Case File Contents

Volatile Organic Compounds

VOCs by CLP Equivalent (trace)

WO 1201013

Dimock Residential Groundwater

DAS R33907

Summary of Results / Project Information

DIM0218843

GC/MS Volatile Organics (VOCs) Technical Review Checklist (TRC) Checklist

☑ CLP Equivalent (trace) ☐ 5030B/8260C ☐ 624 ☐ 524.2 ☐ 5035A/8260C ☐ Other: _____

For Internal Use Only

Site Name: Dimock Residential Groundwater WO#: 1201013
Analyst: Sue Warner Date given to Reviewer: 2-3-12
Matrix (circle): Solid / Aqueous / Other: SOP: R3-QA210.030410
Program (circle): Superfund / RCRA / WPD (NPDES) / SDWA / Other:

The signature below indicates the following:

- This data meets the needs of the customer according to the request.
- The analysis was performed as per the SOP, or exceptions documented.
- All documentation needed to recreate the analyses has been reviewed.
- Data Review status set to Peer Reviewed in Element.

Peer Reviewer signature Hoang Nguyen Date accepted 2/6/12

If any data for this case is stored with another case file, give Site Name and WO.

Peer Reviewer Completes Section Below:

	YES	NO	Comments
General:			
Raw data is identified with sample ID, site name, WO#, analyst name, date of analysis.	✓		
Quality Control:			
Instrument Conditions:			
BFB frequency and acceptance criteria met	✓		
Initial curve acceptable	✓		8 compounds out
Continuing calibration acceptable	✓		
Internal standard area counts within criteria	✓		See back note
Lab blank frequency and acceptance criteria met	✓		
Second source (QCS/LCS) acceptable	✓		7 compounds out high
Sample Analysis:			
Surrogate recovery acceptance criteria met		✓	DCA high in TB06
Matrix spike frequency and accept. criteria met	✓		No MSD - sample volume
Technical holding times met	✓		
Documentation:			
Run logs, supporting documentation reviewed	✓		
Sample preparation described	✓		
Spectral and retention time verification	✓		
Manual integration verified and documented	✓		
Data qualified as appropriate	✓		
Documentation is legible and complete	✓		
Calculations/Report:			
Calculations and transcriptions checked	✓		
Element Draft Report reviewed	✓		
Deviations and problems documented	✓		

Additional Comments by Peer Reviewer:

CC 1/27/12 - All ok
CC 1/30/12 - 2 outs
CC 1/31/12 - 4 outs
CC 2/2/12 - 2 outs
Surrogate Toluene-d8 out low in -MS1 (sample 14) 9-1353
Recoveries for 2-butanone in both MS analyses were outside upper limit.

Analyst Ensures that the Data Case File is Complete and Accurate:

- ✓ Sample list (bench sheet or work order report)
- ✓ Sample prep / Instrument run logs
- ✓ Standard/Reagent prep logs (cmpd list and TVs)
- ✓ Raw data
- ✓ Element Peer Review report
- ✓ Data status set to analyzed

Manual Integration was used **Yes** ✓ **No** ____

Additional Comments by Analyst on data issues:
Acrylonitrile was analyzed on demand.

On-Demand Data Checklist
(used in addition to routine TRC)
For Internal Use Only

Parameter: Acrylonitrile
Procedure/Method/Reference: SOP 210, CLP Trace

Site Name: Dimock Residential Groundwater WO#: 1201013
Analyst: Sue Warner

The signature below indicates the following:
• The analysis was performed as per the On-Demand requirements below.

Peer Reviewer signature Tony Ugrye Date accepted 2/6/12

Peer Reviewer Completes Section Below:

This is a special request which falls outside our routine protocols. Therefore, these samples were analyzed and the quality control (QC) were evaluated based on the "On Demand" criteria. These protocols include all the QC checks as per routine analyses plus special verification of the performance of the analytical method at the reported quantitation limit/s. These protocols are specified in the EPA Region III OASQA Laboratory Quality Manual, current version.

Quality Control:	**YES**	**NO**	**N/A**	**Comments**
A written procedure or reference must be available for the method being performed and referenced in the narrative. If the method to be performed is unique, the procedures must be fully documented.	✓			
Calibration of the instrumentation or analytical procedure must be according to the method or procedure.	✓			
Calibration verified by analysis of second source standard (SCV, SRM), if available. Concentration must be in the range of the calibration. Results must be within the method, procedure, client or in-house limits.		✓		See back note
Analysis of one method blank (BLK) with each batch. Ideally, the results should be less than the expected quantitation levels set by the method, procedure, or in-house requirements.	✓			
Analysis of one matrix spike (MS) with each batch. For samples or parameters which do not lend themselves to matrix spiking, a BS or SRM sample must be analyzed. Results of spikes must be within the method, procedure, client or in-house limits.		✓		See back note
Analysis of one duplicate analyses (DUP) or a quality control sample such as an SRM or BS with each batch. If duplicate analyses is not possible, e.g, insufficient sample quantity, a quality control sample must be analyzed in duplicate, if available. Results of duplicate analyses must be				

within the method, procedure, client or in-house limits. ___ ✓ ___ _____

At least one blank spike (BS) must be carried through the entire method and analyzed with each batch. The concentration of the BS should be at the quantitation level or at the level of the expected sample results, if known. Results of the BS must be within the method, procedure, client or in-house limits. ✓ ___ ___ See below

Any additional quality control items, such as surrogates, internal standards, etc., which the referenced method or procedure requires should be analyzed. Results must be within the method or procedure limits. ✓ ___ ___ _____

The analyst must document the impact on the usability of the reported data by applying qualifier codes if applicable and including a summary in the case file. ✓ ___ ___ _____

Additional Comments:

MS recoveries for acrylonitrile were slightly outside the upper QC limits. Second source blank spike at QC level was good as well as the first blank spike at 5ug/L. A duplicate second source blank spike at 5ug/L showed a recovery of 205%. Duplicate blank spikes from the primary source showed recoveries of 110% and 157%. Since acrylonitrile was not detected, data for this compound did not have to be qualified.

Appendix C

Manual Integration Summary Form

Site Name: Dimock Residential Groundwater Work Order Number: 1201013

Check all reasons that apply:

( ) Manual integration performed to properly integrate unresolved peaks.

( ) Manual integration performed to separate closely eluting peaks with the same quantitation ion.

( ) Manual integration performed to remove coeluting interferent.

( ) Manual integration performed to add a non-detected peak.

( ) Manual integration performed to identify correct peak.

(✓) Manual integration performed due to peak splitting.

(✓) Manual integration performed due to failure of the instrument response to return to baseline or a rise in the baseline.

( ) Manual integration performed to employ peak skimming due to coeluting peaks.

( ) Manual integration performed due to poor chromatography (peak shape).

Additional Notes:

Analyst: Sue Warner Date: 2-3-12

Peer Reviewer: Hong Nguyen Date: 2/6/12

Rev. 5/4/11

DIM02188

WORK ORDER

Printed: 1/31/2012 1:36:26PM

1201013

U.S. EPA Region 3 - FOR INTERNAL USE ONLY

Client: OSWER - Emergency Response
Project: DAS R33907
Final Report Due: 02/20/2012

Project Manager: Cindy Caporale
Site Name: Dimock Residential Groundwater
Acct#: 2012T03N303DC6A3TARS00

Report To:
Client Project Manager: Rich Fetzer
Email: fetzer.richard@epa.gov
Phone: (610) 861-2087
Fax: -

Project/WO Comments

Unvalidated data = 7 days (refer to Special Instructions)
Validated data = 21 days

Shelf

Analyst
EPA #3 Shelf 1B
EPA #3 Shelf 1C
EPA #3 Shelf 2B
EPA #3 Shelf 7B
EPA #3 Shelf 8B
EPA #3 Shelf 8C
EPA #5 VOA

Received By: Kevin Martin
Date Received: 01/25/12 10:40
Temperature Samples Received at 5°C
Custody Seals Yes
Containers Intact Yes
COC/Labels Agree Yes
Preservation Confirmed Yes
Received On Ice Yes
Radiation Checked Yes

ESAT INFO ONLY

Preliminary Report Due Date _____
ESAT Due Date _____
_____Complete _____ Not Complete
_____Need TDF _____TDF #

Sample# 1201013-01
Sample Name: FB01
Sample Type: SAM
VOCs by CLP Equivalent (trace)

Lab\Report Matrix Water\Water
Date Sampled 01/23/12 14:42
Expires: 02/06/12 14:42
Analysis Comments:
Sample Comments: VOC received 1/27/12

Sample Logged In: 01/25/12 11:35
Sample Received: 01/25/12 10:40
Received

Sample# 1201013-03
Sample Name: HW19
Sample Type: SAM
VOCs by CLP Equivalent (trace)

Lab\Report Matrix Water\Drinking Water
Date Sampled 01/23/12 17:47
Expires: 02/06/12 17:47
Analysis Comments:
Sample Comments: Some containers received on 1/26/12, VOC received 1/27/12

Sample Logged In: 01/25/12 11:35
Sample Received: 01/25/12 10:40
Received

Sample# 1201013-05
Sample Name: HW19-P
Sample Type: SAM
VOCs by CLP Equivalent (trace)

Lab\Report Matrix Water\Drinking Water
Date Sampled 01/23/12 19:07
Expires: 02/06/12 19:07
Analysis Comments:
Sample Comments: VOC received 1/27/12

Sample Logged In: 01/26/12 12:21
Sample Received: 01/26/12 11:50
Received

Sample#	1201013-07	**Lab\Report Matrix**	Water\Water	**Sample Logged In:**	01/27/12 12:54
Sample Name:	FB02	**Date Sampled**	01/24/12 12:11	**Sample Received:**	01/27/12 11:59
Sample Type:	SAM				
VOCs by CLP Equivalent (trace)		**Expires:**	02/07/12 12:11	**Received**	
		Analysis Comments:	71 Drinking Water		
		Sample Comments:			

Sample#	1201013-09	**Lab\Report Matrix**	Water\Drinking Water	**Sample Logged In:**	01/27/12 12:54
Sample Name:	HW04	**Date Sampled**	01/24/12 14:33	**Sample Received:**	01/27/12 11:59
Sample Type:	SAM				
VOCs by CLP Equivalent (trace)		**Expires:**	02/07/12 14:33	**Received**	
		Analysis Comments:	71 Drinking Water		
		Sample Comments:			

Sample#	1201013-11	**Lab\Report Matrix**	Water\Water	**Sample Logged In:**	01/27/12 12:54
Sample Name:	TB01	**Date Sampled**	01/23/12 12:30	**Sample Received:**	01/27/12 11:59
Sample Type:	SAM				
VOCs by CLP Equivalent (trace)		**Expires:**	02/06/12 12:30	**Received**	
		Analysis Comments:	71 Drinking Water		
		Sample Comments:			

Sample#	1201013-12	**Lab\Report Matrix**	Water\Water	**Sample Logged In:**	01/28/12 17:02
Sample Name:	FB03	**Date Sampled**	01/25/12 10:01	**Sample Received:**	01/28/12 14:11
Sample Type:	SAM				
VOCs by CLP Equivalent (trace)		**Expires:**	02/08/12 10:01	**Received**	
		Analysis Comments:	71 Drinking Water		
		Sample Comments:			

Sample#	1201013-13	**Lab\Report Matrix**	Water\Drinking Water	**Sample Logged In:**	01/28/12 17:02
Sample Name:	HW02	**Date Sampled**	01/25/12 12:58	**Sample Received:**	01/28/12 14:11
Sample Type:	SAM				
VOCs by CLP Equivalent (trace)		**Expires:**	02/08/12 12:58	**Received**	
		Analysis Comments:	71 Drinking Water		
		Sample Comments:			

Sample#	1201013-14	**Lab\Report Matrix**	Water\Drinking Water	**Sample Logged In:**	01/28/12 17:02
Sample Name:	HW02z	**Date Sampled**	01/25/12 12:59	**Sample Received:**	01/28/12 14:11
Sample Type:	SAM				
VOCs by CLP Equivalent (trace)		**Expires:**	02/08/12 12:59	**Received**	
		Analysis Comments:	71 Drinking Water		
		Sample Comments:			

Sample#	1201013-15	**Lab\Report Matrix**	Water\Drinking Water	**Sample Logged In:**	01/28/12 17:02
Sample Name:	HW01	**Date Sampled**	01/25/12 16:31	**Sample Received:**	01/28/12 14:11
Sample Type:	SAM				
VOCs by CLP Equivalent (trace)		**Expires:**	02/08/12 16:31	**Received**	
		Analysis Comments:	71 Drinking Water		
		Sample Comments:			

Sample#	1201013-16	**Lab\Report Matrix**	Water\Drinking Water	**Sample Logged In:**	01/28/12 17:02
Sample Name:	HW05	**Date Sampled**	01/26/12 11:35	**Sample Received:**	01/28/12 14:11
Sample Type:	SAM				
VOCs by CLP Equivalent (trace)		**Expires:**	02/09/12 11:35	**Received**	
		Analysis Comments:	71 Drinking Water		
		Sample Comments:			

Sample# 1201013-17 **Sample Name:** HW06 **Sample Type:** SAM VOCs by CLP Equivalent (trace)	**Lab\Report Matrix** Water\Drinking Water **Date Sampled** 01/26/12 15:30 **Expires:** 02/09/12 15:30 **Analysis Comments:** 71 Drinking Water **Sample Comments:**	**Sample Logged In:** 01/28/12 17:02 **Sample Received:** 01/28/12 14:11 **Received**	
Sample# 1201013-25 **Sample Name:** TB02 **Sample Type:** SAM VOCs by CLP Equivalent (trace)	**Lab\Report Matrix** Water\Water **Date Sampled** 01/25/12 07:55 **Expires:** 02/08/12 07:55 **Analysis Comments:** 71 Drinking Water **Sample Comments:**	**Sample Logged In:** 01/28/12 17:02 **Sample Received:** 01/28/12 14:11 **Received**	
Sample# 1201013-26 **Sample Name:** TB03 **Sample Type:** SAM VOCs by CLP Equivalent (trace)	**Lab\Report Matrix** Water\Water **Date Sampled** 01/25/12 08:00 **Expires:** 02/08/12 08:00 **Analysis Comments:** 71 Drinking Water **Sample Comments:**	**Sample Logged In:** 01/28/12 17:02 **Sample Received:** 01/28/12 14:11 **Received**	
Sample# 1201013-28 **Sample Name:** HW08a **Sample Type:** SAM VOCs by CLP Equivalent (trace)	**Lab\Report Matrix** Water\Drinking Water **Date Sampled** 01/25/12 11:46 **Expires:** 02/08/12 11:46 **Analysis Comments:** 71 Drinking Water **Sample Comments:** **QC sample**	**Sample Logged In:** 01/28/12 17:02 **Sample Received:** 01/28/12 14:11 **Received**	
Sample# 1201013-29 **Sample Name:** FB04 **Sample Type:** SAM VOCs by CLP Equivalent (trace)	**Lab\Report Matrix** Water\Water **Date Sampled** 01/26/12 09:13 **Expires:** 02/09/12 09:13 **Analysis Comments:** 71 Drinking Water **Sample Comments:**	**Sample Logged In:** 01/30/12 13:25 **Sample Received:** 01/30/12 09:20 **Received**	
Sample# 1201013-30 **Sample Name:** FB05 **Sample Type:** SAM VOCs by CLP Equivalent (trace)	**Lab\Report Matrix** Water\Water **Date Sampled** 01/27/12 09:40 **Expires:** 02/10/12 09:40 **Analysis Comments:** 71 Drinking Water **Sample Comments:**	**Sample Logged In:** 01/30/12 13:25 **Sample Received:** 01/30/12 09:20 **Received**	
Sample# 1201013-31 **Sample Name:** HW24 **Sample Type:** SAM VOCs by CLP Equivalent (trace)	**Lab\Report Matrix** Water\Drinking Water **Date Sampled** 01/27/12 12:09 **Expires:** 02/10/12 12:09 **Analysis Comments:** 71 Drinking Water **Sample Comments:**	**Sample Logged In:** 01/30/12 13:25 **Sample Received:** 01/30/12 09:20 **Received**	
Sample# 1201013-32 **Sample Name:** HW24-P **Sample Type:** SAM VOCs by CLP Equivalent (trace)	**Lab\Report Matrix** Water\Drinking Water **Date Sampled** 01/27/12 13:18 **Expires:** 02/10/12 13:18 **Analysis Comments:** 71 Drinking Water **Sample Comments:**	**Sample Logged In:** 01/30/12 13:25 **Sample Received:** 01/30/12 09:20 **Received**	

12 spls

Sample#	1201013-33	**Lab\Report Matrix**	Water\Drinking Water	**Sample Logged In:**	01/30/12 13:25
Sample Name:	HW12	**Date Sampled**	01/26/12 13:23	**Sample Received:**	01/30/12 09:20
Sample Type:	SAM				
VOCs by CLP Equivalent (trace)		**Expires:**	02/09/12 13:23	**Received**	
		Analysis Comments:	71 Drinking Water		
		Sample Comments:	No O&G sample		

Sample#	1201013-34	**Lab\Report Matrix**	Water\Drinking Water	**Sample Logged In:**	01/30/12 13:25
Sample Name:	HW17	**Date Sampled**	01/27/12 11:40	**Sample Received:**	01/30/12 09:20
Sample Type:	SAM				
VOCs by CLP Equivalent (trace)		**Expires:**	02/10/12 11:40	**Received**	
		Analysis Comments:	71 Drinking Water		
		Sample Comments:			

Sample#	1201013-35	**Lab\Report Matrix**	Water\Drinking Water	**Sample Logged In:**	01/30/12 13:25
Sample Name:	HW14	**Date Sampled**	01/26/12 17:13	**Sample Received:**	01/30/12 09:20
Sample Type:	SAM				
VOCs by CLP Equivalent (trace)		**Expires:**	02/09/12 17:13	**Received**	
		Analysis Comments:	71 Drinking Water		
		Sample Comments:			

Sample#	1201013-36	**Lab\Report Matrix**	Water\Drinking Water	**Sample Logged In:**	01/30/12 13:25
Sample Name:	HW14-P	**Date Sampled**	01/26/12 19:15	**Sample Received:**	01/30/12 09:20
Sample Type:	SAM				
VOCs by CLP Equivalent (trace)		**Expires:**	02/09/12 19:15	**Received**	
		Analysis Comments:	71 Drinking Water		
		Sample Comments:			

Sample#	1201013-45	**Lab\Report Matrix**	Water\Water	**Sample Logged In:**	01/30/12 13:25
Sample Name:	TB05	**Date Sampled**	01/26/12 08:34	**Sample Received:**	01/30/12 09:20
Sample Type:	SAM				
VOCs by CLP Equivalent (trace)		**Expires:**	02/09/12 08:34	**Received**	
		Analysis Comments:	71 Drinking Water		
		Sample Comments:			

Sample#	1201013-46	**Lab\Report Matrix**	Water\Water	**Sample Logged In:**	01/30/12 13:25
Sample Name:	TB07	**Date Sampled**	01/27/12 08:07	**Sample Received:**	01/30/12 09:20
Sample Type:	SAM				
VOCs by CLP Equivalent (trace)		**Expires:**	02/10/12 08:07	**Received**	
		Analysis Comments:	71 Drinking Water		
		Sample Comments:			

Sample#	1201013-47	**Lab\Report Matrix**	Water\Water	**Sample Logged In:**	01/30/12 13:25
Sample Name:	TB06	**Date Sampled**	01/27/12 08:05	**Sample Received:**	01/30/12 09:20
Sample Type:	SAM				
VOCs by CLP Equivalent (trace)		**Expires:**	02/10/12 08:05	**Received**	
		Analysis Comments:	71 Drinking Water		
		Sample Comments:			

Sample#	1201013-48	**Lab\Report Matrix**	Water\Water	**Sample Logged In:**	01/30/12 13:25
Sample Name:	TB04	**Date Sampled**	01/26/12 08:31	**Sample Received:**	01/30/12 09:20
Sample Type:	SAM				
VOCs by CLP Equivalent (trace)		**Expires:**	02/09/12 08:31	**Received**	
		Analysis Comments:	71 Drinking Water		
		Sample Comments:			

U.S EPA Region III Analytical Request Form

Revision 11.09

OASQA USE ONLY			
Control #	CT5865	RAS #	
DAS#	R33907	NSF #	
PES #		Analytical TAT	7 days

Date: 01/19/2012	Site Activity: Removal Site Evaluation		
Site Name: Dimock Residential Groundwater Site		Street Address: PA RT 229 @ 2024	
City: Dimock	State: PA 18847	Latitude:	Longitude:
Program: Superfund	Acct. #: 2012 T03N303DC6A3TARS00	CERCLIS #: Unknown	
Site ID: N/A	Spill ID: A3TA	Operable Unit:	
Site Specific QA Plan Submitted: ☐ No ☒ Yes Title: Residential Well Sampling QA/QC Work Plan		Date Approved: January 9, 2012	
EPA Project Leader: Rich Fetzer	Phone#: 215-341-6307	Cell Phone #: 215-341-6307	E-mail: fetzer.richard@epa.gov
Request Preparer: [redacted]	Phone#: [redacted]	Cell Phone #: [redacted]	E-mail: [redacted]
Site Leader: [redacted]	Phone#: [redacted]	Cell Phone #: [redacted]	E-mail [redacted]
Contractor: TechLaw, Inc.	EPA CO/PO: Denise T. Jones/Karen Esposito		

#Samples 71	Matrix: drinking water	Parameter: Total Metals (ICP-AES/ICP-MS)	Method: EPA 200.7/200.8
#Samples 71	Matrix: drinking water	Parameter: Dissolved Metals; (ICP-AES/ICP-MS)	Method: EPA 200.7/200.8
#Samples 71	Matrix: drinking water	Parameter: Total Mercury	Method: EPA 245.1
#Samples 71	Matrix: drinking water	Parameter: Dissolved Mercury	Method: EPA 245.1
#Samples 71	Matrix: drinking water	Parameter: TDS	Method: SM 2540C
#Samples 71	Matrix: drinking water	Parameter: TSS	Method: SM 2540D
#Samples 71	Matrix: drinking water	Parameter: Gylcols (plus 2-Butoxyethanol and 2-methoxyethanol)	Method: SW 8321 (Modified)
#Samples 71	Matrix: drinking water	Parameter: Alcohols	Method: SM 8015D
#Samples 71	Matrix: drinking water	Parameter: Anions	Method: EPA 300.0
#Samples 71	Matrix: drinking water	Parameter: Nitrate+Nitrite combined	Method: EPA 353.2 (Modified)

#Samples 71	Matrix: drinking water	Parameter: Total Nitrogen	Method: EPA 353.2 (Modified)
#Samples 71	Matrix: drinking water	Parameter: Total Phosphorus	Method: EPA 365.4 (Modified)
#Samples 71	Matrix: drinking water	Parameter: VOC (plus Acrylonitrile)	Method: CLP OLC03.2 includes TICs
#Samples 71	Matrix: drinking water	Parameter: SVOC (plus 1-methylnaphthalene and 2-methoxyethanol)	Method: CLP OLC03.2 includes TICs
#Samples 71	Matrix: drinking water	Parameter: Oil & Grease	Method: EPA 1664A (or equivalent)

Ship Date From: Jan 23, 2012	Ship Date To: Jan 30, 2012	Org. Validation Level M3	Inorg. Validation Level IM2

Unvalidated Data Requested: ☐ No ☒ Yes If Yes, TAT Needed: ☐ 24hrs ☐ 48hrs ☐ 72hrs ☒ 7days ☐ Other (Specify) **See comments for PRs/expedited TATs**

Validated Data Package Due: ☐ 14 days ☒ 21 days ☐ 35 days ☐ 42 days ☐ Other (Specify)

Electronic Data Deliverables Required: ☐ No ☒ Yes (EDDs will be provided in Region 3 EDD Format) if available

Special Instructions:
The RLs/QLs are attached (R3 Dimock RLs_Jan 19_2012)

TICs required for VOC and SVOC analysis.

Samples will be screened for Orthophosphorus and based on screening results -- samples will be analyzed for Total Phosphorus.

Request Preliminary Results (PRs)/expedited TAT of **5 days** for the following parameters, if feasible:
(SVOCs) bis(2-ethylhexyl)phthalate and 2-Methoxyethanol
(Glycols) Ttriethylene glycol and Diethylene glycol and 2-Methoxyethanol
(Total Metals) Al, As, Li, Mn, Na, and Fe.

Data will be entered into SCRIBE.
Generate SEDD deliverables which would be consistent for all labs.

FORM ARF- 03/05

Sample Assignment Memo for: Dimock Residential Groundwater; DAS R33907; WO#1201013
John Curry to: R3 ESC-LB 01/27/2012 03:45 PM
Cc: Kevin Martin

Sample Assignment Memo for: Dimock Residential Groundwater; DAS R33907; WO#1201013

Parameter(s)	Matrix	# of Samples	pH	Analyst	Location
Anions	Water	2	7	RA	EPA 8C
Metals/Mercury (Total) and Filtered	Water	2/2	<2	JD/RC/SG	Analyst
Oil & Grease	Water	2	<2	RA/JDC	EPA 8C
Alcohol	Water	2	NA	AM	EPA 8C
Glycols	Water	2	NA	JG	Analyst
TDS/TSS	Water	2	7	JDC	EPA 8C
Total Phos/Total N	Water	2	<2	JDC/RA	EPA 8C
Nitrate/Nitrite	Water	2	7	JDC	EPA 8C
SVOC	Water	2	7	EG	EPA 8C
VOC	Water	6	NA	SW/PZ	Analyst

Temperature Blank: 4/5/2 °C

Due Date: 2/17/12

Comments: NA

For Corrections/Omissions call Robin

****

John D. Curry
Office of Analytical Services & Quality Assurance
EPA Region III
701 Mapes Road
Ft. Meade, MD 20755-5350
410-305-2608 (voice)
410-305-3093 (fax)
Curry.John@epa.gov
****

Sample Assignment Memo for: Dimock Residential Groundwater; DAS R33907; WO#1201013
Kevin Martin to: R3 ESC-LB 01/28/2012 06:45 PM
Cc: Kevin Martin

Sample Assignment Memo for: Dimock Residential Groundwater; DAS R33907; WO#1201013

Parameter(s)	Matrix	Number of Samples	pH	Analyst	Location
Alcohols	AQ	7	-	AM	Analyst
Anions	AQ	7	7	RA	EPA #3 shelf 8B
Glycols	AQ	7	-	JG	EPA #3 shelf 8B
Nitrite+Nitrate	AQ	7	2	JC	EPA #3 shelf 1C
Oil & Grease	AQ	8	2	RA/JC	EPA #3 shelf 2B
SVOCs	AQ	7	7	EG/KP	EPA #3 shelf 2B
TDS	AQ	7	7	JC	EPA #3 shelf 1C
TSS	AQ	7	7	JC	EPA #3 shelf 1C
Mercury	AQ	14	2*	SG	EPA #3 shelf 1B
Metals	AQ	14	2*	RC/JD	EPA #3 shelf 1B
Total Nitrogen	AQ	7	2	JC	EPA #3 shelf 1C
Total Phos	AQ	7	2	RA/JC	EPA #3 shelf 1C
VOCs	AQ	9	-	SW/PZ	EPA #5 VOA

* Sample (1201013-018) had a pH of 6

Temperature Blank: Cooler 4 (1/28/12) 6°C
Cooler 5 (1/28/12) 6°C
Cooler 6 (1/28/12) 7°C
Cooler 7 (1/28/12) 7°C
Cooler 8 (1/28/12) 8°C
Cooler 9 (1/28/12) 7°C

Due Date: 2/18/12

Comments: NA

For Corrections/Omissions call Robin

Thank You,

Kevin Martin, Chemist
Environmental Science Center
701 Mapes Road
Fort Meade, MD 20755-5350
(410) 305-3032

Sample Assignment Memo for: Dimock Residential Groundwater; DAS R33907; WO#1201013
Kevin Martin to: R3 ESC-LB 01/30/2012 03:10 PM
Cc: Kevin Martin

Sample Assignment Memo for: Dimock Residential Groundwater; DAS R33907; WO#1201013

Parameter(s)	Matrix	Number of Samples	pH	Analyst	Location
Alcohols	AQ	8	-	AM	Analyst
Anions	AQ	8	6-7	RA	EPA #3 shelf 2B
Glycols	AQ	8	-	JG	Analyst
Nitrite+Nitrate	AQ	8	2	JC	EPA #3 shelf 2B
Oil & Grease	AQ	7	2	RA/JC	EPA #3 shelf 8B
SVOCs	AQ	8	6-7	EG/KP	EPA #3 shelf 7B
TDS	AQ	8	6-7	JC	EPA #3 shelf 2B
TSS	AQ	8	6-7	JC	EPA #3 shelf 2B
Mercury	AQ	16	2	SG	Analyst
Metals	AQ	16	2	RC/JD	Analyst
Total Nitrogen	AQ	8	2	JC	EPA #3 shelf 2B
Total Phos	AQ	8	2	RA/JC	EPA #3 shelf 2B
VOCs	AQ	12*	-	SW/PZ	EPA #5 VOA

Temperature Blank: Cooler 10 (1/30/12) 4°C
Cooler 11 (1/30/12) 3°C
Cooler 12 (1/30/12) 2°C
Cooler 13 (1/30/12) 3°C
Cooler 14 (1/30/12) 2°C
Cooler 15 (1/30/12) No temp blank
Cooler 16 (1/30/12) 3°C

Due Date: 2/20/11

Comments: NA

For Corrections/Omissions call Robin

Thank You,

Kevin Martin, Chemist
Environmental Science Center
701 Mapes Road
Fort Meade, MD 20755-5350
(410) 305-3032

DRAFT

Site Name: Dimock Residential Groundwater	Project #: DAS R33907

Report Narrative

SVOAs Analysis Note:
2,4-Dinitrophenol was qualified "UJ" in sample "-01" due to not being detected in the low spike (BA22504-BS1).
2-methoxyethanol and 1-methylnaphthalene were calibrated in a separate initial calibration from rest of the SVOC target compounds. RSDs were less than 20%.
OASQA's quality system dictates that low- and mid-level spikes are run for on demand analysis. These spikes have excellent recoveries.
2,4-Dinitrophenol, pentachlorophenol, and 4,6-dinitro-2-methylphenol were qualified "UJ" in samples "-03" and -"05" due to low recovery in the low spike (BA22603-BS1).
2,4-Dinitrophenol, pentachlorophenol, and 4,6-dinitro-2-methylphenol were qualified "UJ" in samples "-07", "-09", "-12", "-13", "-14", "-15", "-16", "-17", and -"28" due to low recovery in the low spike (BA22901-BS1).

Glycols by LC/MS/MS Note:
Samples were analyzed for diethylene glycol (DiG) (CAS# 111-46-6), triethylene glycol (TriG) (112-27-6), tetraethylene glycol (TeG) (112-60-7), 2-butoxyethanol (2-Bu) (111-76-2) and 2-methoxyethanol (109-86-4) by LC/MS/MS (inst id: TQD-LCMSMS) on a Waters Atlantis dC18 3um 2.1 x 150mm column (s/n-0141301481). See the case file for complete instrument method information.
An LC/MS/MS method does not currently exist for these analytes. ASTM D 7731-11 and EPA SW-846 Methods 8000C and 8321 were followed for method development and QA/QC limits where applicable. All applicable OASQA On Demand QA/QC protocols were followed.

The aqueous samples were injected without extraction onto the LC/MS/MS system

Refer to notes in the case file for additional information regarding the analysis.

VOA Analysis Note:

Acrylonitrile was analyzed on-demand using CLP equivalent methodology. This analyte does not appear in the data tables or the QC summary and all data for this compound is summarized here Acrylonitrile was not detected in any of the samples above a quantitation limit of 2 ug/L. A four point curve was analyzed (2, 5, 10 and 20 ug/L). The samples were preserved to a pH<2 with HCl. A low level second source blank spike analyzed at a concentration of 2 ug/L had a recovery of 112%. A mid level second source blank spike analyzed at a concentration of 5 ug/L had a recovery of 102%. A duplicate second source blank spike at 5 ug/L had 205% recovery. Due to this high recovery, duplicate blank spikes from the primary source were analyzed. Recoveries for these spikes were 110% and 157%.

2-Chloroethylvinyl ether is not included in the analysis. 2-chloroethylvinyl ether breaks down in acidified samples.

There was not enough sample volume submitted to perform matrix spike/matrix spike duplicate analysis. A single matrix spike was performed for samples 1201013-14 and 1201013-33.

The acetone result for sample 1201013-36 is qualified with a "K" due to an interference from isopropanol.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
FB01	1201013-01	Water	1/23/12 14:42	1/25/12 10:40
HW19	1201013-03	Drinking Water	1/23/12 17:47	1/25/12 10:40
HW19-P	1201013-05	Drinking Water	1/23/12 19:07	1/26/12 11:50
FB02	1201013-07	Water	1/24/12 12:11	1/27/12 11:59
HW04	1201013-09	Drinking Water	1/24/12 14:33	1/27/12 11:59
TB01	1201013-11	Water	1/23/12 12:30	1/27/12 11:59
FB03	1201013-12	Water	1/25/12 10:01	1/28/12 14:11
HW02	1201013-13	Drinking Water	1/25/12 12:58	1/28/12 14:11
HW02z	1201013-14	Drinking Water	1/25/12 12:59	1/28/12 14:11
HW01	1201013-15	Drinking Water	1/25/12 16:31	1/28/12 14:11
HW05	1201013-16	Drinking Water	1/26/12 11:35	1/28/12 14:11
HW06	1201013-17	Drinking Water	1/26/12 15:30	1/28/12 14:11
TB02	1201013-25	Water	1/25/12 07:55	1/28/12 14:11
TB03	1201013-26	Water	1/25/12 08:00	1/28/12 14:11
HW08a	1201013-28	Drinking Water	1/25/12 11:46	1/28/12 14:11
FB04	1201013-29	Water	1/26/12 09:13	1/30/12 09:20
FB05	1201013-30	Water	1/27/12 09:40	1/30/12 09:20
HW24	1201013-31	Drinking Water	1/27/12 12:09	1/30/12 09:20
HW24-P	1201013-32	Drinking Water	1/27/12 13:18	1/30/12 09:20
HW12	1201013-33	Drinking Water	1/26/12 13:23	1/30/12 09:20
HW17	1201013-34	Drinking Water	1/27/12 11:40	1/30/12 09:20
HW14	1201013-35	Drinking Water	1/26/12 17:13	1/30/12 09:20
HW14-P	1201013-36	Drinking Water	1/26/12 19:15	1/30/12 09:20
TB05	1201013-45	Water	1/26/12 08:34	1/30/12 09:20
TB07	1201013-46	Water	1/27/12 08:07	1/30/12 09:20
TB06	1201013-47	Water	1/27/12 08:05	1/30/12 09:20
TB04	1201013-48	Water	1/26/12 08:31	1/30/12 09:20

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB01	**Lab ID:** 1201013-01
Sample Matrix: Water	**Date Collected:** 01/23/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.8	J	2.0	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Benzene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Bromoform	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Chloroform	7.5		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: FB01
Sample Matrix: Water
Project #: DAS R33907
Lab ID: 1201013-01
Date Collected: 01/23/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Freon 113	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Methylene Chloride	1.0		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Naphthalene	0.3	J	0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Styrene	U		1.0	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Toluene	0.6		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Trichloroethene	2.5		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
m-Xylene/p-Xylene	0.2	J	1.0	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210
o-Xylene	0.08	J	1.0	1	01/27/12	01/27/12 14:48	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.890		97 %	*86-115*	01/27/12	01/27/12 14:48	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.070		102 %	*76-114*	01/27/12	01/27/12 14:48	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB01	**Lab ID:** 1201013-01
Sample Matrix: Water	**Date Collected:** 01/23/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.940		**98 %**	*88-110*	01/27/12	01/27/12 14:48	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW19
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1201013-03
Date Collected: 01/23/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Benzene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Bromoform	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Chloroform	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW19
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1201013-03
Date Collected: 01/23/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Freon 113	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Styrene	U		1.0	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Toluene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/27/12	01/27/12 16:10	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.820		96 %	*86-115*	01/27/12	01/27/12 16:10	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.350		109 %	*76-114*	01/27/12	01/27/12 16:10	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW19	**Lab ID:** 1201013-03
Sample Matrix: Drinking Water	**Date Collected:** 01/23/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.940		**98 %**	*88-110*	01/27/12	01/27/12 16:10	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW19-P	**Lab ID:** 1201013-05
Sample Matrix: Drinking Water	**Date Collected:** 01/23/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.3	B, J	2.0	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Benzene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Bromoform	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Chloroform	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW19-P
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1201013-05
Date Collected: 01/23/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Freon 113	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Styrene	U		1.0	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Toluene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/27/12	01/27/12 16:37	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.800		**95 %**	*86-115*	01/27/12	01/27/12 16:37	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.210		**105 %**	*76-114*	01/27/12	01/27/12 16:37	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW19-P	**Lab ID:** 1201013-05
Sample Matrix: Drinking Water	**Date Collected:** 01/23/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.980		**100 %**	*88-110*	01/27/12	01/27/12 16:37	*CLP trace/R3QA210*

