	8.64	PPb		96
55)	cis-1,3-DICHLOROPROPENE	12.905	75	11624	1.75	PPb		95
56)	4-METHYL-2-PENTANONE	12.994	58	13375	7.14	PPb		95
57)	1,1-DICHLOROPROPANONE	13.104	43	2919	1.50	PPb		95
58)	TOLUENE	13.319	92	16611	1.77	PPb		89
59)	trans-1,3-DICHLOROPROPENE	13.503	75	11498	1.65	PPb		98
60)	ETHYL METHACRYLATE	13.513	69	9177	1.65	PPb		91
61)	1,1,2-TRICHLOROETHANE	13.733	83	6030	1.87	PPb		98
62)	1,3-DICHLOROPROPANE	13.933	76	11234	1.74	PPb		93
63)	2-HEXANONE	13.917	58	13095	7.09	PPb		94
64)	TETRACHLOROETHYLENE	13.975	166	8740	1.85	PPb		95
65)	DIBROMOCHLOROMETHANE	14.226	129	8610	1.70	PPb		96
66)	1,2-DIBROMOETHANE	14.389	107	8041	1.80	PPb		92
67)	CHLOROBENZENE	14.913	112	19889	1.80	PPb		95
68)	1,1,1,2-TETRACHLOROETHANE	14.965	131	7835	1.73	PPb		95
69)	ETHYLBENZENE	14.976	91	33381	1.80	PPb		98
70)	m,p-XYLENE	15.091	106	26354	3.51	PPb		98
71)	o-XYLENE	15.542	106	13100	1.75	PPb		86
72)	STYRENE	15.547	104	20467	1.67	PPb		98
73)	BROMOFORM	15.820	173	6141	1.57	PPb		96
74)	ISOPROPYLBENZENE	15.914	105	34055	1.78	PPb		98
75)	BROMOBENZENE	16.339	156	9735	1.77	PPb		98
76)	1,1,2,2-TETRACHLOROETHANE	16.203	83	10858	1.80	PPb		91
77)	TRANS-1,4-DICHLORO-2-B...	16.250	53	2895	1.56	PPb		93
78)	1,2,3-TRICHLOROPROPANE	16.287	110	2848	1.69	PPb		93
79)	n-PROPYLBENZENE	16.355	91	39706	1.77	PPb		98
80)	O-CHLOROTOLUENE	16.517	126	8596	1.73	PPb		86
81)	1,3,5-TRIMETHYLBENZENE	16.512	105	28890	1.77	PPb		94
82)	P-CHLOROTOLUENE	16.617	91	25537	1.73	PPb		95
83)	tert-BUTYLBENZENE	16.890	119	25391	1.70	PPb		98
84)	1,2,4-TRIMETHYLBENZENE	16.937	105	29499	1.75	PPb		97
85)	PENTACHLOROETHANE	16.979	167	5992	1.74	PPb		95
86)	sec-BUTYLBENZENE	17.126	105	37665	1.76	PPb		100
87)	p-ISOPROPYLTOLUENE	17.246	119	32016	1.77	PPb		98
88)	M-DICHLOROBENZENE	17.325	146	18660	1.79	PPb		94
89)	P-DICHLOROBENZENE	17.409	146	19049	1.75	PPb		98
90)	n-BUTYLBENZENE	17.687	92	16617	1.72	PPb		97
91)	O-DICHLOROBENZENE	17.828	146	18378	1.74	PPb		97
92)	HEXACHLOROETHANE	18.132	201	5886	1.80	PPb		87
93)	1,2-DIBROMO-3-CHLOROPR...	18.630	155	2077	1.65	PPb	#	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39993.d
Acq On : 1 Dec 2009 10:48 am
Operator : mei
Sample : ic1749-2
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 01 11:11:44 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration

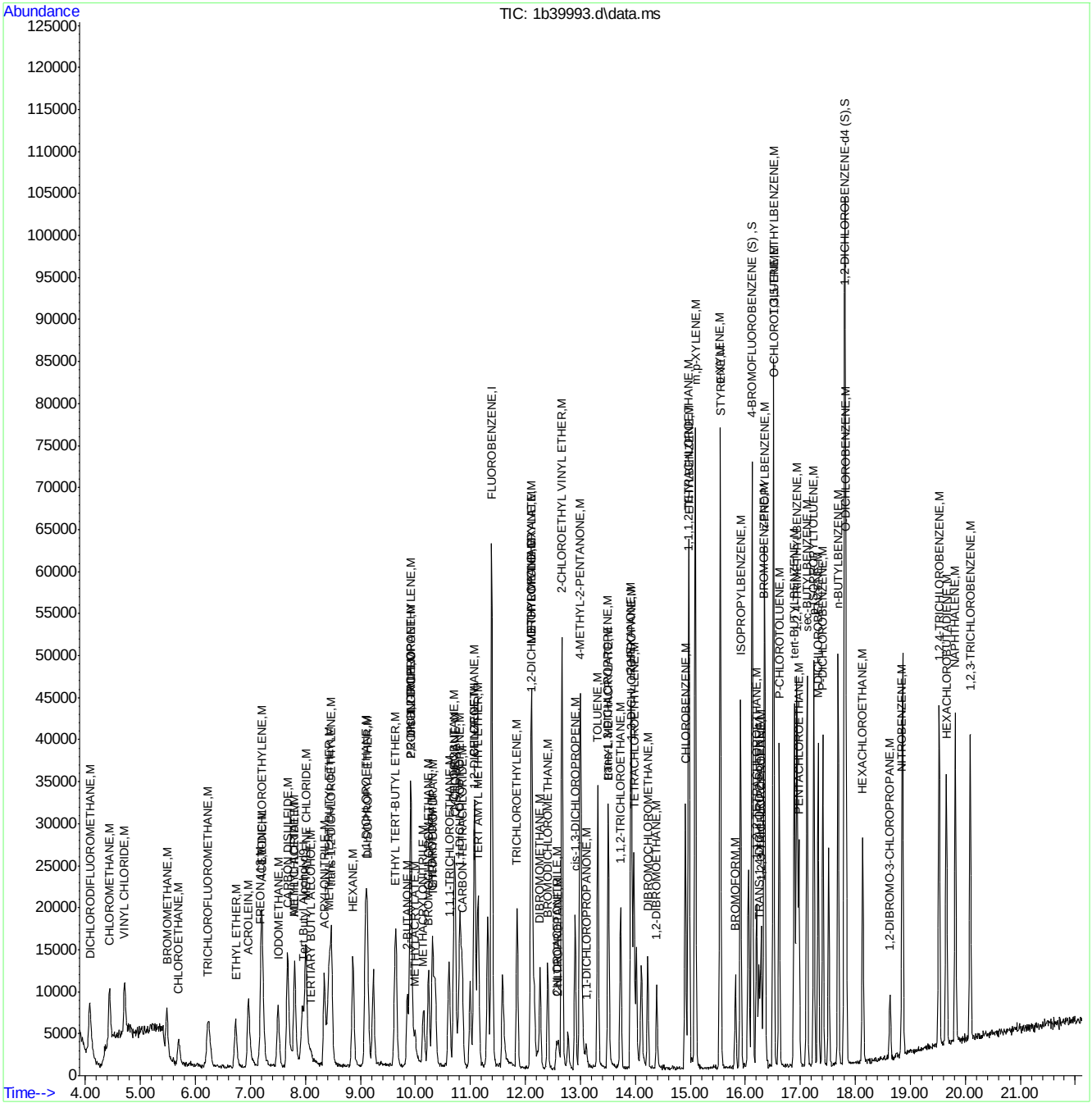
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) NITROBENZENE	18.845	77	4142	14.89	PPb	94
95) 1,2,4-TRICHLOROBENZENE	19.522	180	15319	1.74	PPb	93
96) HEXACHLOROBUTADIENE	19.658	225	8338	1.73	PPb	97
97) NAPHTHALENE	19.821	128	35981	1.69	PPb	99
98) 1,2,3-TRICHLOROBENZENE	20.093	180	14794	1.76	PPb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39993.d
Acq On : 1 Dec 2009 10:48 am
Operator : mei
Sample : ic1749-2
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 01 11:11:44 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 07:01:08 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39994.d
Acq On : 1 Dec 2009 11:24 am
Operator : mei
Sample : icc1749-5
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 01 11:58:23 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 11:13:11 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.950	65	20786	50.00	PPB		0.00
3) FLUOROBENZENE	11.389	96	67705	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.124	95	25740	5.05	PPb		0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 101.00%				
5) 1,2-DICHLOROBENZENE-d4...	17.807	152	30149	4.94	PPb		0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 98.80%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.092	59	11677	25.21	PPb		94
6) DICHLORODIFLUOROMETHANE	4.086	85	28024	5.51	PPb		96
7) CHLOROMETHANE	4.442	50	24865	4.54	PPb		90
8) VINYL CHLORIDE	4.715	62	22529	5.04	PPb		99
9) BROMOMETHANE	5.475	94	15573	4.46	PPb		96
10) CHLOROETHANE	5.696	64	11255	4.78	PPb		93
11) TRICHLOROFLUOROMETHANE	6.236	101	31153	5.40	PPb		99
12) ETHYL ETHER	6.723	45	10913	4.88	PPb		88
13) ACROLEIN	6.959	56	31434	51.42	PPb		98
14) 1,1-DICHLOROETHYLENE	7.206	96	15167	5.06	PPb		91
15) FREON 113	7.206	151	14018	5.96	PPb		89
16) ACETONE	7.211	58	7445	25.10	PPb		95
17) IODOMETHANE	7.504	142	32753	5.10	PPb		99
18) CARBON DISULFIDE	7.677	76	55793	5.03	PPb		100
19) METHYL ACETATE	7.782	74	3161	9.15	PPb	#	65
20) ALLYL CHLORIDE	7.803	76	10239	5.44	PPb		92
21) METHYLENE CHLORIDE	8.013	84	19037	4.36	PPb		95
22) ACRYLONITRILE	8.333	53	39713	27.11	PPb		96
23) METHYL TERT BUTYL ETHER	8.432	73	56560	4.89	PPb		95
24) trans-1,2-DICHLOROETHY...	8.469	61	25612	5.22	PPb		96
25) HEXANE	8.868	57	22285	5.60	PPb		96
26) 1,1-DICHLOROETHANE	9.093	63	31611	4.98	PPb		99
27) DI-ISOPROPYL ETHER	9.119	45	54915	5.11	PPb		95
28) ETHYL TERT-BUTYL ETHER	9.638	59	55485	5.13	PPb		97
29) 2-BUTANONE	9.843	72	9886	24.02	PPb		92
30) 2,2-DICHLOROPROPANE	9.927	77	28859	4.83	PPb		95
31) cis-1,2-DICHLOROETHYLENE	9.911	61	32221	5.17	PPb		95
32) PROPIONITRILE	9.911	54	31226	53.17	PPb		89
33) METHYLACRYLATE	9.990	55	19180	5.81	PPb		92
34) METHACRYLONITRILE	10.142	41	13862	5.04	PPb		94
35) BROMOCHLOROMETHANE	10.236	128	10835	5.38	PPb		97
36) CHLOROFORM	10.309	83	34164	5.16	PPb		95
37) TETRAHYDROFURAN	10.315	42	7837	4.52	PPb		98
38) 1,1,1-TRICHLOROETHANE	10.614	97	31016	5.30	PPb		96
39) CYCLOHEXANE	10.718	84	25888	5.58	PPb	#	100
40) 1-CHLOROBUTANE	10.708	56	63977	5.32	PPb		95
41) 1,1-DICHLOROPROPENE	10.807	75	25143	5.19	PPb		98
42) CARBON TETRACHLORIDE	10.849	117	28114	5.42	PPb		97
43) 1,2-DICHLOROETHANE	11.064	62	28120	5.27	PPb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39994.d
Acq On : 1 Dec 2009 11:24 am
Operator : mei
Sample : icc1749-5
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 01 11:58:23 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 11:13:11 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) BENZENE	11.075	78	69951	4.97	PPB	97
45) TERT AMYL METHYL ETHER	11.138	73	56168	4.99	PPB	99
46) TRICHLOROETHYLENE	11.846	95	19398	5.13	PPb	96
47) METHYLCYCLOHEXANE	12.118	83	29992	5.66	PPb	96
48) METHYL METHACRYLATE	12.118	69	20279	5.66	PPb	85
49) 1,2-DICHLOROPROPANE	12.103	63	18296	5.22	PPb	95
50) DIBROMOMETHANE	12.265	93	13833	5.29	PPb	95
51) BROMODICHLOROMETHANE	12.407	83	25735	5.18	PPb	100
52) CHLOROACETONITRILE	12.564	75	5922	31.72	PPb	92
53) 2-NITROPROPANE	12.601	41	6315	4.78	PPb	93
54) 2-CHLOROETHYL VINYL ETHER	12.664	63	66525	27.18	PPb	98
55) cis-1,3-DICHLOROPROPENE	12.905	75	30697	5.09	PPb	96
56) 4-METHYL-2-PENTANONE	12.994	58	34547	21.12	PPb	97
57) 1,1-DICHLOROPROPANONE	13.104	43	8143	5.26	PPb	97
58) TOLUENE	13.319	92	45052	5.17	PPb	99
59) trans-1,3-DICHLOROPROPENE	13.502	75	30498	5.34	PPb	97
60) ETHYL METHACRYLATE	13.513	69	24828	5.19	PPb	93
61) 1,1,2-TRICHLOROETHANE	13.728	83	15172	5.00	PPb	94
62) 1,3-DICHLOROPROPANE	13.932	76	29520	5.05	PPb	95
63) 2-HEXANONE	13.917	58	34854	21.64	PPb	98
64) TETRACHLOROETHYLENE	13.974	166	22815	5.15	PPb	97
65) DIBROMOCHLOROMETHANE	14.226	129	22301	5.28	PPb	93
66) 1,2-DIBROMOETHANE	14.388	107	20386	5.00	PPb	98
67) CHLOROBENZENE	14.913	112	51364	5.07	PPb	98
68) 1,1,1,2-TETRACHLOROETHANE	14.970	131	20360	4.89	PPb	92
69) ETHYLBENZENE	14.976	91	87870	5.15	PPb	99
70) m,p-XYLENE	15.091	106	68516	10.27	PPb	99
71) o-XYLENE	15.542	106	34122	5.16	PPb	88
72) STYRENE	15.547	104	55788	5.26	PPb	97
73) BROMOFORM	15.825	173	16519	5.20	PPb	95
74) ISOPROPYLBENZENE	15.914	105	89263	5.09	PPb	99
75) BROMOBENZENE	16.339	156	25456	5.08	PPb	100
76) 1,1,2,2-TETRACHLOROETHANE	16.208	83	28019	4.97	PPb	97
77) TRANS-1,4-DICHLORO-2-B...	16.250	53	7801	5.19	PPb	96
78) 1,2,3-TRICHLOROPROPANE	16.286	110	7387	5.10	PPb	97
79) n-PROPYLBENZENE	16.355	91	106299	5.13	PPb	99
80) O-CHLOROTOLUENE	16.512	126	22432	5.03	PPb	94
81) 1,3,5-TRIMETHYLBENZENE	16.512	105	75498	5.11	PPb	98
82) P-CHLOROTOLUENE	16.617	91	67640	5.07	PPb	100
83) tert-BUTYLBENZENE	16.895	119	67470	5.12	PPb	99
84) 1,2,4-TRIMETHYLBENZENE	16.937	105	79375	5.19	PPb	98
85) PENTACHLOROETHANE	16.973	167	15754	5.14	PPb	93
86) sec-BUTYLBENZENE	17.125	105	100526	5.14	PPb	99
87) p-ISOPROPYLTOLUENE	17.246	119	83983	5.12	PPb	99
88) M-DICHLOROBENZENE	17.325	146	47667	4.84	PPb	97
89) P-DICHLOROBENZENE	17.414	146	49384	4.91	PPb	96
90) n-BUTYLBENZENE	17.692	92	44182	5.10	PPb	96
91) O-DICHLOROBENZENE	17.833	146	47788	4.85	PPb	99
92) HEXACHLOROETHANE	18.137	201	15514	5.22	PPb	96
93) 1,2-DIBROMO-3-CHLOROPR...	18.630	155	5490	5.31	PPb	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39994.d
Acq On : 1 Dec 2009 11:24 am
Operator : mei
Sample : icc1749-5
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 01 11:58:23 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 11:13:11 2009
Response via : Initial Calibration