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB02	**Lab ID:** 1201013-07
Sample Matrix: Water	**Date Collected:** 01/24/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.9	J	2.0	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Benzene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Bromodichloromethane	0.06	J	0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Bromoform	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Chloroform	7.6		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: FB02
Lab ID: 1201013-07
Sample Matrix: Water
Date Collected: 01/24/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Freon 113	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Methylene Chloride	1.0		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Naphthalene	0.3	J	0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Styrene	U		1.0	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Toluene	0.6		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Trichloroethene	1.5		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
m-Xylene/p-Xylene	0.2	J	1.0	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210
o-Xylene	0.07	J	1.0	1	01/27/12	01/27/12 15:16	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.920		**98 %**	*86-115*	01/27/12	01/27/12 15:16	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.240		**106 %**	*76-114*	01/27/12	01/27/12 15:16	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB02	**Lab ID:** 1201013-07
Sample Matrix: Water	**Date Collected:** 01/24/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.930		**98 %**	*88-110*	01/27/12	01/27/12 15:16	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW04	**Lab ID:** 1201013-09
Sample Matrix: Drinking Water	**Date Collected:** 01/24/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.3	B, J	2.0	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Benzene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Bromoform	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Chloroform	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW04
Lab ID: 1201013-09
Sample Matrix: Drinking Water
Date Collected: 01/24/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Freon 113	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Styrene	U		1.0	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Toluene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/27/12	01/27/12 17:04	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.760		**94 %**	*86-115*	01/27/12	01/27/12 17:04	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.160		**104 %**	*76-114*	01/27/12	01/27/12 17:04	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW04	**Lab ID:** 1201013-09
Sample Matrix: Drinking Water	**Date Collected:** 01/24/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.820	/ ✓	96 %	*88-110*	01/27/12	01/27/12 17:04	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: TB01	**Lab ID:** 1201013-11
Sample Matrix: Water	**Date Collected:** 01/23/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.8	J	2.0	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Benzene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Bromoform	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
2-Butanone	0.3	J	2.0	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Chloroform	7.7		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: TB01
Lab ID: 1201013-11
Sample Matrix: Water
Date Collected: 01/23/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Freon 113	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Methylene Chloride	1.0		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Naphthalene	0.3	J	0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Styrene	U		1.0	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Toluene	0.6		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Trichloroethene	2.7		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
m-Xylene/p-Xylene	0.2	J	1.0	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210
o-Xylene	0.07	J	1.0	1	01/27/12	01/27/12 15:43	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.810		95 %	*86-115*	01/27/12	01/27/12 15:43	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.260		106 %	*76-114*	01/27/12	01/27/12 15:43	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: TB01	**Lab ID:** 1201013-11
Sample Matrix: Water	**Date Collected:** 01/23/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.930		**98 %**	*88-110*	01/27/12	01/27/12 15:43	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB03	**Lab ID:** 1201013-12
Sample Matrix: Water	**Date Collected:** 01/25/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.0	J	2.0	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Benzene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Bromoform	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Chloroform	8.3		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB03	**Lab ID:** 1201013-12
Sample Matrix: Water	**Date Collected:** 01/25/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Freon 113	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Methylene Chloride	1.1		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Naphthalene	0.3	J	0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Styrene	U		1.0	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Toluene	1.1		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Trichloroethene	1.8		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,2,4-Trimethylbenzene	0.05	J	0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
m-Xylene/p-Xylene	0.1	J	1.0	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210
o-Xylene	0.08	J	1.0	1	01/30/12	01/30/12 15:20	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.950		99 %	*86-115*	01/30/12	01/30/12 15:20	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	3.750		94 %	*76-114*	01/30/12	01/30/12 15:20	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB03	**Lab ID:** 1201013-12
Sample Matrix: Water	**Date Collected:** 01/25/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.700		92 %	*88-110*	01/30/12	01/30/12 15:20	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW02
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1201013-13
Date Collected: 01/25/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.3	B, J	2.0	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Benzene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Bromoform	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Chloroform	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater **Project #:** DAS R33907
Station ID: HW02 **Lab ID:** 1201013-13
Sample Matrix: Drinking Water **Date Collected:** 01/25/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Freon 113	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Styrene	U		1.0	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Toluene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/30/12	01/30/12 16:43	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.660		**92 %**	*86-115*	01/30/12	01/30/12 16:43	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.030		**101 %**	*76-114*	01/30/12	01/30/12 16:43	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW02	**Lab ID:** 1201013-13
Sample Matrix: Drinking Water	**Date Collected:** 01/25/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.760		**94 %**	*88-110*	01/30/12	01/30/12 16:43	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW02z	**Lab ID:** 1201013-14
Sample Matrix: Drinking Water	**Date Collected:** 01/25/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Benzene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Bromoform	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Chloroform	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW02z
Lab ID: 1201013-14
Sample Matrix: Drinking Water
Date Collected: 01/25/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Freon 113	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Styrene	U		1.0	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Toluene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/30/12	01/30/12 17:10	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.810		95 %	*86-115*	01/30/12	01/30/12 17:10	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.150		104 %	*76-114*	01/30/12	01/30/12 17:10	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW02z	**Lab ID:** 1201013-14
Sample Matrix: Drinking Water	**Date Collected:** 01/25/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.780		94 %	*88-110*	01/30/12	01/30/12 17:10	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW01
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1201013-15
Date Collected: 01/25/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.1	B, J	2.0	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Benzene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Bromoform	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Chloroform	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW01
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1201013-15
Date Collected: 01/25/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Freon 113	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Methyl Acetate	0.3	J	0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Styrene	U		1.0	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Toluene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/30/12	01/30/12 17:38	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.760		**94 %**	*86-115*	01/30/12	01/30/12 17:38	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.080		**102 %**	*76-114*	01/30/12	01/30/12 17:38	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW01	**Lab ID:** 1201013-15
Sample Matrix: Drinking Water	**Date Collected:** 01/25/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.640		**91 %**	*88-110*	01/30/12	01/30/12 17:38	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW05	**Lab ID:** 1201013-16
Sample Matrix: Drinking Water	**Date Collected:** 01/26/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.4	B, J	2.0	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Benzene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Bromoform	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Chloroform	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW05
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1201013-16
Date Collected: 01/26/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Freon 113	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Styrene	U		1.0	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Toluene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/30/12	01/30/12 18:05	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.900		**98 %**	*86-115*	01/30/12	01/30/12 18:05	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.100		**102 %**	*76-114*	01/30/12	01/30/12 18:05	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW05	**Lab ID:** 1201013-16
Sample Matrix: Drinking Water	**Date Collected:** 01/26/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.790		**95 %**	*88-110*	01/30/12	01/30/12 18:05	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW06
Lab ID: 1201013-17
Sample Matrix: Drinking Water
Date Collected: 01/26/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.3	B, J	2.0	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Benzene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Bromoform	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Chloroform	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW06
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1201013-17
Date Collected: 01/26/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Freon 113	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Styrene	U		1.0	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Toluene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/30/12	01/30/12 18:32	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.840		**96 %**	*86-115*	01/30/12	01/30/12 18:32	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.110		**103 %**	*76-114*	01/30/12	01/30/12 18:32	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW06	**Lab ID:** 1201013-17
Sample Matrix: Drinking Water	**Date Collected:** 01/26/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.700		92 %	*88-110*	01/30/12	01/30/12 18:32	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: TB02
Sample Matrix: Water
Project #: DAS R33907
Lab ID: 1201013-25
Date Collected: 01/25/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.1	J	2.0	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Benzene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Bromoform	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Chloroform	7.8		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: TB02	**Lab ID:** 1201013-25
Sample Matrix: Water	**Date Collected:** 01/25/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Freon 113	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Methylene Chloride	1.1		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Naphthalene	0.3	J	0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Styrene	U		1.0	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Toluene	0.6		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Trichloroethene	2.1		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
m-Xylene/p-Xylene	0.2	J	1.0	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210
o-Xylene	0.06	J	1.0	1	01/30/12	01/30/12 15:48	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.910		**98 %**	*86-115*	01/30/12	01/30/12 15:48	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.220		**106 %**	*76-114*	01/30/12	01/30/12 15:48	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: TB02	**Lab ID:** 1201013-25
Sample Matrix: Water	**Date Collected:** 01/25/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.750		94 %	*88-110*	01/30/12	01/30/12 15:48	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: TB03
Sample Matrix: Water
Project #: DAS R33907
Lab ID: 1201013-26
Date Collected: 01/25/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.3	J	2.0	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Benzene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Bromoform	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Chloroform	8.2		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: TB03
Sample Matrix: Water
Project #: DAS R33907
Lab ID: 1201013-26
Date Collected: 01/25/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Freon 113	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Methylene Chloride	1.1		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Naphthalene	0.3	J	0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Styrene	U		1.0	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Toluene	0.6		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Trichloroethene	2.4		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
m-Xylene/p-Xylene	0.2	J	1.0	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210
o-Xylene	0.07	J	1.0	1	01/30/12	01/30/12 16:15	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.780		**94 %**	*86-115*	01/30/12	01/30/12 16:15	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.140		**104 %**	*76-114*	01/30/12	01/30/12 16:15	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: TB03	**Lab ID:** 1201013-26
Sample Matrix: Water	**Date Collected:** 01/25/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.710		93 %	*88-110*	01/30/12	01/30/12 16:15	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW08a	**Lab ID:** 1201013-28
Sample Matrix: Drinking Water	**Date Collected:** 01/25/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.8	B, J	2.0	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Benzene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Bromoform	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Chloroform	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW08a
Lab ID: 1201013-28
Sample Matrix: Drinking Water
Date Collected: 01/25/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Freon 113	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Styrene	U		1.0	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Toluene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/31/12	01/31/12 14:59	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.770		94 %	*86-115*	01/31/12	01/31/12 14:59	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.010		100 %	*76-114*	01/31/12	01/31/12 14:59	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW08a	**Lab ID:** 1201013-28
Sample Matrix: Drinking Water	**Date Collected:** 01/25/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.720		93 %	*88-110*	01/31/12	01/31/12 14:59	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: FB04
Sample Matrix: Water
Project #: DAS R33907
Lab ID: 1201013-29
Date Collected: 01/26/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.3	J	2.0	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Benzene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Bromodichloromethane	0.2	J	0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Bromoform	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Chloroform	3.0		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,2-Dichloroethane	0.1	J	0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: FB04
Sample Matrix: Water
Project #: DAS R33907
Lab ID: 1201013-29
Date Collected: 01/26/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Freon 113	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Methylene Chloride	2.0		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Naphthalene	0.2	J	0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Styrene	U		1.0	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Toluene	0.5	J	0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/31/12	01/31/12 15:29	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.840		**96 %**	*86-115*	01/31/12	01/31/12 15:29	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.350		**109 %**	*76-114*	01/31/12	01/31/12 15:29	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB04	**Lab ID:** 1201013-29
Sample Matrix: Water	**Date Collected:** 01/26/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.650		91 %	*88-110*	01/31/12	01/31/12 15:29	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB05	**Lab ID:** 1201013-30
Sample Matrix: Water	**Date Collected:** 01/27/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.6	J	2.0	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Benzene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Bromodichloromethane	0.2	J	0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Bromoform	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Chloroform	2.8		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,2-Dichloroethane	0.07	J	0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: FB05
Lab ID: 1201013-30
Sample Matrix: Water
Date Collected: 01/27/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Freon 113	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Methylene Chloride	2.0		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Naphthalene	0.2	J	0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Styrene	U		1.0	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Toluene	0.9		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/31/12	01/31/12 15:59	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.890		97 %	*86-115*	01/31/12	01/31/12 15:59	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.360		109 %	*76-114*	01/31/12	01/31/12 15:59	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB05	**Lab ID:** 1201013-30
Sample Matrix: Water	**Date Collected:** 01/27/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.860		96 %	*88-110*	01/31/12	01/31/12 15:59	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW24
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1201013-31
Date Collected: 01/27/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.5	B, J	2.0	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Benzene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Bromoform	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Carbon disulfide	0.1	J	0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Chloroform	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW24
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1201013-31
Date Collected: 01/27/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Freon 113	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Styrene	U		1.0	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Toluene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/31/12	01/31/12 18:27	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.650		**91 %**	*86-115*	01/31/12	01/31/12 18:27	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.340		**108 %**	*76-114*	01/31/12	01/31/12 18:27	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW24	**Lab ID:** 1201013-31
Sample Matrix: Drinking Water	**Date Collected:** 01/27/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.590		90 %	*88-110*	01/31/12	01/31/12 18:27	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW24-P	**Lab ID:** 1201013-32
Sample Matrix: Drinking Water	**Date Collected:** 01/27/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.7	B, J	2.0	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Benzene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Bromoform	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Carbon disulfide	0.05	J	0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Chloroform	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW24-P
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1201013-32
Date Collected: 01/27/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Freon 113	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Styrene	U		1.0	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Toluene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/31/12	01/31/12 18:56	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.680		**92 %**	*86-115*	01/31/12	01/31/12 18:56	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.240		**106 %**	*76-114*	01/31/12	01/31/12 18:56	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW24-P	**Lab ID:** 1201013-32
Sample Matrix: Drinking Water	**Date Collected:** 01/27/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.630		91 %	*88-110*	01/31/12	01/31/12 18:56	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW12	**Lab ID:** 1201013-33
Sample Matrix: Drinking Water	**Date Collected:** 01/26/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.8	B, J	2.0	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Benzene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Bromoform	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Chloroethane	0.2	J	0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Chloroform	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Chloromethane	0.6		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW12
Lab ID: 1201013-33
Sample Matrix: Drinking Water
Date Collected: 01/26/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Freon 113	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Styrene	U		1.0	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Toluene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/31/12	01/31/12 19:24	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.780		94 %	*86-115*	01/31/12	01/31/12 19:24	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.430		111 %	*76-114*	01/31/12	01/31/12 19:24	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW12	**Lab ID:** 1201013-33
Sample Matrix: Drinking Water	**Date Collected:** 01/26/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.590		90 %	*88-110*	01/31/12	01/31/12 19:24	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW17	**Lab ID:** 1201013-34
Sample Matrix: Drinking Water	**Date Collected:** 01/27/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.2	B, J	2.0	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Benzene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Bromoform	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Chloroform	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW17
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1201013-34
Date Collected: 01/27/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Freon 113	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Styrene	U		1.0	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Toluene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/31/12	01/31/12 19:52	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	% Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.900		**98 %**	*86-115*	01/31/12	01/31/12 19:52	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.360		**109 %**	*76-114*	01/31/12	01/31/12 19:52	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
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701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW17	**Lab ID:** 1201013-34
Sample Matrix: Drinking Water	**Date Collected:** 01/27/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.660		**92 %**	*88-110*	01/31/12	01/31/12 19:52	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW14
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1201013-35
Date Collected: 01/26/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.6	B, J	2.0	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Benzene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Bromoform	0.2	J	0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
2-Butanone	U		2.0	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Chloroform	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater **Project #:** DAS R33907
Station ID: HW14 **Lab ID:** 1201013-35
Sample Matrix: Drinking Water **Date Collected:** 01/26/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Freon 113	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Styrene	U		1.0	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Toluene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/31/12	01/31/12 20:20	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.720		**93 %**	*86-115*	01/31/12	01/31/12 20:20	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.190		**105 %**	*76-114*	01/31/12	01/31/12 20:20	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW14	**Lab ID:** 1201013-35
Sample Matrix: Drinking Water	**Date Collected:** 01/26/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.720		93 %	*88-110*	01/31/12	01/31/12 20:20	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW14-P	**Lab ID:** 1201013-36
Sample Matrix: Drinking Water	**Date Collected:** 01/26/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	81.1	K	2.0	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Benzene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Bromoform	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
2-Butanone	1.0	B, J	2.0	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Chloroform	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
trans-1,2-Dichloroethene	0.08	J	0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: HW14-P
Lab ID: 1201013-36
Sample Matrix: Drinking Water
Date Collected: 01/26/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Freon 113	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Styrene	U		1.0	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Toluene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/31/12	01/31/12 20:48	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.880		**97 %**	*86-115*	01/31/12	01/31/12 20:48	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.250		**106 %**	*76-114*	01/31/12	01/31/12 20:48	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW14-P	**Lab ID:** 1201013-36
Sample Matrix: Drinking Water	**Date Collected:** 01/26/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.570		**89 %**	*88-110*	01/31/12	01/31/12 20:48	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: TB05
Sample Matrix: Water
Project #: DAS R33907
Lab ID: 1201013-45
Date Collected: 01/26/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.6	J	2.0	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Benzene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Bromoform	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
2-Butanone	0.4	J	2.0	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Chloroform	7.7		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: TB05
Lab ID: 1201013-45
Sample Matrix: Water
Date Collected: 01/26/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Freon 113	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Methylene Chloride	1.1		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Naphthalene	0.3	J	0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Styrene	U		1.0	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Toluene	0.6		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Trichloroethene	2.0		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
m-Xylene/p-Xylene	0.1	J	1.0	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210
o-Xylene	0.06	J	1.0	1	01/31/12	01/31/12 16:59	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.870		**97 %**	*86-115*	01/31/12	01/31/12 16:59	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.360		**109 %**	*76-114*	01/31/12	01/31/12 16:59	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: TB05	**Lab ID:** 1201013-45
Sample Matrix: Water	**Date Collected:** 01/26/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.760		**94 %**	*88-110*	01/31/12	01/31/12 16:59	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: TB07	**Lab ID:** 1201013-46
Sample Matrix: Water	**Date Collected:** 01/27/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.3	J	2.0	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Benzene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Bromoform	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
2-Butanone	0.4	J	2.0	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Chloroform	7.7		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: TB07
Sample Matrix: Water
Project #: DAS R33907
Lab ID: 1201013-46
Date Collected: 01/27/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Freon 113	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Methylene Chloride	1.1		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Naphthalene	0.3	J	0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Styrene	U		1.0	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Toluene	0.6		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Trichloroethene	1.5		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
m-Xylene/p-Xylene	0.1	J	1.0	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/31/12	01/31/12 16:29	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.780		94 %	*86-115*	01/31/12	01/31/12 16:29	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.510		113 %	*76-114*	01/31/12	01/31/12 16:29	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: TB07	**Lab ID:** 1201013-46
Sample Matrix: Water	**Date Collected:** 01/27/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.680		92 %	*88-110*	01/31/12	01/31/12 16:29	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: TB06
Sample Matrix: Water
Project #: DAS R33907
Lab ID: 1201013-47
Date Collected: 01/27/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.4	J	2.0	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Benzene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Bromoform	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
2-Butanone	0.6	J	2.0	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Chloroform	7.6		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Station ID: TB06
Sample Matrix: Water
Project #: DAS R33907
Lab ID: 1201013-47
Date Collected: 01/27/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Freon 113	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Methylene Chloride	1.1		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Naphthalene	0.3	J	0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Styrene	U		1.0	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Toluene	0.5		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Trichloroethene	1.6		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
m-Xylene/p-Xylene	0.1	J	1.0	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/31/12	01/31/12 17:58	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.890		97 %	*86-115*	01/31/12	01/31/12 17:58	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.590	*A*	115 %	*76-114*	01/31/12	01/31/12 17:58	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: TB06	**Lab ID:** 1201013-47
Sample Matrix: Water	**Date Collected:** 01/27/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.620		**90 %**	*88-110*	01/31/12	01/31/12 17:58	*CLP trace/R3QA210*

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: TB04	**Lab ID:** 1201013-48
Sample Matrix: Water	**Date Collected:** 01/26/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.4	J	2.0	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Benzene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Bromodichloromethane	0.05	J	0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Bromoform	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
2-Butanone	0.5	J	2.0	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Chloroform	8.2		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater
Project #: DAS R33907
Station ID: TB04
Lab ID: 1201013-48
Sample Matrix: Water
Date Collected: 01/26/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Ethylbenzene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Freon 113	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
2-Hexanone	U		2.0	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Methylene Chloride	1.2		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Naphthalene	0.3	J	0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Styrene	U		1.0	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Toluene	0.7		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Trichloroethene	2.2		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
m-Xylene/p-Xylene	0.1	J	1.0	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210
o-Xylene	0.08	J	1.0	1	01/31/12	01/31/12 17:29	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.760		**94 %**	*86-115*	01/31/12	01/31/12 17:29	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	4.380		**110 %**	*76-114*	01/31/12	01/31/12 17:29	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: TB04	**Lab ID:** 1201013-48
Sample Matrix: Water	**Date Collected:** 01/26/2012

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Toluene-d8	3.640		**91 %**	*88-110*	01/31/12	01/31/12 17:29	*CLP trace/R3QA210*

DRAFT

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-01					
Station ID:	FB01					
Sample Matrix:	Water					
Collected:	01/23/2012					
	None Detected	0.0			01/27/12 14:48	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-03					
Station ID:	HW19					
Sample Matrix:	Drinking Water					
Collected:	01/23/2012					
	None Detected	0.0			01/27/12 16:10	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-05					
Station ID:	HW19-P					
Sample Matrix:	Drinking Water					
Collected:	01/23/2012					
	None Detected	0.0			01/27/12 16:37	CLP trace/R3QA210

DRAFT

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-07					
Station ID:	FB02					
Sample Matrix:	Water					
Collected:	01/24/2012					
	None Detected	0.0			01/27/12 15:16	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-09					
Station ID:	HW04					
Sample Matrix:	Drinking Water					
Collected:	01/24/2012					
	None Detected	0.0			01/27/12 17:04	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-11					
Station ID:	TB01					
Sample Matrix:	Water					
Collected:	01/23/2012					
	None Detected	0.0			01/27/12 15:43	CLP trace/R3QA210

DRAFT

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-12					
Station ID:	FB03					
Sample Matrix:	Water					
Collected:	01/25/2012					
	None Detected	0.0			01/30/12 15:20	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-13					
Station ID:	HW02					
Sample Matrix:	Drinking Water					
Collected:	01/25/2012					
	None Detected	0.0			01/30/12 16:43	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-14					
Station ID:	HW02z					
Sample Matrix:	Drinking Water					
Collected:	01/25/2012					
	None Detected	0.0			01/30/12 17:10	CLP trace/R3QA210

DRAFT

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-15					
Station ID:	HW01					
Sample Matrix:	Drinking Water					
Collected:	01/25/2012					
74-98-6	Propane	0.4	T	1.17	01/30/12 17:38	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-16					
Station ID:	HW05					
Sample Matrix:	Drinking Water					
Collected:	01/26/2012					
	None Detected	0.0			01/30/12 18:05	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-17					
Station ID:	HW06					
Sample Matrix:	Drinking Water					
Collected:	01/26/2012					
74-98-6	Propane	4.4	T	1.17	01/30/12 18:32	CLP trace/R3QA210
420-56-4	Trimethylsilyl fluoride	0.5	T	1.60	01/30/12 18:32	CLP trace/R3QA210

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-25					
Station ID:	TB02					
Sample Matrix:	Water					
Collected:	01/25/2012					
	None Detected	0.0			01/30/12 15:48	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-26					
Station ID:	TB03					
Sample Matrix:	Water					
Collected:	01/25/2012					
	None Detected	0.0			01/30/12 16:15	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-28					
Station ID:	HW08a					
Sample Matrix:	Drinking Water					
Collected:	01/25/2012					
74-98-6	Propane	0.8	T	1.17	01/31/12 14:59	CLP trace/R3QA210

DRAFT

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-29					
Station ID:	FB04					
Sample Matrix:	Water					
Collected:	01/26/2012					
	None Detected	0.0			01/31/12 15:29	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-30					
Station ID:	FB05					
Sample Matrix:	Water					
Collected:	01/27/2012					
	None Detected	0.0			01/31/12 15:59	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-31					
Station ID:	HW24					
Sample Matrix:	Drinking Water					
Collected:	01/27/2012					
420-56-4	Trimethylsilyl fluoride	1.9	T	1.60	01/31/12 18:27	CLP trace/R3QA210

DRAFT

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-32					
Station ID:	HW24-P					
Sample Matrix:	Drinking Water					
Collected:	01/27/2012					
420-56-4	Trimethylsilyl fluoride	0.5	T	1.60	01/31/12 18:56	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-33					
Station ID:	HW12					
Sample Matrix:	Drinking Water					
Collected:	01/26/2012					
74-98-6	Propane	30.9	T	1.17	01/31/12 19:24	CLP trace/R3QA210
75-28-5	Isobutane	2.6	T	1.33	01/31/12 19:24	CLP trace/R3QA210
106-97-8	Butane	4.1	T	1.48	01/31/12 19:24	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-34					
Station ID:	HW17					
Sample Matrix:	Drinking Water					
Collected:	01/27/2012					
	None Detected	0.0			01/31/12 19:52	CLP trace/R3QA210

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-35					
Station ID:	HW14					
Sample Matrix:	Drinking Water					
Collected:	01/26/2012					
	None Detected	0.0			01/31/12 20:20	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-36					
Station ID:	HW14-P					
Sample Matrix:	Drinking Water					
Collected:	01/26/2012					
67-63-0	Isopropyl alcohol	4.4	T	2.33	01/31/12 20:48	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-45					
Station ID:	TB05					
Sample Matrix:	Water					
Collected:	01/26/2012					
	None Detected	0.0			01/31/12 16:59	CLP trace/R3QA210

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-46					
Station ID:	TB07					
Sample Matrix:	Water					
Collected:	01/27/2012					
	None Detected	0.0			01/31/12 16:29	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-47					
Station ID:	TB06					
Sample Matrix:	Water					
Collected:	01/27/2012					
	None Detected	0.0			01/31/12 17:58	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201013-48					
Station ID:	TB04					
Sample Matrix:	Water					
Collected:	01/26/2012					
	None Detected	0.0			01/31/12 17:29	CLP trace/R3QA210

DRAFT

Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB20301 - VOC Purge and Trap										
Blank (BB20301-BLK1)				Prepared & Analyzed: 01/27/12 12:14						
Acetone	U	2.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromochloromethane	U	0.5	"							
Bromodichloromethane	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	2.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB20301 - VOC Purge and Trap										
Blank (BB20301-BLK1)				Prepared & Analyzed: 01/27/12 12:14						
cis-1,3-Dichloropropene	U	0.5	ug/L							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							
Hexachlorobutadiene	U	0.5	"							
2-Hexanone	U	2.0	"							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	2.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
Surrogate: 4-Bromofluorobenzene	*3.790*		"	*4.0000*		*95*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*4.260*		"	*4.0000*		*106*	*76-114*			
Surrogate: Toluene-d8	*3.920*		"	*4.0000*		*98*	*88-110*			

DRAFT

Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB20301 - VOC Purge and Trap										
Blank (BB20301-BLK2)				Prepared & Analyzed: 01/30/12 13:05						
Acetone	U	2.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromochloromethane	U	0.5	"							
Bromodichloromethane	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	2.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB20301 - VOC Purge and Trap										
Blank (BB20301-BLK2)				Prepared & Analyzed: 01/30/12 13:05						
Freon 113	U	0.5	ug/L							
Hexachlorobutadiene	U	0.5	"							
2-Hexanone	U	2.0	"							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	2.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
Surrogate: 4-Bromofluorobenzene	*3.730*		"	*4.0000*		*93*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*4.030*		"	*4.0000*		*101*	*76-114*			
Surrogate: Toluene-d8	*3.750*		"	*4.0000*		*94*	*88-110*			

DRAFT

Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB20301 - VOC Purge and Trap										
Blank (BB20301-BLK3)				Prepared & Analyzed: 01/31/12 13:31						
Acetone	U	2.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromochloromethane	U	0.5	"							
Bromodichloromethane	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	2.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB20301 - VOC Purge and Trap										
Blank (BB20301-BLK3)				Prepared & Analyzed: 01/31/12 13:31						
Freon 113	U	0.5	ug/L							
Hexachlorobutadiene	U	0.5	"							
2-Hexanone	U	2.0	"							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	2.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
Surrogate: 4-Bromofluorobenzene	*3.780*		"	*4.0000*		*94*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*4.330*		"	*4.0000*		*108*	*76-114*			
Surrogate: Toluene-d8	*3.600*		"	*4.0000*		*90*	*88-110*			

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB20301 - VOC Purge and Trap										
Blank (BB20301-BLK4)				Prepared & Analyzed: 02/02/12 11:56						
Acetone	U	2.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromochloromethane	U	0.5	"							
Bromodichloromethane	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	2.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB20301 - VOC Purge and Trap										
Blank (BB20301-BLK4)				Prepared & Analyzed: 02/02/12 11:56						
Freon 113	U	0.5	ug/L							
Hexachlorobutadiene	U	0.5	"							
2-Hexanone	U	2.0	"							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	2.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
Surrogate: 4-Bromofluorobenzene	*3.730*		"	*4.0000*		*93*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*4.280*		"	*4.0000*		*107*	*76-114*			
Surrogate: Toluene-d8	*3.570*		"	*4.0000*		*89*	*88-110*			

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB20301 - VOC Purge and Trap										
LCS (BB20301-BS1)				Prepared & Analyzed: 01/24/12 19:56						
Acetone	1.31	2.0	ug/L				80-120			J
Benzene	4.81	0.5	"	5.0000		96	80-120			
Bromobenzene	4.91	0.5	"	5.0000		98	80-120			
Bromochloromethane	4.93	0.5	"	5.0000		99	80-120			
Bromodichloromethane	4.97	0.5	"	5.0000		99	80-120			
Bromoform	4.78	0.5	"	5.0000		96	80-120			
Bromomethane	6.26	0.5	"	5.0000		125	80-120			A
2-Butanone	U	2.0	"				80-120			
sec-Butylbenzene	5.79	0.5	"	5.0000		116	80-120			
tert-Butylbenzene	5.75	0.5	"	5.0000		115	80-120			
n-Butylbenzene	6.00	0.5	"	5.0000		120	80-120			
Carbon disulfide	U	0.5	"				80-120			
Carbon Tetrachloride	5.06	0.5	"	5.0000		101	80-120			
Chlorobenzene	4.86	0.5	"	5.0000		97	80-120			
Chlorodibromomethane	4.67	0.5	"	5.0000		93	80-120			
Chloroethane	5.72	0.5	"	5.0000		114	80-120			
Chloroform	5.03	0.5	"	5.0000		101	80-120			
Chloromethane	6.87	0.5	"	5.0000		137	80-120			A
2-Chlorotoluene	5.11	0.5	"	5.0000		102	80-120			
4-Chlorotoluene	5.26	0.5	"	5.0000		105	80-120			
Cyclohexane	U	0.5	"				80-120			
1,2-Dibromo-3-chloropropane	4.53	0.5	"	5.0000		91	80-120			
1,2-Dibromoethane (EDB)	4.52	0.5	"	5.0000		90	80-120			
Dibromomethane	4.69	0.5	"	5.0000		94	80-120			
1,2-Dichlorobenzene	5.16	0.5	"	5.0000		103	80-120			
1,3-Dichlorobenzene	5.21	0.5	"	5.0000		104	80-120			
1,4-Dichlorobenzene	5.22	0.5	"	5.0000		104	80-120			
Dichlorodifluoromethane	9.01	0.5	"	5.0000		180	80-120			A
1,1-Dichloroethane	5.06	0.5	"	5.0000		101	80-120			
1,2-Dichloroethane	4.78	0.5	"	5.0000		96	80-120			
1,1-Dichloroethene	5.12	0.5	"	5.0000		102	80-120			
cis-1,2-Dichloroethene	4.66	0.5	"	5.0000		93	80-120			
trans-1,2-Dichloroethene	5.03	0.5	"	5.0000		101	80-120			
1,2-Dichloropropane	4.88	0.5	"	5.0000		98	80-120			
1,3-Dichloropropane	4.56	0.5	"	5.0000		91	80-120			
2,2-Dichloropropane	4.54	0.5	"	5.0000		91	80-120			
1,1-Dichloropropene	4.90	0.5	"	5.0000		98	80-120			
cis-1,3-Dichloropropene	4.68	0.5	"	5.0000		94	80-120			
trans-1,3-Dichloropropene	5.05	0.5	"	5.0000		101	80-120			
Ethylbenzene	5.17	0.5	"	5.0000		103	80-120			

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB20301 - VOC Purge and Trap										
LCS (BB20301-BS1)				Prepared & Analyzed: 01/24/12 19:56						
Freon 113	U	0.5	ug/L				80-120			
Hexachlorobutadiene	6.09	0.5	"	5.0000		122	80-120			A
2-Hexanone	U	2.0	"				80-120			
Isopropylbenzene	6.05	0.5	"	5.0000		121	80-120			A
p-Isopropyltoluene	6.17	0.5	"	5.0000		123	80-120			A
Methyl Acetate	U	0.5	"				80-120			
Methylcyclohexane	U	0.5	"				80-120			
Methyl-tert-butyl ether	U	0.5	"				80-120			
Methylene Chloride	4.84	0.5	"	5.0000		97	80-120			
4-Methyl-2-pentanone	U	2.0	"				80-120			
Naphthalene	5.08	0.5	"	5.0000		102	80-120			
n-Propylbenzene	5.69	0.5	"	5.0000		114	80-120			
1,1,2,2-Tetrachloroethane	4.39	0.5	"	5.0000		88	80-120			
1,1,1,2-Tetrachloroethane	4.85	0.5	"	5.0000		97	80-120			
Tetrachloroethene	5.37	0.5	"	5.0000		107	80-120			
Toluene	4.73	0.5	"	5.0000		95	80-120			
1,2,3-Trichlorobenzene	5.34	0.5	"	5.0000		107	80-120			
1,2,4-Trichlorobenzene	5.66	0.5	"	5.0000		113	80-120			
1,1,1-Trichloroethane	4.97	0.5	"	5.0000		99	80-120			
1,1,2-Trichloroethane	4.68	0.5	"	5.0000		94	80-120			
Trichloroethene	5.03	0.5	"	5.0000		101	80-120			
Trichlorofluoromethane	5.42	0.5	"	5.0000		108	80-120			
1,2,3-Trichloropropane	4.33	0.5	"	5.0000		87	80-120			
1,2,4-Trimethylbenzene	5.46	0.5	"	5.0000		109	80-120			
1,3,5-Trimethylbenzene	5.38	0.5	"	5.0000		108	80-120			
Vinyl acetate	U	0.5	"				80-120			
Vinyl chloride	6.13	0.5	"	5.0000		123	80-120			A
m-Xylene/p-Xylene	10.24	1.0	"	10.000		102	80-120			
Surrogate: 4-Bromofluorobenzene	*4.070*		"	*4.0000*		*102*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*3.970*		"	*4.0000*		*99*	*76-114*			
Surrogate: Toluene-d8	*3.840*		"	*4.0000*		*96*	*88-110*			

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB20301 - VOC Purge and Trap										
Matrix Spike (BB20301-MS1)		**Source: 1201013-14**		Prepared & Analyzed: 02/02/12 12:50						
Acetone	5.40	2.0	ug/L	5.0000	0.00	108	70-130			
Benzene	5.86	0.5	"	5.0000	0.00	117	76-127			
Bromobenzene	4.44	0.5	"	5.0000	0.00	89	70-130			
Bromochloromethane	5.75	0.5	"	5.0000	0.00	115	70-130			
Bromodichloromethane	6.05	0.5	"	5.0000	0.00	121	70-130			
Bromoform	5.01	0.5	"	5.0000	0.00	100	70-130			
Bromomethane	5.05	0.5	"	5.0000	0.00	101	70-130			
2-Butanone	6.99	2.0	"	5.0000	0.00	140	70-130			A
sec-Butylbenzene	5.06	0.5	"	5.0000	0.00	101	70-130			
tert-Butylbenzene	4.99	0.5	"	5.0000	0.00	100	70-130			
n-Butylbenzene	5.22	0.5	"	5.0000	0.00	104	70-130			
Carbon disulfide	5.44	0.5	"	5.0000	0.00	109	70-130			
Carbon Tetrachloride	6.26	0.5	"	5.0000	0.00	125	70-130			
Chlorobenzene	4.60	0.5	"	5.0000	0.00	92	75-130			
Chlorodibromomethane	4.87	0.5	"	5.0000	0.00	97	70-130			
Chloroethane	5.47	0.5	"	5.0000	0.00	109	70-130			
Chloroform	6.04	0.5	"	5.0000	0.00	121	70-130			
Chloromethane	4.89	0.5	"	5.0000	0.00	98	70-130			
2-Chlorotoluene	4.64	0.5	"	5.0000	0.00	93	70-130			
4-Chlorotoluene	4.52	0.5	"	5.0000	0.00	90	70-130			
1,2-Dibromo-3-chloropropane	4.85	0.5	"	5.0000	0.00	97	70-130			
1,2-Dibromoethane (EDB)	4.89	0.5	"	5.0000	0.00	98	70-130			
Dibromomethane	5.83	0.5	"	5.0000	0.00	117	70-130			
1,2-Dichlorobenzene	4.52	0.5	"	5.0000	0.00	90	70-130			
1,3-Dichlorobenzene	4.50	0.5	"	5.0000	0.00	90	70-130			
1,4-Dichlorobenzene	4.53	0.5	"	5.0000	0.00	91	70-130			
Dichlorodifluoromethane	3.95	0.5	"	5.0000	0.00	79	70-130			
1,1-Dichloroethane	6.01	0.5	"	5.0000	0.00	120	70-130			
1,2-Dichloroethane	6.13	0.5	"	5.0000	0.00	123	70-130			
1,1-Dichloroethene	5.69	0.5	"	5.0000	0.00	114	61-145			
cis-1,2-Dichloroethene	5.81	0.5	"	5.0000	0.00	116	70-130			
trans-1,2-Dichloroethene	5.78	0.5	"	5.0000	0.00	116	70-130			
1,2-Dichloropropane	5.92	0.5	"	5.0000	0.00	118	70-130			
1,3-Dichloropropane	4.76	0.5	"	5.0000	0.00	95	70-130			
2,2-Dichloropropane	5.51	0.5	"	5.0000	0.00	110	70-130			
1,1-Dichloropropene	5.86	0.5	"	5.0000	0.00	117	70-130			
cis-1,3-Dichloropropene	5.85	0.5	"	5.2500	0.00	111	70-130			
trans-1,3-Dichloropropene	4.71	0.5	"	4.7500	0.00	99	70-130			
Ethylbenzene	4.88	0.5	"	5.0000	0.00	98	70-130			
Hexachlorobutadiene	4.88	0.5	"	5.0000	0.00	98	70-130			