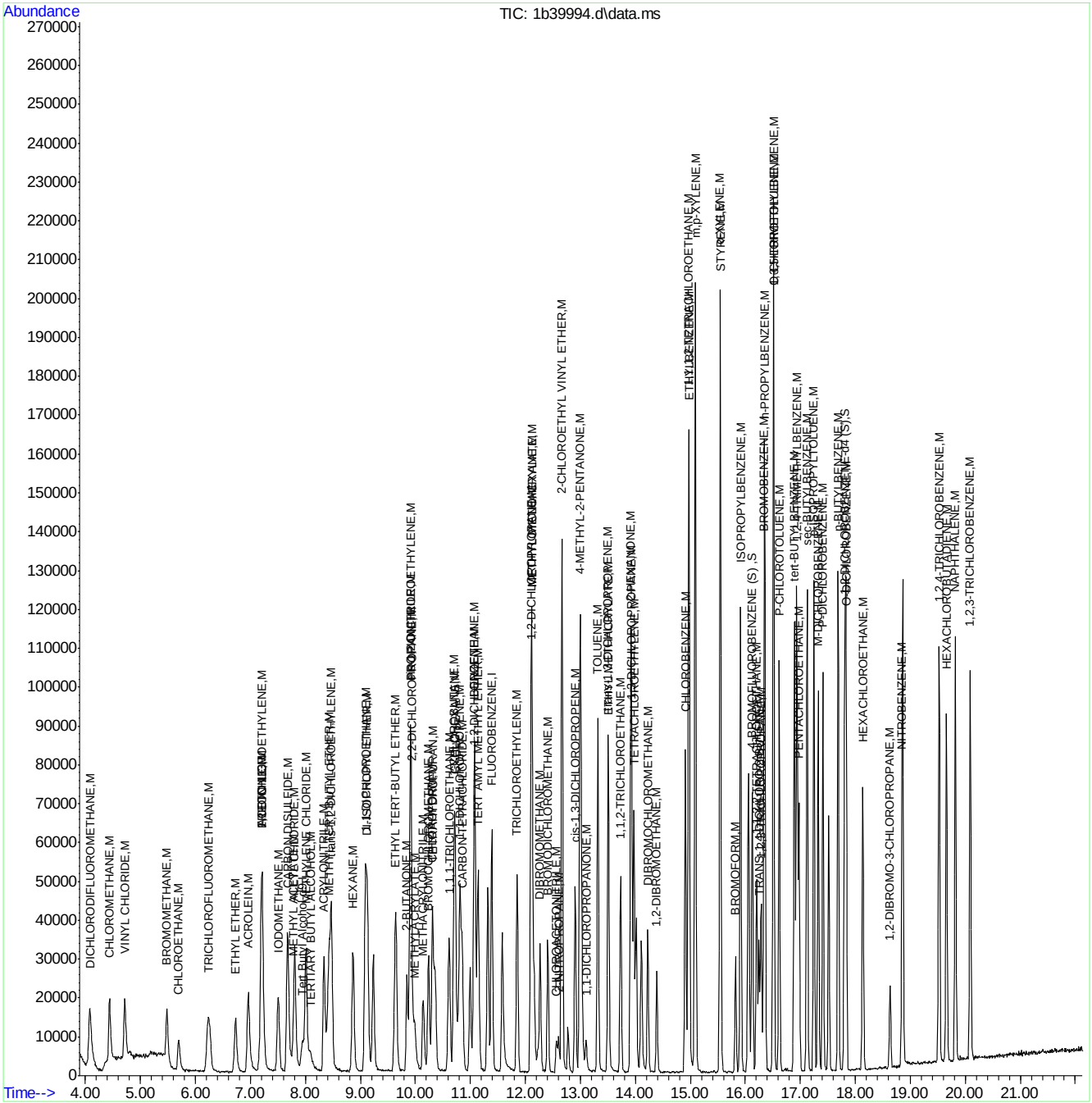
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) NITROBENZENE	18.845	77	10678	54.09	PPb	95
95) 1,2,4-TRICHLOROBENZENE	19.521	180	39532	4.96	PPb	99
96) HEXACHLOROBUTADIENE	19.658	225	22988	5.37	PPb	96
97) NAPHTHALENE	19.820	128	98098	5.20	PPb	98
98) 1,2,3-TRICHLOROBENZENE	20.088	180	38838	5.16	PPb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39994.d
Acq On : 1 Dec 2009 11:24 am
Operator : mei
Sample : icc1749-5
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 01 11:58:23 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 11:13:11 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39995.d
Acq On : 1 Dec 2009 12:00 pm
Operator : mei
Sample : ic1749-10
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 01 12:26:49 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 11:58:48 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.950	65	21911	50.00	PPB		0.00
3) FLUOROBENZENE	11.390	96	67085	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.124	95	26112	5.16	PPb		0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 103.20%				
5) 1,2-DICHLOROBENZENE-d4...	17.807	152	30486	5.06	PPb		0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 101.20%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.081	59	22327	45.63	PPb		97
6) DICHLORODIFLUOROMETHANE	4.076	85	54483	10.54	PPb		99
7) CHLOROMETHANE	4.437	50	47419	8.95	PPb		94
8) VINYL CHLORIDE	4.720	62	44668	10.06	PPb		93
9) BROMOMETHANE	5.475	94	30873	9.17	PPb		96
10) CHLOROETHANE	5.690	64	22623	9.80	PPb		93
11) TRICHLOROFLUOROMETHANE	6.236	101	60117	10.31	PPb		93
12) ETHYL ETHER	6.729	45	21486	9.75	PPb		91
13) ACROLEIN	6.954	56	64684	105.79	PPb		99
14) 1,1-DICHLOROETHYLENE	7.211	96	28918	9.71	PPb		98
15) FREON 113	7.195	151	26342	10.78	PPb		98
16) ACETONE	7.206	58	13133	42.01	PPb		99
17) IODOMETHANE	7.499	142	63438	9.91	PPb		98
18) CARBON DISULFIDE	7.672	76	109035	9.91	PPb		99
19) METHYL ACETATE	7.782	74	5621	11.47	PPb	#	95
20) ALLYL CHLORIDE	7.809	76	18923	9.93	PPb		99
21) METHYLENE CHLORIDE	8.013	84	36999	8.84	PPb		96
22) ACRYLONITRILE	8.333	53	77205	52.10	PPb		98
23) METHYL TERT BUTYL ETHER	8.432	73	110899	9.73	PPb		100
24) trans-1,2-DICHLOROETHY...	8.469	61	49165	10.01	PPb		96
25) HEXANE	8.862	57	41417	10.19	PPb		96
26) 1,1-DICHLOROETHANE	9.088	63	60544	9.64	PPb		97
27) DI-ISOPROPYL ETHER	9.125	45	105049	9.82	PPb		96
28) ETHYL TERT-BUTYL ETHER	9.644	59	106979	9.92	PPb		96
29) 2-BUTANONE	9.843	72	18454	43.09	PPb		94
30) 2,2-DICHLOROPROPANE	9.922	77	54953	9.36	PPb		98
31) cis-1,2-DICHLOROETHYLENE	9.911	61	62483	10.03	PPb		99
32) PROPIONITRILE	9.911	54	61168	103.48	PPb		95
33) METHYLACRYLATE	9.979	55	36028	10.58	PPb		96
34) METHACRYLONITRILE	10.136	41	26186	9.59	PPb		97
35) BROMOCHLOROMETHANE	10.236	128	21234	10.45	PPb		97
36) CHLOROFORM	10.310	83	66446	10.05	PPb		98
37) TETRAHYDROFURAN	10.310	42	14883	8.87	PPb		99
38) 1,1,1-TRICHLOROETHANE	10.614	97	58811	9.99	PPb		98
39) CYCLOHEXANE	10.729	84	48476	10.25	PPb	#	100
40) 1-CHLOROBUTANE	10.708	56	123908	10.23	PPb		100
41) 1,1-DICHLOROPROPENE	10.813	75	47583	9.81	PPb		96
42) CARBON TETRACHLORIDE	10.850	117	53778	10.24	PPb		98
43) 1,2-DICHLOROETHANE	11.065	62	55152	10.30	PPb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39995.d
Acq On : 1 Dec 2009 12:00 pm
Operator : mei
Sample : ic1749-10
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 01 12:26:49 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 11:58:48 2009
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	BENZENE	11.075	78	134547	9.66	PPB	97
45)	TERT AMYL METHYL ETHER	11.138	73	107012	9.59	PPB	99
46)	TRICHLOROETHYLENE	11.851	95	37473	9.93	PPb	93
47)	METHYLCYCLOHEXANE	12.113	83	56768	10.47	PPb	98
48)	METHYL METHACRYLATE	12.118	69	39667	10.82	PPb	100
49)	1,2-DICHLOROPROPANE	12.108	63	35864	10.21	PPb	92
50)	DIBROMOMETHANE	12.265	93	26908	10.23	PPb	98
51)	BROMODICHLOROMETHANE	12.407	83	51376	10.34	PPb	99
52)	CHLOROACETONITRILE	12.559	75	13377	67.75	PPb	96
53)	2-NITROPROPANE	12.606	41	11891	9.19	PPb	88
54)	2-CHLOROETHYL VINYL ETHER	12.664	63	127043	51.27	PPb	99
55)	cis-1,3-DICHLOROPROPENE	12.905	75	60158	10.03	PPb	99
56)	4-METHYL-2-PENTANONE	12.994	58	67545	41.09	PPb	98
57)	1,1-DICHLOROPROPANONE	13.104	43	15023	9.67	PPb	99
58)	TOLUENE	13.319	92	85769	9.86	PPb	98
59)	trans-1,3-DICHLOROPROPENE	13.503	75	60575	10.53	PPb	97
60)	ETHYL METHACRYLATE	13.513	69	49736	10.40	PPb	98
61)	1,1,2-TRICHLOROETHANE	13.733	83	30418	10.12	PPb	98
62)	1,3-DICHLOROPROPANE	13.932	76	56830	9.79	PPb	97
63)	2-HEXANONE	13.917	58	66360	40.75	PPb	99
64)	TETRACHLOROETHYLENE	13.974	166	42983	9.72	PPb	97
65)	DIBROMOCHLOROMETHANE	14.226	129	44413	10.46	PPb	97
66)	1,2-DIBROMOETHANE	14.389	107	40375	9.99	PPb	99
67)	CHLOROBENZENE	14.908	112	99835	9.91	PPb	95
68)	1,1,1,2-TETRACHLOROETHANE	14.971	131	40080	9.77	PPb	93
69)	ETHYLBENZENE	14.976	91	169480	9.96	PPb	99
70)	m,p-XYLENE	15.091	106	131620	19.77	PPb	95
71)	o-XYLENE	15.542	106	65721	9.94	PPb	92
72)	STYRENE	15.547	104	110641	10.39	PPb	99
73)	BROMOFORM	15.820	173	33125	10.41	PPb	98
74)	ISOPROPYLBENZENE	15.914	105	173308	9.93	PPb	98
75)	BROMOBENZENE	16.339	156	49328	9.89	PPb	99
76)	1,1,2,2-TETRACHLOROETHANE	16.208	83	54576	9.79	PPb	99
77)	TRANS-1,4-DICHLORO-2-B...	16.250	53	14925	9.92	PPb	95
78)	1,2,3-TRICHLOROPROPANE	16.292	110	14135	9.79	PPb	98
79)	n-PROPYLBENZENE	16.355	91	203534	9.84	PPb	100
80)	O-CHLOROTOLUENE	16.512	126	43195	9.75	PPb	94
81)	1,3,5-TRIMETHYLBENZENE	16.512	105	144972	9.84	PPb	98
82)	P-CHLOROTOLUENE	16.617	91	129921	9.79	PPb	100
83)	tert-BUTYLBENZENE	16.895	119	131319	10.00	PPb	99
84)	1,2,4-TRIMETHYLBENZENE	16.937	105	151578	9.91	PPb	99
85)	PENTACHLOROETHANE	16.979	167	30928	10.11	PPb	92
86)	sec-BUTYLBENZENE	17.125	105	194513	9.96	PPb	98
87)	p-ISOPROPYLTOLUENE	17.246	119	163595	10.00	PPb	98
88)	M-DICHLOROBENZENE	17.325	146	92383	9.54	PPb	98
89)	P-DICHLOROBENZENE	17.414	146	95583	9.64	PPb	99
90)	n-BUTYLBENZENE	17.692	92	85272	9.88	PPb	97
91)	O-DICHLOROBENZENE	17.833	146	92534	9.55	PPb	98
92)	HEXACHLOROETHANE	18.137	201	29960	10.06	PPb	99
93)	1,2-DIBROMO-3-CHLOROPR...	18.635	155	10755	10.34	PPb	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39995.d
Acq On : 1 Dec 2009 12:00 pm
Operator : mei
Sample : ic1749-10
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 01 12:26:49 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 11:58:48 2009
Response via : Initial Calibration

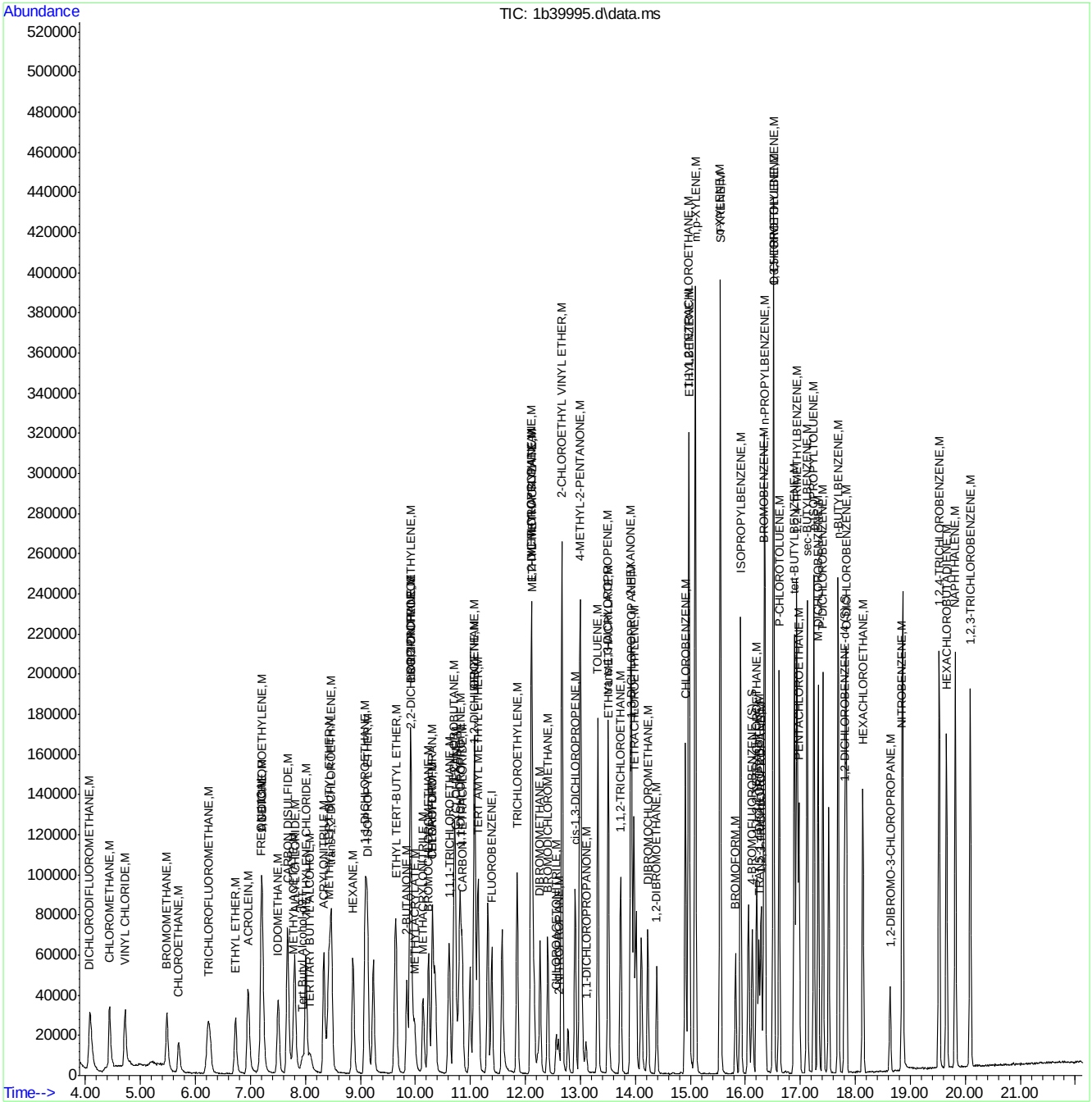
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) NITROBENZENE	18.845	77	26903	134.78	PPb	98
95) 1,2,4-TRICHLOROBENZENE	19.522	180	78918	10.01	PPb	99
96) HEXACHLOROBUTADIENE	19.658	225	43495	10.07	PPb	95
97) NAPHTHALENE	19.820	128	191481	10.14	PPb	99
98) 1,2,3-TRICHLOROBENZENE	20.093	180	74897	9.97	PPb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39995.d
Acq On : 1 Dec 2009 12:00 pm
Operator : mei
Sample : ic1749-10
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 01 12:26:49 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 11:58:48 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39996.d
Acq On : 1 Dec 2009 12:37 pm
Operator : mei
Sample : ic1749-20
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 01 13:24:25 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 12:27:18 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.950	65	21185	50.00	PPB		0.00
3) FLUOROBENZENE	11.390	96	67749	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.124	95	26410	5.13	PPb		0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 102.60%				
5) 1,2-DICHLOROBENZENE-d4...	17.812	152	30951	5.07	PPb		0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 101.40%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.081	59	49381	106.23	PPb		87
6) DICHLORODIFLUOROMETHANE	4.076	85	115470	21.88	PPb		99
7) CHLOROMETHANE	4.432	50	100506	19.18	PPb		91
8) VINYL CHLORIDE	4.721	62	96219	21.43	PPb		92
9) BROMOMETHANE	5.476	94	65967	19.73	PPb		93
10) CHLOROETHANE	5.691	64	48031	20.68	PPb		95
11) TRICHLOROFLUOROMETHANE	6.236	101	132294	22.32	PPb		97
12) ETHYL ETHER	6.723	45	45152	20.40	PPb	#	87
13) ACROLEIN	6.954	56	136513	217.92	PPb		99
14) 1,1-DICHLOROETHYLENE	7.201	96	60515	20.23	PPb		99
15) FREON 113	7.201	151	59489	23.74	PPb		95
16) ACETONE	7.206	58	29055	91.11	PPb		97
17) IODOMETHANE	7.499	142	132966	20.61	PPb		98
18) CARBON DISULFIDE	7.672	76	228315	20.59	PPb		100
19) METHYL ACETATE	7.777	74	13902	27.10	PPb	#	75
20) ALLYL CHLORIDE	7.803	76	38617	20.10	PPb		96
21) METHYLENE CHLORIDE	8.008	84	75654	18.33	PPb		97
22) ACRYLONITRILE	8.328	53	162326	107.56	PPb		100
23) METHYL TERT BUTYL ETHER	8.427	73	235416	20.56	PPb		98
24) trans-1,2-DICHLOROETHY...	8.469	61	103435	20.84	PPb		98
25) HEXANE	8.863	57	92574	22.47	PPb		98
26) 1,1-DICHLOROETHANE	9.088	63	127189	20.20	PPb		98
27) DI-ISOPROPYL ETHER	9.119	45	234030	21.73	PPb		97
28) ETHYL TERT-BUTYL ETHER	9.633	59	240169	22.09	PPb		96
29) 2-BUTANONE	9.838	72	40472	92.16	PPb		97
30) 2,2-DICHLOROPROPANE	9.922	77	115928	19.81	PPb		98
31) cis-1,2-DICHLOROETHYLENE	9.911	61	130498	20.73	PPb		98
32) PROPIONITRILE	9.906	54	128088	213.09	PPb		85
33) METHYLACRYLATE	9.974	55	78160	22.47	PPb		94
34) METHACRYLONITRILE	10.137	41	54455	19.91	PPb		99
35) BROMOCHLOROMETHANE	10.236	128	44233	21.36	PPb		92
36) CHLOROFORM	10.310	83	138806	20.76	PPb		98
37) TETRAHYDROFURAN	10.299	42	31010	18.73	PPb		93
38) 1,1,1-TRICHLOROETHANE	10.609	97	124466	20.93	PPb		99
39) CYCLOHEXANE	10.719	84	102309	21.31	PPb	#	100
40) 1-CHLOROBUTANE	10.703	56	257355	20.95	PPb		95
41) 1,1-DICHLOROPROPENE	10.808	75	100041	20.51	PPb		96
42) CARBON TETRACHLORIDE	10.850	117	114250	21.44	PPb		97
43) 1,2-DICHLOROETHANE	11.059	62	113723	20.90	PPb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39996.d
Acq On : 1 Dec 2009 12:37 pm
Operator : mei
Sample : ic1749-20
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 01 13:24:25 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 12:27:18 2009
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	BENZENE	11.075	78	283712	20.30	PPb	98
45)	TERT AMYL METHYL ETHER	11.133	73	240008	21.48	PPB	99
46)	TRICHLOROETHYLENE	11.846	95	79337	20.85	PPb	97
47)	METHYLCYCLOHEXANE	12.113	83	125962	22.79	PPb	99
48)	METHYL METHACRYLATE	12.113	69	85653	22.77	PPb	94
49)	1,2-DICHLOROPROPANE	12.098	63	74329	20.87	PPb	99
50)	DIBROMOMETHANE	12.265	93	55633	20.85	PPb	96
51)	BROMODICHLOROMETHANE	12.407	83	108576	21.49	PPb	100
52)	CHLOROACETONITRILE	12.559	75	26232	122.84	PPb	95
53)	2-NITROPROPANE	12.601	41	24688	19.20	PPb	95
54)	2-CHLOROETHYL VINYL ETHER	12.664	63	286313	113.83	PPb	99
55)	cis-1,3-DICHLOROPROPENE	12.905	75	125856	20.76	PPb	98
56)	4-METHYL-2-PENTANONE	12.994	58	145818	87.37	PPb	98
57)	1,1-DICHLOROPROPANONE	13.104	43	30913	19.84	PPb	98
58)	TOLUENE	13.314	92	180547	20.60	PPb	98
59)	trans-1,3-DICHLOROPROPENE	13.503	75	126507	21.54	PPb	96
60)	ETHYL METHACRYLATE	13.513	69	107319	22.04	PPb	96
61)	1,1,2-TRICHLOROETHANE	13.728	83	63807	20.97	PPb	97
62)	1,3-DICHLOROPROPANE	13.933	76	119656	20.50	PPb	96
63)	2-HEXANONE	13.912	58	143854	87.15	PPb	98
64)	TETRACHLOROETHYLENE	13.975	166	91853	20.68	PPb	96
65)	DIBROMOCHLOROMETHANE	14.226	129	95073	21.97	PPb	100
66)	1,2-DIBROMOETHANE	14.389	107	85988	21.07	PPb	99
67)	CHLOROBENZENE	14.908	112	213771	21.06	PPb	96
68)	1,1,1,2-TETRACHLOROETHANE	14.971	131	85782	20.81	PPb	97
69)	ETHYLBENZENE	14.976	91	360767	21.00	PPb	98
70)	m,p-XYLENE	15.091	106	280446	41.81	PPb	95
71)	o-XYLENE	15.542	106	141369	21.20	PPb	99
72)	STYRENE	15.547	104	235543	21.73	PPb	99
73)	BROMOFORM	15.820	173	73020	22.54	PPb	98
74)	ISOPROPYLBENZENE	15.914	105	369387	20.98	PPb	99
75)	BROMOBENZENE	16.339	156	105442	20.98	PPb	98
76)	1,1,2,2-TETRACHLOROETHANE	16.208	83	114142	20.35	PPb	100
77)	TRANS-1,4-DICHLORO-2-B...	16.245	53	32234	21.25	PPb	98
78)	1,2,3-TRICHLOROPROPANE	16.287	110	29990	20.66	PPb	84
79)	n-PROPYLBENZENE	16.355	91	434549	20.87	PPb	99
80)	O-CHLOROTOLUENE	16.517	126	91848	20.64	PPb	90
81)	1,3,5-TRIMETHYLBENZENE	16.512	105	315860	21.30	PPb	98
82)	P-CHLOROTOLUENE	16.617	91	273109	20.47	PPb	98
83)	tert-BUTYLBENZENE	16.895	119	281542	21.23	PPb	99
84)	1,2,4-TRIMETHYLBENZENE	16.937	105	322782	20.93	PPb	98
85)	PENTACHLOROETHANE	16.979	167	67897	21.93	PPb	92
86)	sec-BUTYLBENZENE	17.126	105	417595	21.19	PPb	99
87)	p-ISOPROPYLTOLUENE	17.246	119	350903	21.25	PPb	100
88)	M-DICHLOROBENZENE	17.325	146	197548	20.39	PPb	99
89)	P-DICHLOROBENZENE	17.414	146	203750	20.49	PPb	100
90)	n-BUTYLBENZENE	17.687	92	182221	20.95	PPb	98
91)	O-DICHLOROBENZENE	17.833	146	196841	20.30	PPb	99
92)	HEXACHLOROETHANE	18.138	201	66123	21.96	PPb	96
93)	1,2-DIBROMO-3-CHLOROPR...	18.630	155	22868	21.62	PPb	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39996.d
Acq On : 1 Dec 2009 12:37 pm
Operator : mei
Sample : ic1749-20
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 01 13:24:25 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 12:27:18 2009
Response via : Initial Calibration