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB20301 - VOC Purge and Trap										
Matrix Spike (BB20301-MS1)		**Source: 1201013-14**		Prepared & Analyzed: 02/02/12 12:50						
2-Hexanone	4.74	2.0	ug/L	5.0000	0.00	95	70-130			
Isopropylbenzene	4.99	0.5	"	5.0000	0.00	100	70-130			
p-Isopropyltoluene	4.99	0.5	"	5.0000	0.00	100	70-130			
Methylene Chloride	5.70	0.5	"	5.0000	0.00	114	70-130			
4-Methyl-2-pentanone	4.53	2.0	"	5.0000	0.00	91	70-130			
Naphthalene	4.48	0.5	"	5.0000	0.00	90	70-130			
n-Propylbenzene	4.86	0.5	"	5.0000	0.00	97	70-130			
1,1,2,2-Tetrachloroethane	4.61	0.5	"	5.0000	0.00	92	70-130			
1,1,1,2-Tetrachloroethane	4.89	0.5	"	5.0000	0.00	98	70-130			
Tetrachloroethene	4.49	0.5	"	5.0000	0.00	90	70-130			
Toluene	4.65	0.5	"	5.0000	0.00	93	76-125			
1,2,3-Trichlorobenzene	4.64	0.5	"	5.0000	0.00	93	70-130			
1,2,4-Trichlorobenzene	4.53	0.5	"	5.0000	0.00	91	70-130			
1,1,1-Trichloroethane	6.00	0.5	"	5.0000	0.00	120	70-130			
1,1,2-Trichloroethane	4.76	0.5	"	5.0000	0.00	95	70-130			
Trichloroethene	5.71	0.5	"	5.0000	0.00	114	71-120			
Trichlorofluoromethane	5.62	0.5	"	5.0000	0.00	112	70-130			
1,2,3-Trichloropropane	4.60	0.5	"	5.0000	0.00	92	70-130			
1,2,4-Trimethylbenzene	4.76	0.5	"	5.0000	0.00	95	70-130			
1,3,5-Trimethylbenzene	4.78	0.5	"	5.0000	0.00	96	70-130			
Vinyl acetate	5.51	0.5	"	5.0000	0.00	110	70-130			
Vinyl chloride	5.08	0.5	"	5.0000	0.00	102	70-130			
m-Xylene/p-Xylene	9.68	1.0	"	10.000	0.00	97	70-130			
Surrogate: 4-Bromofluorobenzene	*3.920*		"	*4.0000*		*98*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*4.160*		"	*4.0000*		*104*	*76-114*			
Surrogate: Toluene-d8	*3.480*		"	*4.0000*		*87*	*88-110*			A
Matrix Spike (BB20301-MS2)		**Source: 1201013-33**		Prepared & Analyzed: 02/02/12 13:17						
Acetone	5.70	2.0	ug/L	5.0000	1.82	78	70-130			
Benzene	5.86	0.5	"	5.0000	0.00	117	76-127			
Bromobenzene	4.64	0.5	"	5.0000	0.00	93	70-130			
Bromochloromethane	5.92	0.5	"	5.0000	0.00	118	70-130			
Bromodichloromethane	6.18	0.5	"	5.0000	0.00	124	70-130			
Bromoform	5.27	0.5	"	5.0000	0.00	105	70-130			
Bromomethane	4.54	0.5	"	5.0000	0.00	91	70-130			
2-Butanone	7.24	2.0	"	5.0000	0.00	145	70-130			A
sec-Butylbenzene	5.38	0.5	"	5.0000	0.00	108	70-130			
tert-Butylbenzene	5.31	0.5	"	5.0000	0.00	106	70-130			
n-Butylbenzene	5.50	0.5	"	5.0000	0.00	110	70-130			
Carbon disulfide	5.50	0.5	"	5.0000	0.00	110	70-130			

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB20301 - VOC Purge and Trap										
Matrix Spike (BB20301-MS2)		**Source: 1201013-33**		Prepared & Analyzed: 02/02/12 13:17						
Carbon Tetrachloride	6.26	0.5	ug/L	5.0000	0.00	125	70-130			
Chlorobenzene	4.82	0.5	"	5.0000	0.00	96	75-130			
Chlorodibromomethane	4.95	0.5	"	5.0000	0.00	99	70-130			
Chloroethane	5.33	0.5	"	5.0000	0.21	102	70-130			
Chloroform	5.87	0.5	"	5.0000	0.00	117	70-130			
Chloromethane	4.51	0.5	"	5.0000	0.59	78	70-130			
2-Chlorotoluene	4.83	0.5	"	5.0000	0.00	97	70-130			
4-Chlorotoluene	4.82	0.5	"	5.0000	0.00	96	70-130			
1,2-Dibromo-3-chloropropane	5.20	0.5	"	5.0000	0.00	104	70-130			
1,2-Dibromoethane (EDB)	4.89	0.5	"	5.0000	0.00	98	70-130			
Dibromomethane	5.65	0.5	"	5.0000	0.00	113	70-130			
1,2-Dichlorobenzene	4.76	0.5	"	5.0000	0.00	95	70-130			
1,3-Dichlorobenzene	4.71	0.5	"	5.0000	0.00	94	70-130			
1,4-Dichlorobenzene	4.76	0.5	"	5.0000	0.00	95	70-130			
Dichlorodifluoromethane	3.97	0.5	"	5.0000	0.00	79	70-130			
1,1-Dichloroethane	6.02	0.5	"	5.0000	0.00	120	70-130			
1,2-Dichloroethane	5.94	0.5	"	5.0000	0.00	119	70-130			
1,1-Dichloroethene	5.66	0.5	"	5.0000	0.00	113	61-145			
cis-1,2-Dichloroethene	5.93	0.5	"	5.0000	0.00	119	70-130			
trans-1,2-Dichloroethene	5.75	0.5	"	5.0000	0.00	115	70-130			
1,2-Dichloropropane	5.78	0.5	"	5.0000	0.00	116	70-130			
1,3-Dichloropropane	4.88	0.5	"	5.0000	0.00	98	70-130			
2,2-Dichloropropane	5.28	0.5	"	5.0000	0.00	106	70-130			
1,1-Dichloropropene	6.00	0.5	"	5.0000	0.00	120	70-130			
cis-1,3-Dichloropropene	5.84	0.5	"	5.2500	0.00	111	70-130			
trans-1,3-Dichloropropene	4.84	0.5	"	4.7500	0.00	102	70-130			
Ethylbenzene	5.15	0.5	"	5.0000	0.00	103	70-130			
Hexachlorobutadiene	5.22	0.5	"	5.0000	0.00	104	70-130			
2-Hexanone	5.01	2.0	"	5.0000	0.00	100	70-130			
Isopropylbenzene	5.28	0.5	"	5.0000	0.00	106	70-130			
p-Isopropyltoluene	5.27	0.5	"	5.0000	0.00	105	70-130			
Methylene Chloride	5.70	0.5	"	5.0000	0.00	114	70-130			
4-Methyl-2-pentanone	5.13	2.0	"	5.0000	0.00	103	70-130			
Naphthalene	4.61	0.5	"	5.0000	0.00	92	70-130			
n-Propylbenzene	5.18	0.5	"	5.0000	0.00	104	70-130			
1,1,2,2-Tetrachloroethane	4.66	0.5	"	5.0000	0.00	93	70-130			
1,1,1,2-Tetrachloroethane	5.18	0.5	"	5.0000	0.00	104	70-130			
Tetrachloroethene	5.12	0.5	"	5.0000	0.00	102	70-130			
Toluene	4.81	0.5	"	5.0000	0.00	96	76-125			
1,2,3-Trichlorobenzene	4.72	0.5	"	5.0000	0.00	94	70-130			

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB20301 - VOC Purge and Trap										
Matrix Spike (BB20301-MS2)		**Source: 1201013-33**		Prepared & Analyzed: 02/02/12 13:17						
1,2,4-Trichlorobenzene	4.91	0.5	ug/L	5.0000	0.00	98	70-130			
1,1,1-Trichloroethane	6.03	0.5	"	5.0000	0.00	121	70-130			
1,1,2-Trichloroethane	4.92	0.5	"	5.0000	0.00	98	70-130			
Trichloroethene	5.94	0.5	"	5.0000	0.00	119	71-120			
Trichlorofluoromethane	4.20	0.5	"	5.0000	0.00	84	70-130			
1,2,3-Trichloropropane	4.63	0.5	"	5.0000	0.00	93	70-130			
1,2,4-Trimethylbenzene	5.06	0.5	"	5.0000	0.00	101	70-130			
1,3,5-Trimethylbenzene	5.11	0.5	"	5.0000	0.00	102	70-130			
Vinyl acetate	5.56	0.5	"	5.0000	0.00	111	70-130			
Vinyl chloride	5.05	0.5	"	5.0000	0.00	101	70-130			
m-Xylene/p-Xylene	10.11	1.0	"	10.000	0.00	101	70-130			
Surrogate: 4-Bromofluorobenzene	*4.010*		"	*4.0000*		*100*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*3.870*		"	*4.0000*		*97*	*76-114*			
Surrogate: Toluene-d8	*3.530*		"	*4.0000*		*88*	*88-110*			

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

Notes and Definitions

T	Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
K	The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value. Reported value is an estimate.
J	The identification of the analyte is acceptable; the reported value is an estimate.
B	Not detected substantially above (10 times) the level reported in the laboratory or field blanks (including field, trip, rinsate, and equipment blanks).
A	Quality control value is outside acceptance limits.
%REC	Percent Recovery
RPD	Relative Percent Difference
U	Analyte included in the analysis, but not detected at or above the quantitation limit.

Quantitation Limit: The lowest concentration of an analyte that can be reliably measured within specified limits of precision and accuracy for a specific laboratory analytical method and that takes into account analytical adjustments made during sample preparation and analysis.

REPORTING PROTOCOL FOR SOLID SAMPLE RESULTS: Percent Solids (percent dry wt at 105 degrees C) determinations are routinely performed for most organic and inorganic analyses. Consequently, these samples are analyzed wet and converted to a dry weight result for reporting purposes. If metals and mercury analyses are requested, they are routinely prepared for analyses by an initial drying at 60 degrees C, homogenized prior to digestion, and are analyzed and reported on a dry weight basis. Oil-type samples are analyzed and reported on a wet weight basis for all analyses because of the nature of the sample matrix. Any exceptions to this protocol will be noted in the narrative.

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
	VOCs by CLP Equivalent (trace)	(Water)	J-Flags used
	VOCs by CLP Equivalent (trace)	(Water)	Result calculations based on MDL
	VOCs by CLP Equivalent (trace)	(Water)	Special Units: (ug/L)
1201013-01	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-03	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-05	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-07	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-09	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-11	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-12	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-13	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-14	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-15	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-15	VOCs by CLP Equivalent (trace)	Propane	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1201013-16	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-17	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-17	VOCs by CLP Equivalent (trace)	Propane	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1201013-17	VOCs by CLP Equivalent (trace)	Trimethylsilyl fluoride	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1201013-25	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-26	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-28	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-28	VOCs by CLP Equivalent (trace)	Propane	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1201013-29	VOCs by CLP Equivalent (trace)		Status is Analyzed

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
1201013-30	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-31	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-31	VOCs by CLP Equivalent (trace)	Trimethylsilyl fluoride	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1201013-32	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-32	VOCs by CLP Equivalent (trace)	Trimethylsilyl fluoride	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1201013-33	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-33	VOCs by CLP Equivalent (trace)	Butane	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1201013-33	VOCs by CLP Equivalent (trace)	Isobutane	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1201013-33	VOCs by CLP Equivalent (trace)	Propane	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1201013-34	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-35	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-36	VOCs by CLP Equivalent (trace)	Acetone	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value. Reported value is an estimate.
1201013-36	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-36.	VOCs by CLP Equivalent (trace)	Isopropyl alcohol	T: Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
1201013-45	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-46	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-47	VOCs by CLP Equivalent (trace)	1,2-Dichloroethane-d4	Exceeds upper control limit
1201013-47	VOCs by CLP Equivalent (trace)		Status is Analyzed
1201013-48	VOCs by CLP Equivalent (trace)		Status is Analyzed
BB20301-BS1	VOCs by CLP Equivalent (trace)	Bromomethane	Exceeds upper control limit
BB20301-BS1	VOCs by CLP Equivalent (trace)	Chloromethane	Exceeds upper control limit

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
BB20301-BS1	VOCs by CLP Equivalent (trace)	Dichlorodifluoromethane	Exceeds upper control limit
BB20301-BS1	VOCs by CLP Equivalent (trace)	Hexachlorobutadiene	Exceeds upper control limit
BB20301-BS1	VOCs by CLP Equivalent (trace)	Isopropylbenzene	Exceeds upper control limit
BB20301-BS1	VOCs by CLP Equivalent (trace)	p-Isopropyltoluene	Exceeds upper control limit
BB20301-BS1	VOCs by CLP Equivalent (trace)	Vinyl chloride	Exceeds upper control limit
BB20301-BS1	VOCs by CLP Equivalent (trace)	2-Butanone	No spike level
BB20301-BS1	VOCs by CLP Equivalent (trace)	2-Hexanone	No spike level
BB20301-BS1	VOCs by CLP Equivalent (trace)	4-Methyl-2-pentanone	No spike level
BB20301-BS1	VOCs by CLP Equivalent (trace)	Acetone	No spike level
BB20301-BS1	VOCs by CLP Equivalent (trace)	Carbon disulfide	No spike level
BB20301-BS1	VOCs by CLP Equivalent (trace)	Cyclohexane	No spike level
BB20301-BS1	VOCs by CLP Equivalent (trace)	Freon 113	No spike level
BB20301-BS1	VOCs by CLP Equivalent (trace)	Methyl Acetate	No spike level
BB20301-BS1	VOCs by CLP Equivalent (trace)	Methylcyclohexane	No spike level
BB20301-BS1	VOCs by CLP Equivalent (trace)	Methyl-tert-butyl ether	No spike level
BB20301-BS1	VOCs by CLP Equivalent (trace)	Vinyl acetate	No spike level
BB20301-MS1	VOCs by CLP Equivalent (trace)	Toluene-d8	Exceeds lower control limit
BB20301-MS1	VOCs by CLP Equivalent (trace)	2-Butanone	Exceeds upper control limit
BB20301-MS2	VOCs by CLP Equivalent (trace)	2-Butanone	Exceeds upper control limit

Case File Contents

Volatile Organic Compounds

VOCs by CLP Equivalent (trace)

WO 1201013

Dimock Residential Groundwater

DAS R33907

Quality Control Data

GC/MS QA-QC Check Report

Tune File : D:\data\01242012\0124BFB5.D
Tune Time : 24 Jan 2012 1:15 pm

Daily Calibration File : D:\data\01242012\0124C05.D

#	File	Sample	[DCA]	[T]	[BFB]	[DFB]	[CB]	[DCB]
						598536	478672	215567
			Surrogate Recovery %			Internal Standard Responses		
10	0124BLK.D	Blank-BLK	101	98	96	570925	465001	190486
2	0124C005.D	0.5ppb STD	106	103	96	592642	461434	199677
3	0124C01.D	1ppb STD,	103	100	98	588576	467256	203289
4	0124C02.D	2ppb STD,	98	98	97	591680	471322	206253
5	0124C05.D	5ppb STD,	98	100	97	598536	478672	215567
6	0124C10.D	10ppb STD,	97	100	104	610862	499799	214823
7	0124C20.D	20ppb STD,	98	98	108	622925	507698	228792
12	0124C50.D	50 ppb STD	101	100	113	619832	501964	247328
11	0124LCS.D	Batch-BS1,	99	96	102	585509	477940	207931

(fails) - fails 12hr time check * - fails criteria

Created: Thu Feb 02 08:46:10 2012 OBB-AG5975

GC/MS QA-QC Check Report

Tune File : D:\data\01272012\0127BFB.D
Tune Time : 27 Jan 2012 9:37 am

Daily Calibration File : D:\data\01272012\0127C05.D

	[DCA]	[T]	[BFB]	[DFB]	[CB]	[DCB]
				563815	452866	196660

#	File	Sample	Surrogate Recovery %			Internal Standard Responses		
2	0127BLK.D	Batch-BLK	107	98	95	533584	441140	182964
1	0127C05.D	5 ppb, 2.5	94	101	100	563815	452866	196660
3	0127LCS.D	Batch-BS1,	105	98	94	533653	429634	180613
2	120101301.D	FB01;L	102	99	97	510514	429808	177176
5	120101303.D	HW19;P	109	99	96	535292	439467	180122
6	120101305.D	HW19P; O	105	100	95	506830	424762	179098
3	120101307.D	FB02; O	106	98	98	537843	444404	180006
7	120101309.D	HW04; M	104	95	94	499394	430296	179415
4	120101311.D	TB01;C	106	98	95	527444	440139	184516

(fails) - fails 12hr time check * - fails criteria

Created: Thu Feb 02 08:38:57 2012 OBB-AG5975

GC/MS QA-QC Check Report

Tune File : D:\data\01302012\0130BFB.D
Tune Time : 30 Jan 2012 10:28 am

Daily Calibration File : D:\data\01302012\0130C05.D

		[DCA]	[T]	[BFB]	[DFB]	[CB]	[DCB]
					513918	434729	196938
# File	Sample	Surrogate Recovery %			Internal Standard Responses		
2 0130BLK.D	Batch-BLK	101	94	93	488011	421681	176212
1 0130C05.D	5 ppb, 2.5	98	99	97	513918	434729	196938
1 120101312.D	FB-03;N	94	93	99	463097	419403	172403
4 120101313.D	HW02; N	101	94	91	468779	418147	180121
5 120101314.D	HW02Z; O	104	95	95	470719	417611	176010
6 120101315.D	HW01; L	102	91	94	458718	417690	175760
7 120101316.D	HW05; O	103	95	98	465462	413318	172755
8 120101317.D	HW06; O	103	93	96	441873	402600	168543
2 120101325.D	TB-02; A	106	94	98	468795	425215	179161
3 120101326.D	TB-03; A	104	93	94	469682	421286	180117
9 120101328.D	HW08A; V	103	92	93	451794	410018	173006
3 FW1.D	FIELD WATE	100	95	96	470462	415464	179270
4 FW2.D	FIELD WATE	103	94	95	484387	425176	180822
5 GV1.D	GLASS VIAL	106	95	94	479671	425155	178571

(fails) - fails 12hr time check * - fails criteria

Created: Thu Feb 02 08:40:23 2012 OBB-AG5975

GC/MS QA-QC Check Report

Tune File : D:\data\01312012\0131BFB.D
Tune Time : 31 Jan 2012 11:27 am

Daily Calibration File : D:\data\01312012\0131C05.D

	[DCA]	[T]	[BFB]	[DFB]	[CB]	[DCB]
				471430	416428	194911

#	File	Sample	Surrogate Recovery %			Internal Standard Responses		
2	0131BLK.D	Batch-BLK	108	90	94	450403	417675	173584
1	0131C05.D	5 ppb, 2.5	100	95	96	471430	416428	194911
1	120101328.D	HW08A;U	100	93	94	444958	404534	168938
2	120101329.D	FB04; M	109	91	96	448791	416457	174517
3	120101330.D	FB-05; O	109	96	97	479781	427344	177167
8	120101331.D	HW24; L	108	90	91	434570	413188	182901
9	120101332.D	HW24P; L	106	91	92	431623	408713	174793
10	120101333.D	HW12; L	111	90	95	424877	411954	180416
11	120101334.D	HW17; L	109	92	97	441174	404307	171638
12	120101335.D	HW14; L	105	93	93	451558	408878	172043
13	120101336.D	HW14P; L	106	89	97	430479	413282	174750
5	120101345.D	TB05; B	109	94	97	476870	433296	184318
4	120101346.D	TB07; C	113	92	94	462003	429900	186435
7	120101347.D	TB06; A	115*	91	97	460664	433586	184343
6	120101348.D	TB04; A	110	91	94	452444	425907	184470

(fails) - fails 12hr time check * - fails criteria

Created: Thu Feb 02 08:42:39 2012 OBB-AG5975

GC/MS QA-QC Check Report

Tune File : D:\data\02022012\0202BFB.D
Tune Time : 2 Feb 2012 9:06 am

Daily Calibration File : D:\data\02022012\0202C05.D

#	File	Sample	[DCA]	[T]	[BFB]	[DFB] 440375	[CB] 410525	[DCB] 193547
			Surrogate Recovery %			Internal Standard Responses		
2	0202BLK.D	BATCH-BLK	107	89	93	408735	390948	165761
1	0202C05.D	5 ppb, 2.5	99	92	95	440375	410525	193547
3	0202LCS.D	BATCH-BS1,	107	89	95	400882	388450	163782
1	BS2.D	BATCH-BS2;	95	94	91	450834	409470	180245
2	BS3.D	BATCH-BS3;	101	88*	95	429836	408926	173907
4	MS14.D	BATCH-MS1,	104	87*	98	420904	421439	198138
5	MS33.D	BATCH-MS2,	97	88	100	444100	437283	205772

(fails) - fails 12hr time check * - fails criteria

Created: Fri Feb 03 09:09:49 2012 OBB-AG5975

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : MS14.D
Acq On : 2 Feb 2012 12:50 pm MS of sample 14
Operator : SCW OBB-AG5975
Sample : BATCH-MS1, 1201013-14, 5 PPB, 2.5 UL/100 ML,
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 02 13:22:03 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	420904	4.00	ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	421439	4.00	ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	198138	4.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-DICHLOROETHANE-d4	5.345	65	93630	4.16	ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	=	104.00%	
42) TOLUENE-d8	8.472	98	526777	3.48	ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	=	87.00%#	
60) 4-BROMOFLUOROBENZENE	11.530	95	186758	3.92	ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	=	98.00%	

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	1.203	85	81359	3.95	ug/L	100
3) CHLOROMETHANE	1.308	50	209681	4.89	ug/L	100
4) VINYL CHLORIDE	1.420	62	200915	5.08	ug/L	98
5) BROMOMETHANE	1.660	94	84522	5.05	ug/L	98
6) CHLOROETHANE	1.769	64	138874	5.47	ug/L	98
7) TRICHLOROFLUOROMETHANE	2.189	101	279090	5.62	ug/L	98
8) ACETONE	2.343	43	19449	5.40	ug/L #	86
9) 1,1-DICHLOROETHENE	2.646	96	129399	5.69	ug/L	94
10) ACRYLONITRILE	2.781	53	19292m	6.69	ug/L	
11) METHYLENE CHLORIDE	2.815	84	122447	5.70	ug/L #	73
12) Freon 113	2.897	101	121829	5.72	ug/L	86
13) CARBON DISULFIDE	2.927	76	422299	5.44	ug/L	100
14) METHYL ACETATE	2.954	43	35559	5.96	ug/L	95
15) TRANS-1,2-DICHLOROETHENE	3.535	96	152987	5.78	ug/L	97
16) METHYL-TERT-BUTYL ETHER	3.722	73	152919	5.70	ug/L	94
17) 1,1-DICHLOROETHANE	3.808	63	294777	6.01	ug/L	99
18) VINYL ACETATE	4.097	43	102913	5.51	ug/L	98
19) 2-BUTANONE	4.393	43	23125	6.99	ug/L #	81
20) CIS-1,2-DICHLOROETHENE	4.457	96	155793	5.81	ug/L	97
21) BROMOCHLOROMETHANE	4.625	128	48161	5.75	ug/L #	69
22) CHLOROFORM	4.704	83	253529	6.04	ug/L	99
23) 2,2-DICHLOROPROPANE	4.772	77	143216	5.51	ug/L	97
25) 1,2-DICHLOROETHANE	5.435	62	124017	6.13	ug/L	99
26) 1,1,1-TRICHLOROETHANE	5.525	97	217443	6.00	ug/L #	92
27) 1,1-DICHLOROPROPENE	5.769	75	194767	5.86	ug/L	97
28) CYCLOHEXANE	5.814	56	308561	6.12	ug/L	85
29) CARBON TETRACHLORIDE	5.923	117	186421	6.26	ug/L	99
30) BENZENE	5.997	78	629824	5.86	ug/L	98
31) DIBROMOMETHANE	6.638	93	44534	5.83	ug/L #	83
32) 1,2-DICHLOROPROPANE	6.710	63	142580	5.92	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : MS14.D
Acq On : 2 Feb 2012 12:50 pm
Operator : SCW OBB-AG5975
Sample : BATCH-MS1, 1201013-14, 5 PPB, 2.5 UL/100 ML,
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 02 13:22:03 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
33) TRICHLOROETHENE	6.770	130	160594	5.71 ug/L	96
34) BROMODICHLOROMETHANE	6.818	83	144383	6.05 ug/L	98
35) METHYLCYCLOHEXANE	7.340	83	236367	5.98 ug/L	88
37) CIS-1,3-DICHLOROPROPENE	7.643	75	140125	5.85 ug/L	97
39) 4-METHYL-2-PENTANONE	7.868	43	40776	4.53 ug/L #	92
40) TRANS-1,3-DICHLOROPROPENE	8.194	75	81939	4.71 ug/L	100
41) 1,1,2-TRICHLOROETHANE	8.329	97	63645	4.76 ug/L	97
43) TOLUENE	8.554	92	397195	4.65 ug/L	99
44) 1,3-DICHLOROPROPANE	8.625	76	120746	4.76 ug/L	99
45) CHLORODIBROMOMETHANE	8.873	129	74315	4.87 ug/L #	96
46) 2-HEXANONE	8.948	43	26989	4.74 ug/L #	89
47) 1,2-DIBROMOETHANE (EDB)	9.150	107	58439	4.89 ug/L #	97
48) TETRACHLOROETHENE	9.409	164	108791	4.49 ug/L	92
49) 1,1,1,2-TETRACHLOROETHANE	10.155	131	112756	4.89 ug/L	95
50) CHLOROBENZENE	10.237	112	392187	4.60 ug/L	97
51) ETHYLBENZENE	10.526	91	743920	4.88 ug/L	100
52) BROMOFORM	10.747	173	33145	5.01 ug/L #	98
53) M-XYLENE/P-XYLENE	10.762	106	585814	9.68 ug/L	96
54) STYRENE	11.088	104	803202	9.38 ug/L	97
55) O-XYLENE	11.159	106	588638	9.41 ug/L	97
56) ISOPROPYLBENZENE	11.534	105	659790	4.99 ug/L	99
58) 1,1,2,2-TETRACHLOROETHANE	11.144	83	70250	4.61 ug/L	97
59) 1,2,3-TRICHLOROPROPANE	11.287	75	48692	4.60 ug/L	99
61) BROMOBENZENE	11.684	156	135174	4.44 ug/L	92
62) N-PROPYLBENZENE	11.950	91	878093	4.86 ug/L	99
63) 2-CHLOROTOLUENE	11.992	91	501292	4.64 ug/L	96
64) 4-CHLOROTOLUENE	12.070	91	485263	4.52 ug/L	99
65) 1,3,5-TRIMETHYLBENZENE	12.254	105	608621	4.78 ug/L	99
66) TERT-BUTYLBENZENE	12.456	119	540139	4.99 ug/L	98
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	602205	4.76 ug/L	99
68) SEC-BUTYLBENZENE	12.648	105	840479	5.06 ug/L	98
69) 1,3-DICHLOROBENZENE	12.659	146	303888	4.50 ug/L	99
70) 1,4-DICHLOROBENZENE	12.719	146	290196	4.53 ug/L	99
71) P-ISOPROPYLTOLUENE	12.828	119	619587	4.99 ug/L	98
72) 1,2-DICHLOROBENZENE	13.000	146	237164	4.52 ug/L	99
73) N-BUTYLBENZENE	13.161	91	609961	5.22 ug/L	98
74) 1,2-DIBROMO-3-CHLOROPR...	13.379	75	8179	4.85 ug/L	92
75) 1,2,4-TRICHLOROBENZENE	14.447	180	132115	4.53 ug/L #	96
76) NAPHTHALENE	14.623	128	179596	4.48 ug/L	99
77) HEXACHLOROBUTADIENE	14.698	225	92128	4.88 ug/L #	81
78) 1,2,3-TRICHLOROBENZENE	14.769	180	115650	4.64 ug/L #	97

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : MS14.D
Acq On : 2 Feb 2012 12:50 pm
Operator : SCW OBB-AG5975
Sample : BATCH-MS1, 1201013-14, 5 PPB, 2.5 UL/100 ML,
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 02 13:22:03 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration

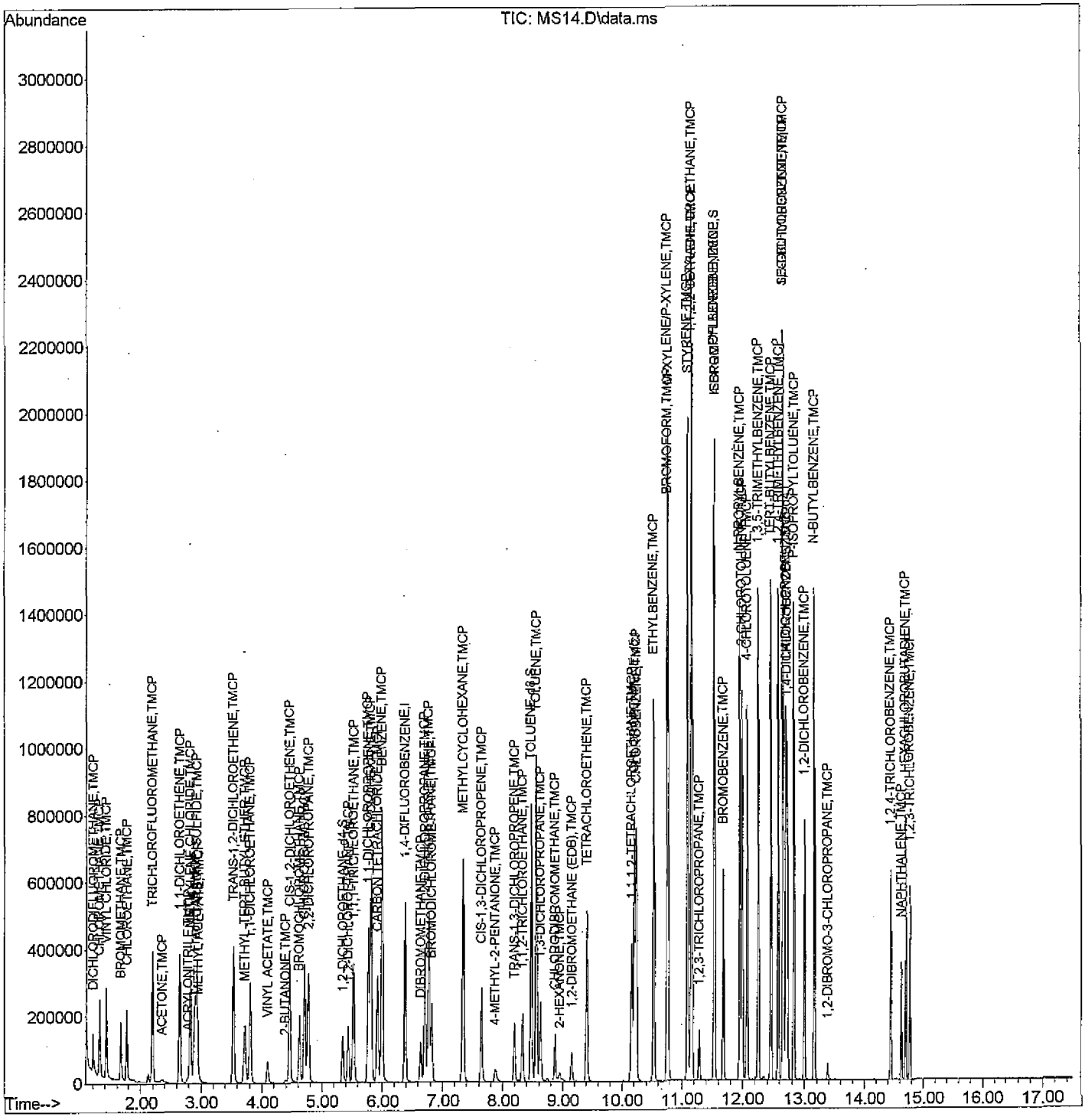
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : MS14.D
Acq On : 2 Feb 2012 12:50 pm
Operator : SCW OBB-AG5975
Sample : BATCH-MS1, 1201013-14, 5 PPB, 2.5 UL/100 ML,
Misc :
ALS Vial : 4 Sample Multiplier: 1

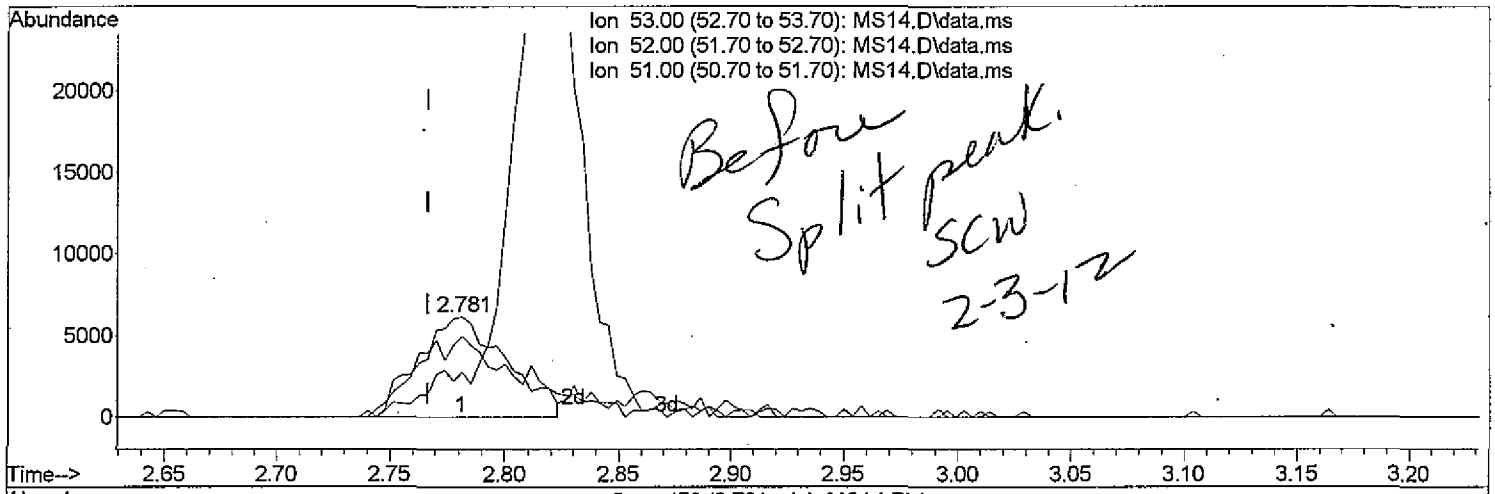
Quant Time: Feb 02 13:22:03 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration

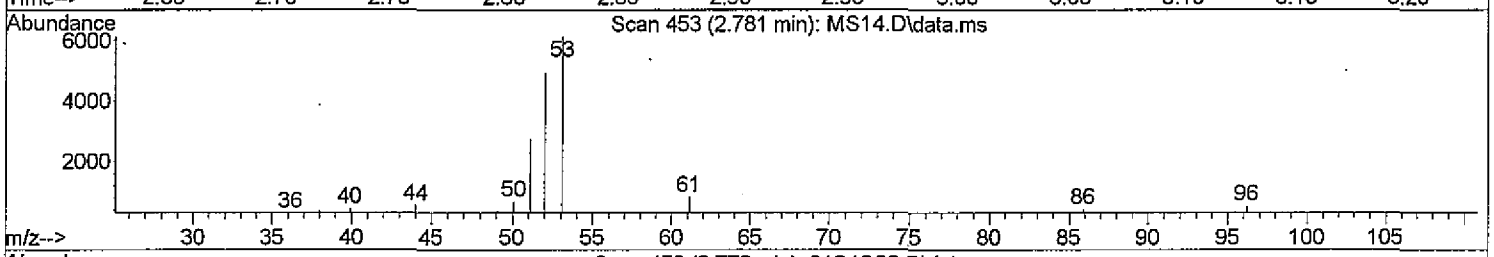


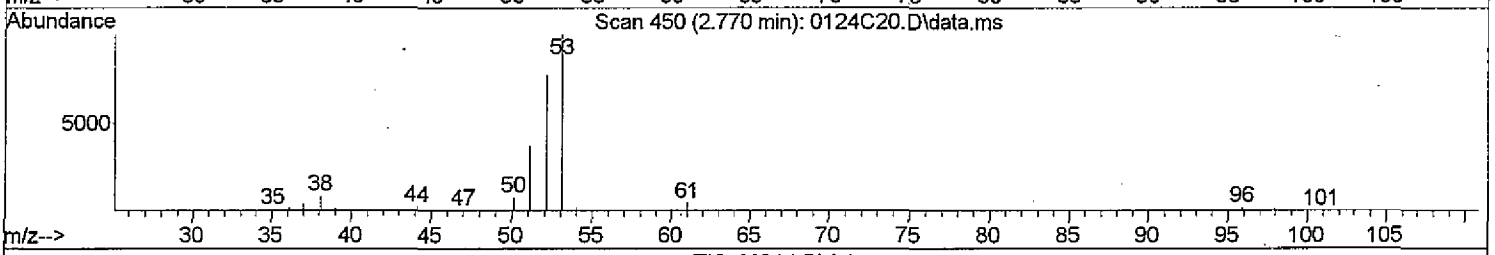
Quantitation Report (Qedit)

Data Path : D:\data\02022012\
Data File : MS14.D
Acq On : 2 Feb 2012 12:50 pm
Operator : SCW OBB-AG5975
Sample : BATCH-MS1, 1201013-14, 5 PPB, 2.5 UL/100 ML,
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 02 13:19:59 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration







TIC: MS14.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.781min (+0.015) 5.60ug/L

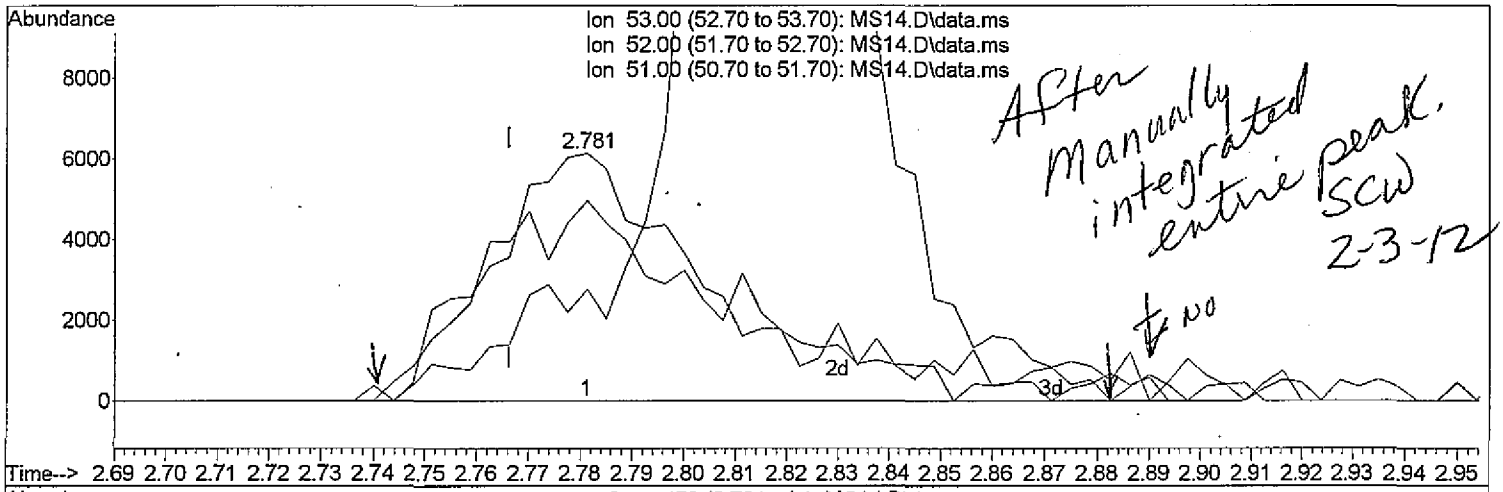
response 16165

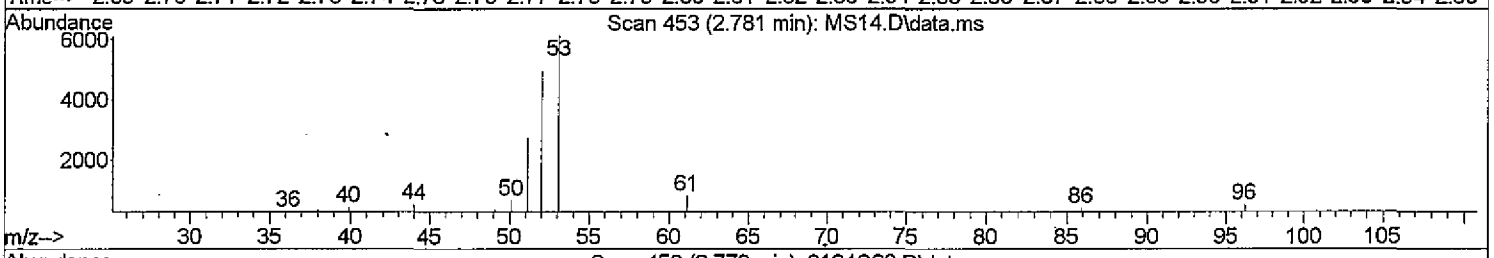
Ion	Exp%	Act%
53.00	100	100
52.00	80.00	24.68#
51.00	35.00	0.00#
0.00	0.00	0.00