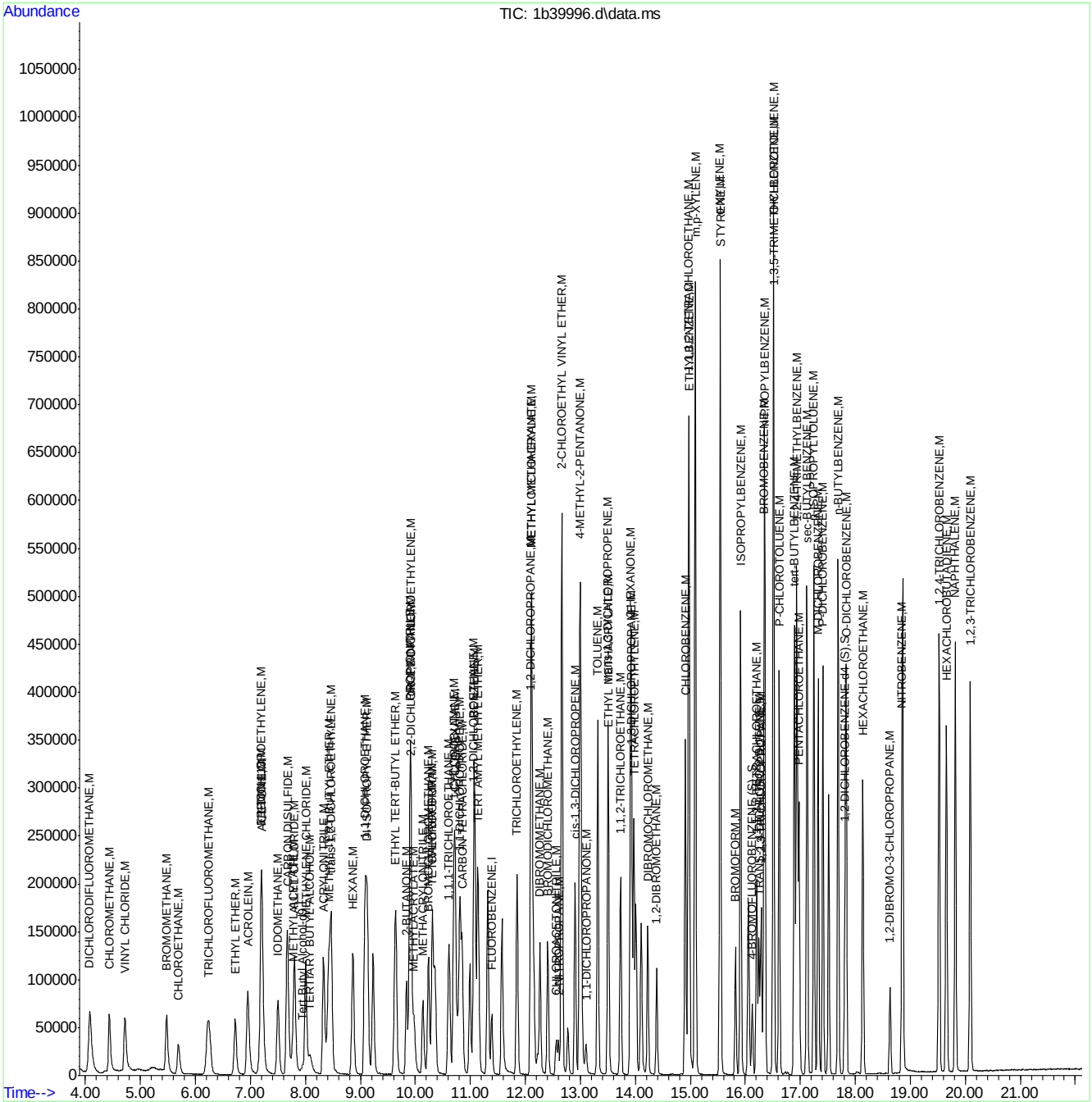
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) NITROBENZENE	18.845	77	62020	287.66	PPb	99
95) 1,2,4-TRICHLOROBENZENE	19.527	180	171918	21.59	PPb	99
96) HEXACHLOROBUTADIENE	19.658	225	95285	21.81	PPb	96
97) NAPHTHALENE	19.821	128	416359	21.77	PPb	99
98) 1,2,3-TRICHLOROBENZENE	20.093	180	162300	21.40	PPb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39996.d
Acq On : 1 Dec 2009 12:37 pm
Operator : mei
Sample : ic1749-20
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 01 13:24:25 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 12:27:18 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39997.d
Acq On : 1 Dec 2009 1:13 pm
Operator : mei
Sample : ic1749-40
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 01 13:49:23 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:24:41 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.955	65	22824	50.00	PPB		0.00
3) FLUOROBENZENE	11.390	96	70000	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.124	95	26846	5.03	PPb		0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 100.60%				
5) 1,2-DICHLOROBENZENE-d4...	17.812	152	32477	5.14	PPb		0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 102.80%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.092	59	103970	205.47	PPb		96
6) DICHLORODIFLUOROMETHANE	4.081	85	234809	42.40	PPb		96
7) CHLOROMETHANE	4.443	50	206160	38.34	PPb		93
8) VINYL CHLORIDE	4.731	62	199349	42.46	PPb		96
9) BROMOMETHANE	5.475	94	138395	40.15	PPb		98
10) CHLOROETHANE	5.685	64	98718	40.91	PPb		92
11) TRICHLOROFLUOROMETHANE	6.230	101	270382	43.32	PPb		95
12) ETHYL ETHER	6.723	45	92574	40.34	PPb		89
13) ACROLEIN	6.949	56	286874	435.42	PPb		100
14) 1,1-DICHLOROETHYLENE	7.206	96	124258	40.13	PPb		98
15) FREON 113	7.206	151	121319	45.44	PPb		96
16) ACETONE	7.206	58	60021	178.04	PPb		92
17) IODOMETHANE	7.499	142	273690	40.86	PPb		97
18) CARBON DISULFIDE	7.672	76	469317	40.76	PPb		100
19) METHYL ACETATE	7.777	74	29382	51.75	PPb	#	75
20) ALLYL CHLORIDE	7.803	76	81109	40.82	PPb		95
21) METHYLENE CHLORIDE	8.008	84	154525	36.74	PPb		96
22) ACRYLONITRILE	8.328	53	332557	210.62	PPb		99
23) METHYL TERT BUTYL ETHER	8.427	73	473485	39.83	PPb		98
24) trans-1,2-DICHLOROETHY...	8.469	61	210060	40.68	PPb		98
25) HEXANE	8.868	57	192207	44.25	PPb		96
26) 1,1-DICHLOROETHANE	9.088	63	258350	39.64	PPb		98
27) DI-ISOPROPYL ETHER	9.119	45	483301	42.82	PPb		99
28) ETHYL TERT-BUTYL ETHER	9.638	59	495471	43.35	PPb		99
29) 2-BUTANONE	9.838	72	83794	180.10	PPb		98
30) 2,2-DICHLOROPROPANE	9.922	77	229641	38.04	PPb		98
31) cis-1,2-DICHLOROETHYLENE	9.906	61	265805	40.62	PPb		98
32) PROPIONITRILE	9.906	54	266784	424.91	PPb		94
33) METHYLACRYLATE	9.979	55	159616	43.52	PPb		94
34) METHACRYLONITRILE	10.136	41	110561	39.16	PPb		98
35) BROMOCHLOROMETHANE	10.236	128	89999	41.58	PPb		92
36) CHLOROFORM	10.310	83	281709	40.52	PPb		98
37) TETRAHYDROFURAN	10.299	42	62146	36.71	PPb		93
38) 1,1,1-TRICHLOROETHANE	10.608	97	250977	40.54	PPb		99
39) CYCLOHEXANE	10.724	84	211020	42.09	PPb	#	100
40) 1-CHLOROBUTANE	10.703	56	530465	41.46	PPb		85
41) 1,1-DICHLOROPROPENE	10.808	75	206686	40.83	PPb		97
42) CARBON TETRACHLORIDE	10.850	117	232286	41.69	PPb		99
43) 1,2-DICHLOROETHANE	11.059	62	229599	40.54	PPb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39997.d
Acq On : 1 Dec 2009 1:13 pm
Operator : mei
Sample : ic1749-40
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 01 13:49:23 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:24:41 2009
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	BENZENE	11.075	78	586030	40.49	PPB		98
45)	TERT AMYL METHYL ETHER	11.138	73	493864	42.26	PPB		99
46)	TRICHLOROETHYLENE	11.846	95	162134	40.95	PPb		96
47)	METHYLCYCLOHEXANE	12.113	83	262737	44.96	PPb		97
48)	METHYL METHACRYLATE	12.113	69	179455	45.12	PPb		93
49)	1,2-DICHLOROPROPANE	12.103	63	154155	41.58	PPb		97
50)	DIBROMOMETHANE	12.265	93	114427	41.22	PPb		99
51)	BROMODICHLOROMETHANE	12.407	83	223154	42.22	PPb		99
52)	CHLOROACETONITRILE	12.559	75	57506	251.07	PPb		96
53)	2-NITROPROPANE	12.601	41	50440	38.23	PPb		94
54)	2-CHLOROETHYL VINYL ETHER	12.664	63	598470	225.10	PPb		99
55)	cis-1,3-DICHLOROPROPENE	12.905	75	263776	41.85	PPb		99
56)	4-METHYL-2-PENTANONE	12.994	58	292473	167.04	PPb		100
57)	1,1-DICHLOROPROPANONE	13.099	43	70579	43.89	PPb		98
58)	TOLUENE	13.319	92	379743	41.73	PPb		99
59)	trans-1,3-DICHLOROPROPENE	13.503	75	262547	42.72	PPb		97
60)	ETHYL METHACRYLATE	13.508	69	225238	44.02	PPb		98
61)	1,1,2-TRICHLOROETHANE	13.733	83	133482	42.12	PPb		95
62)	1,3-DICHLOROPROPANE	13.927	76	245679	40.56	PPb		88
63)	2-HEXANONE	13.911	58	290072	167.58	PPb		99
64)	TETRACHLOROETHYLENE	13.974	166	187961	40.73	PPb		97
65)	DIBROMOCHLOROMETHANE	14.226	129	200021	44.01	PPb		100
66)	1,2-DIBROMOETHANE	14.389	107	177557	41.74	PPb		99
67)	CHLOROBENZENE	14.908	112	445631	42.11	PPb		97
68)	1,1,1,2-TETRACHLOROETHANE	14.971	131	176719	41.21	PPb		94
69)	ETHYLBENZENE	14.976	91	746226	41.70	PPb		100
70)	m,p-XYLENE	15.091	106	590024	84.50	PPb		99
71)	o-XYLENE	15.542	106	290694	41.78	PPb		100
72)	STYRENE	15.547	104	498141	43.84	PPb		97
73)	BROMOFORM	15.820	173	156183	45.70	PPb		98
74)	ISOPROPYLBENZENE	15.914	105	759318	41.40	PPb		99
75)	BROMOBENZENE	16.339	156	219158	41.87	PPb		96
76)	1,1,2,2-TETRACHLOROETHANE	16.208	83	232224	39.96	PPb		99
77)	TRANS-1,4-DICHLORO-2-B...	16.245	53	65920	41.63	PPb		91
78)	1,2,3-TRICHLOROPROPANE	16.287	110	60917	40.40	PPb	#	66
79)	n-PROPYLBENZENE	16.355	91	893589	41.24	PPb		99
80)	O-CHLOROTOLUENE	16.512	126	188378	40.75	PPb		95
81)	1,3,5-TRIMETHYLBENZENE	16.512	105	645333	41.67	PPb		99
82)	P-CHLOROTOLUENE	16.617	91	562577	40.65	PPb		99
83)	tert-BUTYLBENZENE	16.890	119	582288	42.07	PPb		98
84)	1,2,4-TRIMETHYLBENZENE	16.937	105	662261	41.23	PPb		96
85)	PENTACHLOROETHANE	16.979	167	141609	43.57	PPb		94
86)	sec-BUTYLBENZENE	17.125	105	852402	41.46	PPb		99
87)	p-ISOPROPYLTOLUENE	17.246	119	710261	41.19	PPb		100
88)	M-DICHLOROBENZENE	17.325	146	406628	40.49	PPb		97
89)	P-DICHLOROBENZENE	17.414	146	417496	40.47	PPb		100
90)	n-BUTYLBENZENE	17.686	92	373813	41.27	PPb		98
91)	O-DICHLOROBENZENE	17.833	146	402541	40.08	PPb		99
92)	HEXACHLOROETHANE	18.137	201	136475	43.16	PPb		95
93)	1,2-DIBROMO-3-CHLOROPR...	18.630	155	46632	42.11	PPb		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39997.d
Acq On : 1 Dec 2009 1:13 pm
Operator : mei
Sample : ic1749-40
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 01 13:49:23 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:24:41 2009
Response via : Initial Calibration