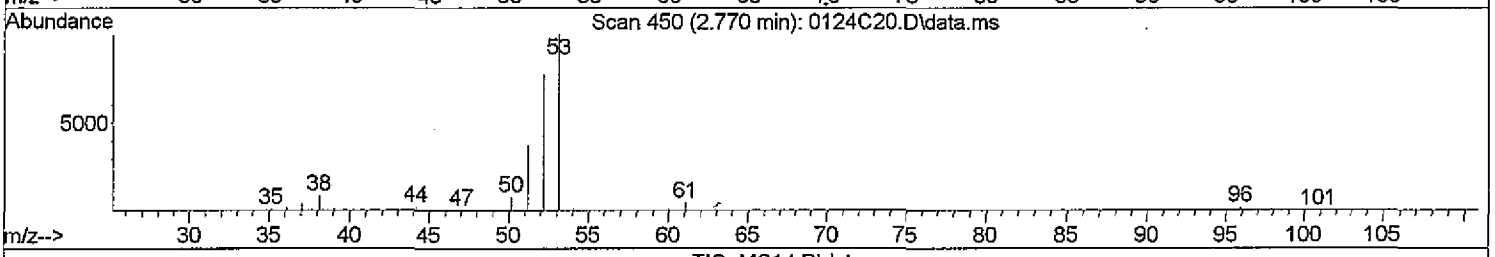
Quantitation Report (Qedit)

Data Path : D:\data\02022012\
Data File : MS14.D
Acq On : 2 Feb 2012 12:50 pm
Operator : SCW OBB-AG5975
Sample : BATCH-MS1, 1201013-14, 5 PPB, 2.5 UL/100 ML,
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 02 13:19:59 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration







TIC: MS14.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.781min (+0.015) 6.69ug/L m

response 19292

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	20.68#
51.00	35.00	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : MS33.D
Acq On : 2 Feb 2012 1:17 pm MS of sample 33
Operator : SCW OBB-AG5975
Sample : BATCH-MS2, 1201013-33, 5 PPB, 2.5 UL/100 ML,O
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 02 14:12:57 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	444100	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	437283	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	205772	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.349	65	92008	3.87 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 96.75%	
42) TOLUENE-d8	8.475	98	555628	3.53 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 88.25%	
60) 4-BROMOFLUOROBENZENE	11.531	95	198806	4.01 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 100.25%	

Target Compounds					Qvalue
2) DICHLORODIFLUOROMETHANE	1.207	85	86209	3.97 ug/L	99
3) CHLOROMETHANE	1.308	50	204194	4.51 ug/L	100
4) VINYL CHLORIDE	1.420	62	210484	5.05 ug/L	100
5) BROMOMETHANE	1.664	94	80274	4.54 ug/L	99
6) CHLOROETHANE	1.773	64	142777	5.33 ug/L	96
7) TRICHLOROFLUOROMETHANE	2.189	101	219993	4.20 ug/L	98
8) ACETONE	2.324	43	21632	5.70 ug/L #	89
9) 1,1-DICHLOROETHENE	2.646	96	135746	5.66 ug/L	95
10) ACRYLONITRILE	2.766	53	20642m	6.78 ug/L	
11) METHYLENE CHLORIDE	2.819	84	129170	5.70 ug/L #	75
12) Freon 113	2.894	101	122942	5.47 ug/L	89
13) CARBON DISULFIDE	2.931	76	450598	5.50 ug/L	99
14) METHYL ACETATE	2.935	43	38952	6.18 ug/L	95
15) TRANS-1,2-DICHLOROETHENE	3.535	96	160563	5.75 ug/L	95
16) METHYL-TERT-BUTYL ETHER	3.711	73	164484	5.81 ug/L #	92
17) 1,1-DICHLOROETHANE	3.808	63	311516	6.02 ug/L	97
18) VINYL ACETATE	4.089	43	109544	5.56 ug/L	97
19) 2-BUTANONE	4.378	43	25290m	7.24 ug/L	
20) CIS-1,2-DICHLOROETHENE	4.461	96	167925	5.93 ug/L	98
21) BROMOCHLOROMETHANE	4.622	128	52323	5.92 ug/L #	73
22) CHLOROFORM	4.704	83	260229	5.87 ug/L	100
23) 2,2-DICHLOROPROPANE	4.772	77	144774	5.28 ug/L	97
25) 1,2-DICHLOROETHANE	5.431	62	126834	5.94 ug/L	98
26) 1,1,1-TRICHLOROETHANE	5.525	97	230507	6.03 ug/L #	94
27) 1,1-DICHLOROPROPENE	5.765	75	210113	6.00 ug/L	97
28) CYCLOHEXANE	5.814	56	315259	5.93 ug/L #	83
29) CARBON TETRACHLORIDE	5.926	117	196667	6.26 ug/L	100
30) BENZENE	5.998	78	664649	5.86 ug/L	98
31) DIBROMOMETHANE	6.642	93	45601	5.65 ug/L #	85
32) 1,2-DICHLOROPROPANE	6.710	63	146759	5.78 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : MS33.D
Acq On : 2 Feb 2012 1:17 pm
Operator : SCW OBB-AG5975
Sample : BATCH-MS2, 1201013-33, 5 PPB, 2.5 UL/100 ML,O
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 02 14:12:57 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
33) TRICHLOROETHENE	6.770	130	176028	5.94 ug/L	98
34) BROMODICHLOROMETHANE	6.819	83	155566	6.18 ug/L	99
35) METHYLCYCLOHEXANE	7.340	83	233322	5.59 ug/L	88
37) CIS-1,3-DICHLOROPROPENE	7.643	75	147664	5.84 ug/L	99
39) 4-METHYL-2-PENTANONE	7.868	43	47893	5.13 ug/L #	96
40) TRANS-1,3-DICHLOROPROPENE	8.194	75	87286	4.84 ug/L	98
41) 1,1,2-TRICHLOROETHANE	8.325	97	68241	4.92 ug/L	97
43) TOLUENE	8.554	92	426563	4.81 ug/L	99
44) 1,3-DICHLOROPROPANE	8.629	76	128523	4.88 ug/L	99
45) CHLORODIBROMOMETHANE	8.873	129	78375	4.95 ug/L #	99
46) 2-HEXANONE	8.955	43	29570	5.01 ug/L #	88
47) 1,2-DIBROMOETHANE (EDB)	9.154	107	60674	4.89 ug/L #	98
48) TETRACHLOROETHENE	9.405	164	128607	5.12 ug/L	97
49) 1,1,1,2-TETRACHLOROETHANE	10.159	131	123775	5.18 ug/L	95
50) CHLOROBENZENE	10.237	112	426748	4.82 ug/L	98
51) ETHYLBENZENE	10.526	91	815522	5.15 ug/L	99
52) BROMOFORM	10.747	173	36166	5.27 ug/L #	99
53) M-XYLENE/P-XYLENE	10.766	106	634921	10.11 ug/L	98
54) STYRENE	11.092	104	897493	10.10 ug/L	97
55) O-XYLENE	11.159	106	634161	9.77 ug/L	98
56) ISOPROPYLBENZENE	11.534	105	724916	5.28 ug/L	99
58) 1,1,2,2-TETRACHLOROETHANE	11.144	83	73750	4.66 ug/L #	97
59) 1,2,3-TRICHLOROPROPANE	11.279	75	50905	4.63 ug/L	98
61) BROMOBENZENE	11.684	156	146674	4.64 ug/L	92
62) N-PROPYLBENZENE	11.950	91	972520	5.18 ug/L	98
63) 2-CHLOROTOLUENE	11.992	91	542097	4.83 ug/L	96
64) 4-CHLOROTOLUENE	12.070	91	537372	4.82 ug/L	98
65) 1,3,5-TRIMETHYLBENZENE	12.254	105	676381	5.11 ug/L	99
66) TERT-BUTYLBENZENE	12.456	119	596782	5.31 ug/L	99
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	664716	5.06 ug/L	99
68) SEC-BUTYLBENZENE	12.648	105	928526	5.38 ug/L	99
69) 1,3-DICHLOROBENZENE	12.659	146	330436	4.71 ug/L	99
70) 1,4-DICHLOROBENZENE	12.723	146	317151	4.76 ug/L	99
71) P-ISOPROPYLTOLUENE	12.828	119	680007	5.27 ug/L	98
72) 1,2-DICHLOROBENZENE	13.000	146	259147	4.76 ug/L	100
73) N-BUTYLBENZENE	13.157	91	668250	5.50 ug/L	98
74) 1,2-DIBROMO-3-CHLOROPR...	13.386	75	9119	5.20 ug/L #	81
75) 1,2,4-TRICHLOROBENZENE	14.447	180	148653	4.91 ug/L #	95
76) NAPHTHALENE	14.623	128	192058	4.61 ug/L	100
77) HEXACHLOROBUTADIENE	14.698	225	102337	5.22 ug/L #	84
78) 1,2,3-TRICHLOROBENZENE	14.769	180	122249	4.72 ug/L #	97

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : MS33.D
Acq On : 2 Feb 2012 1:17 pm
Operator : SCW OBB-AG5975
Sample : BATCH-MS2, 1201013-33, 5 PPB, 2.5 UL/100 ML,O
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 02 14:12:57 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration

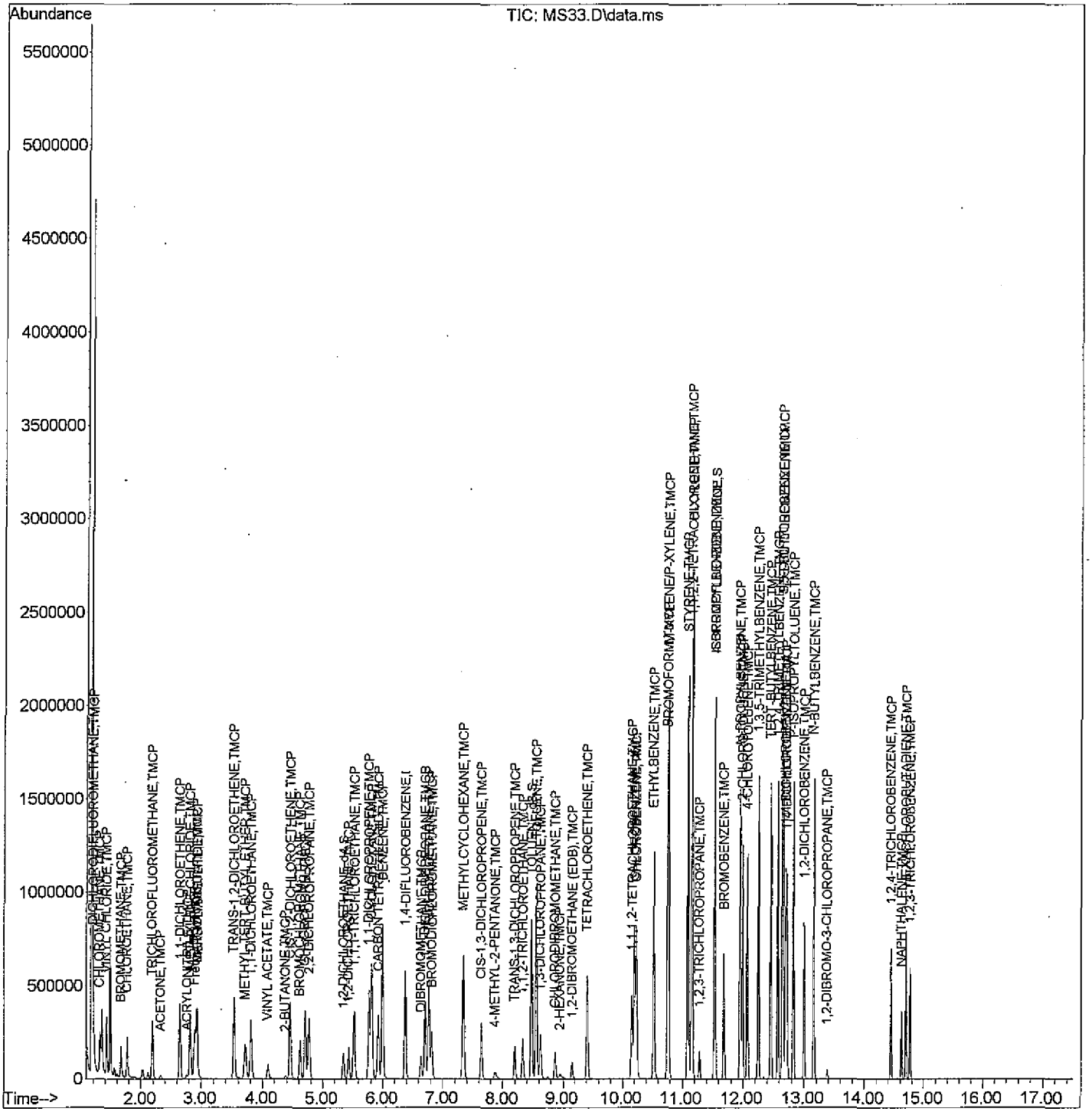
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : MS33.D
Acq On : 2 Feb 2012 1:17 pm
Operator : SCW OBB-AG5975
Sample : BATCH-MS2, 1201013-33, 5 PPB, 2.5 UL/100 ML,O
Misc :
ALS Vial : 5 Sample Multiplier: 1

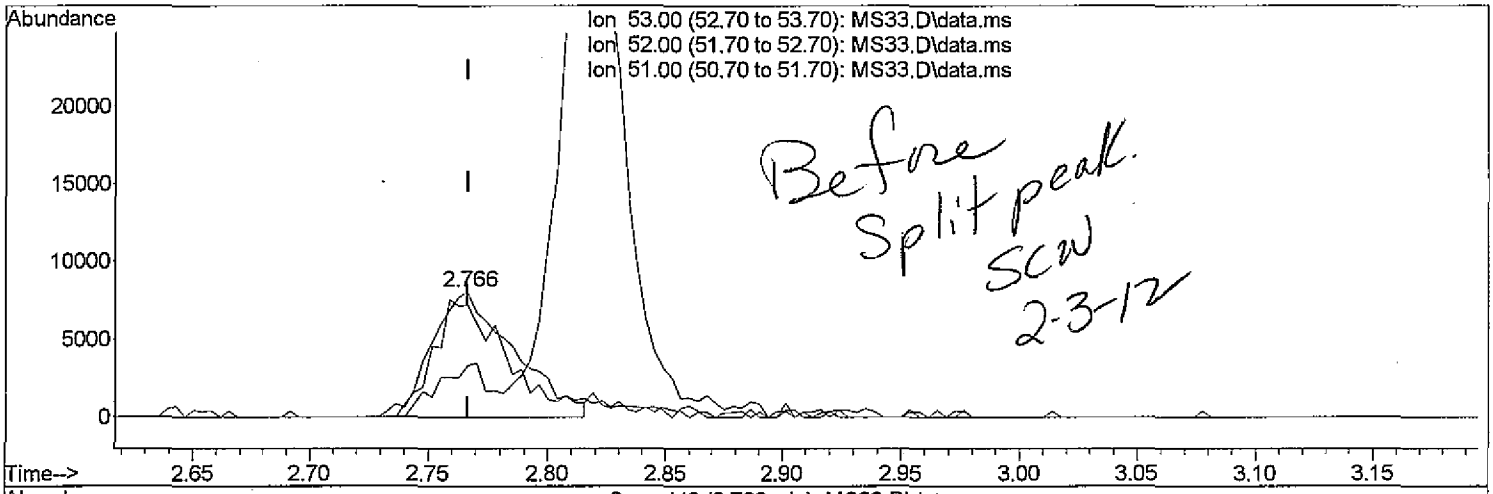
Quant Time: Feb 02 14:12:57 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration

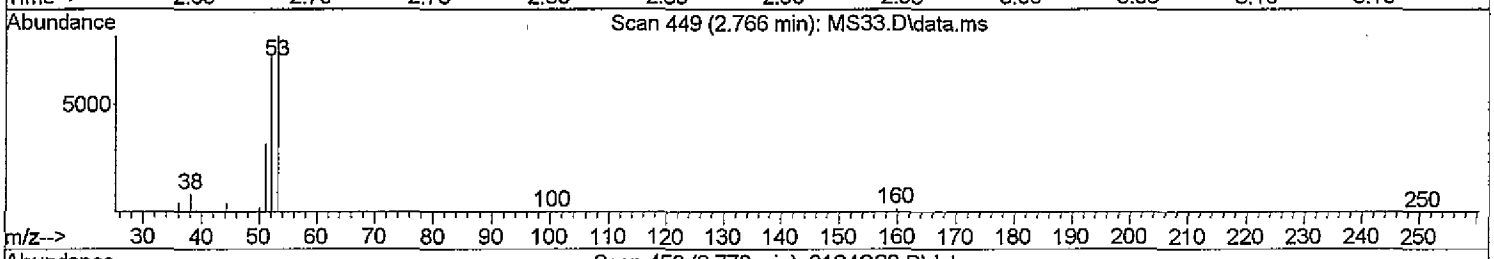


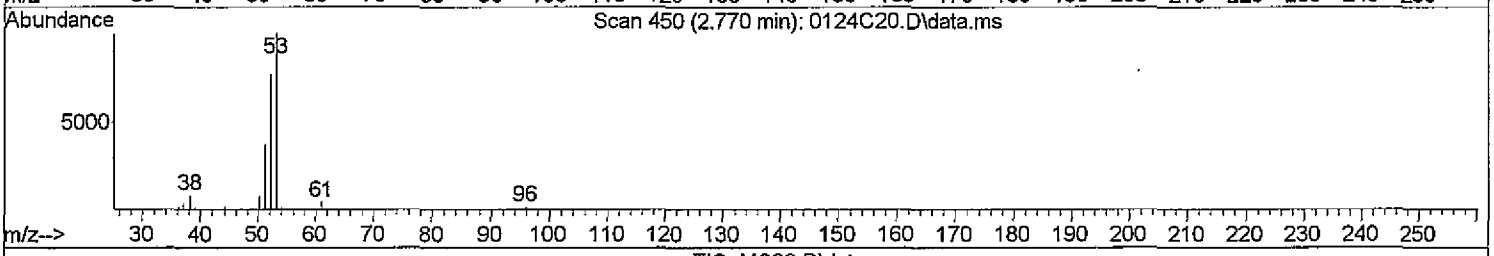
Quantitation Report (Qedit)

Data Path : D:\data\02022012\
Data File : MS33.D
Acq On : 2 Feb 2012 1:17 pm
Operator : SCW OBB-AG5975
Sample : BATCH-MS2, 1201013-33, 5 PPB, 2.5 UL/100 ML,O
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 02 14:05:22 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration







TIC: MS33.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.766min (+0.000) 6.29ug/L

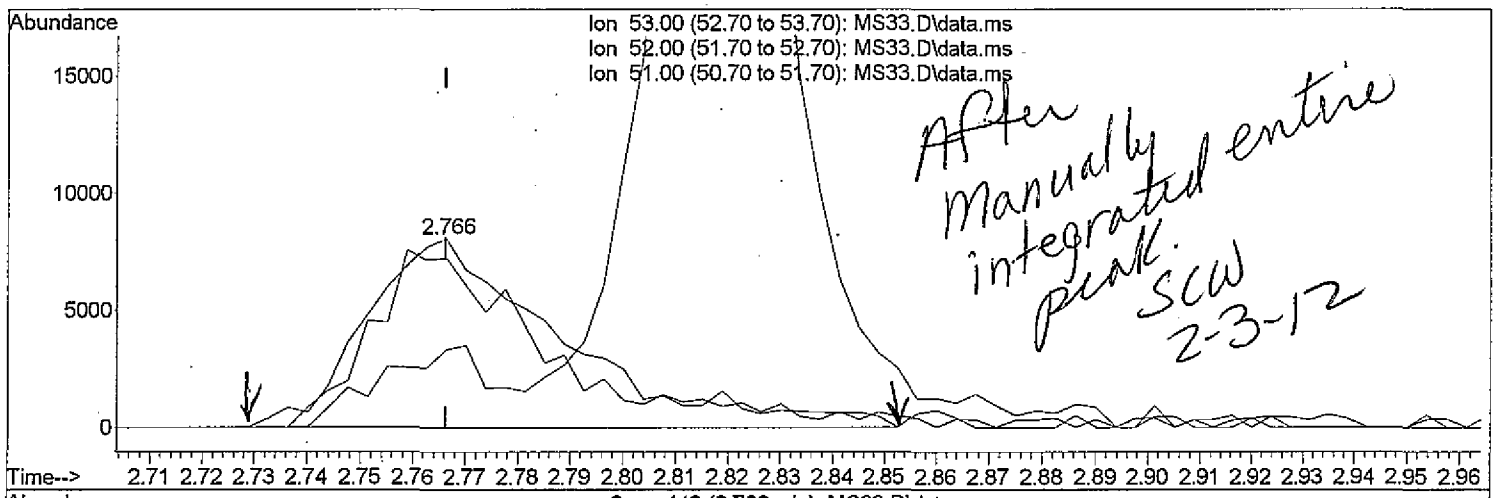
response 19149

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	79.88
51.00	35.00	27.15#
0.00	0.00	0.00

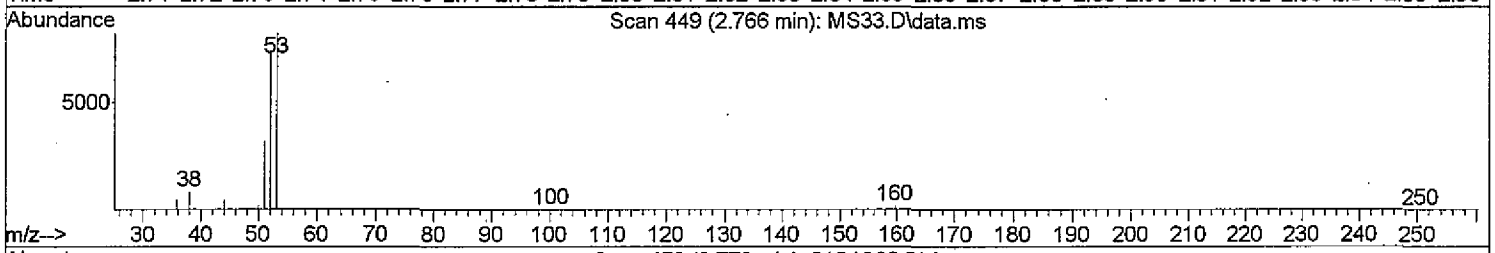
Quantitation Report (Qedit)

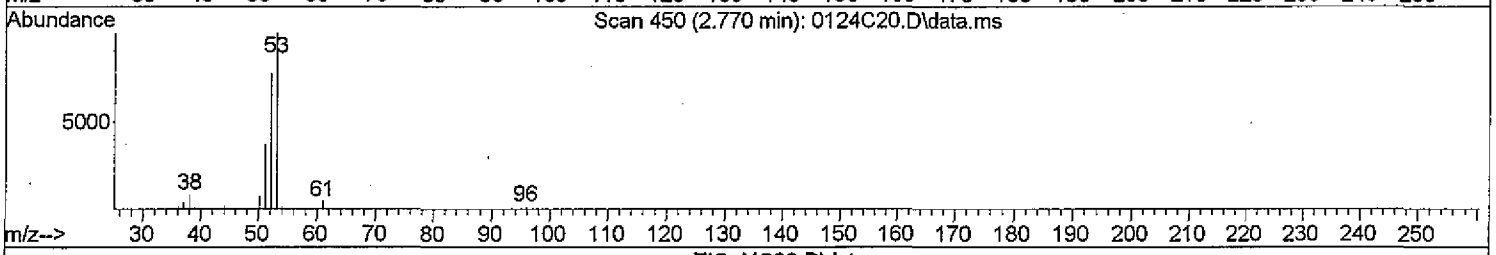
Data Path : D:\data\02022012\
Data File : MS33.D
Acq On : 2 Feb 2012 1:17 pm
Operator : SCW OBB-AG5975
Sample : BATCH-MS2, 1201013-33, 5 PPB, 2.5 UL/100 ML,O
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 02 14:05:22 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration



After manually integrated entire peak. SCW 2-3-12





TIC: MS33.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.766min (+0.000) 6.78ug/L m

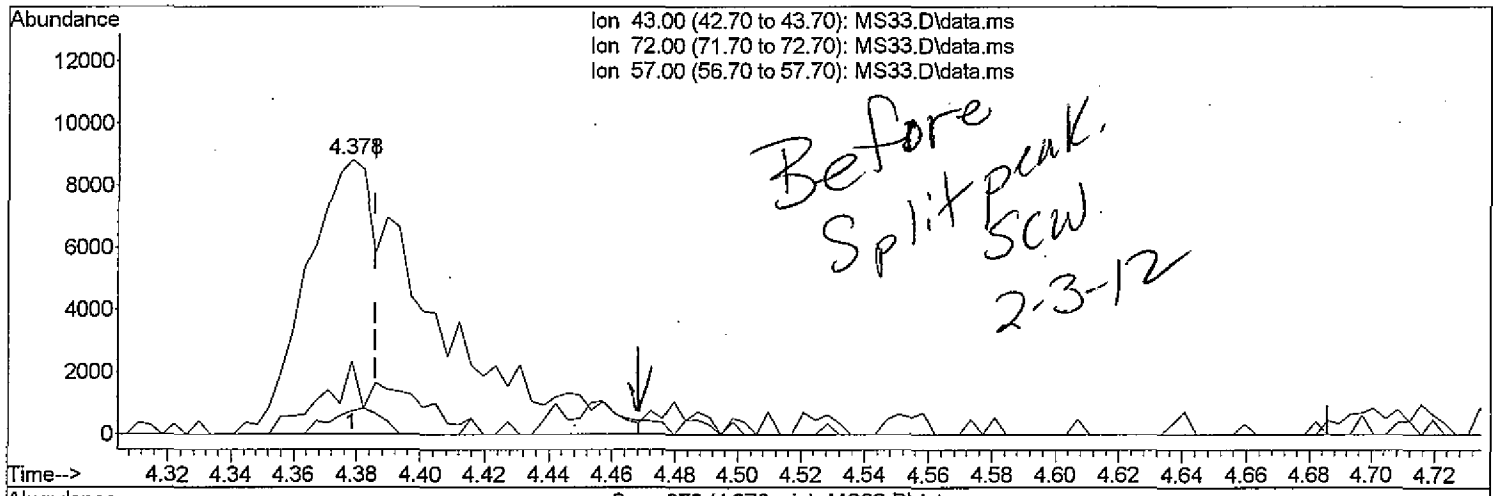
response 20642

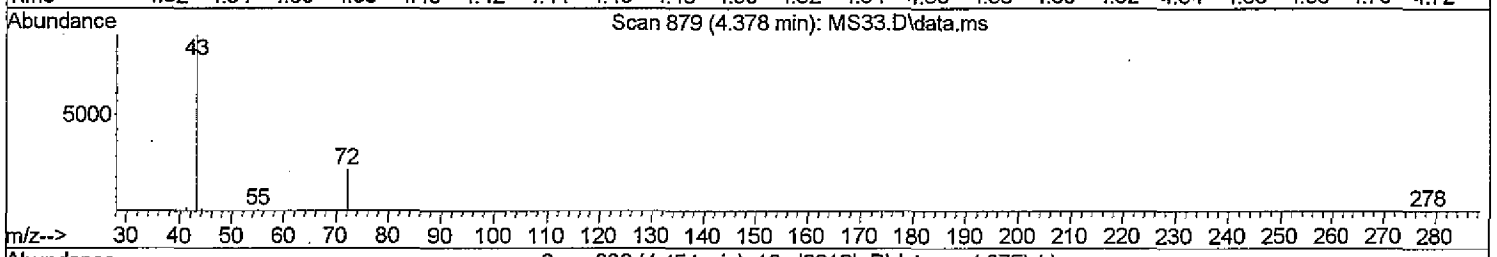
Ion	Exp%	Act%
53.00	100	100
52.00	80.00	74.11
51.00	35.00	25.19#
0.00	0.00	0.00

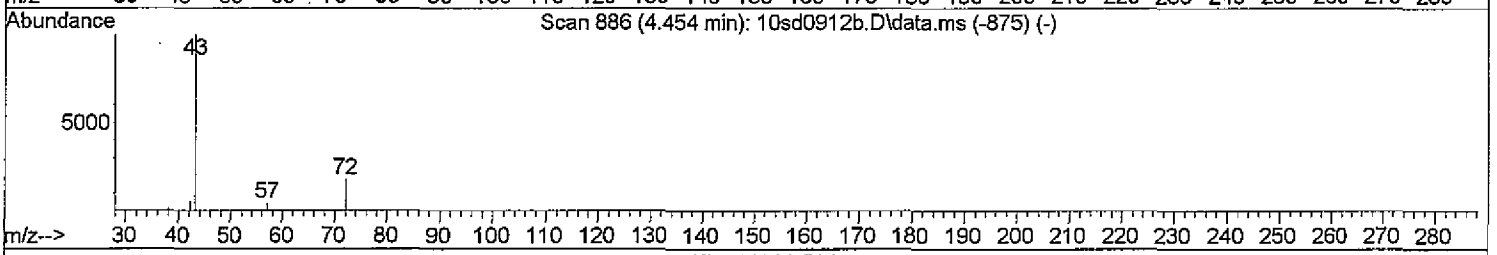
Quantitation Report (Qedit)

Data Path : D:\data\02022012\
Data File : MS33.D
Acq On : 2 Feb 2012 1:17 pm
Operator : SCW OBB-AG5975
Sample : BATCH-MS2, 1201013-33, 5 PPB, 2.5 UL/100 ML,O
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 02 14:05:22 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration







TIC: MS33.D\data.ms

(19) 2-BUTANONE (TMCP)

4.378min (-0.007) 6.98ug/L

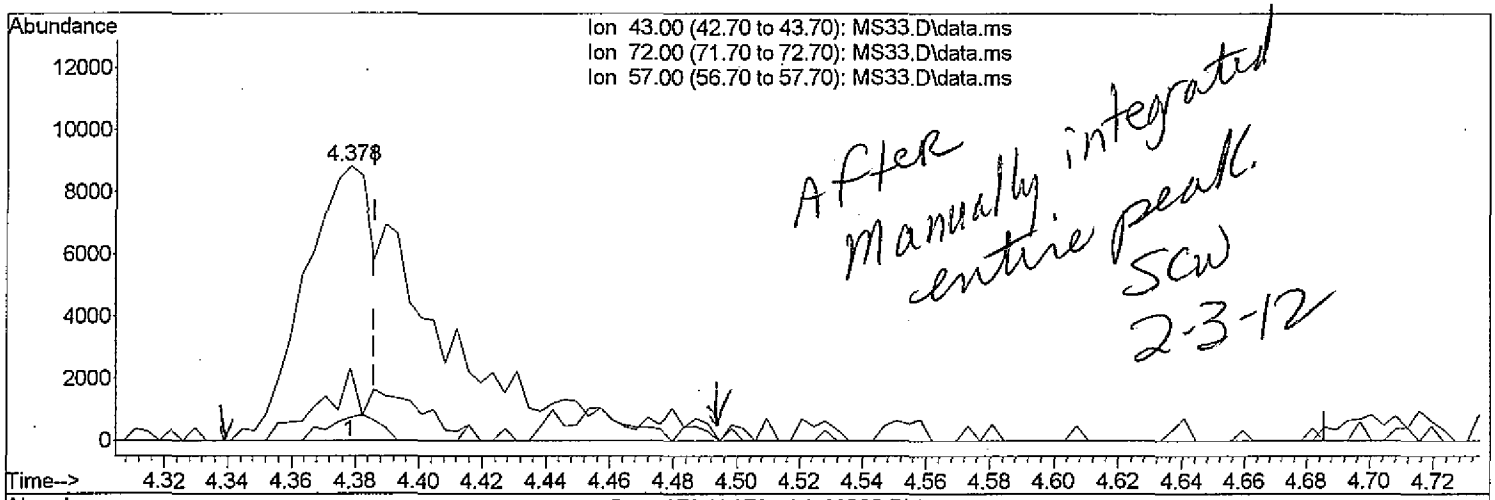
response 24380

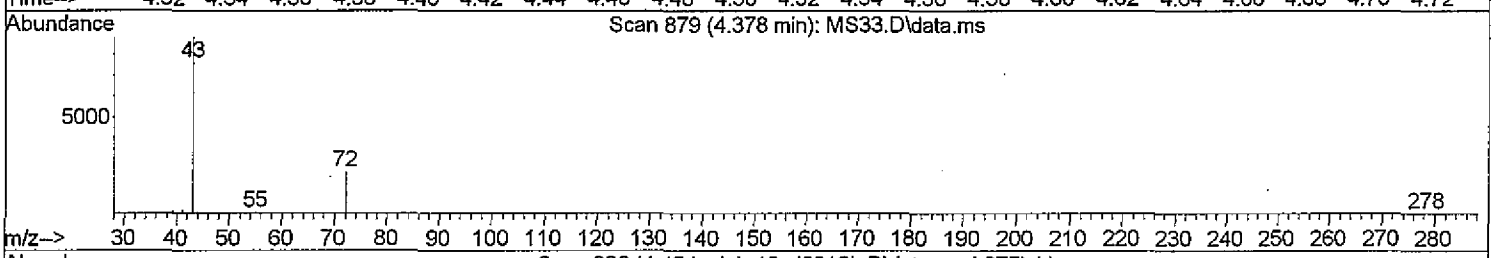
Ion	Exp%	Act%
43.00	100	100
72.00	18.60	15.91
57.00	7.60	3.72#
0.00	0.00	0.00

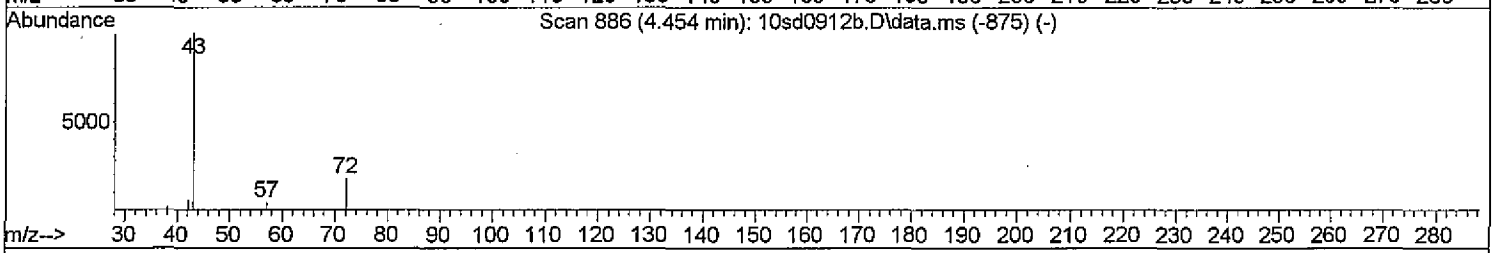
Quantitation Report (Qedit)

Data Path : D:\data\02022012\
Data File : MS33.D
Acq On : 2 Feb 2012 1:17 pm
Operator : SCW OBB-AG5975
Sample : BATCH-MS2, 1201013-33, 5 PPB, 2.5 UL/100 ML,O
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 02 14:05:22 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration







TIC: MS33.D\data.ms

(19) 2-BUTANONE (TMCP)

4.378min (-0.007) 7.24ug/L m

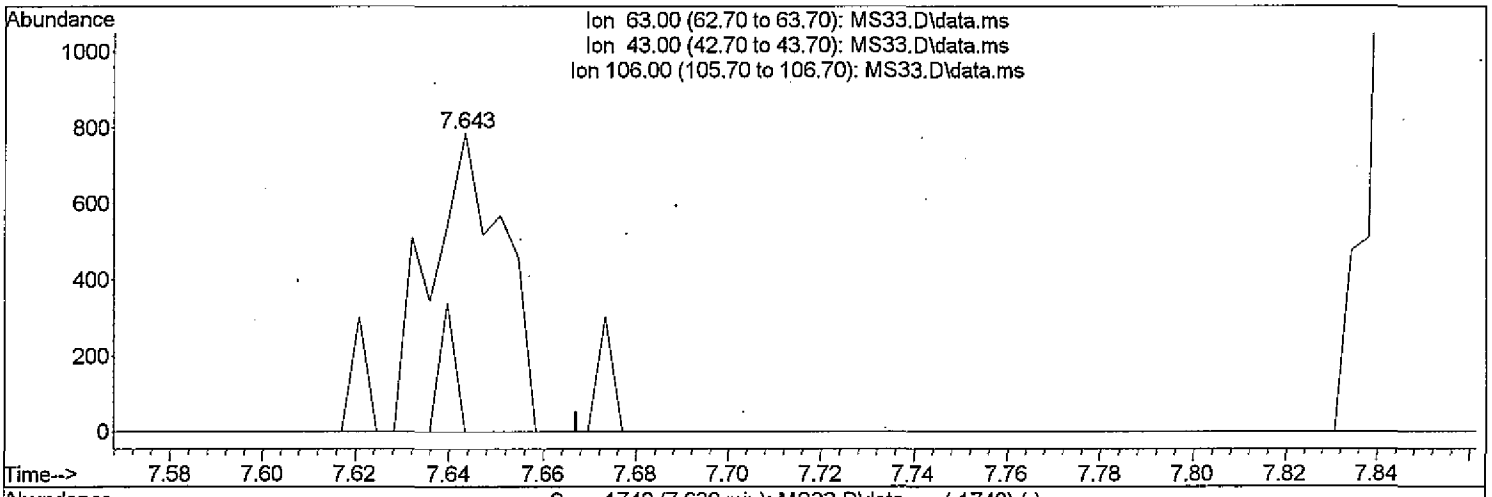
response 25290

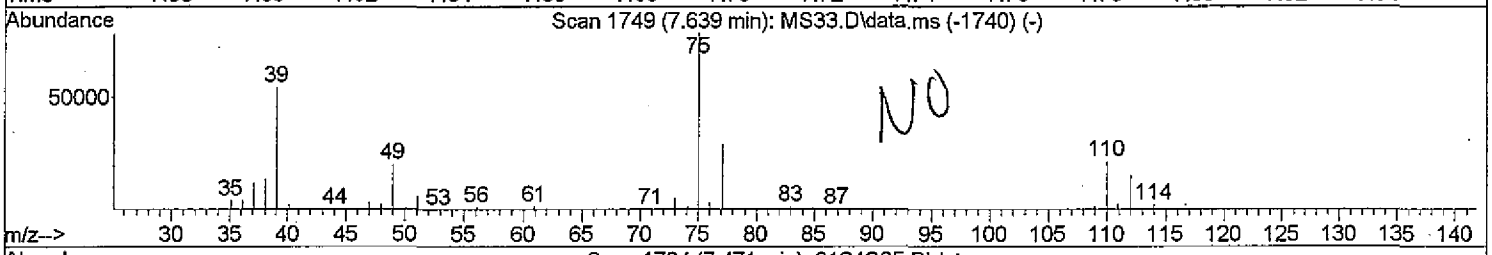
Ion	Exp%	Act%
43.00	100	100
72.00	18.60	15.33
57.00	7.60	3.59#
0.00	0.00	0.00