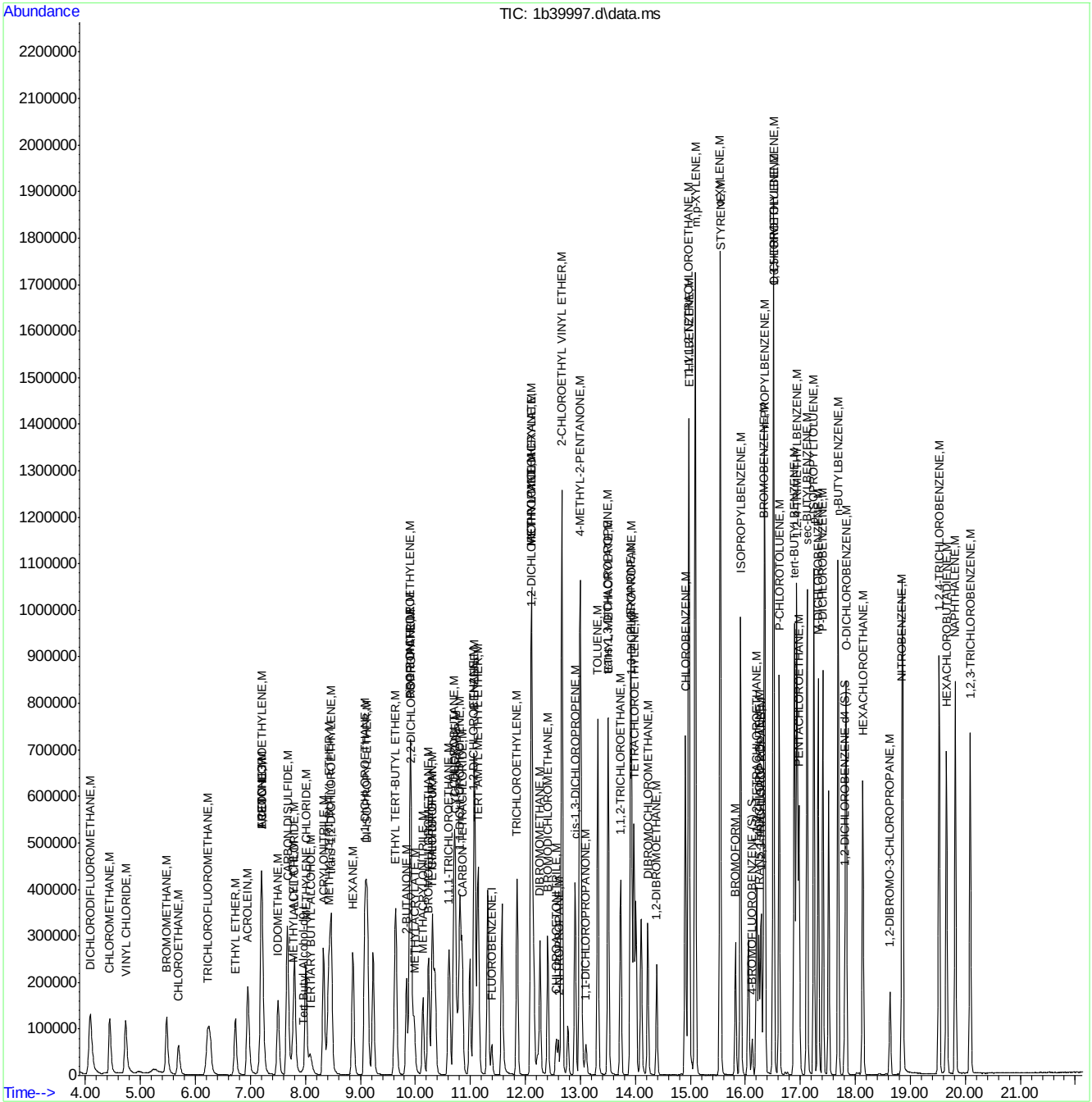
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	NITROBENZENE	18.845	77	160898	673.10	PPb	96
95)	1,2,4-TRICHLOROBENZENE	19.522	180	337952	40.53	PPb	99
96)	HEXACHLOROBUTADIENE	19.658	225	185057	40.39	PPb	96
97)	NAPHTHALENE	19.820	128	789286	39.37	PPb	99
98)	1,2,3-TRICHLOROBENZENE	20.093	180	291942	36.83	PPb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39997.d
Acq On : 1 Dec 2009 1:13 pm
Operator : mei
Sample : ic1749-40
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 01 13:49:23 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:24:41 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39999.d
Acq On : 1 Dec 2009 2:25 pm
Operator : mei
Sample : icv1749-10
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 01 14:48:38 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.945	65	22700	50.00	PPB		-0.01
3) FLUOROBENZENE	11.384	96	71633	5.00	PPb		0.00
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.124	95	26652	4.87	PPb		0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 97.40%				
5) 1,2-DICHLOROBENZENE-d4...	17.807	152	32133	4.95	PPb		0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 99.00%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.076	59	22929	45.38	PPb		89
6) DICHLORODIFLUOROMETHANE	4.070	85	47519	8.31	PPb		99
7) CHLOROMETHANE	4.437	50	47511	8.69	PPb		94
8) VINYL CHLORIDE	4.710	62	44877	9.26	PPb		96
9) BROMOMETHANE	5.481	94	32960	9.34	PPb		100
10) CHLOROETHANE	5.685	64	23224	9.37	PPb		92
11) TRICHLOROFLUOROMETHANE	6.236	101	60778	9.40	PPb		99
12) ETHYL ETHER	6.723	45	23960	10.19	PPb		93
13) ACROLEIN	6.954	56	70951	103.70	PPb		98
14) 1,1-DICHLOROETHYLENE	7.206	96	33824	10.67	PPb		97
15) FREON 113	7.200	151	28158	10.11	PPb		96
16) ACETONE	7.216	58	13938	39.76	PPb		84
17) IODOMETHANE	7.494	142	70529	10.26	PPb		99
18) CARBON DISULFIDE	7.667	76	113526	9.61	PPb		99
19) METHYL ACETATE	7.782	74	6427	10.55	PPb	#	1
20) ALLYL CHLORIDE	7.803	76	20646	10.12	PPb		87
21) METHYLENE CHLORIDE	8.008	84	40263	9.47	PPb		95
22) ACRYLONITRILE	8.328	53	79210	48.65	PPb		98
23) METHYL TERT BUTYL ETHER	8.427	73	120736	9.93	PPb		96
24) trans-1,2-DICHLOROETHY...	8.469	61	52456	9.90	PPb		98
25) HEXANE	8.862	57	43089	9.55	PPb		95
26) 1,1-DICHLOROETHANE	9.088	63	67056	10.07	PPb		97
27) DI-ISOPROPYL ETHER	9.119	45	111831	9.59	PPb		98
28) ETHYL TERT-BUTYL ETHER	9.633	59	114087	9.64	PPb		100
29) 2-BUTANONE	9.838	72	19529	40.29	PPb		96
30) 2,2-DICHLOROPROPANE	9.922	77	58300	9.50	PPb		99
31) cis-1,2-DICHLOROETHYLENE	9.906	61	68982	10.28	PPb		99
32) PROPIONITRILE	9.911	54	65047	100.35	PPb		86
33) METHYLACRYLATE	9.979	55	40358	10.62	PPb		96
34) METHACRYLONITRILE	10.137	41	28563	9.92	PPb		98
35) BROMOCHLOROMETHANE	10.241	128	22976	10.32	PPb		93
36) CHLOROFORM	10.310	83	73388	10.30	PPb		98
37) TETRAHYDROFURAN	10.304	42	16324	10.09	PPb		96
38) 1,1,1-TRICHLOROETHANE	10.608	97	64261	10.12	PPb		99
39) CYCLOHEXANE	10.724	84	49016	9.48	PPb	#	100
40) 1-CHLOROBUTANE	10.708	56	125154	9.51	PPb		95
41) 1,1-DICHLOROPROPENE	10.808	75	51783	9.97	PPb		97
42) CARBON TETRACHLORIDE	10.850	117	58185	10.14	PPb		99
43) 1,2-DICHLOROETHANE	11.059	62	58177	10.02	PPb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39999.d
Acq On : 1 Dec 2009 2:25 pm
Operator : mei
Sample : icv1749-10
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 01 14:48:38 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	BENZENE	11.075	78	145537	9.81	PPB	98
45)	TERT AMYL METHYL ETHER	11.138	73	114848	9.53	PPB	100
46)	TRICHLOROETHYLENE	11.846	95	41231	10.14	PPB	95
47)	METHYLCYCLOHEXANE	12.113	83	59417	9.76	PPB	99
48)	METHYL METHACRYLATE	12.113	69	43019	10.38	PPB	96
49)	1,2-DICHLOROPROPANE	12.103	63	39247	10.29	PPB	96
50)	DIBROMOMETHANE	12.265	93	29897	10.48	PPB	97
51)	BROMODICHLOROMETHANE	12.407	83	57736	10.59	PPB	99
52)	CHLOROACETONITRILE	12.559	75	14262	58.71	PPB	96
53)	2-NITROPROPANE	12.601	41	13606	10.14	PPB	95
54)	2-CHLOROETHYL VINYL ETHER	12.664	63	133988	48.38	PPB	98
55)	cis-1,3-DICHLOROPROPENE	12.905	75	68312	10.52	PPB	99
56)	4-METHYL-2-PENTANONE	12.994	58	70261	38.97	PPB	95
57)	1,1-DICHLOROPROPANONE	13.104	43	17375	10.41	PPB	99
58)	TOLUENE	13.319	92	93231	9.95	PPB	96
59)	trans-1,3-DICHLOROPROPENE	13.503	75	66982	10.55	PPB	96
60)	ETHYL METHACRYLATE	13.508	69	58008	10.92	PPB	98
61)	1,1,2-TRICHLOROETHANE	13.728	83	35177	10.77	PPB	96
62)	1,3-DICHLOROPROPANE	13.927	76	64689	10.42	PPB	95
63)	2-HEXANONE	13.912	58	69748	39.11	PPB	97
64)	TETRACHLOROETHYLENE	13.969	166	47668	10.07	PPB	97
65)	DIBROMOCHLOROMETHANE	14.226	129	49323	10.46	PPB	99
66)	1,2-DIBROMOETHANE	14.389	107	45995	10.50	PPB	99
67)	CHLOROBENZENE	14.908	112	112165	10.28	PPB	94
68)	1,1,1,2-TETRACHLOROETHANE	14.971	131	45771	10.39	PPB	94
69)	ETHYLBENZENE	14.971	91	182841	9.92	PPB	99
70)	m,p-XYLENE	15.086	106	145436	20.19	PPB	94
71)	o-XYLENE	15.542	106	75538	10.54	PPB	99
72)	STYRENE	15.542	104	120637	10.23	PPB	100
73)	BROMOFORM	15.820	173	38547	10.80	PPB	99
74)	ISOPROPYLBENZENE	15.914	105	163730	8.68	PPB	99
75)	BROMOBENZENE	16.339	156	55640	10.32	PPB	96
76)	1,1,2,2-TETRACHLOROETHANE	16.208	83	61970	10.42	PPB	99
77)	TRANS-1,4-DICHLORO-2-B...	16.250	53	17508	10.74	PPB	92
78)	1,2,3-TRICHLOROPROPANE	16.287	110	18378	11.89	PPB	82
79)	n-PROPYLBENZENE	16.355	91	221871	9.96	PPB	99
80)	O-CHLOROTOLUENE	16.512	126	48786	10.29	PPB	92
81)	1,3,5-TRIMETHYLBENZENE	16.512	105	160629	10.08	PPB	100
82)	P-CHLOROTOLUENE	16.612	91	141336	9.96	PPB	99
83)	tert-BUTYLBENZENE	16.890	119	145908	10.23	PPB	96
84)	1,2,4-TRIMETHYLBENZENE	16.937	105	164503	9.97	PPB	97
85)	PENTACHLOROETHANE	16.973	167	36184	10.74	PPB	95
86)	sec-BUTYLBENZENE	17.120	105	213319	10.09	PPB	99
87)	p-ISOPROPYLTOLUENE	17.246	119	181218	10.23	PPB	100
88)	M-DICHLOROBENZENE	17.325	146	105225	10.22	PPB	97
89)	P-DICHLOROBENZENE	17.409	146	107414	10.16	PPB	99
90)	n-BUTYLBENZENE	17.686	92	93317	10.02	PPB	98
91)	O-DICHLOROBENZENE	17.828	146	104223	10.14	PPB	95
92)	HEXACHLOROETHANE	18.137	201	35189	10.75	PPB	96
93)	1,2-DIBROMO-3-CHLOROPR...	18.630	155	12315	10.79	PPB	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39999.d
Acq On : 1 Dec 2009 2:25 pm
Operator : mei
Sample : icv1749-10
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 01 14:48:38 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

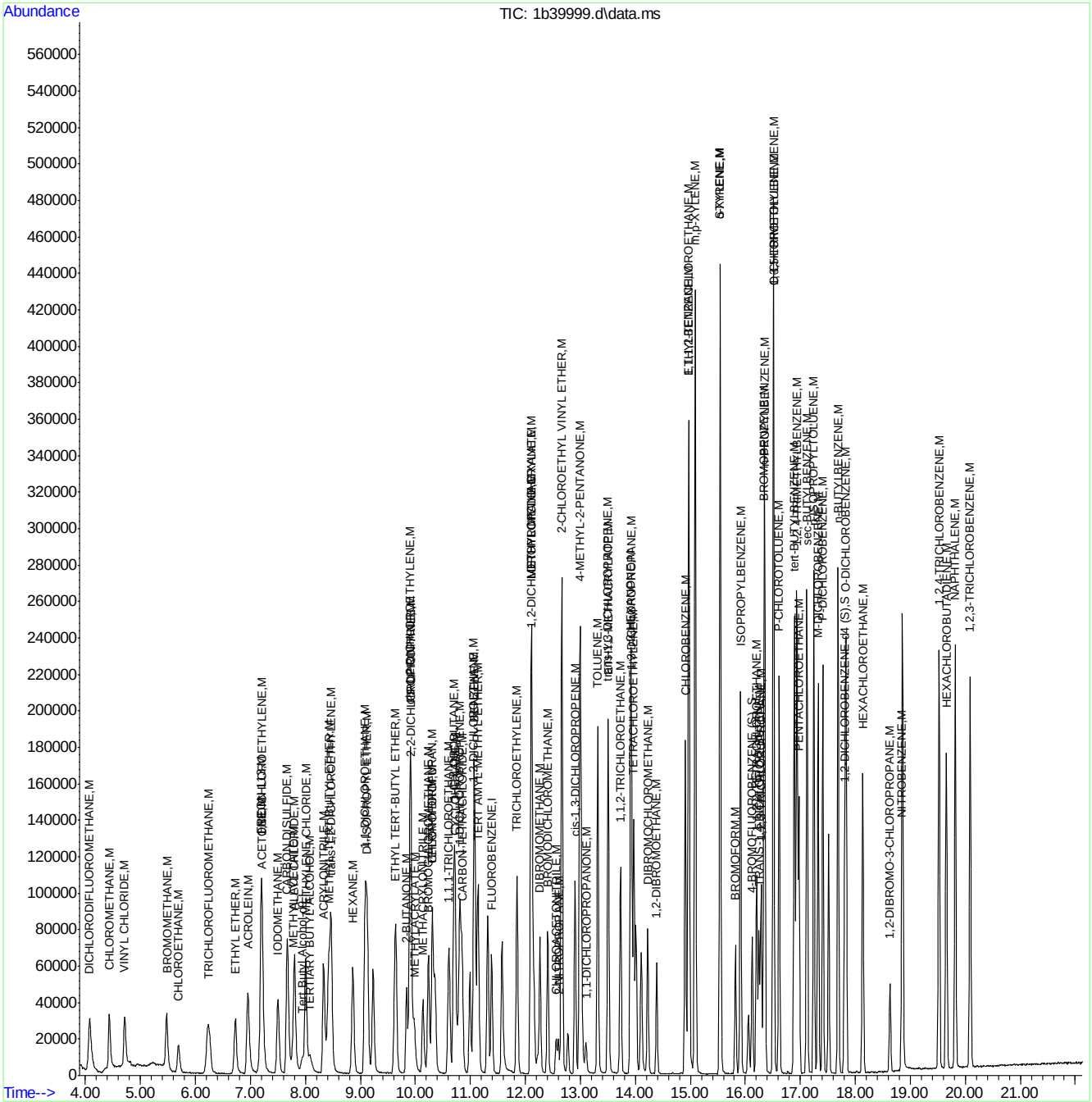
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) NITROBENZENE	18.840	77	27376	120.09	PPb	98
95) 1,2,4-TRICHLOROBENZENE	19.522	180	86637	10.13	PPb	98
96) HEXACHLOROBUTADIENE	19.658	225	46674	9.94	PPb	97
97) NAPHTHALENE	19.820	128	215547	10.53	PPb	99
98) 1,2,3-TRICHLOROBENZENE	20.088	180	83722	10.44	PPb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b39999.d
Acq On : 1 Dec 2009 2:25 pm
Operator : mei
Sample : icv1749-10
Misc : MS89300,V1B1749,W,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 01 14:48:38 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40143.d
Acq On : 5 Dec 2009 10:16 am
Operator : mei
Sample : cc1749-10
Misc : MS89711,V1B1757,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 07:03:21 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.940	65	18006	50.00	PPB		-0.02
3) FLUOROBENZENE	11.379	96	56494	5.00	PPb		-0.01
System Monitoring Compounds							
4) 4-BROMOFLUOROBENZENE (S)	16.119	95	23611	5.48	PPb		0.00
Spiked Amount 5.000	Range 77 - 115		Recovery = 109.60%				
5) 1,2-DICHLOROBENZENE-d4...	17.807	152	28682	5.60	PPb		0.00
Spiked Amount 5.000	Range 78 - 114		Recovery = 112.00%				
Target Compounds							Qvalue
2) TERTIARY BUTYL ALCOHOL	8.076	59	21440	53.50	PPb		93
6) DICHLORODIFLUOROMETHANE	4.065	85	56783	12.60	PPb		94
7) CHLOROMETHANE	4.427	50	40498	9.39	PPb		91
8) VINYL CHLORIDE	4.710	62	38815	10.16	PPb		93
9) BROMOMETHANE	5.465	94	28852	10.37	PPb		97
10) CHLOROETHANE	5.675	64	19720	10.09	PPb		95
11) TRICHLOROFLUOROMETHANE	6.225	101	65326	12.82	PPb		96
12) ETHYL ETHER	6.718	45	17239	9.30	PPb		94
13) ACROLEIN	6.943	56	52218	96.78	PPb		100
14) 1,1-DICHLOROETHYLENE	7.195	96	24599	9.84	PPb		92
15) FREON 113	7.185	151	26949	12.27	PPb		94
16) ACETONE	7.195	58	11768	42.57	PPb		95
17) IODOMETHANE	7.494	142	54529	10.06	PPb		91
18) CARBON DISULFIDE	7.657	76	92849	9.96	PPb		100
19) METHYL ACETATE	7.772	74	5648	11.75	PPb	#	91
20) ALLYL CHLORIDE	7.793	76	16194	10.07	PPb	#	83
21) METHYLENE CHLORIDE	7.997	84	30895	9.21	PPb		92
22) ACRYLONITRILE	8.322	53	63691	49.60	PPb		98
23) METHYL TERT BUTYL ETHER	8.417	73	96851	10.10	PPb		98
24) trans-1,2-DICHLOROETHY...	8.459	61	42826	10.25	PPb		95
25) HEXANE	8.857	57	37445	10.52	PPb		96
26) 1,1-DICHLOROETHANE	9.077	63	53128	10.11	PPb		97
27) DI-ISOPROPYL ETHER	9.109	45	90248	9.81	PPb		98
28) ETHYL TERT-BUTYL ETHER	9.628	59	98013	10.50	PPb		98
29) 2-BUTANONE	9.832	72	16216	42.43	PPb		93
30) 2,2-DICHLOROPROPANE	9.911	77	54783	11.32	PPb		98
31) cis-1,2-DICHLOROETHYLENE	9.895	61	54597	10.31	PPb		98
32) PROPIONITRILE	9.895	54	51475	100.69	PPb		95
33) METHYLACRYLATE	9.969	55	29013	9.68	PPb		95
34) METHACRYLONITRILE	10.126	41	20923	9.21	PPb		98
35) BROMOCHLOROMETHANE	10.231	128	17808	10.14	PPb		96
36) CHLOROFORM	10.299	83	62182	11.06	PPb		98
37) TETRAHYDROFURAN	10.294	42	12644	9.91	PPb		93
38) 1,1,1-TRICHLOROETHANE	10.603	97	58150	11.62	PPb		97
39) CYCLOHEXANE	10.713	84	41485	10.18	PPb	#	100
40) 1-CHLOROBUTANE	10.703	56	104473	10.07	PPb		94
41) 1,1-DICHLOROPROPENE	10.802	75	42762	10.44	PPb		95
42) CARBON TETRACHLORIDE	10.834	117	54223	11.99	PPb		97
43) 1,2-DICHLOROETHANE	11.054	62	53259	11.63	PPb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40143.d
Acq On : 5 Dec 2009 10:16 am
Operator : mei
Sample : cc1749-10
Misc : MS89711,V1B1757,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 07:03:21 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	BENZENE	11.070	78	114673	9.80	PPB	97
45)	TERT AMYL METHYL ETHER	11.127	73	97441	10.25	PPB	97
46)	TRICHLOROETHYLENE	11.840	95	33993	10.60	PPB	95
47)	METHYLCYCLOHEXANE	12.108	83	52879	11.02	PPB	100
48)	METHYL METHACRYLATE	12.108	69	32193	9.85	PPB	82
49)	1,2-DICHLOROPROPANE	12.097	63	29473	9.80	PPB	94
50)	DIBROMOMETHANE	12.255	93	23811	10.58	PPB	95
51)	BROMODICHLOROMETHANE	12.401	83	45959	10.69	PPB	100
52)	CHLOROACETONITRILE	12.554	75	10279	53.65	PPB	93
53)	2-NITROPROPANE	12.595	41	11105	10.49	PPB	99
54)	2-CHLOROETHYL VINYL ETHER	12.658	63	112725	51.61	PPB	99
55)	cis-1,3-DICHLOROPROPENE	12.900	75	50975	9.95	PPB	99
56)	4-METHYL-2-PENTANONE	12.989	58	59231	41.65	PPB	100
57)	1,1-DICHLOROPROPANONE	13.094	43	13056	9.92	PPB	98
58)	TOLUENE	13.314	92	74016	10.02	PPB	100
59)	trans-1,3-DICHLOROPROPENE	13.497	75	52261	10.44	PPB	96
60)	ETHYL METHACRYLATE	13.508	69	40005	9.55	PPB	99
61)	1,1,2-TRICHLOROETHANE	13.723	83	26248	10.19	PPB	97
62)	1,3-DICHLOROPROPANE	13.927	76	50240	10.26	PPB	97
63)	2-HEXANONE	13.911	58	57577	40.94	PPB	99
64)	TETRACHLOROETHYLENE	13.969	166	38916	10.42	PPB	97
65)	DIBROMOCHLOROMETHANE	14.221	129	39984	10.75	PPB	98
66)	1,2-DIBROMOETHANE	14.383	107	35342	10.23	PPB	97
67)	CHLOROBENZENE	14.908	112	87845	10.21	PPB	97
68)	1,1,1,2-TETRACHLOROETHANE	14.965	131	37777	10.87	PPB	94
69)	ETHYLBENZENE	14.971	91	150309	10.34	PPB	98
70)	m,p-XYLENE	15.086	106	116975	20.59	PPB	92
71)	o-XYLENE	15.537	106	57886	10.24	PPB	94
72)	STYRENE	15.542	104	94060	10.12	PPB	98
73)	BROMOFORM	15.820	173	29606	10.52	PPB	96
74)	ISOPROPYLBENZENE	15.909	105	158530	10.66	PPB	99
75)	BROMOBENZENE	16.339	156	45889	10.79	PPB	96
76)	1,1,2,2-TETRACHLOROETHANE	16.203	83	48292	10.30	PPB	97
77)	TRANS-1,4-DICHLORO-2-B...	16.245	53	12916	10.05	PPB	96
78)	1,2,3-TRICHLOROPROPANE	16.287	110	14001	11.49	PPB	88
79)	n-PROPYLBENZENE	16.349	91	188654	10.74	PPB	99
80)	O-CHLOROTOLUENE	16.512	126	39760	10.63	PPB	97
81)	1,3,5-TRIMETHYLBENZENE	16.512	105	137242	10.92	PPB	98
82)	P-CHLOROTOLUENE	16.612	91	120474	10.76	PPB	98
83)	tert-BUTYLBENZENE	16.890	119	120465	10.70	PPB	95
84)	1,2,4-TRIMETHYLBENZENE	16.937	105	143756	11.04	PPB	99
85)	PENTACHLOROETHANE	16.973	167	30532	11.49	PPB	95
86)	sec-BUTYLBENZENE	17.120	105	182378	10.93	PPB	97
87)	p-ISOPROPYLTOLUENE	17.246	119	155263	11.11	PPB	99
88)	M-DICHLOROBENZENE	17.325	146	88294	10.87	PPB	96
89)	P-DICHLOROBENZENE	17.409	146	90976	10.91	PPB	99
90)	n-BUTYLBENZENE	17.686	92	82007	11.17	PPB	97
91)	O-DICHLOROBENZENE	17.828	146	89743	11.07	PPB	97
92)	HEXACHLOROETHANE	18.137	201	29516	11.44	PPB	97
93)	1,2-DIBROMO-3-CHLOROPR...	18.630	155	9864	10.95	PPB	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40143.d
Acq On : 5 Dec 2009 10:16 am
Operator : mei
Sample : cc1749-10
Misc : MS89711,V1B1757,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 07:03:21 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration