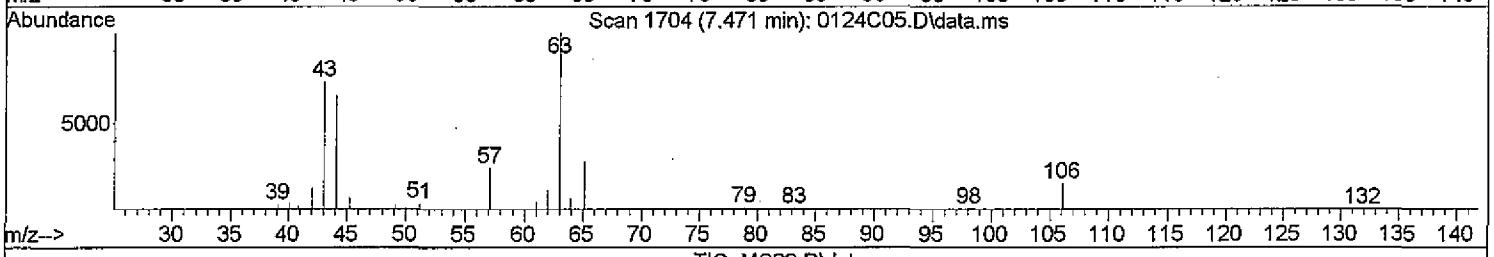
Quantitation Report (Qedit)

Data Path : D:\data\02022012\
Data File : MS33.D
Acq On : 2 Feb 2012 1:17 pm
Operator : SCW OBB-AG5975
Sample : BATCH-MS2, 1201013-33, 5 PPB, 2.5 UL/100 ML,O
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 02 14:05:22 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration







TIC: MS33.D\data.ms

(36) 2-CHLOROETHYLVINYL ETHER (TMCP)

7.643min (+0.176) 0.27ug/L

response 840

Ion	Exp%	Act%
63.00	100	100
43.00	73.00	0.00#
106.00	30.00	0.00#
0.00	0.00	0.00

Path : D:\data\01242012\
Data File : 0124LCS.D
Acq On : 24 Jan 2012 7:56 pm
Operator : SCW OBB-AG5975
Sample : Batch-BS1, 5 ppb, 2.5 uL/100 mL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Applies to both BA 23104-BS1 & BB 20301-BS1 Second Source SCW 2-16-1

Quant Time: Jan 25 10:29:49 2012 ✓
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 10:20:53 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	585509	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	477940	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	207931	4.00 ug/L	0.00

System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	124535	3.97 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 99.25%		
42) TOLUENE-d8	8.471	98	660407	3.84 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 96.00%		
60) 4-BROMOFLUOROBENZENE	11.530	95	203653	4.07 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 101.75%		

Target Compounds					Qvalue
2) DICHLORODIFLUOROMETHANE	1.203	85	257933	9.01 ug/L A	99
3) CHLOROMETHANE	1.308	50	409817	6.87 ug/L A	100
4) VINYL CHLORIDE	1.420	62	336738	6.13 ug/L KA	97
5) BROMOMETHANE	1.664	94	145870	6.26 ug/L A	98
6) CHLOROETHANE	1.769	64	201948	5.72 ug/L	97
7) TRICHLOROFLUOROMETHANE	2.189	101	374083	5.42 ug/L	100
8) ACETONE	2.342	43	6554m	1.31 ug/L J	
9) 1,1-DICHLOROETHENE	2.650	96	162128	5.12 ug/L ✓ 102%	98
10) ACRYLONITRILE	2.777	53	20101m	5.11 ug/L	
11) METHYLENE CHLORIDE	2.818	84	144836	4.84 ug/L #	81
15) TRANS-1,2-DICHLOROETHENE	3.535	96	184984	5.03 ug/L	97
17) 1,1-DICHLOROETHANE	3.808	63	345511	5.06 ug/L	97
20) CIS-1,2-DICHLOROETHENE	4.457	96	174080	4.66 ug/L	99
21) BROMOCHLOROMETHANE	4.622	128	57407	4.93 ug/L #	76
22) CHLOROFORM	4.708	83	293836	5.03 ug/L	98
23) 2,2-DICHLOROPROPANE	4.768	77	164097	4.54 ug/L	98
25) 1,2-DICHLOROETHANE	5.435	62	134612	4.78 ug/L	98
26) 1,1,1-TRICHLOROETHANE	5.521	97	250611	4.97 ug/L	94
27) 1,1-DICHLOROPROPENE	5.769	75	226506	4.90 ug/L	97
29) CARBON TETRACHLORIDE	5.926	117	209783	5.06 ug/L	98
30) BENZENE	5.997	78	718603	4.81 ug/L	99
31) DIBROMOMETHANE	6.638	93	49907	4.69 ug/L	86
32) 1,2-DICHLOROPROPANE	6.710	63	163464	4.88 ug/L	98
33) TRICHLOROETHENE	6.773	130	196734	5.03 ug/L ✓	99
34) BROMODICHLOROMETHANE * see below	6.818	83	165019	4.97 ug/L	99
37) CIS-1,3-DICHLOROPROPENE	7.643	75	155868	4.68 ug/L	100
40) TRANS-1,3-DICHLOROPROPENE	8.194	75	99612	5.05 ug/L	96
41) 1,1,2-TRICHLOROETHANE	8.329	97	71000	4.68 ug/L	99
43) TOLUENE	8.554	92	458105	4.73 ug/L	98
44) 1,3-DICHLOROPROPANE	8.629	76	131238	4.56 ug/L	99

01242012B.M Wed Jan 25 10:31:19 2012 RPT1 * From 50 curve! Page: 1

$\frac{165019}{585509} \times \frac{4}{.233} = 4.84$

Quantitation Report (QT Reviewed)

Path : D:\data\01242012\
Data File : 0124LCS.D
Acq On : 24 Jan 2012 7:56 pm
Operator : SCW OBB-AG5975
Sample : Batch-BS1, 5 ppb, 2.5 uL/100 mL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 25 10:29:49 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 10:20:53 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) CHLORODIBROMOMETHANE	8.869	129	80882	4.67 ug/L #	99
47) 1,2-DIBROMOETHANE (EDB)	9.154	107	61281	4.52 ug/L #	99
48) TETRACHLOROETHENE	9.405	164	147501	5.37 ug/L	96
49) 1,1,1,2-TETRACHLOROETHANE	10.158	131	126669	4.85 ug/L	95
50) CHLOROBENZENE	10.237	112	470424	4.86 ug/L	97
51) ETHYLBENZENE	10.526	91	894160	5.17 ug/L	99
52) BROMOFORM * see below	10.743	173	35891	4.78 ug/L	98
53) M-XYLENE/P-XYLENE	10.762	106	703202	10.24 ug/L	95
54) STYRENE	11.088	104	455170	4.69 ug/L	97
55) O-XYLENE	11.159	106	329849	4.65 ug/L	96
56) ISOPROPYLBENZENE	11.534	105	908200	6.05 ug/L A	98
58) 1,1,2,2-TETRACHLOROETHANE	11.144	83	70155	4.39 ug/L	97
59) 1,2,3-TRICHLOROPROPANE	11.283	75	48100	4.33 ug/L	96
61) BROMOBENZENE	11.684	156	156647	4.91 ug/L	92
62) N-PROPYLBENZENE	11.950	91	1079552	5.69 ug/L	99
63) 2-CHLOROTOLUENE	11.991	91	579947	5.11 ug/L	97
64) 4-CHLOROTOLUENE	12.070	91	592186	5.26 ug/L	97
65) 1,3,5-TRIMETHYLBENZENE	12.254	105	719121	5.38 ug/L	99
66) TERT-BUTYLBENZENE	12.456	119	653235	5.75 ug/L	99
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	724790	5.46 ug/L	99
68) SEC-BUTYLBENZENE	12.647	105	1008991	5.79 ug/L	99
69) 1,3-DICHLOROBENZENE	12.659	146	369176	5.21 ug/L	99
70) 1,4-DICHLOROBENZENE	12.719	146	351028	5.22 ug/L	98
71) P-ISOPROPYLTOLUENE	12.827	119	804412	6.17 ug/L A	97
72) 1,2-DICHLOROBENZENE	13.004	146	284153	5.16 ug/L	100
73) N-BUTYLBENZENE	13.161	91	735884	6.00 ug/L OK	98
74) 1,2-DIBROMO-3-CHLOROPR...	13.386	75	8025	4.53 ug/L	90
75) 1,2,4-TRICHLOROBENZENE	14.447	180	173142	5.66 ug/L #	94
76) NAPHTHALENE	14.623	128	213956	5.08 ug/L	99
77) HEXACHLOROBUTADIENE	14.698	225	120462	6.09 ug/L # A	84
78) 1,2,3-TRICHLOROBENZENE	14.769	180	139518	5.34 ug/L #	97

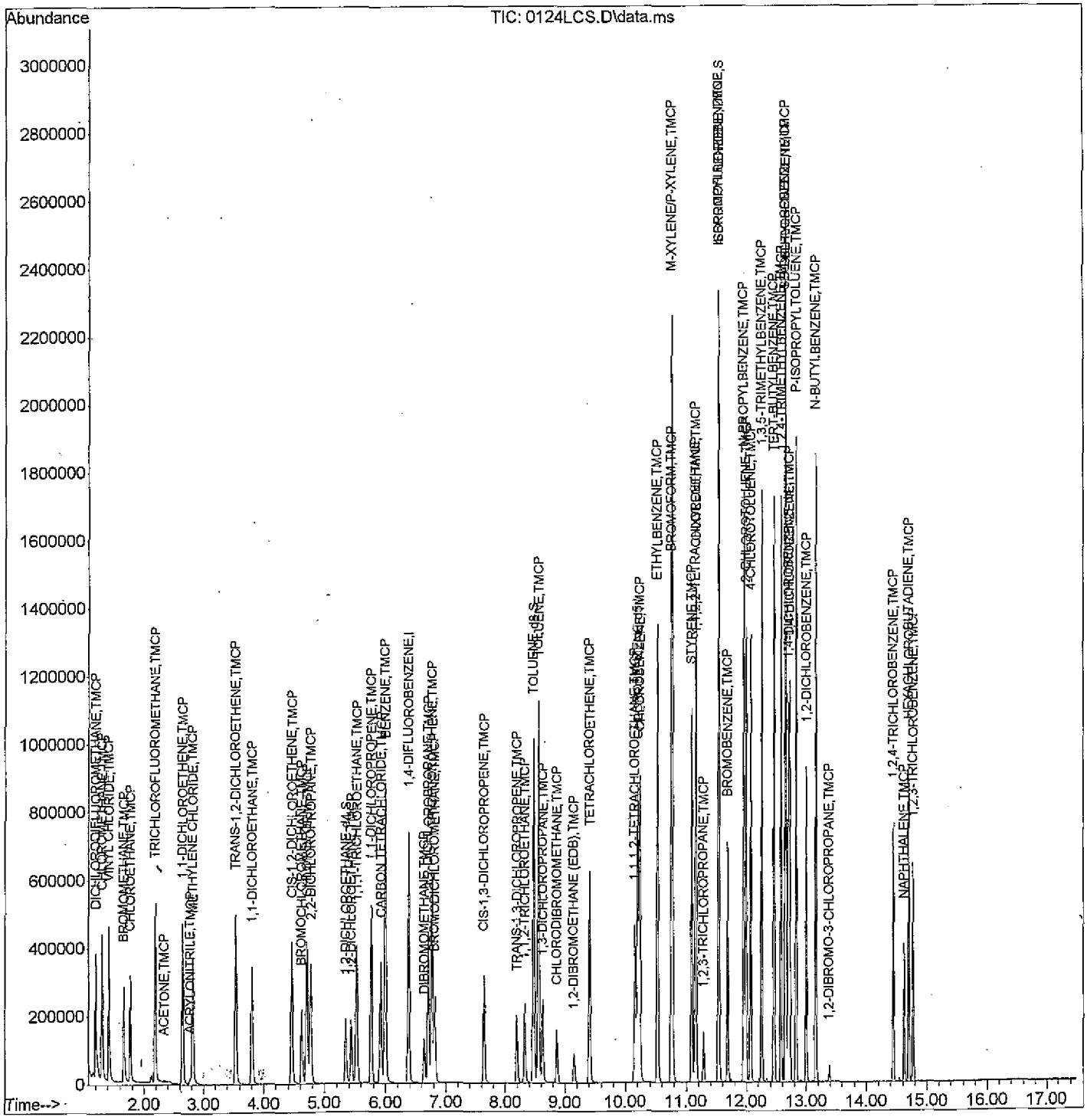
(#) = qualifier out of range (m) = manual integration (+) = signals summed

vs 50 curve: * $\frac{35891}{477940} \times \frac{4}{0.068} = 4.42$

Quantitation Report (QT Reviewed)

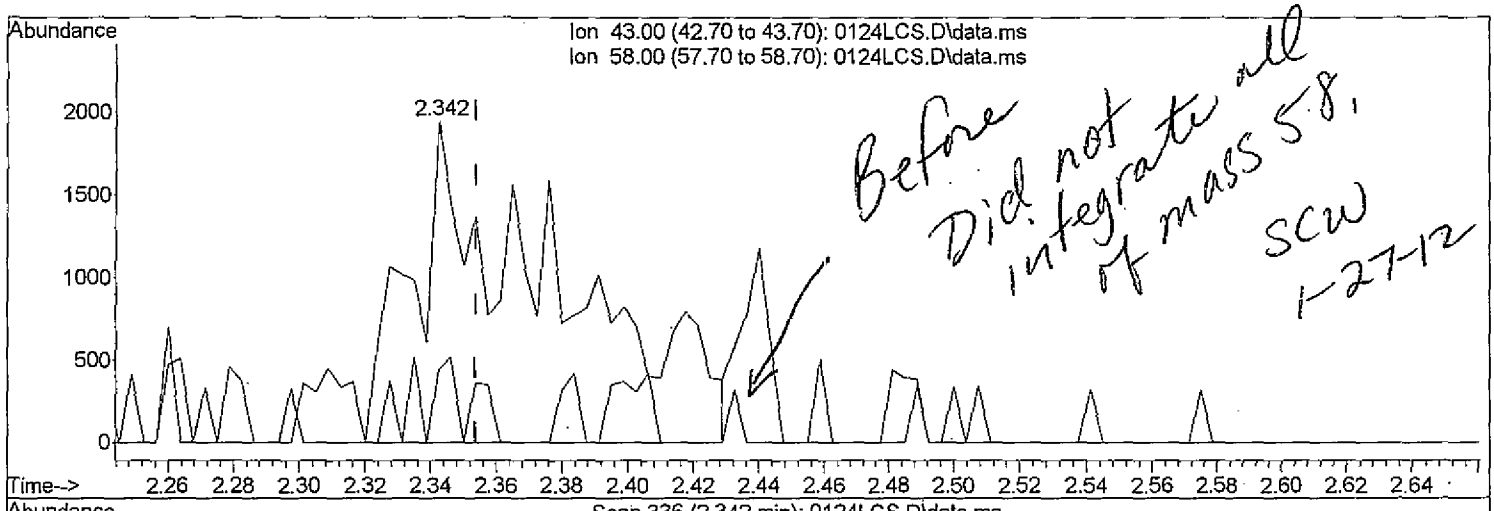
Path : D:\data\01242012\
Data File : 0124LCS.D
Acq On : 24 Jan 2012 7:56 pm
Operator : SCW OBB-AG5975
Sample : Batch-BS1, 5 ppb, 2.5 uL/100 mL
Misc :
ALS Vial : 11 Sample Multiplier: 1

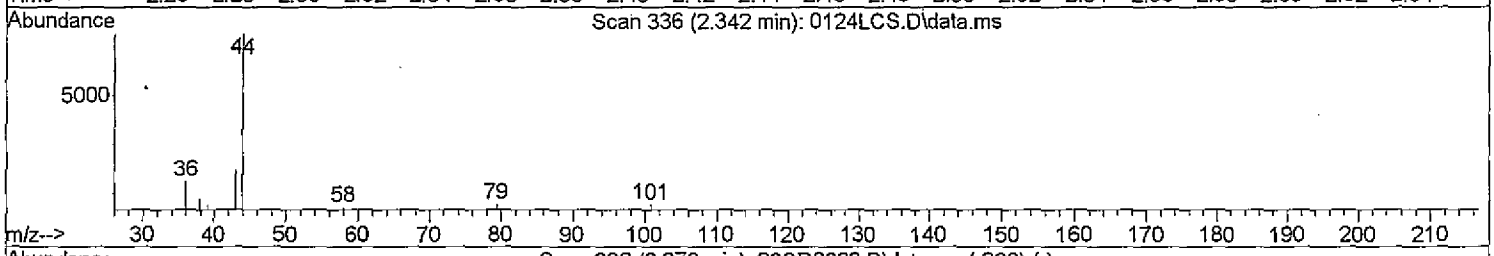
Quant Time: Jan 25 10:29:49 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 10:20:53 2012
Response via : Initial Calibration

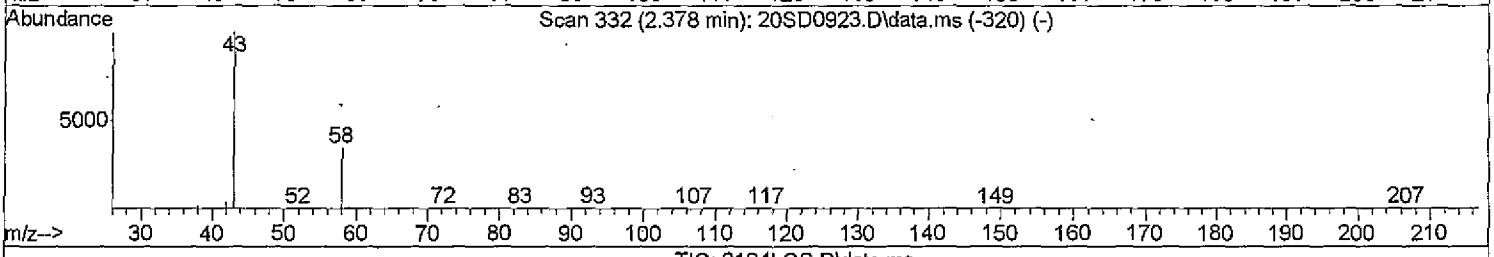


Data Path : D:\data\01242012\
Data File : 0124LCS.D
Acq On : 24 Jan 2012 7:56 pm
Operator : SCW OBB-AG5975
Sample : Batch-BS1, 5 ppb, 2.5 uL/100 mL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 25 10:26:51 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 10:20:53 2012
Response via : Initial Calibration







TIC: 0124LCS.D\data.ms

(8) ACETONE (TMCP)

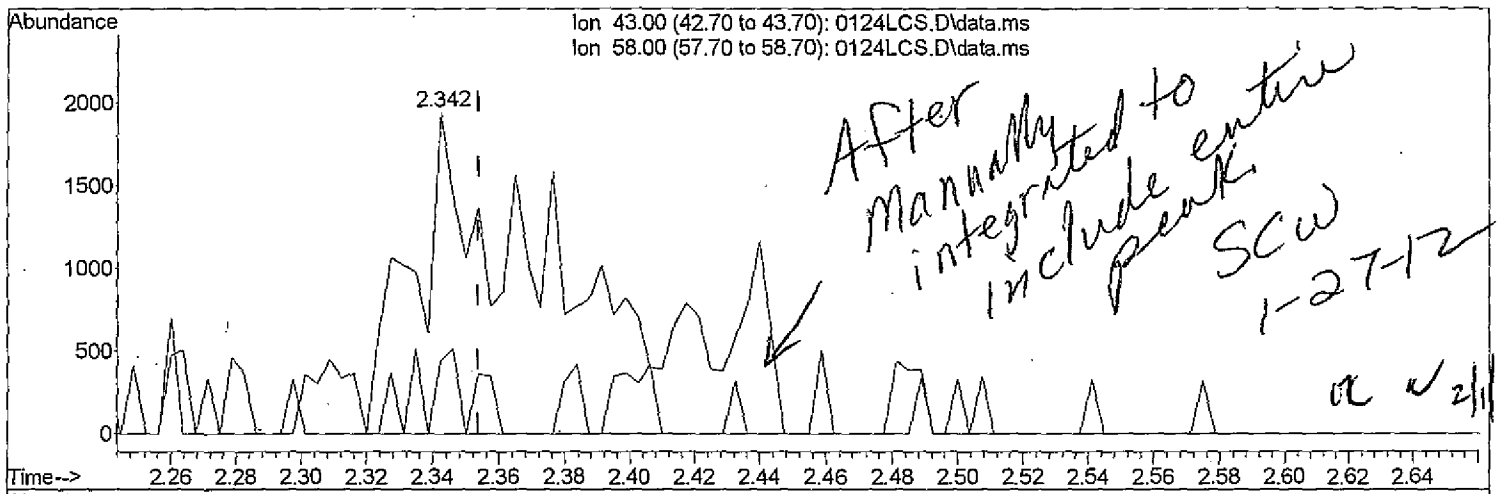
2.342min (-0.011) 1.17ug/L

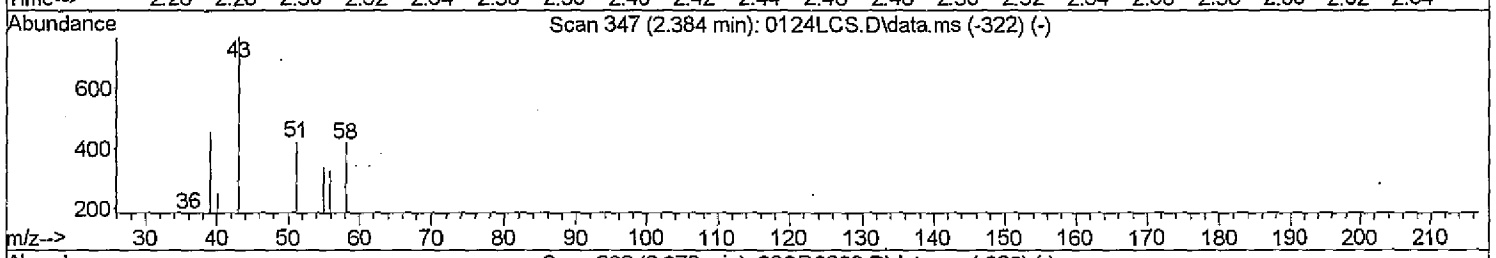
response 5851

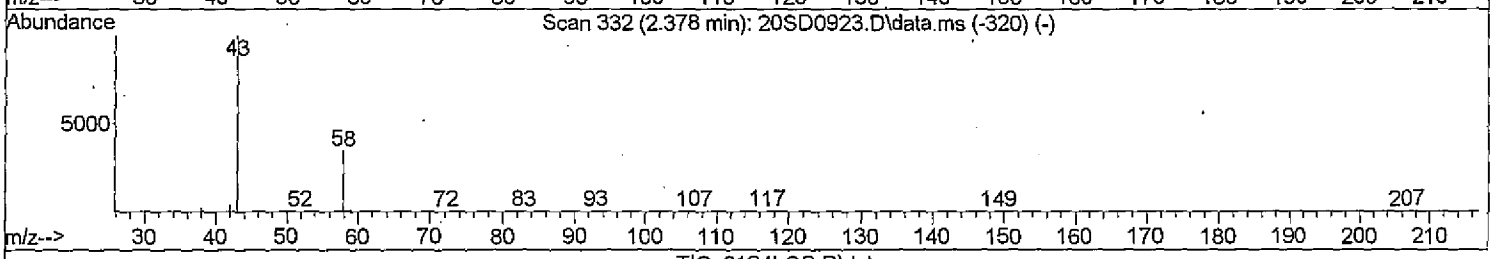
Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\data\01242012\
Data File : 0124LCS.D
Acq On : 24 Jan 2012 7:56 pm
Operator : SCW OBB-AG5975
Sample : Batch-BS1, 5 ppb, 2.5 uL/100 mL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 25 10:26:51 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 10:20:53 2012
Response via : Initial Calibration







TIC: 0124LCS.D\data.ms

(8) ACETONE (TMCP)

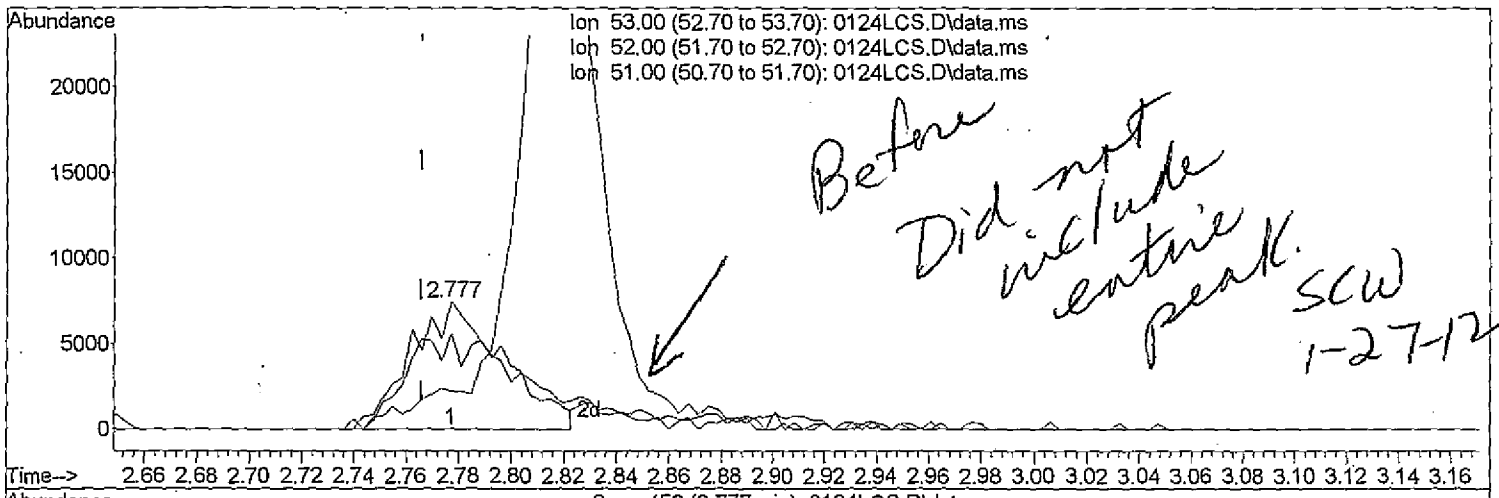
2.342min (-0.011) 1.31ug/L m

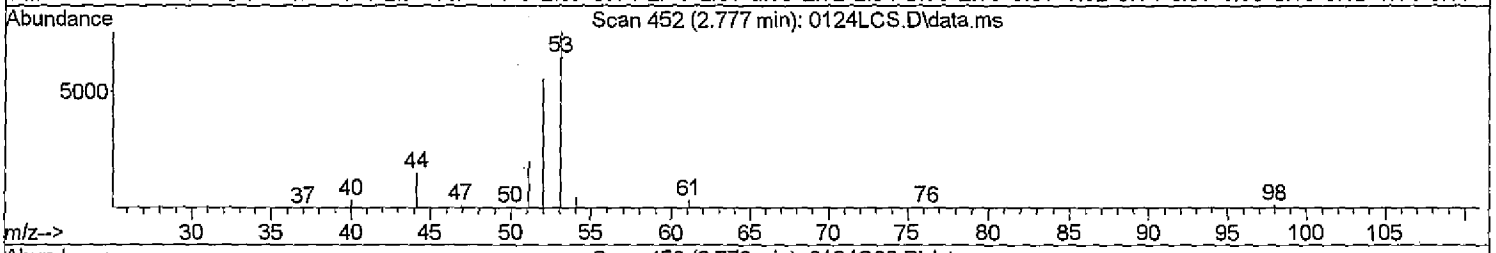
response 6554

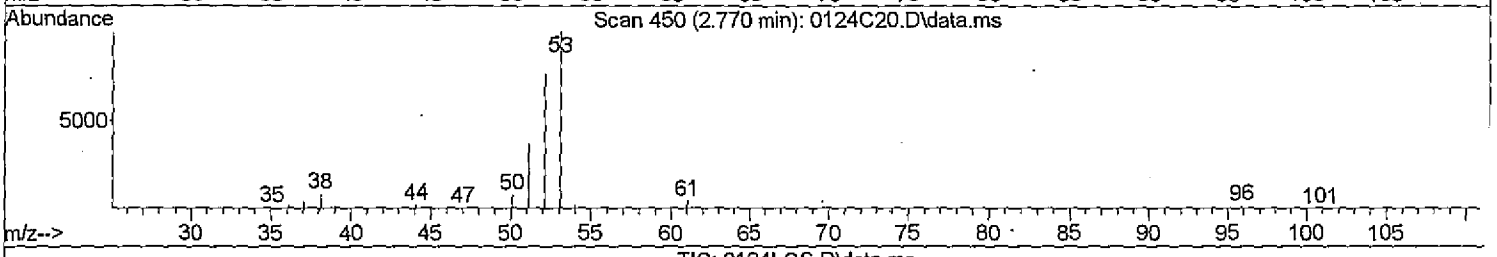
Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\data\01242012\
Data File : 0124LCS.D
Acq On : 24 Jan 2012 7:56 pm
Operator : SCW OBB-AG5975
Sample : Batch-BS1, 5 ppb, 2.5 uL/100 mL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 25 10:26:51 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 10:20:53 2012
Response via : Initial Calibration







TIC: 0124LCS.D\data.ms

(10) ACRYLONITRILE (TMCP)

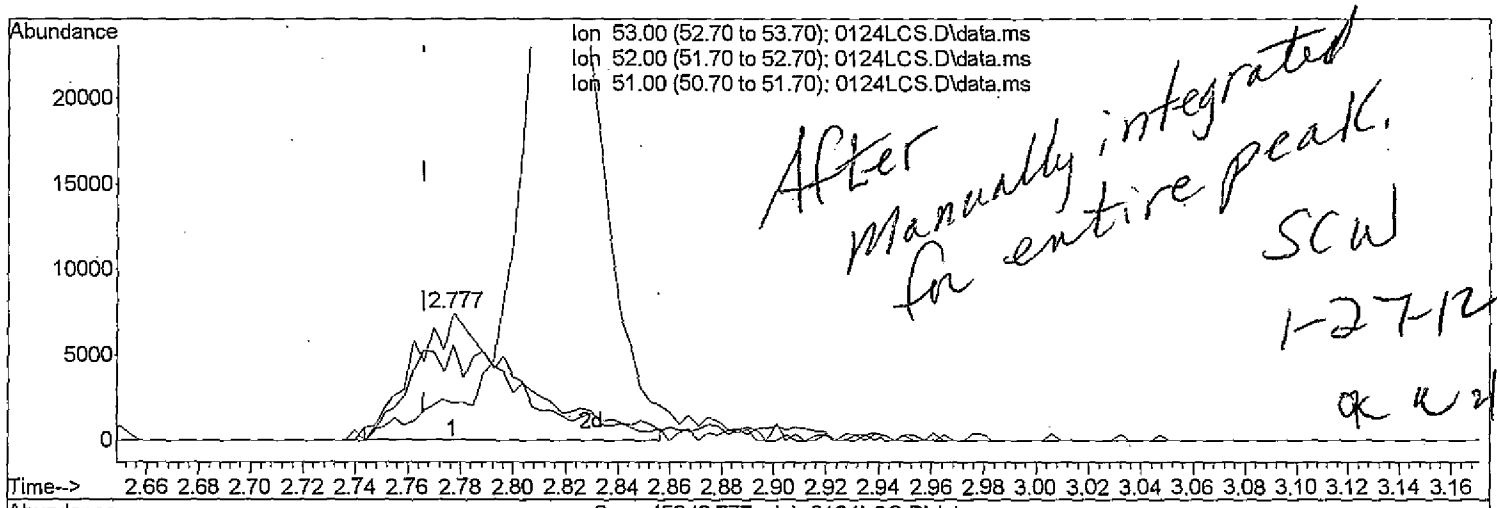
2.777min (+0.011) 4.63ug/L

response 18205

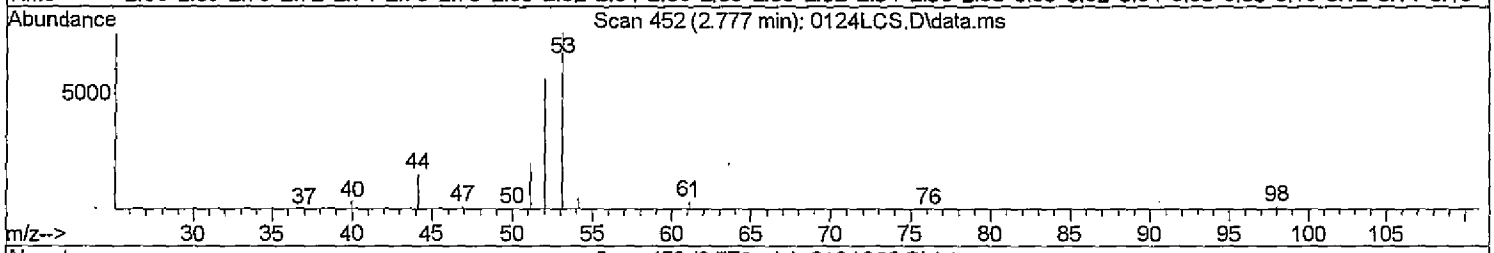
Ion	Exp%	Act%
53.00	100	100
52.00	80.00	43.30#
51.00	35.00	16.41#
0.00	0.00	0.00

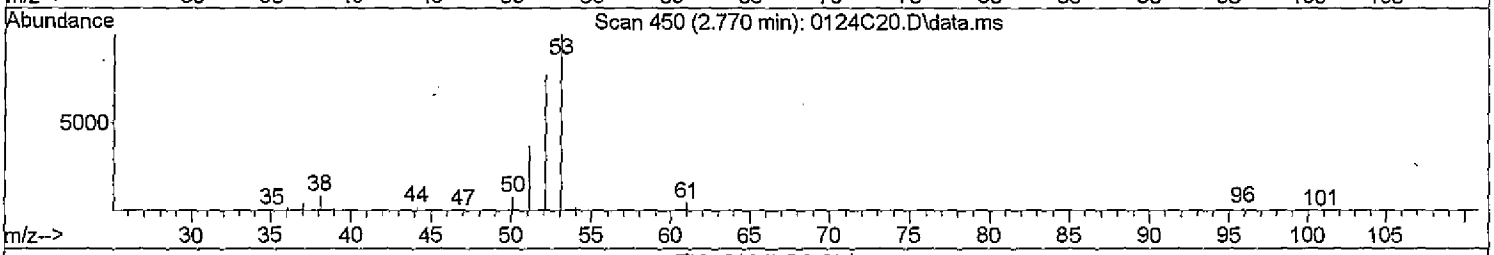
Path : D:\data\01242012\
File : 0124LCS.D
Acq On : 24 Jan 2012 7:56 pm
Operator : SCW OBB-AG5975
Sample : Batch-BS1, 5 ppb, 2.5 uL/100 mL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 25 10:26:51 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 10:20:53 2012
Response via : Initial Calibration



After manually integrated for entire peak. SCW 1-27-12





TIC: 0124LCS.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.777min (+0.011) 5.11ug/L m

response 20101

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	39.21#
51.00	35.00	14.86#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 0127LCS.D
Acq On : 27 Jan 2012 12:41 pm
Operator : SCW OBB-AG5975
Sample : Batch-BS1, 2 ppb acryl spike, 1 ul/100 ml
Misc :
ALS Vial : 3 Sample Multiplier: 1

Low level acrylonitrile spike @2ppb

Second Source

Quant Time: Jan 27 13:12:09 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

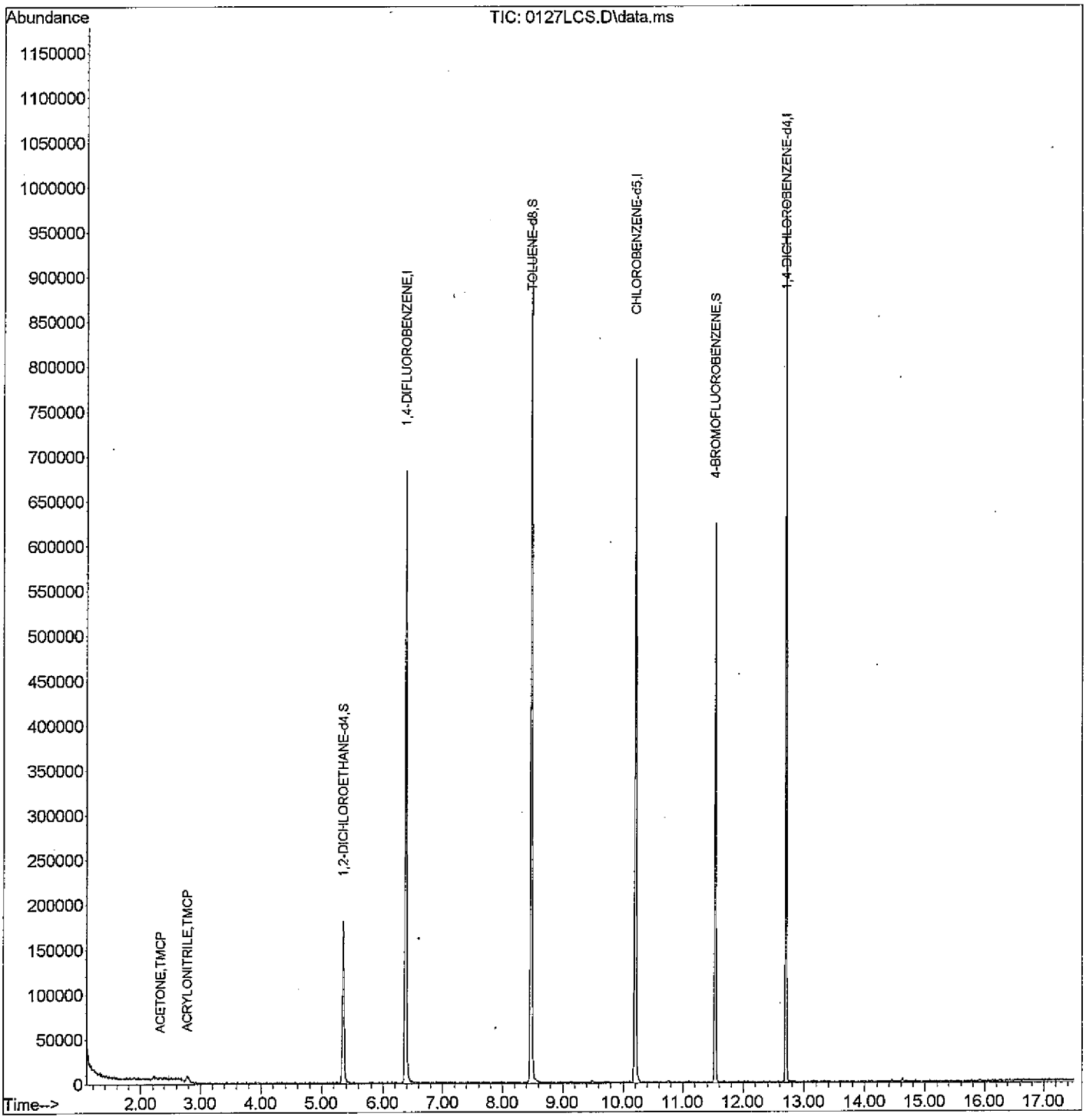
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	533653	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.203	117	429634	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	180613	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	120185	4.21 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 105.25%	
42) TOLUENE-d8	8.475	98	607465	3.93 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 98.25%	
60) 4-BROMOFLUOROBENZENE	11.530	95	163832	3.77 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 94.25%	
Target Compounds					Qvalue
8) ACETONE	2.342	43	1794	0.39 ug/L #	47
10) ACRYLONITRILE	2.781	53	8163	2.23 ug/L #	27 1/2

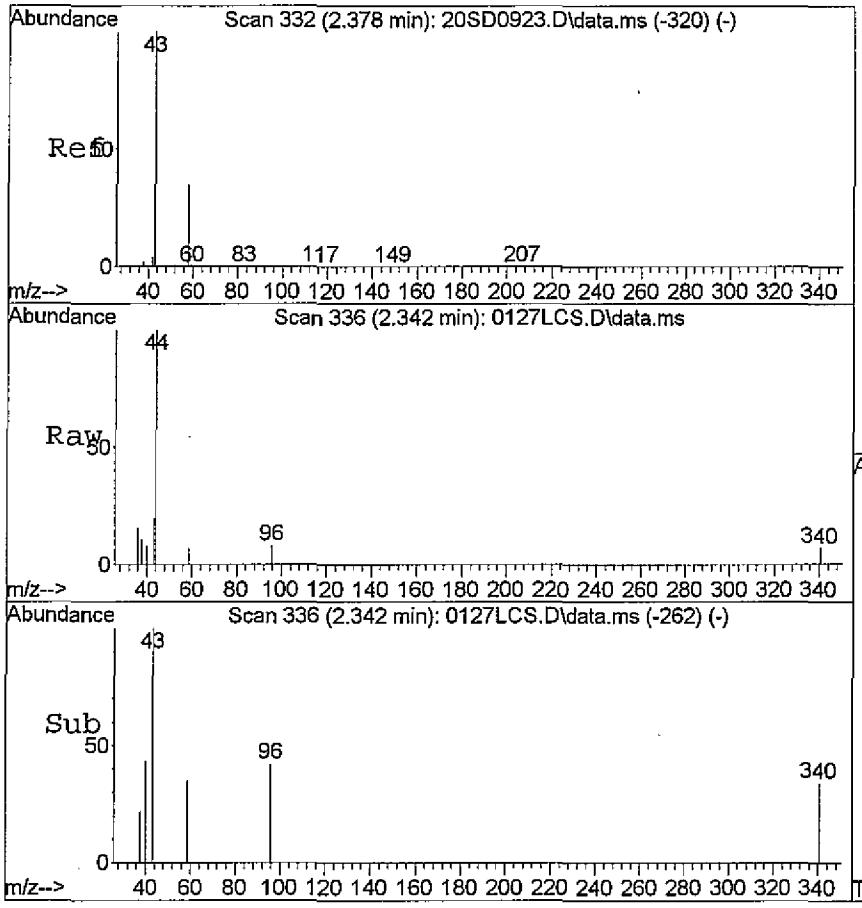
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 0127LCS.D
Acq On : 27 Jan 2012 12:41 pm
Operator : SCW OBB-AG5975
Sample : Batch-BS1, 2 ppb acryl spike, 1 ul/100 ml
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 27 13:12:09 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

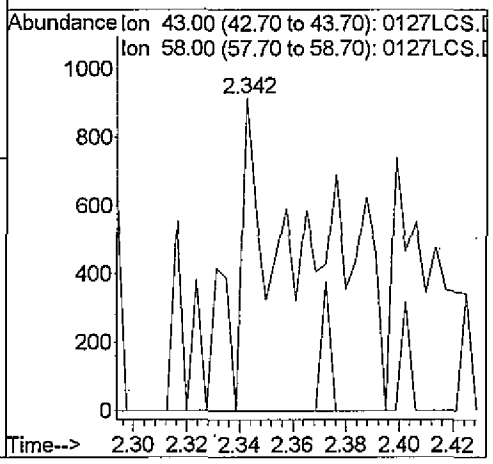


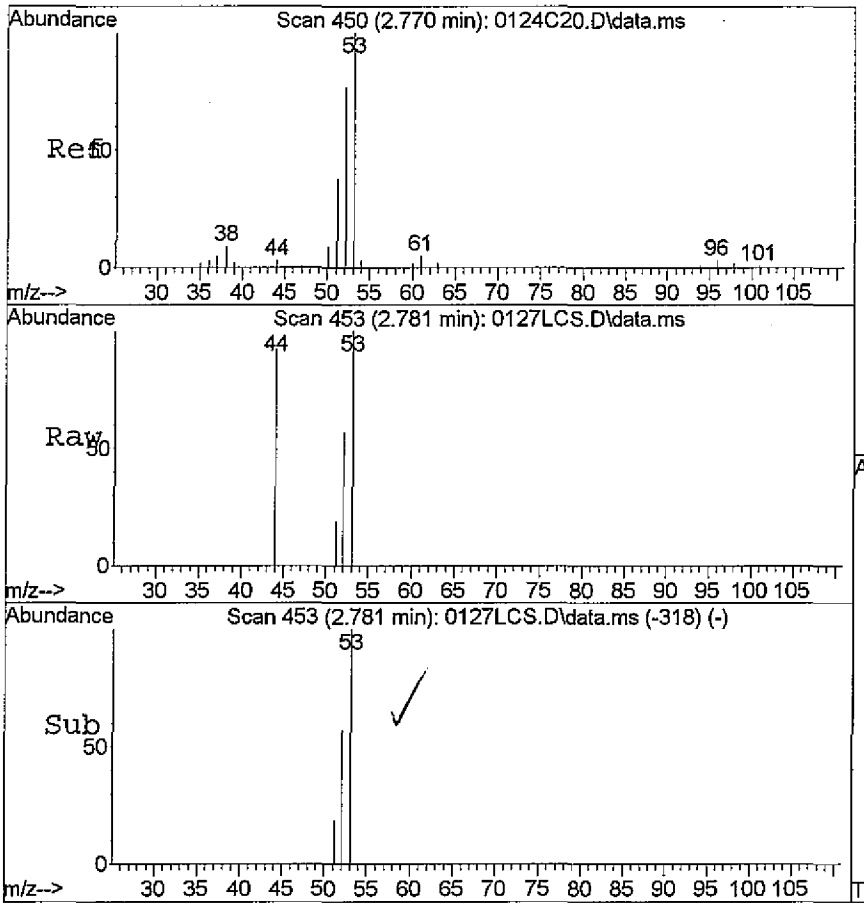


#8
ACETONE
Concen: 0.39 ug/L
RT: 2.342 min Scan# 336
Delta R.T. -0.023 min
Lab File: 0127LCS.D
Acq: 27 Jan 2012 12:41 pm

Tgt Ion: 43 Resp: 1794

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#

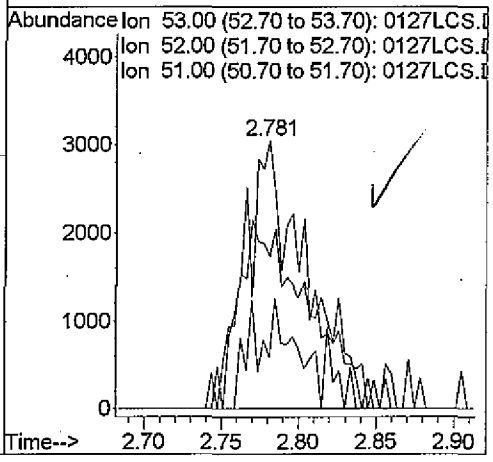




#10
ACRYLONITRILE
Concen: 2.23 ug/L
RT: 2.781 min Scan# 453
Delta R.T. 0.007 min
Lab File: 0127LCS.D
Acq: 27 Jan 2012 12:41 pm

Tgt Ion: 53 Resp: 8163

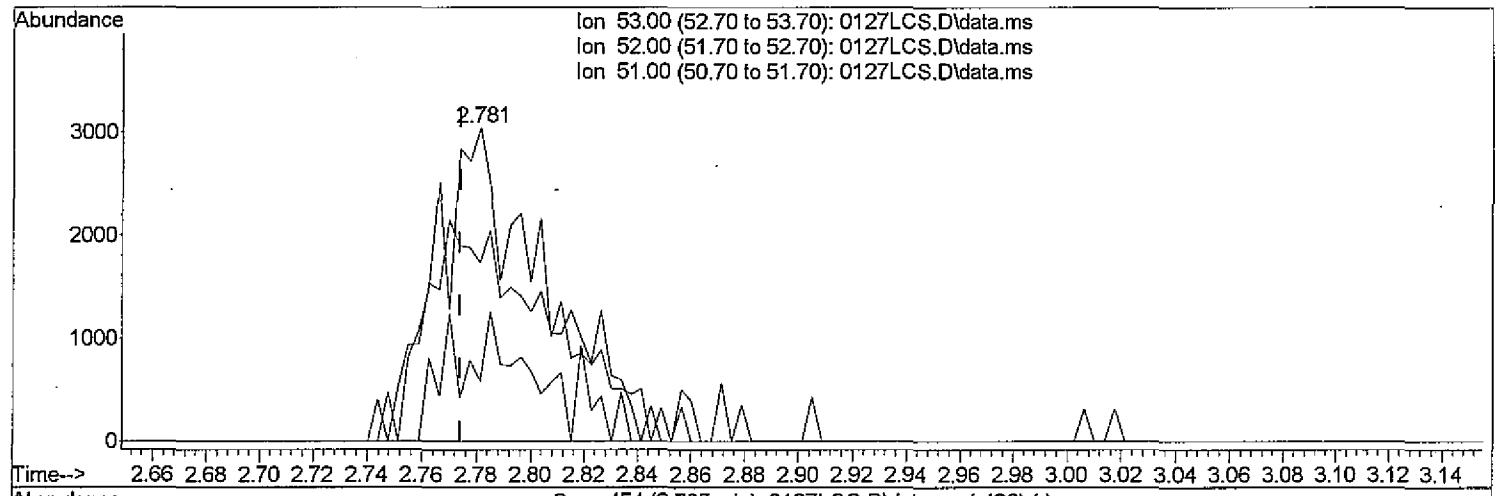
Ion	Ratio	Lower	Upper
53	100		
52	0.0	64.0	96.0#
51	16.3	28.0	42.0#

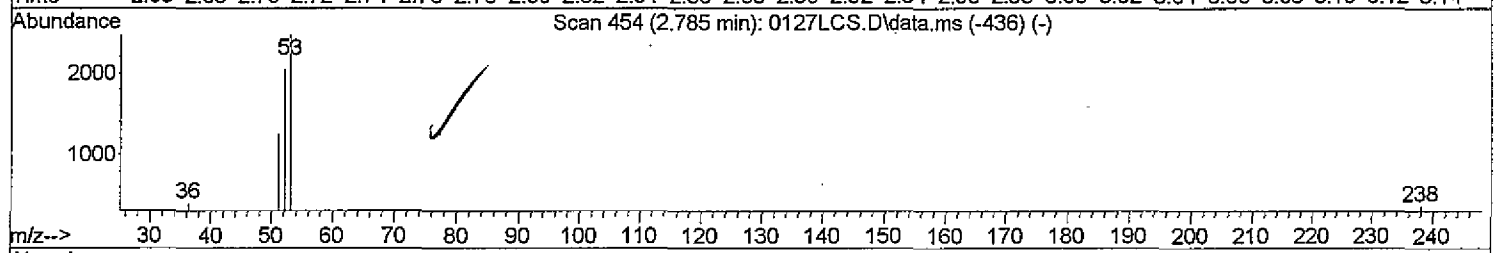


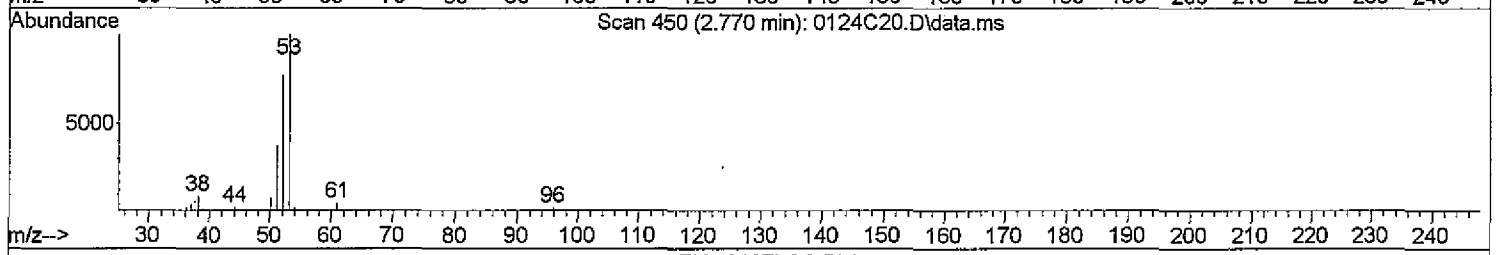
Quantitation Report (Qedit)

Data Path : D:\data\01272012\
Data File : 0127LCS.D
Acq On : 27 Jan 2012 12:41 pm
Operator : SCW OBB-AG5975
Sample : Batch-BS1, 2 ppb acryl spike, 1 ul/100 ml
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 27 13:12:09 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 0127LCS.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.781min (+0.007) 2.23ug/L

response 8163

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	0.00#
51.00	35.00	16.34#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : 0202LCS.D
Acq On : 2 Feb 2012 12:23 pm
Operator : SCW OBB-AG5975
Sample : BATCH-BS1, 5 PPB ACRYLONITRILE, 2.5 UL/100 ML
Misc :
ALS Vial : 3 Sample Multiplier: 1

Second Source

Duplicate acrylonitrile spike @ 5ppb

Quant Time: Feb 02 12:46:33 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	400882	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	388450	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	163782	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	91748	4.28 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 107.00%		
42) TOLUENE-d8	8.475	98	497322	3.56 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 89.00%		
60) 4-BROMOFLUOROBENZENE	11.530	95	150319	3.81 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 95.25%		
Target Compounds					Qvalue
10) ACRYLONITRILE	2.781	53	28093m	10.23 ug/L	205% A

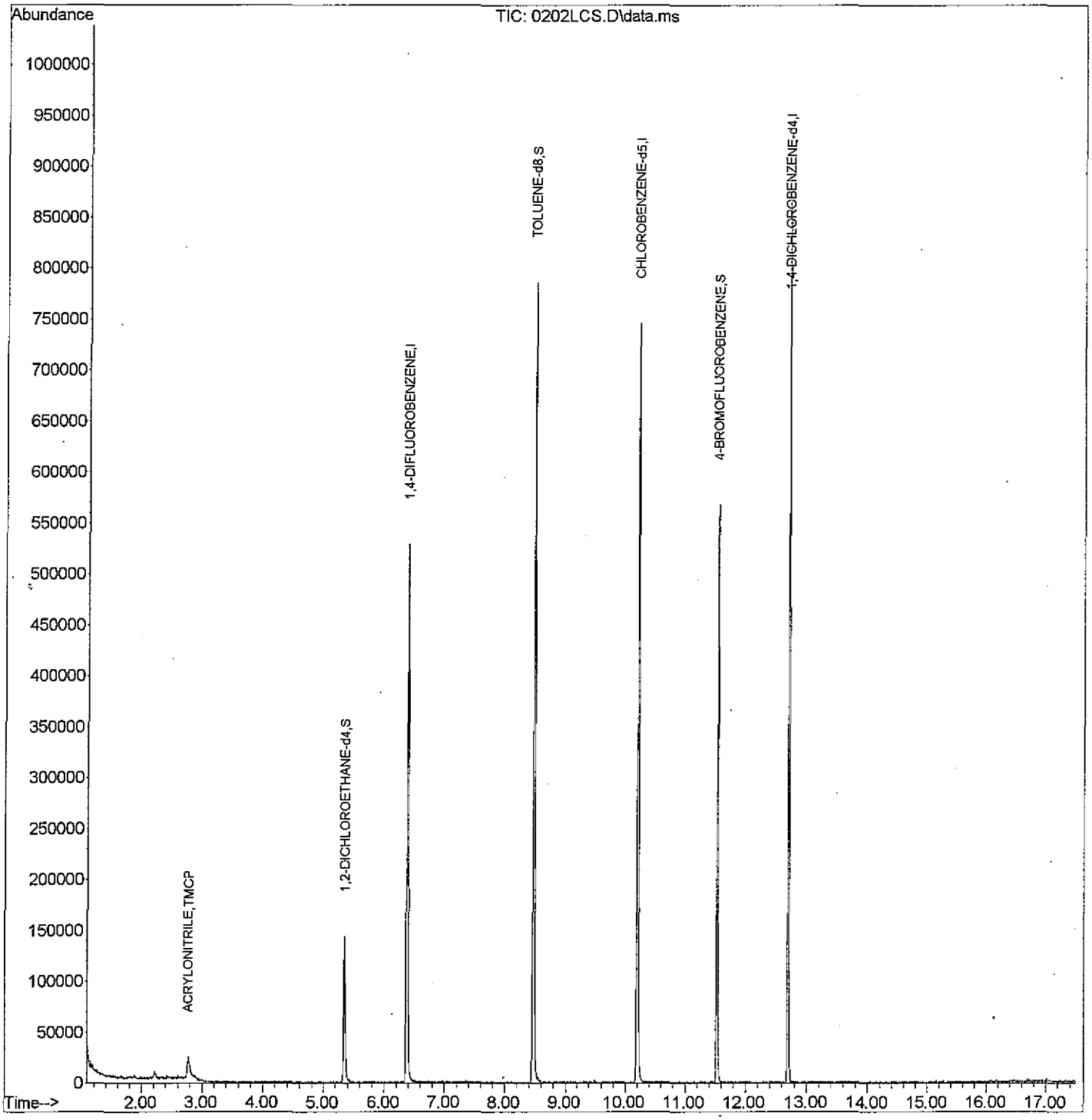
(#) = qualifier out of range (m) = manual integration (+) = signals summed

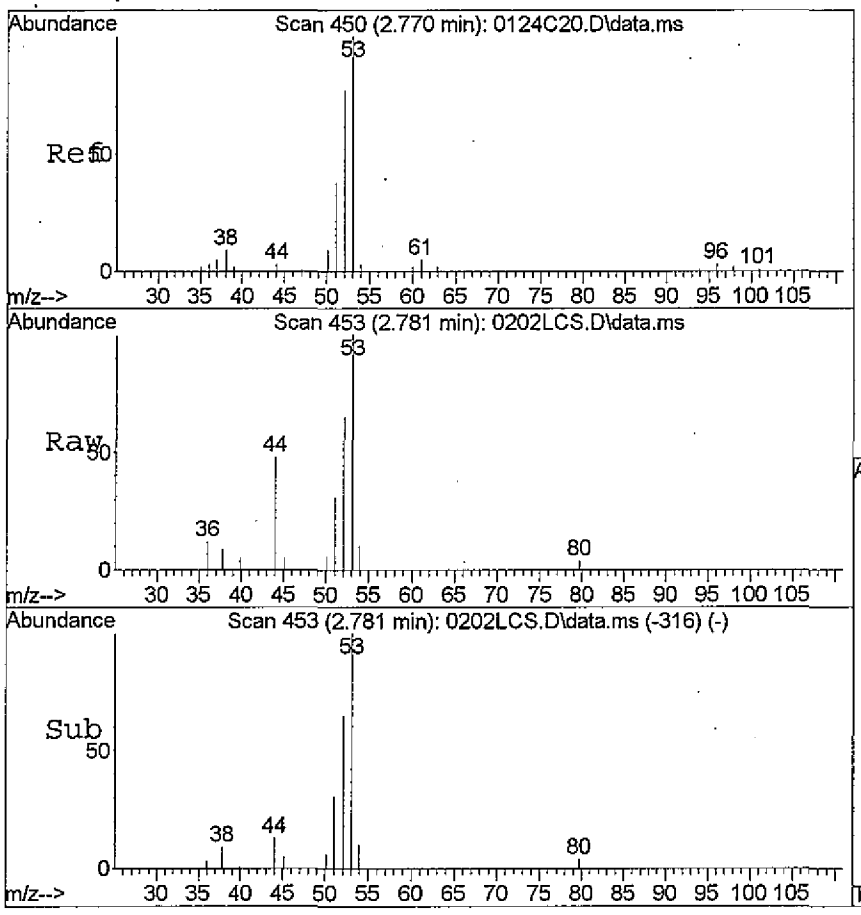
Since this was high, ran 2 BS from the same source as the cal stds - BS2 & BS3

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : 0202LCS.D
Acq On : 2 Feb 2012 12:23 pm
Operator : SCW OBB-AG5975
Sample : BATCH-BS1, 5 PPB ACRYLONITRILE, 2.5 UL/100 ML
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 02 12:46:33 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration

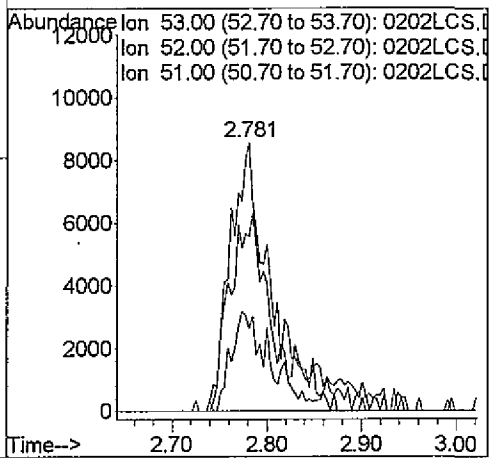




#10
ACRYLONITRILE
Concen: 10.23 ug/L m
RT: 2.781 min Scan# 453
Delta R.T. 0.015 min
Lab File: 0202LCS.D
Acq: 2 Feb 2012 12:23 pm

Tgt Ion: 53 Resp: 28093

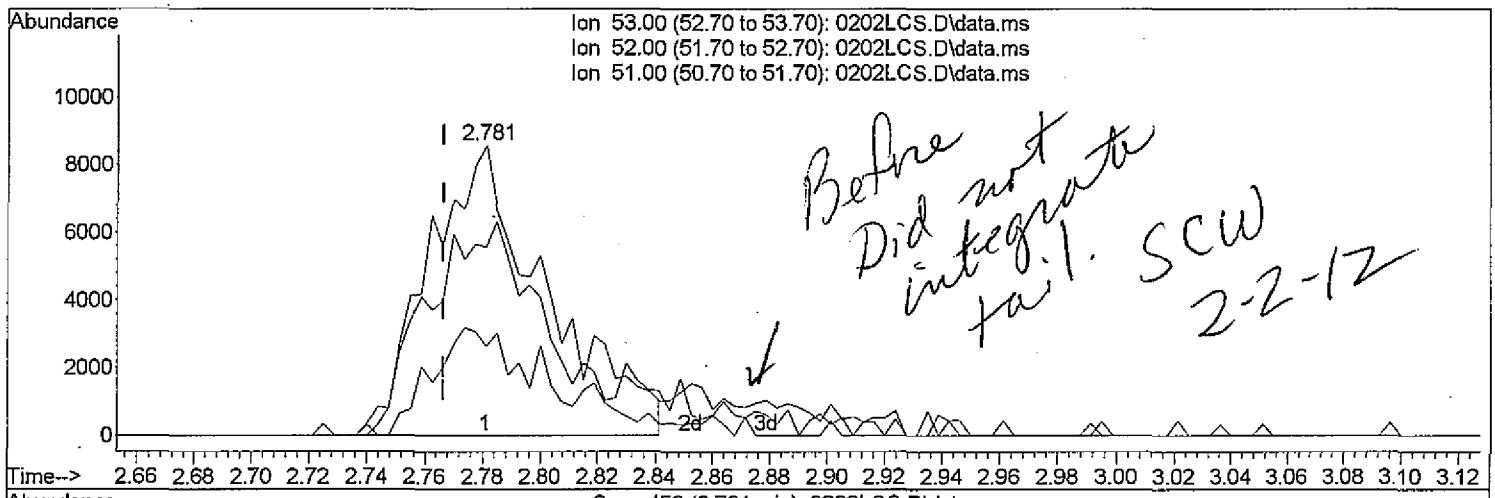
Ion	Ratio	Lower	Upper
53	100		
52	61.6	64.0	96.0#
51	26.3	28.0	42.0#



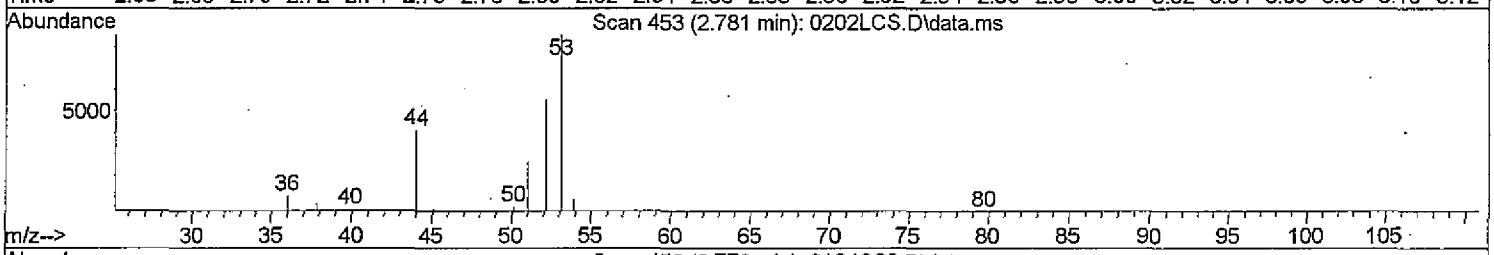
Quantitation Report (Qedit)

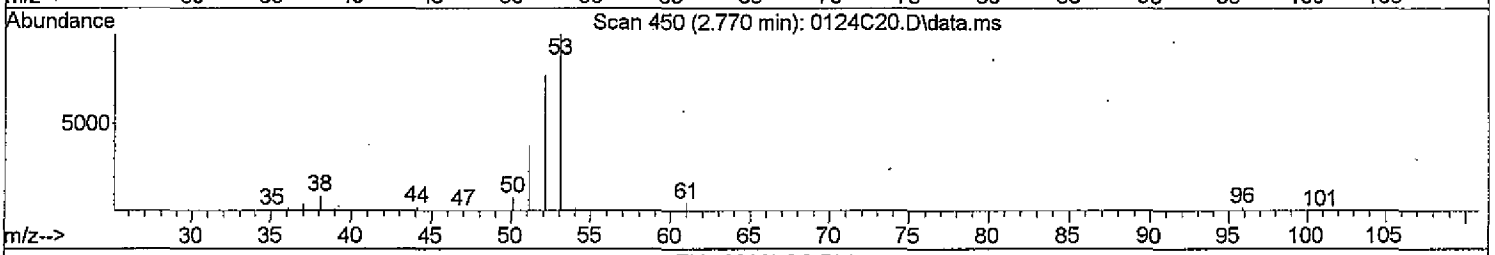
Data Path : D:\data\02022012\
Data File : 0202LCS.D
Acq On : 2 Feb 2012 12:23 pm
Operator : SCW OBB-AG5975
Sample : BATCH-BS1, 5 PPB ACRYLONITRILE, 2.5 UL/100 ML
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 02 12:43:12 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration



Before Did not integrate fail. SCW 2-2-12





TIC: 0202LCS.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.781min (+0.015) 8.77ug/L

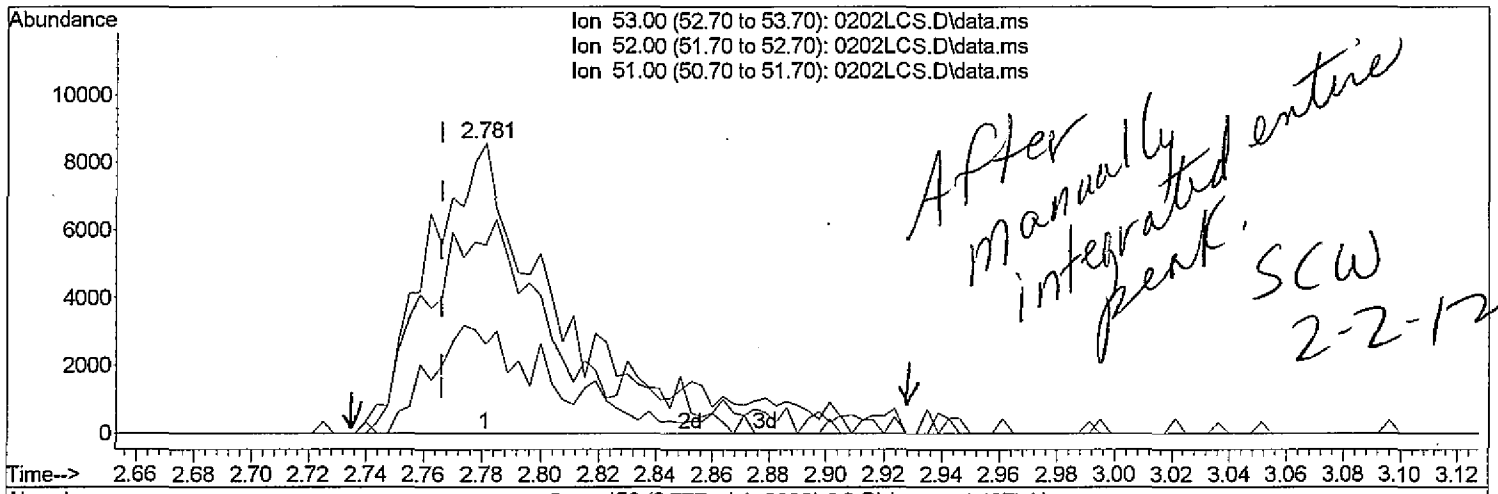
response 24106

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	71.75
51.00	35.00	30.69
0.00	0.00	0.00

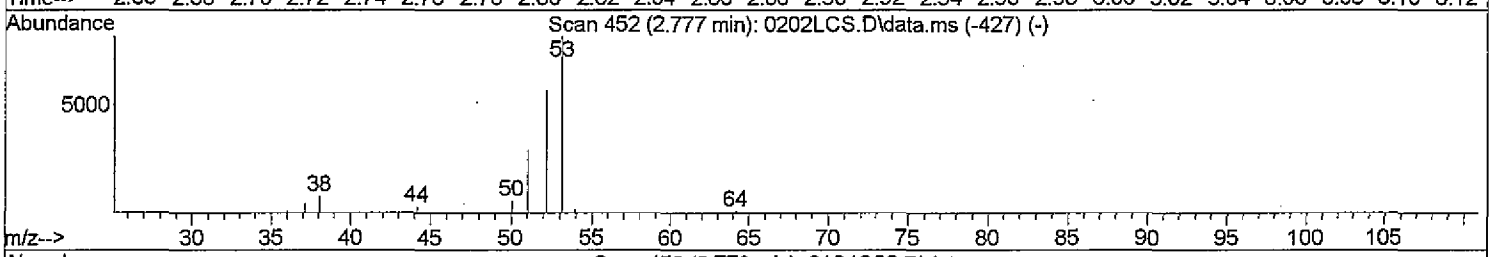
Quantitation Report (Qedit)

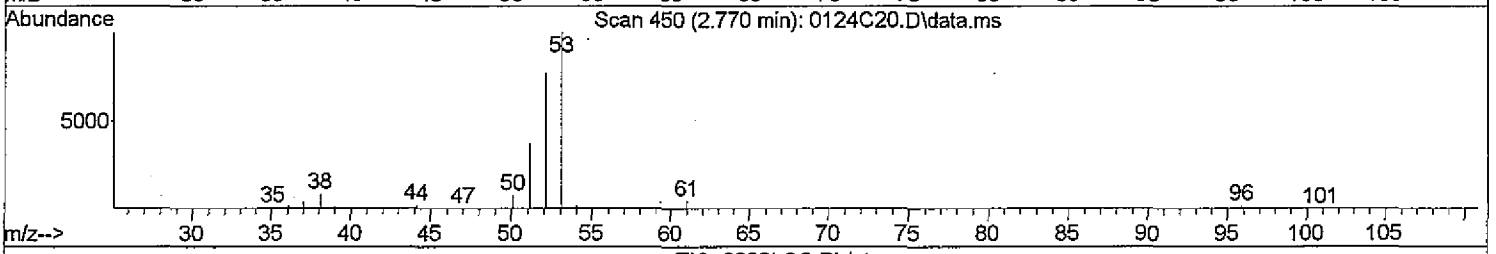
Data Path : D:\data\02022012\
Data File : 0202LCS.D
Acq On : 2 Feb 2012 12:23 pm
Operator : SCW OBB-AG5975
Sample : BATCH-BS1, 5 PPB ACRYLONITRILE, 2.5 UL/100 ML
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 02 12:43:12 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration



After manually integrated entire peak. SCW 2-2-12





TIC: 0202LCS.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.781min (+0.015) 10.23ug/L m

response 28093

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	61.57#
51.00	35.00	26.33#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : BS2.D
Acq On : 2 Feb 2012 3:18 pm
Operator : SCW OBB-AG5975
Sample : BATCH-BS2; 5 PPB ACRYL; 2.5 UL/100 ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

BS for acrylonitrile — Same Source

Quant Time: Feb 02 15:56:07 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.376	114	450834	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	409470	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	180245	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.341	65	91942	3.81 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 95.25%		
42) TOLUENE-d8	8.471	98	552664	3.75 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 93.75%		
60) 4-BROMOFLUOROBENZENE	11.530	95	157737	3.64 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 91.00%		