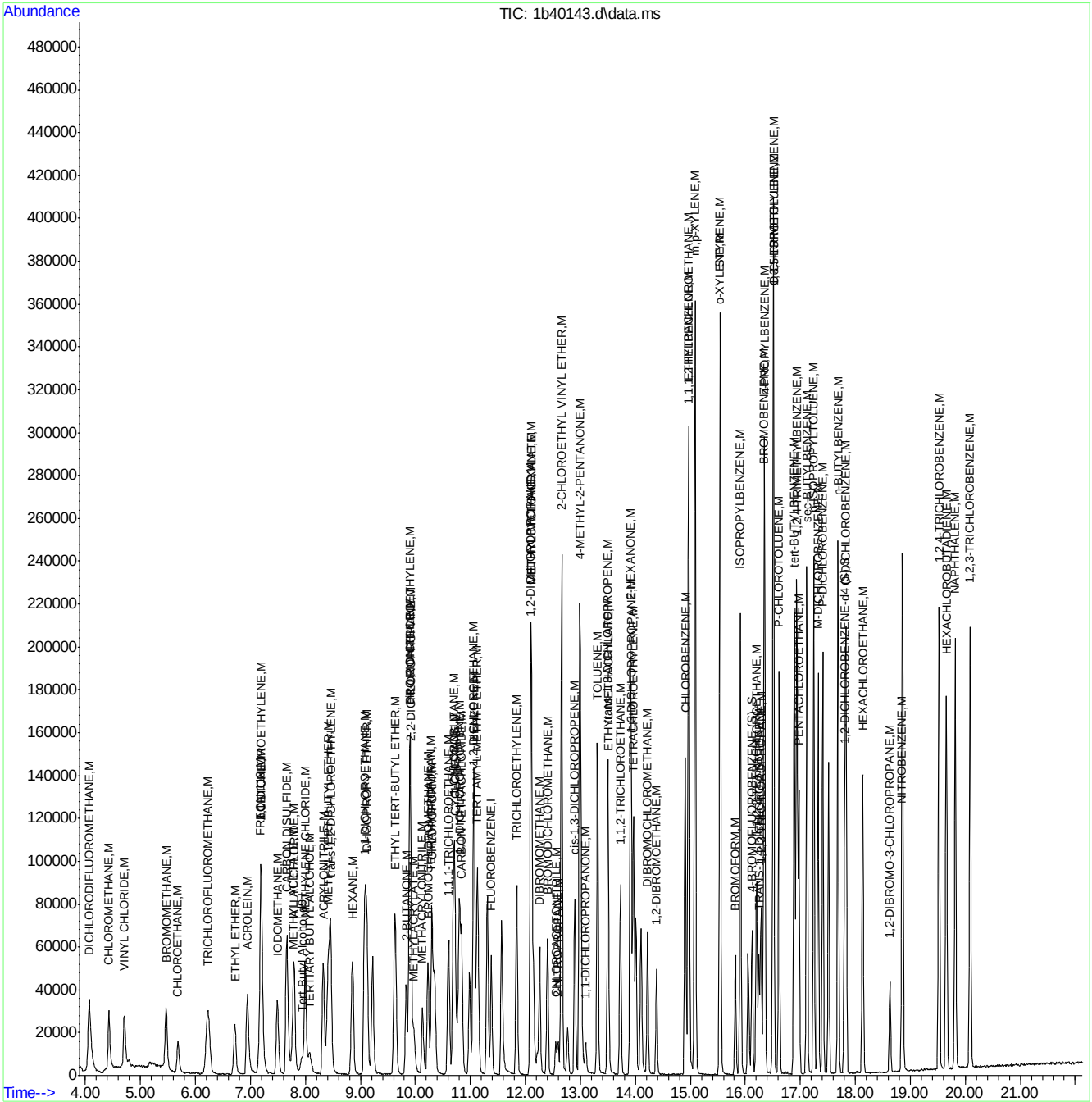
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) NITROBENZENE	18.840	77	18502	102.91	PPb	96
95) 1,2,4-TRICHLOROBENZENE	19.522	180	79387	11.78	PPb	97
96) HEXACHLOROBUTADIENE	19.658	225	46528	12.57	PPb	99
97) NAPHTHALENE	19.820	128	187671	11.62	PPb	99
98) 1,2,3-TRICHLOROBENZENE	20.088	180	76993	12.17	PPb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1B-CORE\
Data File : 1b40143.d
Acq On : 5 Dec 2009 10:16 am
Operator : mei
Sample : cc1749-10
Misc : MS89711,V1B1757,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 07:03:21 2009
Quant Method : C:\msdchem\1\METHODS\M1B1749.M
Quant Title : method 524, zb624 60mx0.25mmx1.4um
QLast Update : Tue Dec 01 13:49:45 2009
Response via : Initial Calibration



ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V1131749

Print Analyst Name: Mei Chu

Analyst Signature:

Date: 12/1/09

Columns: 7% 624 6mm x0.25mm x1.4um

Method V5M

Initial Cal. Method M101749

Standard Data

Lot #	Description	Conc.
V09-646-01	Cal A	100 ppb
-12	Extra	"
-26	Acrolein	100 ppb
-33	Vol Ani	"
-18	2/5	25/250 ppb

Standard Data

Lot #	Description	Conc.
V09-646-36	A	100 ppb
-19	B	
-44	C	"
-40	D	4 ug/gug
-39	Ketones	300 ppb

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: Date: 12/1

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
	1B39990	BFB											OK	8:58AM	
	39991	1C1749-05											OK		
	39992	2C1749-1											OK		
	39993	2C1749-2											OK		
	39994	2C1749-5											OK		
	39995	2C1749-10											OK		
	39996	2C1749-20											OK		
	39997	2C1749-40											OK		
	39998	IB1													
	39999	2CV1749-10											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

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

Notes

V1B1749

V524 Initial Calibration

Level	Volume	A STD	B STD	C STD	EXTRA D	KETONES	Acrolein
0.5PPB	200ml	1ul	1ul	1ul	1ul	1ul	1ul
1PPB	100ml	1ul	1ul	1ul	1ul	1ul	1ul
2PPB	100ml	2ul	2ul	2ul	2ul	2ul	2ul
5PPB	100ml	5ul	5ul	5ul	5ul	5ul	5ul
10PPB	50ml	5ul	5ul	5ul	5ul	5ul	5ul
20PPB	50ml	10ul	10ul	10ul	10ul	10ul	10ul
40PPB	50ml	20ul	20ul	20ul	20ul	20ul	20ul

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V1B1757

Print Analyst Name: Mei Chu

Analyst Signature:

Date: 12/5/19

Columns: 7B6M 60mX0.25mmX1.4um

Method VSM

Initial Cal. Method M1B1749

Standard Data

Lot #	Description	Conc.
[illegible]-01	Ext A	100
-42	Ext C	"
-36	Acids	1000
-33	Int Std	"
-18	2/3	25/2500

Standard Data

Lot #	Description	Conc.
[illegible]-26	A	100
-19	B	"
-44	C	"
-40	D	40/4000
-39	Ketones	300 PM

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: 12/8

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
	1B40142	IITIS				1							OK	9.29PM	
	40143	CCI7409-10				2					✓		OK	5ml ABCDK Am->50ml	
	40144	MB1				3					✓		OK		
	40145	BS				4					✓		OK	0.5ml/2mA, B, D, K 2mA+Tol->50ml	
	40146	JA33930-1	8260 5TIS		1	5	5ml		1X		✓		OK	HT 12hr (Tues)	
	40147	JA33930-2				6					✓		OK		
	40148	JA33930-3				7					✓		OK		
	40149	JA33930-4				8					✓		OK		
	40150	JA33930-5				9					✓		OK		
	40151	JA33930-1MS			2	10					✓		OK	20ml ABDK A+Tol->50ml	
	40152	JA33930-1MSD				11					✓		OK		
	40153	JA33930-6			1	12					✓		OK		
	40154	JA33930-7				13					✓		OK		
	40155	JA33930-8				14					✓		OK		
	40156	JA33912-9	8260 FullList		1	15					✓		OK		
	40157	JA33912-10				16					✓		OK		
	40158	JA33912-11				17					✓		OK	6:00 PM	

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

Form: OR001-9
Rev. Date: 2/14/2007

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