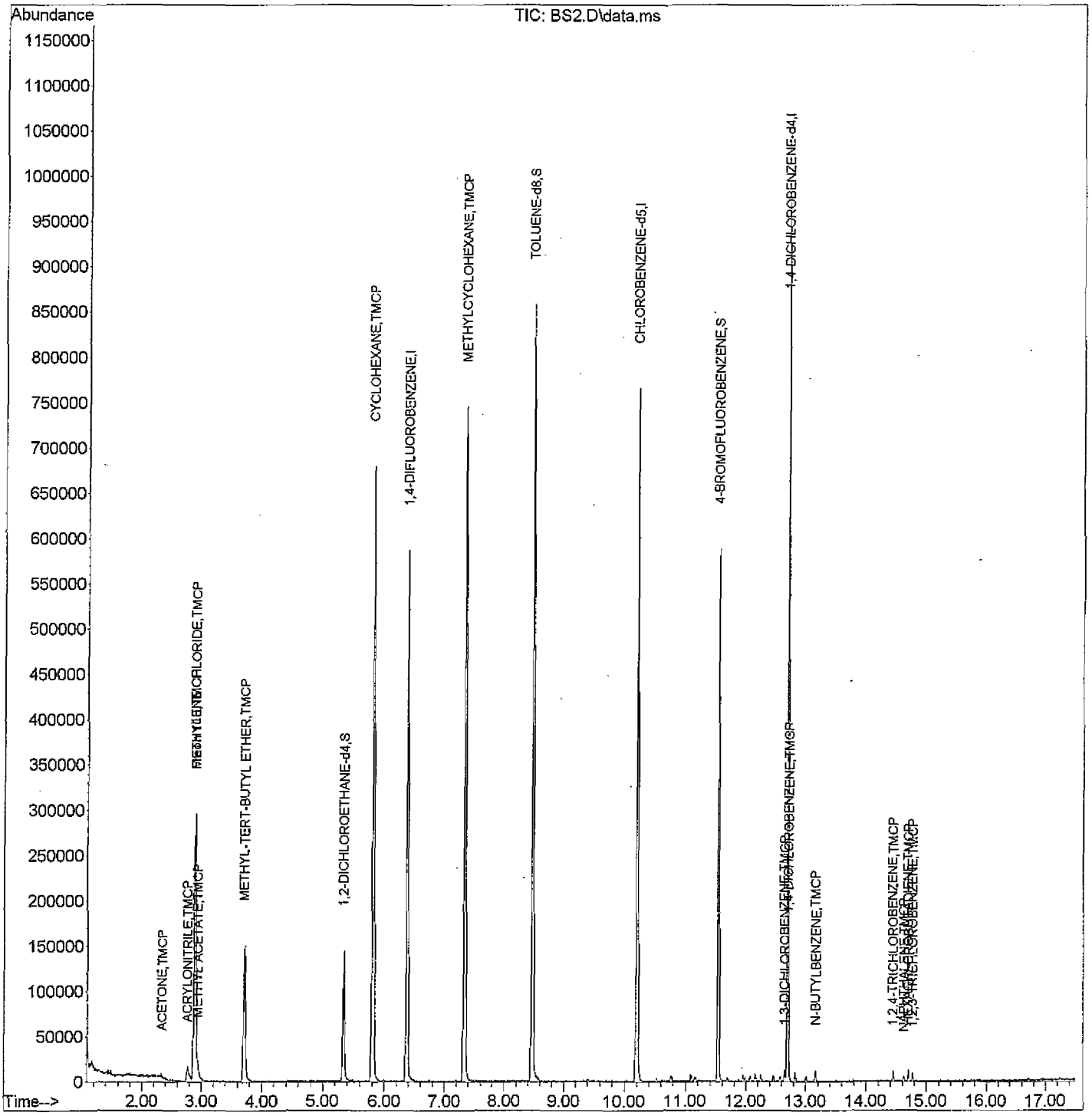
Target Compounds					Qvalue
8) ACETONE	2.350	43	3048	0.79 ug/L #	87
10) ACRYLONITRILE	2.774	53	16957m	5.49 ug/L	110%
11) METHYLENE CHLORIDE	2.886	84	2657	0.12 ug/L #	51
12) Freon 113	2.890	101	141237	6.20 ug/L	89
14) METHYL ACETATE	2.946	43	27546	4.31 ug/L #	89
16) METHYL-TERT-BUTYL ETHER	3.711	73	136746	4.76 ug/L #	91
28) CYCLOHEXANE	5.810	56	334375	6.20 ug/L #	83
35) METHYLCYCLOHEXANE	7.332	83	269522	6.37 ug/L	89
69) 1,3-DICHLOROBENZENE	12.662	146	3110	0.05 ug/L	92
70) 1,4-DICHLOROBENZENE	12.722	146	3450	0.06 ug/L #	69
73) N-BUTYLBENZENE	13.161	91	5509	0.05 ug/L #	85
75) 1,2,4-TRICHLOROBENZENE	14.447	180	2977	0.11 ug/L	97
76) NAPHTHALENE	14.619	128	3554	0.10 ug/L #	69
77) HEXACHLOROBUTADIENE	14.698	225	1722	0.10 ug/L #	88
78) 1,2,3-TRICHLOROBENZENE	14.765	180	2319	0.10 ug/L #	82

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

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : BS2.D
Acq On : 2 Feb 2012 3:18 pm
Operator : SCW OBB-AG5975
Sample : BATCH-BS2; 5 PPB ACRYL; 2.5 UL/100 ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

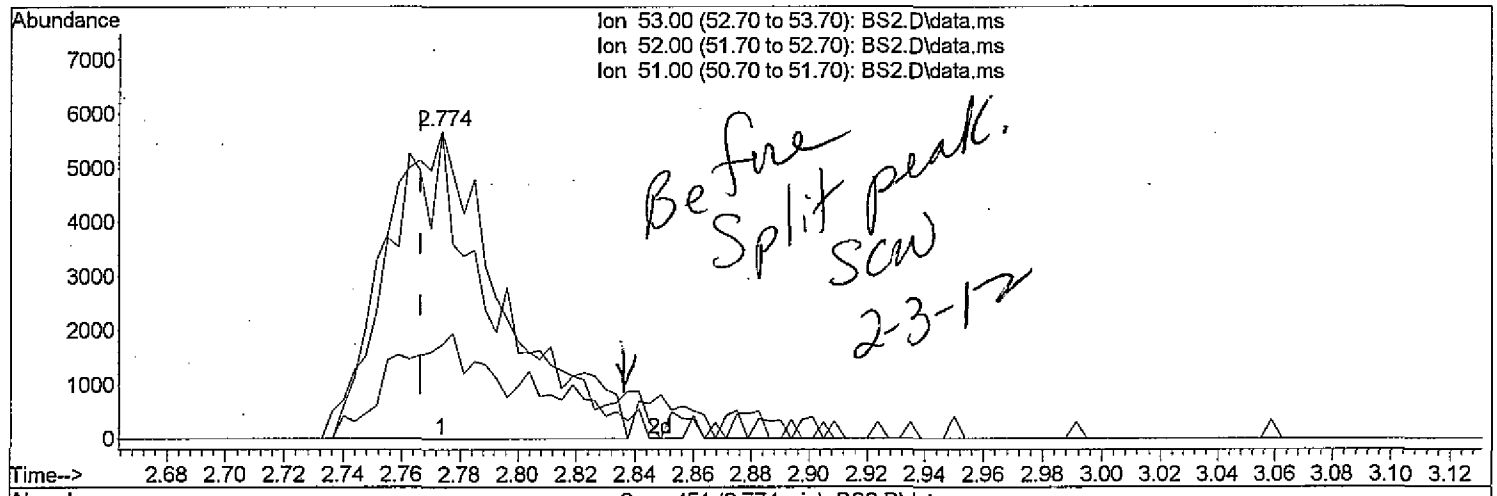
Quant Time: Feb 02 15:56:07 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration

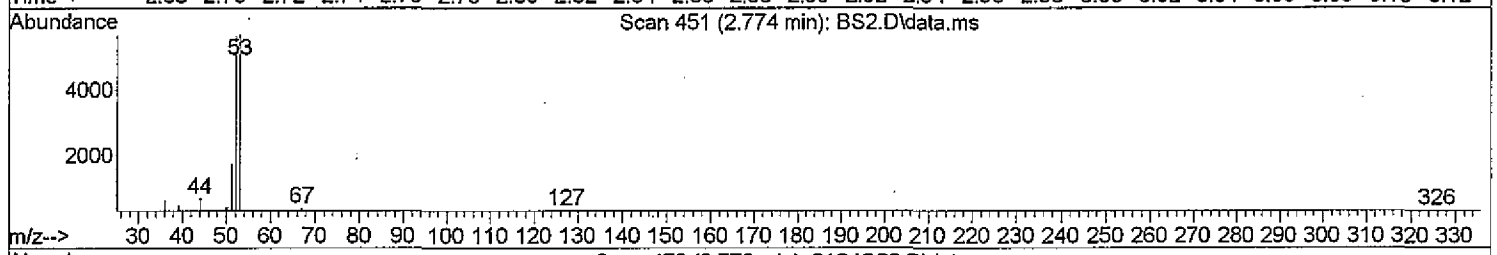


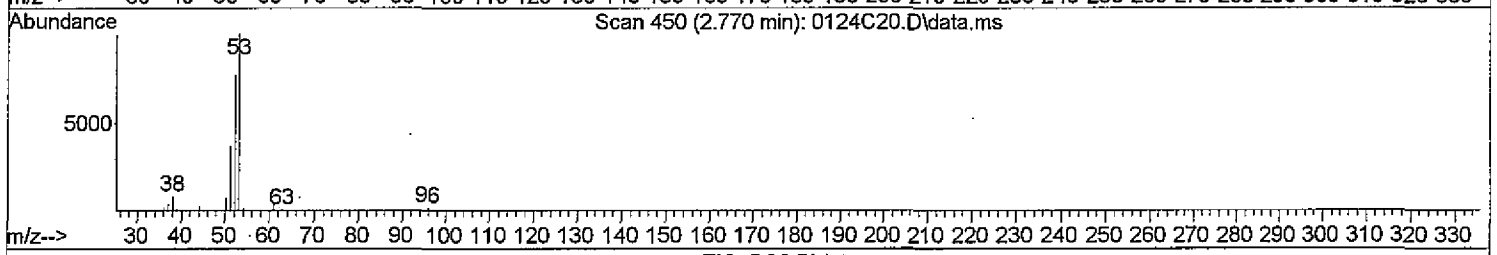
Quantitation Report (Qedit)

Data Path : D:\data\02022012\
Data File : BS2.D
Acq On : 2 Feb 2012 3:18 pm
Operator : SCW OBB-AG5975
Sample : BATCH-BS2; 5 PPB ACRYL; 2.5 UL/100 ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 15:52:05 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration







TIC: BS2.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.774min (+0.007) 5.18ug/L

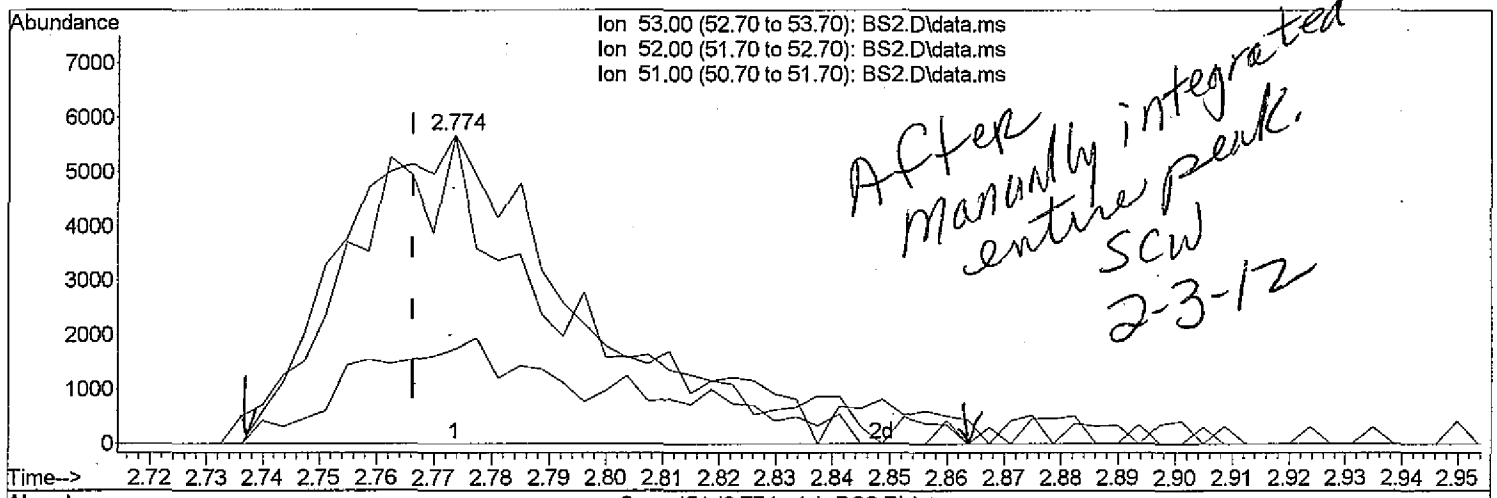
response 16005

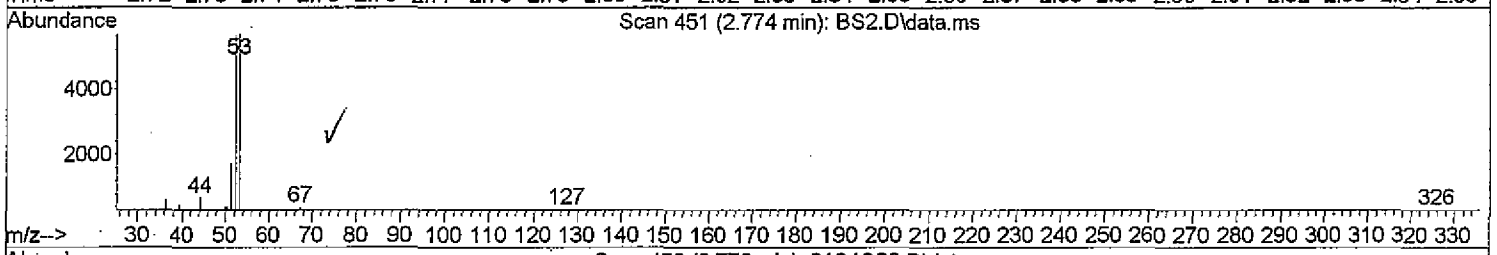
Ion	Exp%	Act%
53.00	100	100
52.00	80.00	86.68
51.00	35.00	26.75#
0.00	0.00	0.00

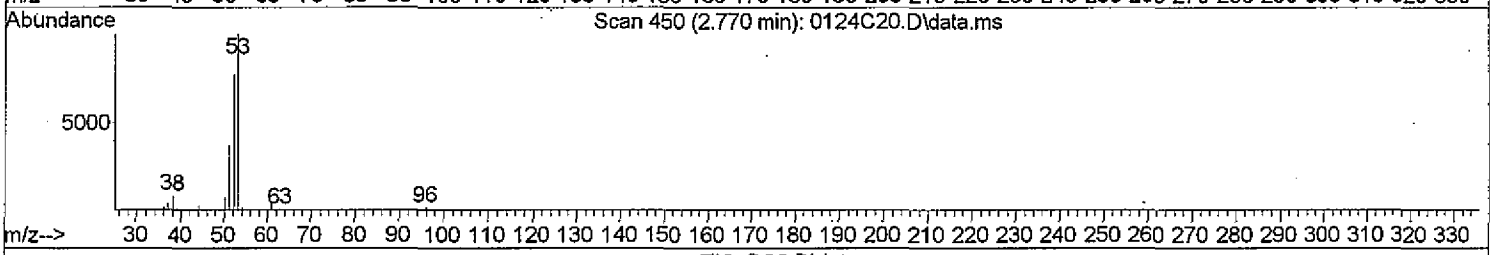
Quantitation Report (Qedit)

Data Path : D:\data\02022012\
Data File : BS2.D
Acq On : 2 Feb 2012 3:18 pm
Operator : SCW OBB-AG5975
Sample : BATCH-BS2; 5 PPB ACRYL; 2.5 UL/100 ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 15:52:05 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration







TIC: BS2.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.774min (+0.007) 5.49ug/L m

response 16957

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	81.81
51.00	35.00	25.25#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : BS3.D
Acq On : 2 Feb 2012 3:45 pm
Operator : SCW OBB-AG5975
Sample : BATCH-BS3; 5 PPB ACRYL; 2.5 UL/100 ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

BS for acrylonitrile - Same Source

Quant Time: Feb 02 16:05:48 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	429836	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.203	117	408926	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	173907	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	92608	4.03 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 100.75%	
42) TOLUENE-d8	8.471	98	516451	3.51 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 87.75%#	
60) 4-BROMOFLUOROBENZENE	11.530	95	158458	3.79 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 94.75%	

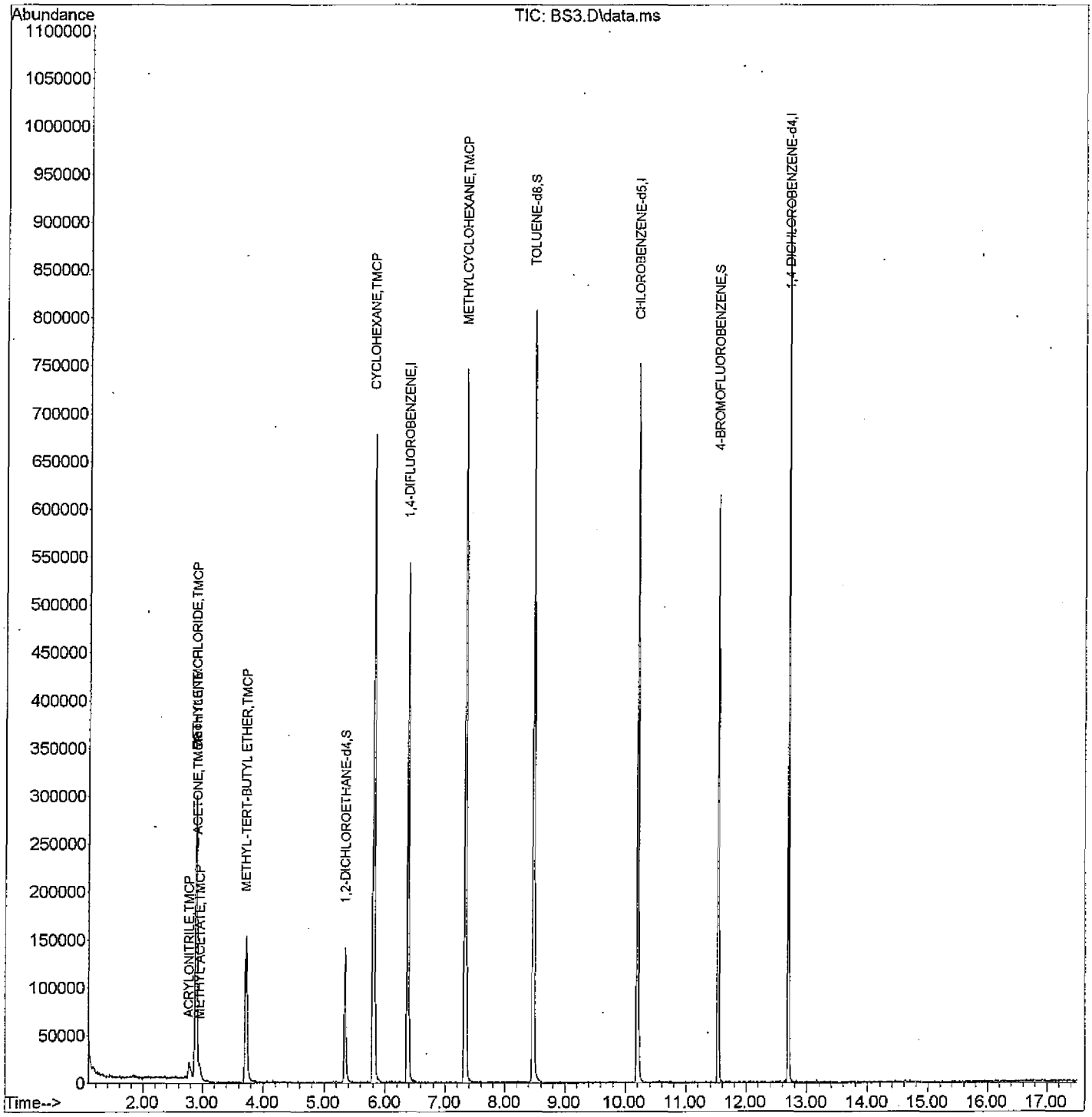
Target Compounds					Qvalue
8) ACETONE	2.912	43	2076	0.56 ug/L #	47
10) ACRYLONITRILE	2.777	53	23098m	7.84 ug/L	157% Rec
11) METHYLENE CHLORIDE	2.890	84	2309	0.11 ug/L #	25
12) Freon 113	2.886	101	147771	6.80 ug/L	88
14) METHYL ACETATE	2.953	43	32888	5.40 ug/L	96
16) METHYL-TERT-BUTYL ETHER	3.722	73	143003	5.22 ug/L #	91
28) CYCLOHEXANE	5.814	56	321169	6.24 ug/L	83
35) METHYLCYCLOHEXANE	7.336	83	261424	6.48 ug/L	90

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

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : BS3.D
Acq On : 2 Feb 2012 3:45 pm
Operator : SCW OBB-AG5975
Sample : BATCH-BS3; 5 PPB ACRYL; 2.5 UL/100 ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

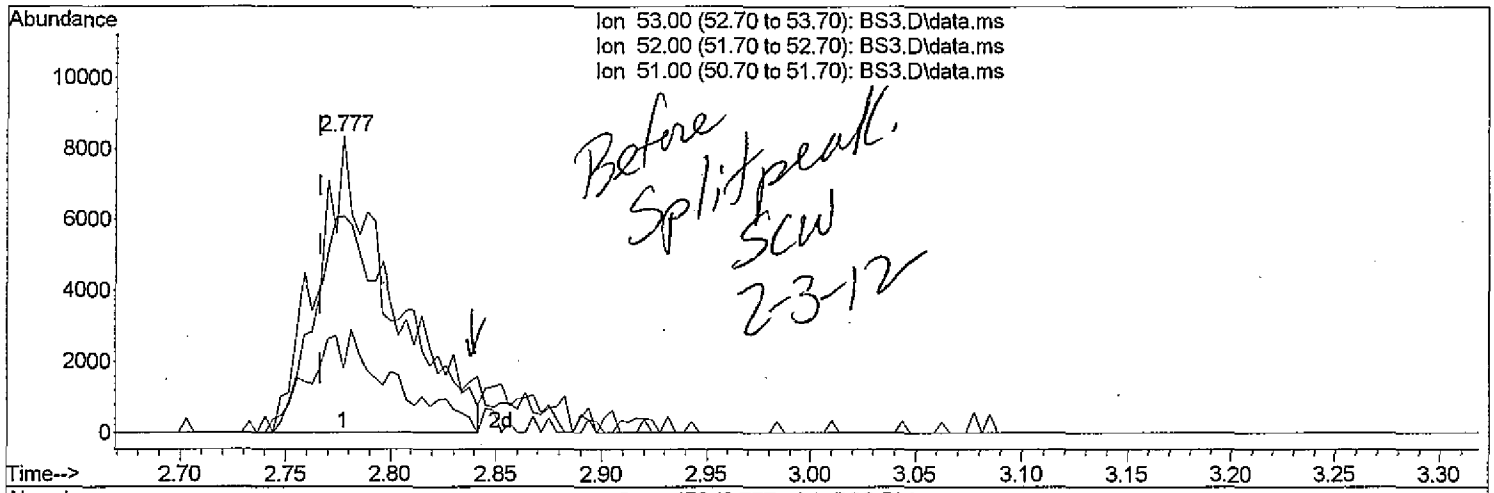
Quant Time: Feb 02 16:05:48 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration

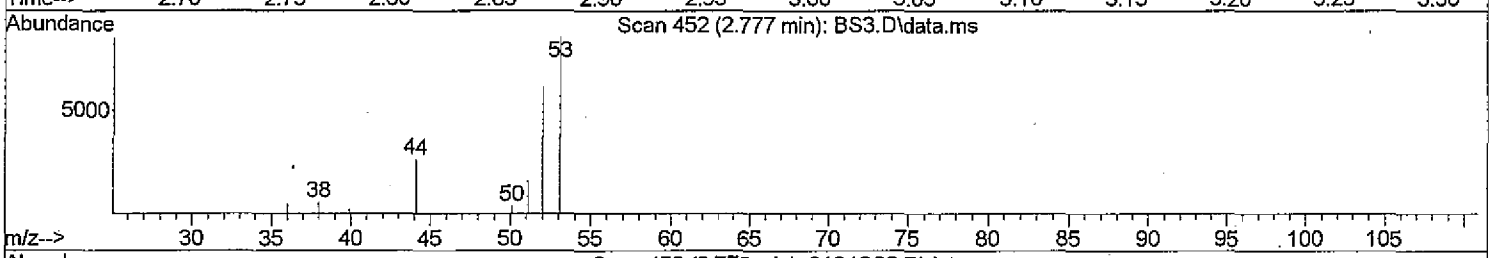


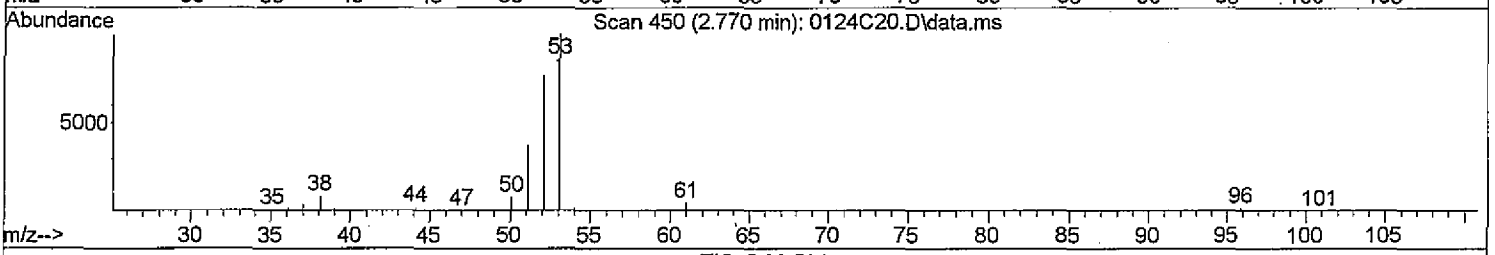
Quantitation Report (Qedit)

Data Path : D:\data\02022012\
Data File : BS3.D
Acq On : 2 Feb 2012 3:45 pm
Operator : SCW OBB-AG5975
Sample : BATCH-BS3; 5 PPB ACRYL; 2.5 UL/100 ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 02 16:04:32 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration







TIC: BS3.D\data.ms

(10) ACRYLONITRILE (TMCP)

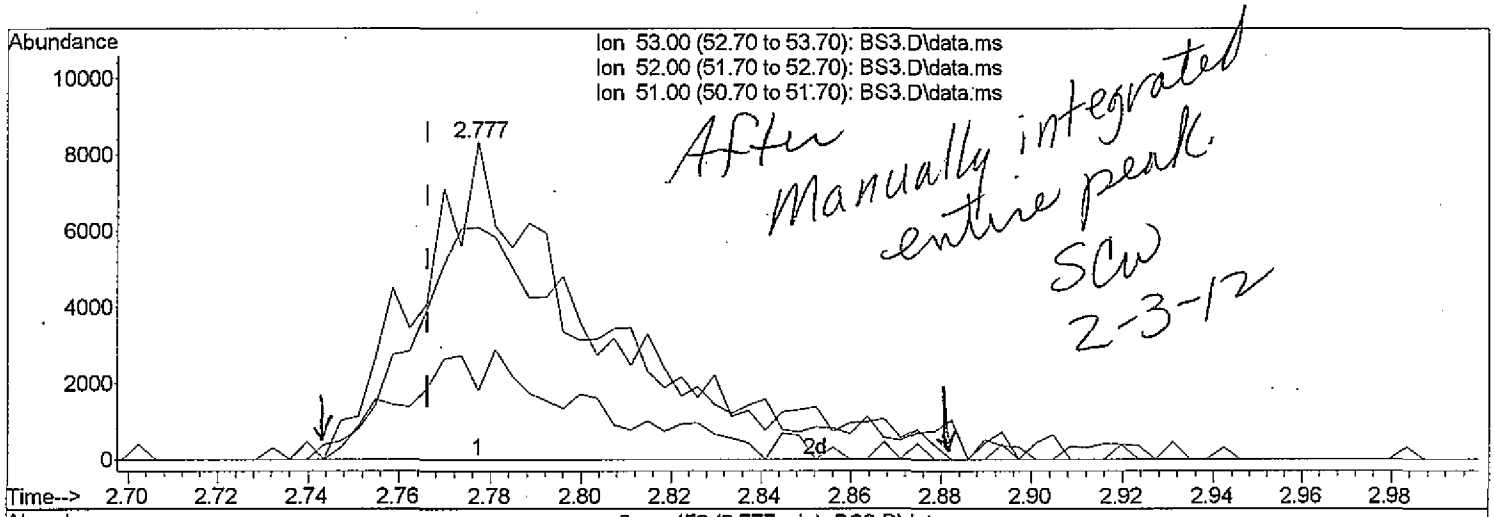
2.777min (+0.011) 7.04ug/L

response 20725

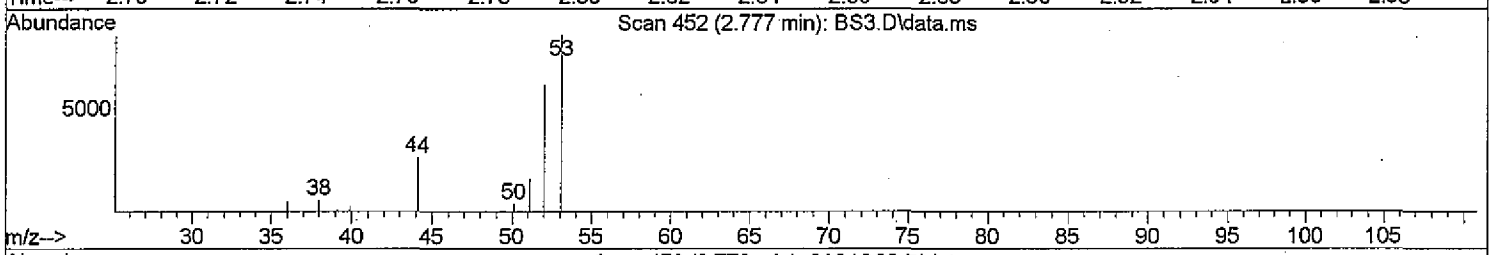
Ion	Exp%	Act%
53.00	100	100
52.00	80.00	94.49
51.00	35.00	37.57
0.00	0.00	0.00

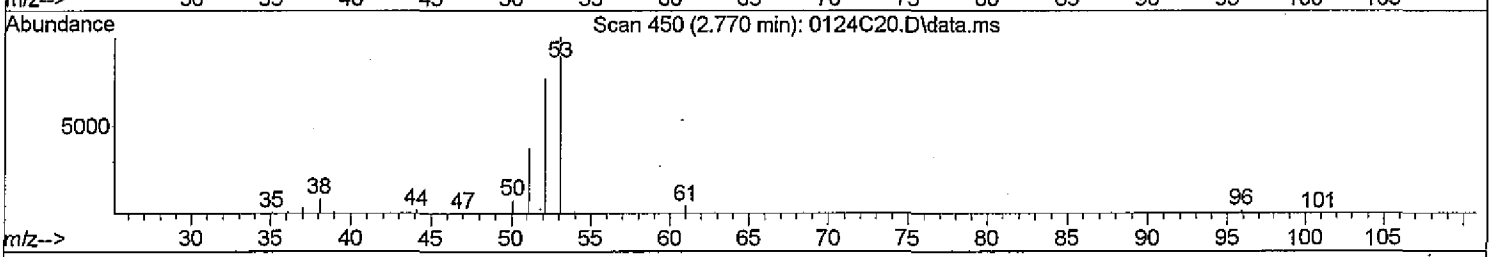
Data Path : D:\data\02022012\
Data File : BS3.D
Acq On : 2 Feb 2012 3:45 pm
Operator : SCW OBB-AG5975
Sample : BATCH-BS3; 5 PPB ACRYL; 2.5 UL/100 ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 02 16:04:32 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration



After manually integrated entire peak. SCW 2-3-12





TIC: BS3.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.777min (+0.011) 7.84ug/L m

response 23098

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	84.78
51.00	35.00	33.71
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 0127BLK.D
Acq On : 27 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 13:10:30 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	533584	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	441140	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	182964	4.00 ug/L	0.00

System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.349	65	121727	4.26 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 106.50%	
42) TOLUENE-d8	8.475	98	621568	3.92 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 98.00%	
60) 4-BROMOFLUOROBENZENE	11.530	95	166870	3.79 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 94.75%	

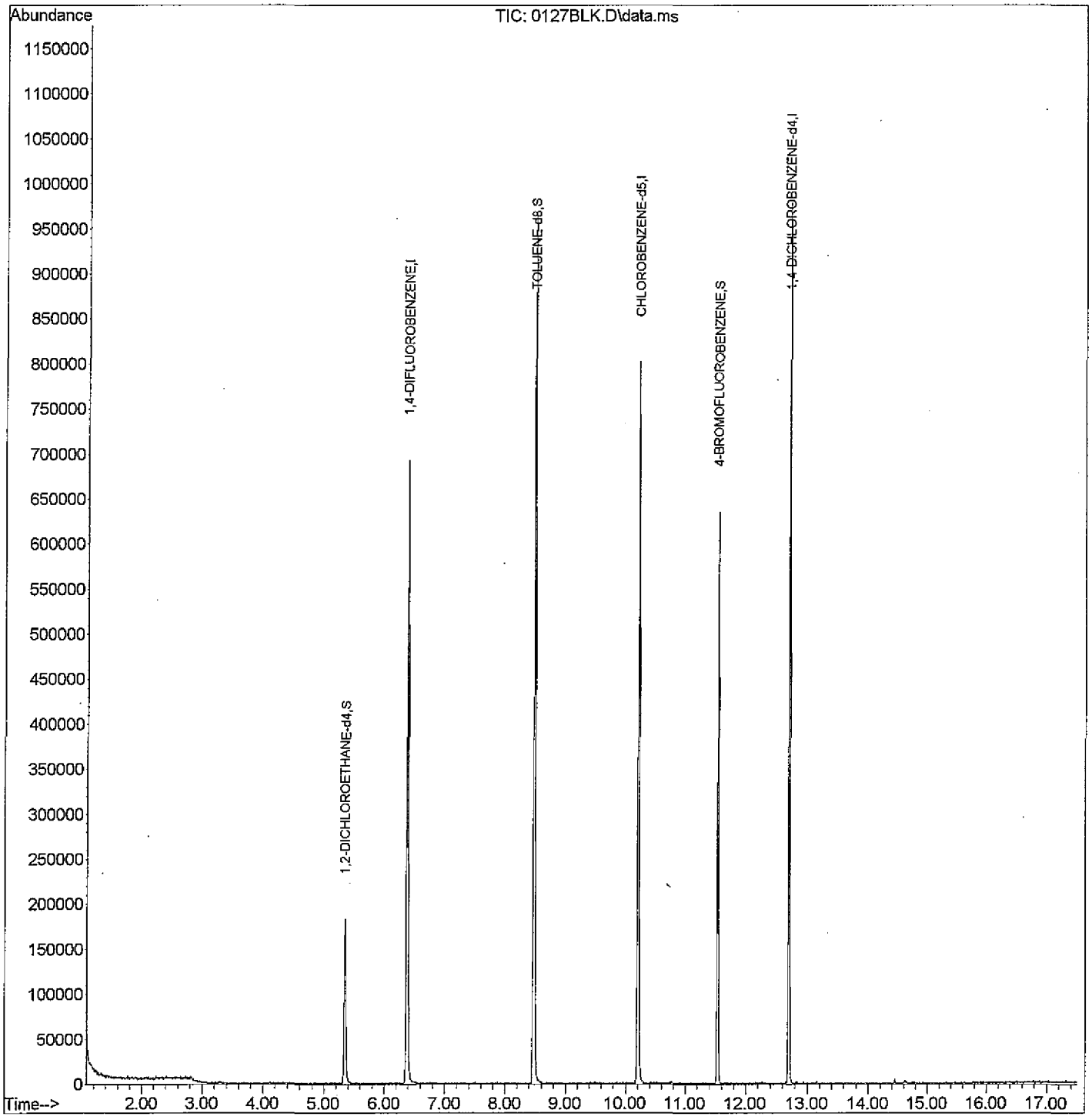
Target Compounds Qvalue

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

No TICs

Data Path : D:\data\01272012\
Data File : 0127BLK.D
Acq On : 27 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 13:10:30 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration



LSC Area Percent Report

Data Path : D:\data\01272012\
Data File : 0127BLK.D
Acq On : 27 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 0127BL

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.349	1125	1138	1156	rBV2	183249	350528	20.88%	5.304%
2	6.380	1399	1413	1432	rBV	693016	1227236	73.10%	18.571%
3	8.475	1960	1972	1990	rBV2	967088	1678807	100.00%	25.405%
4	10.200	2417	2432	2451	rBV	802938	1361644	81.11%	20.605%
5	11.530	2777	2787	2802	rVB	636746	831819	49.55%	12.588%
6	12.700	3090	3099	3109	rBV	979537	1158197	68.99%	17.527%

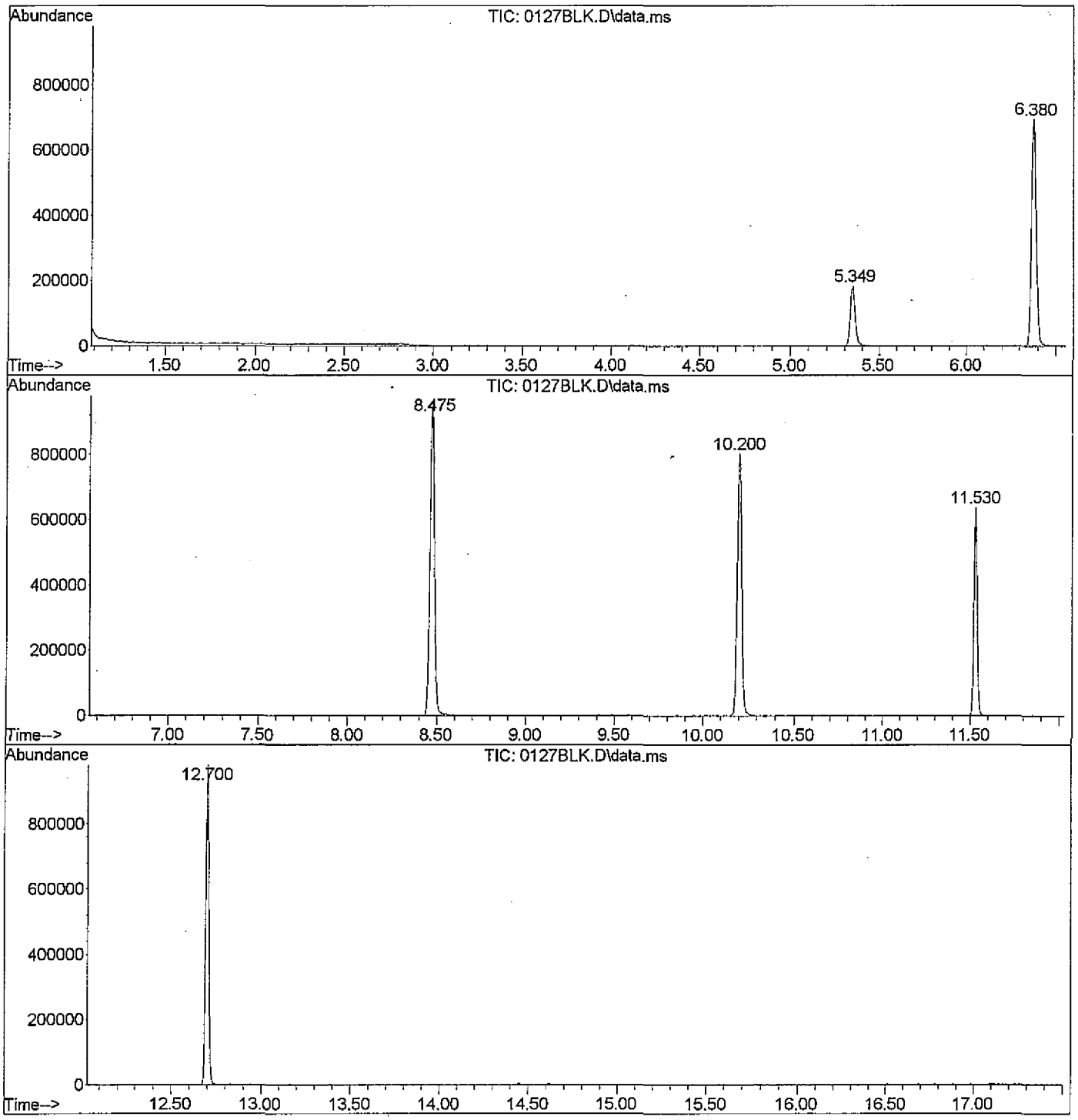
Sum of corrected areas: 6608231

DIM0218843 DIM0219020

Data Path : D:\data\01272012\
Data File : 0127BLK.D
Acq On : 27 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01272012\
Data File : 0127BLK.D
Acq On : 27 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) Summary

Data Path : D:\data\01272012\
Data File : 0127BLK.D
Acq On : 27 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

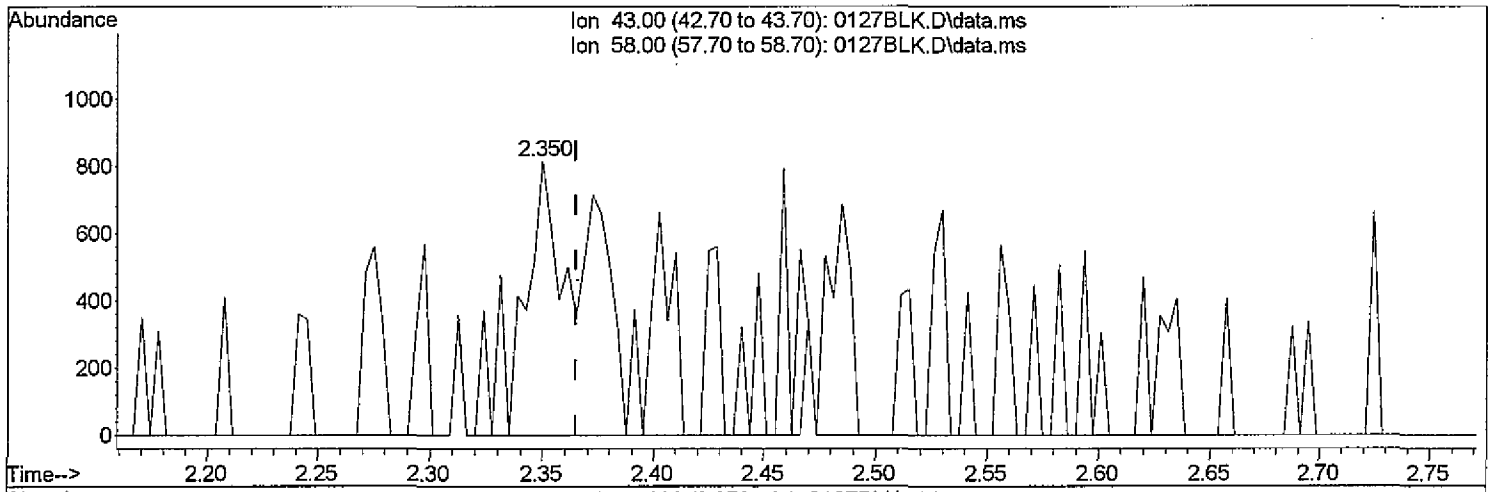
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

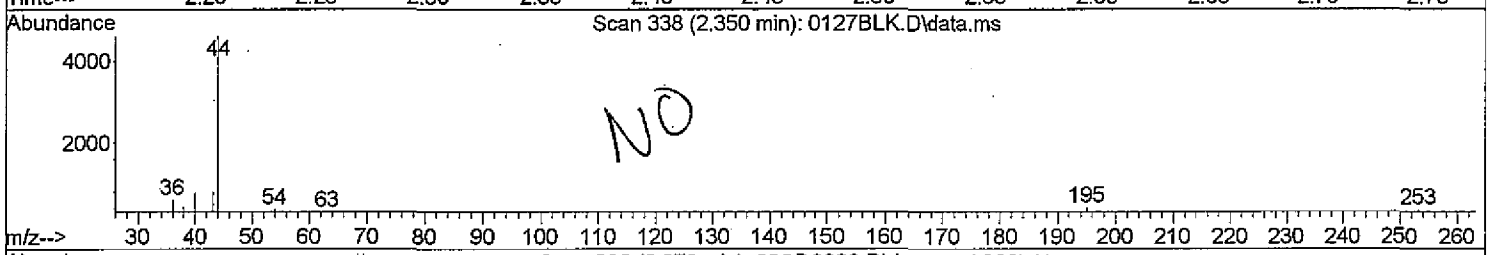
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

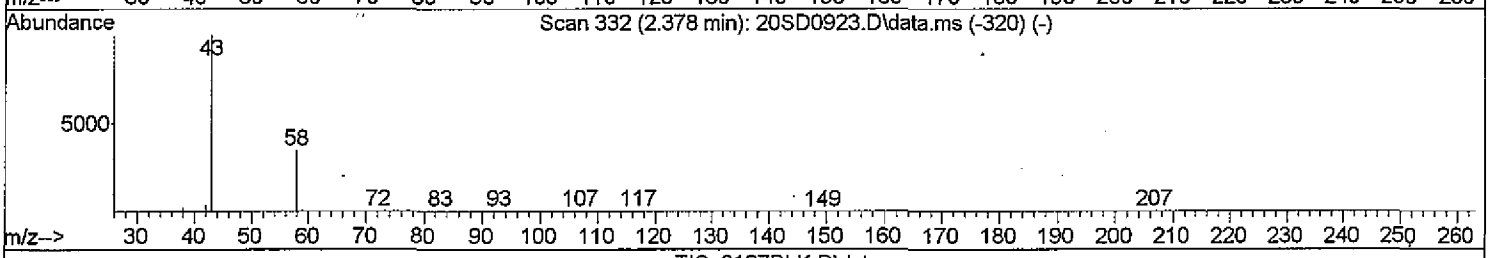
Quantitation Report (Qedit)

Data Path : D:\data\01272012\
Data File : 0127BLK.D
Acq On : 27 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 13:10:14 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 0127BLK.D\data.ms

(8) ACETONE (TMCP)

2.350min (-0.015) 0.33ug/L

response 1515

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 0130BLK.D
Acq On : 30 Jan 2012 1:05 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 30 14:00:21 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	488011	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	421681	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	176212	4.00 ug/L	0.00

System Monitoring Compounds

24) 1,2-DICHLOROETHANE-d4	5.345	65	105193	4.03 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 100.75%	
42) TOLUENE-d8	8.472	98	568249	3.75 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 93.75%	
60) 4-BROMOFLUOROBENZENE	11.531	95	158042	3.73 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 93.25%	

Target Compounds Qvalue

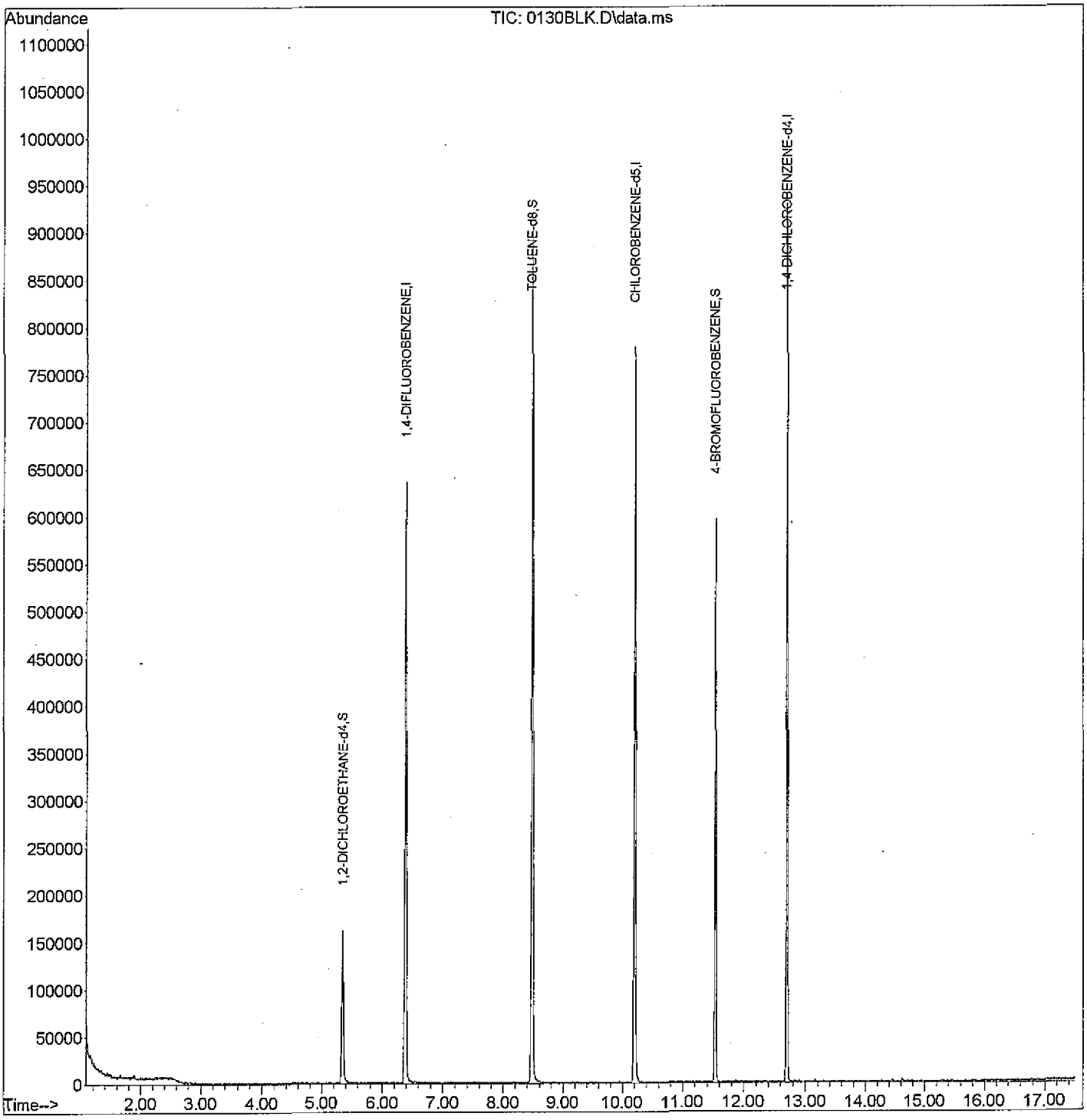
(#) = qualifier out of range (m) = manual integration (+) = signals summed

No TICs

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 0130BLK.D
Acq On : 30 Jan 2012 1:05 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 30 14:00:21 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration



Data Path : D:\data\01302012\
Data File : 0130BLK.D
Acq On : 30 Jan 2012 1:05 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 0130BL

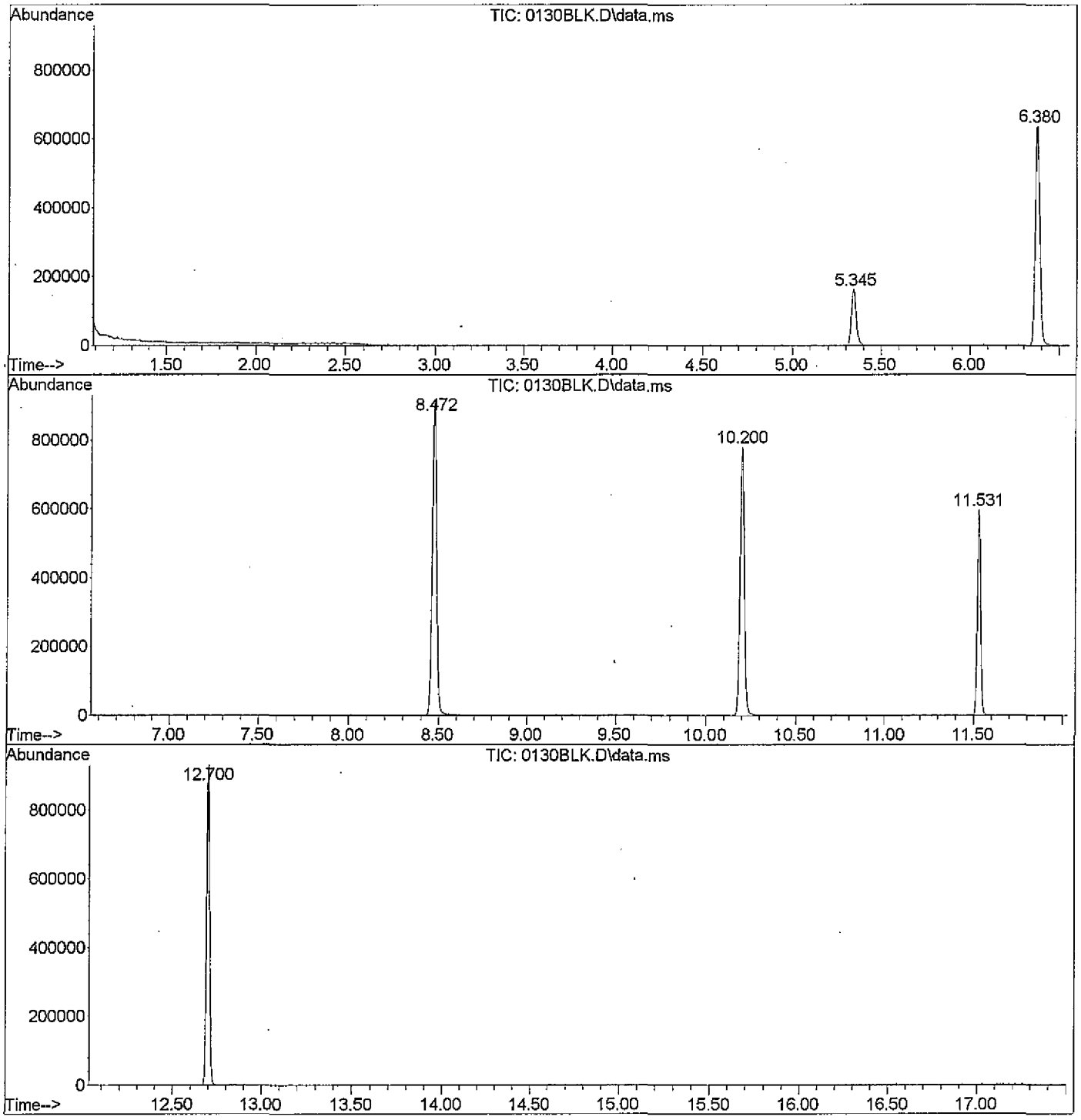
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.345	1125	1137	1153	rBV3	162293	307906	19.82%	4.964%
2	6.380	1398	1413	1431	rBV	636625	1134654	73.05%	18.294%
3	8.472	1958	1971	1990	rBV	907132	1553309	100.00%	25.045%
4	10.200	2417	2432	2457	rVB2	779491	1298709	83.61%	20.940%
5	11.531	2777	2787	2805	rBV2	596718	794016	51.12%	12.802%
6	12.700	3090	3099	3111	rBV	930378	1113575	71.69%	17.955%

Sum of corrected areas: 6202169

Data Path : D:\data\01302012\
Data File : 0130BLK.D
Acq On : 30 Jan 2012 1:05 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01302012\
Data File : 0130BLK.D
Acq On : 30 Jan 2012 1:05 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) Summary

Data Path : D:\data\01302012\
Data File : 0130BLK.D
Acq On : 30 Jan 2012 1:05 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

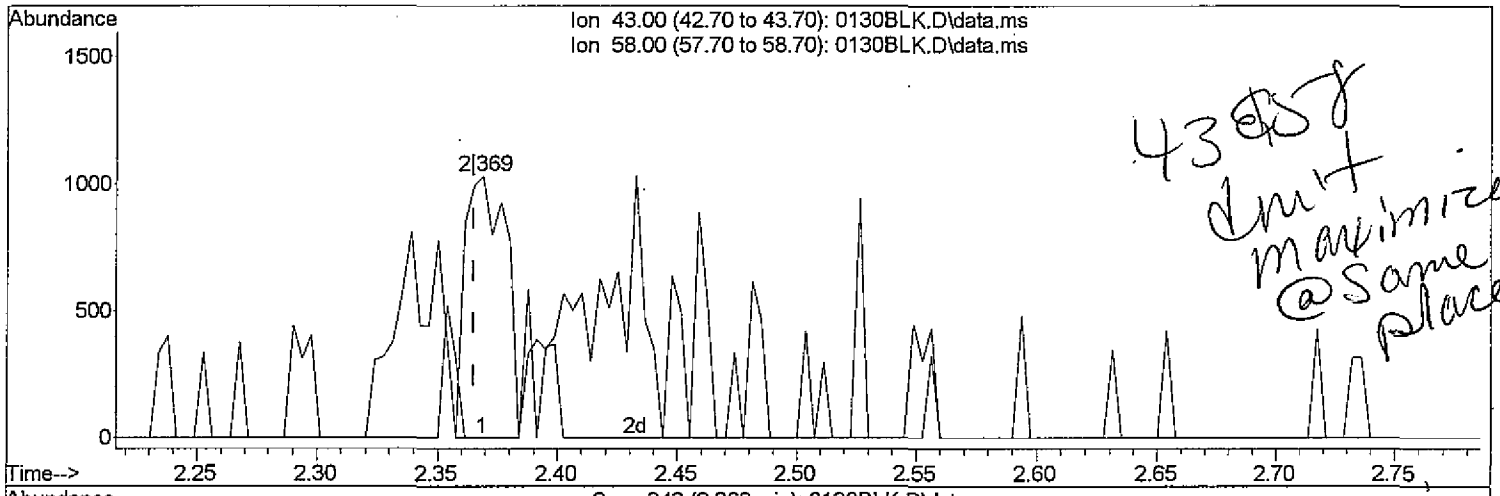
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

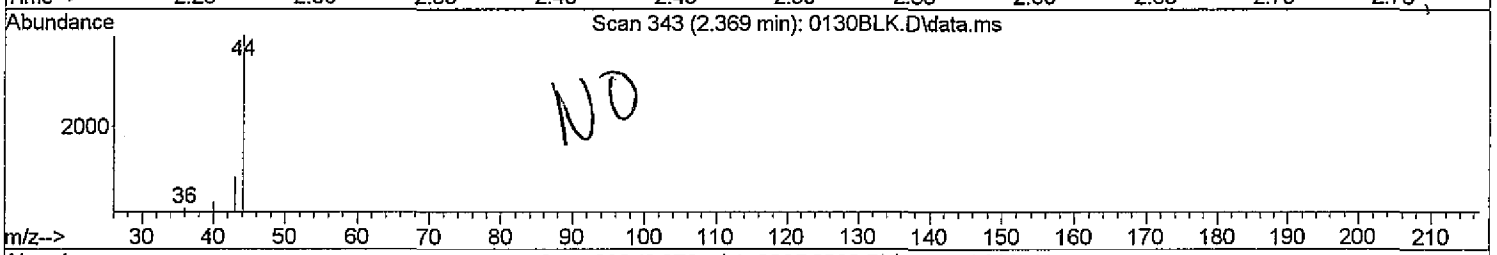
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

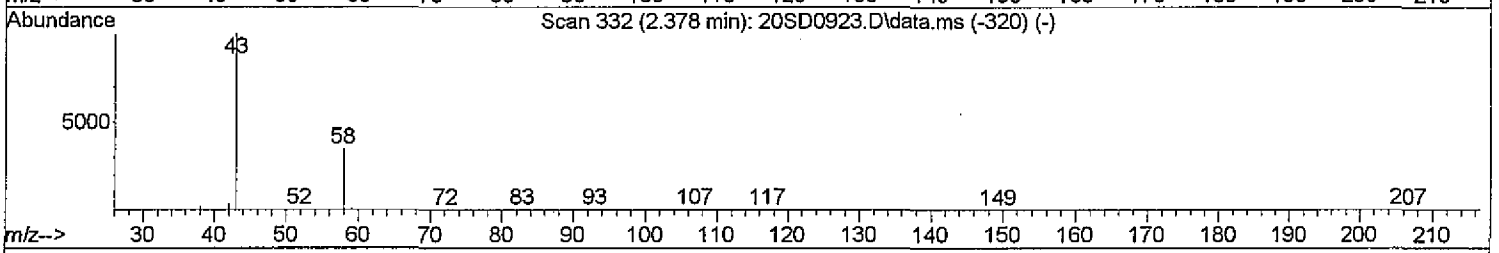
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

Data Path : D:\data\01302012\
Data File : 0130BLK.D
Acq On : 30 Jan 2012 1:05 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 30 13:59:40 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 0130BLK.D\data.ms

(8) ACETONE (TMCP)

2.369min (+0.004) 0.29ug/L

response 1209

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 0131BLK.D
Acq On : 31 Jan 2012 1:31 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 14:14:34 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	450403	4.00	ug/L	0.00
38) CHLOROBENZENE-d5	10.203	117	417675	4.00	ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	173584	4.00	ug/L	0.00

System Monitoring Compounds						
24) 1,2-DICHLOROETHANE-d4	5.349	65	104338	4.33	ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 108.25%			
42) TOLUENE-d8	8.472	98	540886	3.60	ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 90.00%			
60) 4-BROMOFLUOROBENZENE	11.531	95	157701	3.78	ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 94.50%			

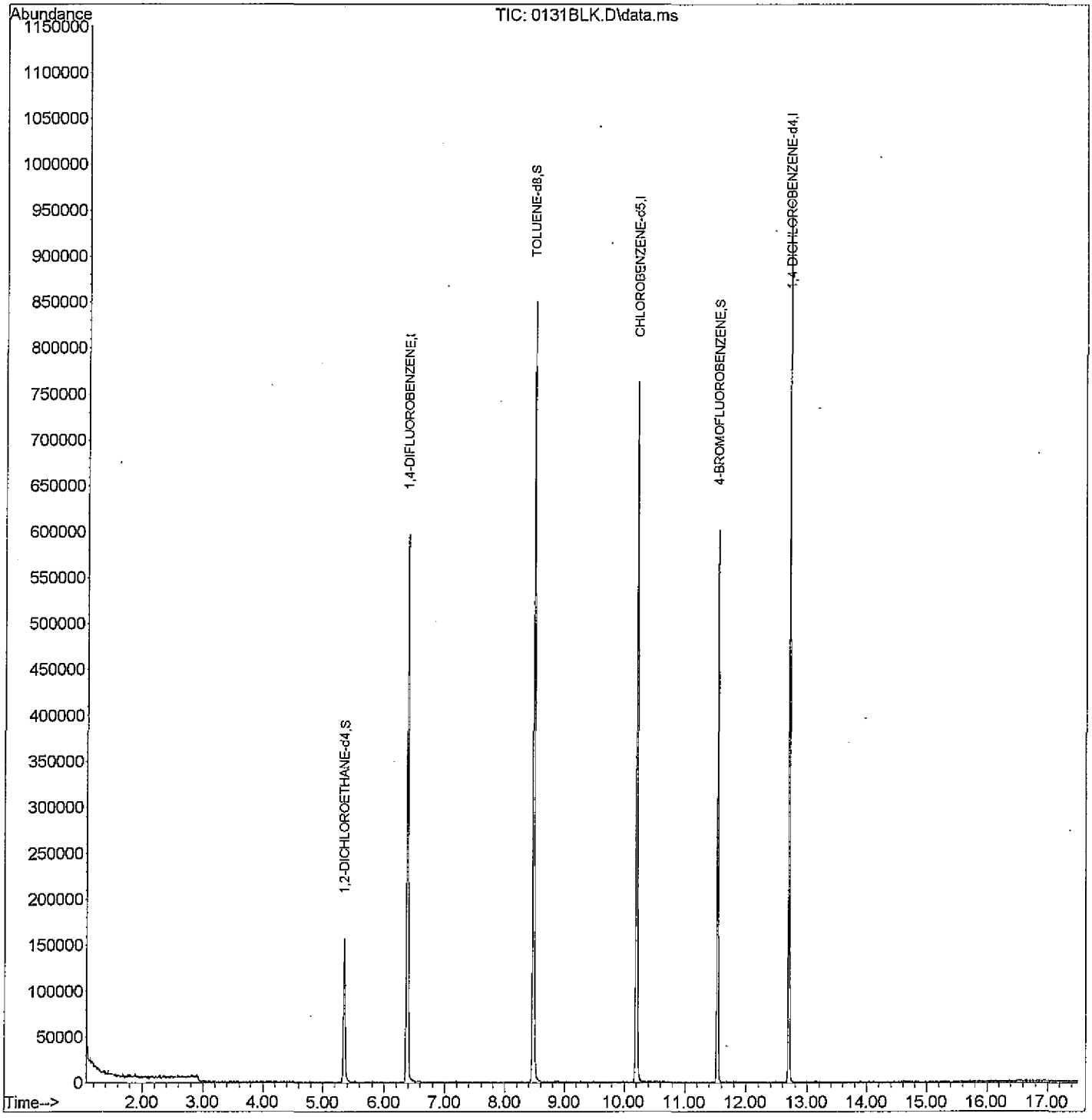
Target Compounds	Qvalue

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

No TICs

Data Path : D:\data\01312012\
Data File : 0131BLK.D
Acq On : 31 Jan 2012 1:31 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 14:14:34 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



LSC Area Percent Report

Data Path : D:\data\01312012\
Data File : 0131BLK.D
Acq On : 31 Jan 2012 1:31 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 0131BL

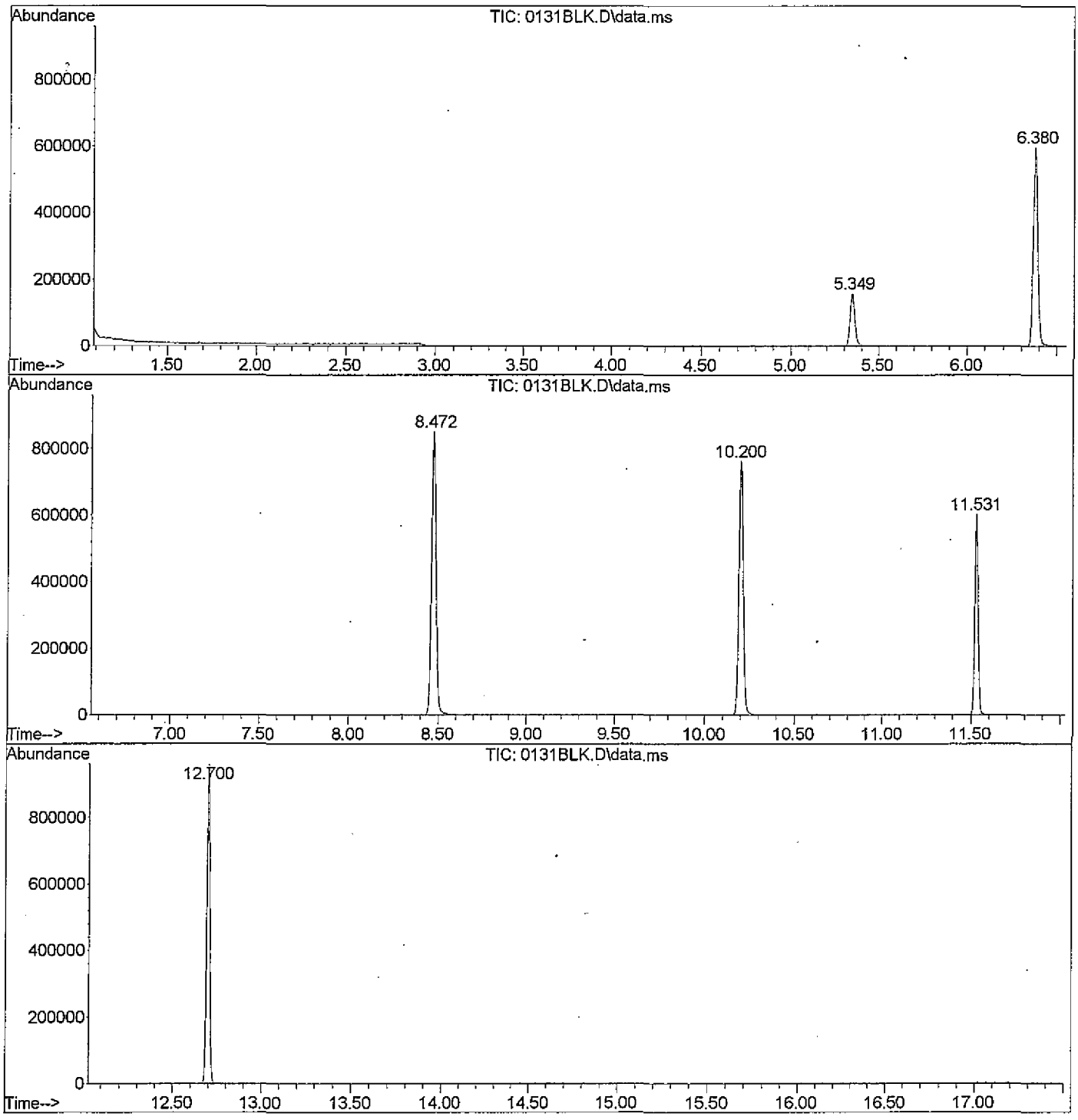
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.349	1127	1138	1156	rBV2	157258	301617	20.44%	5.010%
2	6.380	1401	1413	1434	rBV	597795	1044255	70.78%	17.345%
3	8.472	1958	1971	1992	rBV	850486	1475359	100.00%	24.505%
4	10.200	2421	2432	2452	rBV2	763802	1292033	87.57%	21.460%
5	11.531	2777	2787	2803	rVB	602370	793134	53.76%	13.174%
6	12.700	3090	3099	3111	rBV	959148	1114163	75.52%	18.506%

Sum of corrected areas: 6020561

Data Path : D:\data\01312012\
Data File : 0131BLK.D
Acq On : 31 Jan 2012 1:31 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01312012\
Data File : 0131BLK.D
Acq On : 31 Jan 2012 1:31 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) Summary

Data Path : D:\data\01312012\
Data File : 0131BLK.D
Acq On : 31 Jan 2012 1:31 pm
Operator : SCW OBB-AG5975
Sample : Batch-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

Path : D:\data\01242012\
Data File : 0124BLK.D
Acq On : 24 Jan 2012 7:29 pm
Operator : SCW OBB-AG5975
Sample : Blank-BLK
Misc :
ALS Vial : 10 Sample Multiplier: 1

No samples analyzed this date.

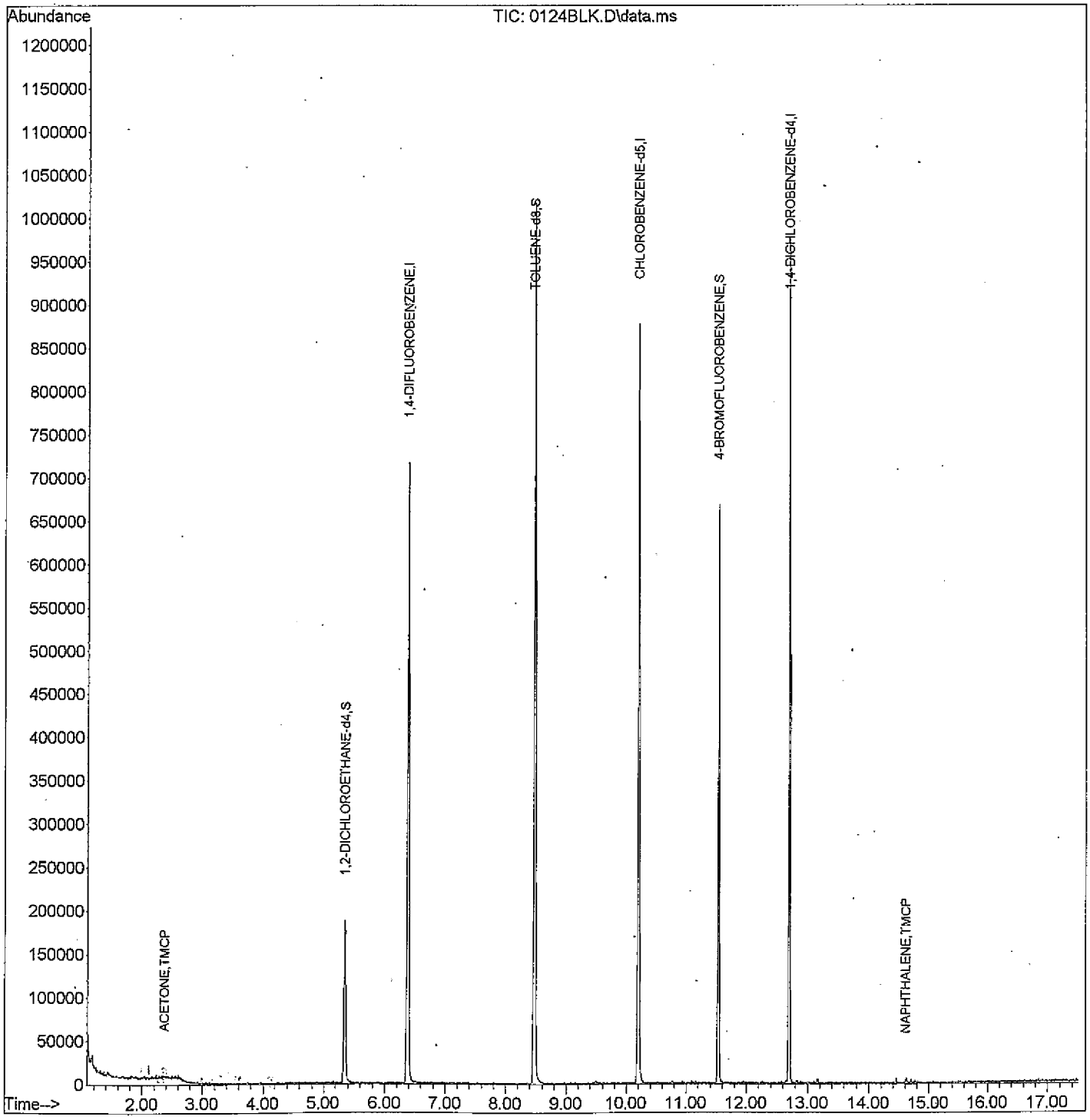
Quant Time: Jan 26 14:39:07 2012 ✓
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Jan 26 13:38:01 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	570925	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	465001	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.696	152	190486	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.342	65	123206	4.03 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 100.75%		
42) TOLUENE-d8	8.472	98	654454	3.91 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 97.75%		
60) 4-BROMOFLUOROBENZENE	11.531	95	176691	3.85 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 96.25%		
Target Compounds					Qvalue
8) ACETONE	2.384	43	3458m	0.71 ug/L	J
76) NAPHTHALENE	14.619	128	1963	0.05 ug/L #	J 69

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

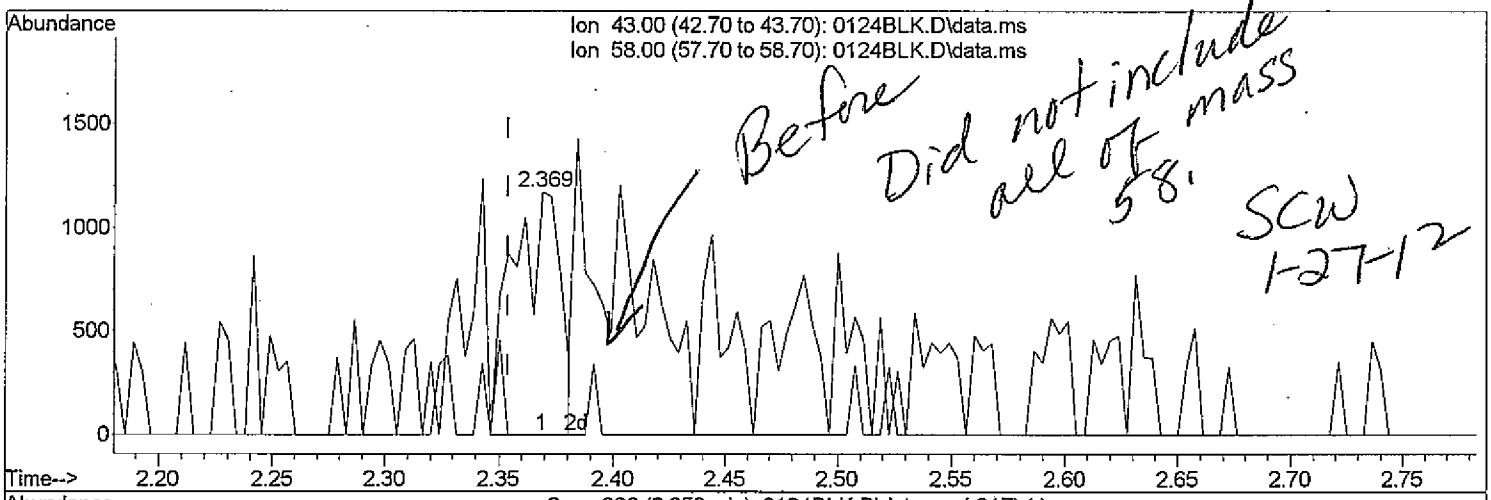
Data Path : D:\data\01242012\
Data File : 0124BLK.D
Acq On : 24 Jan 2012 7:29 pm
Operator : SCW OBB-AG5975
Sample : Blank-BLK
Misc :
ALS Vial : 10 Sample Multiplier: 1

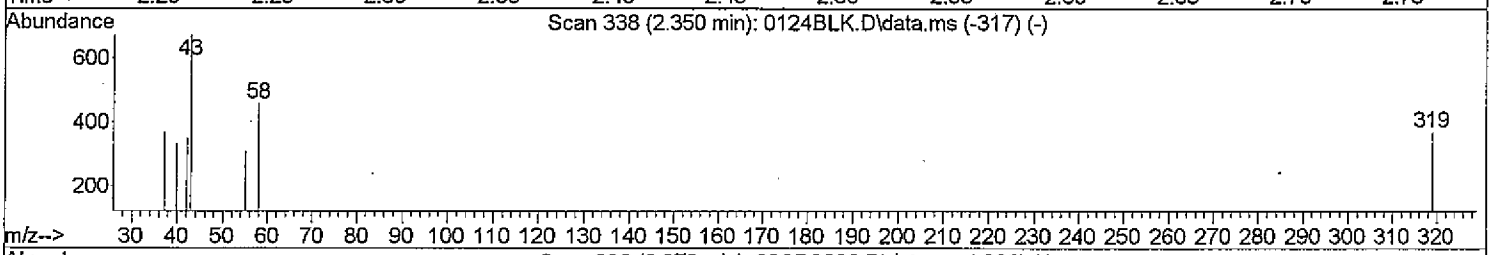
Quant Time: Jan 26 14:39:07 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Jan 26 13:38:01 2012
Response via : Initial Calibration

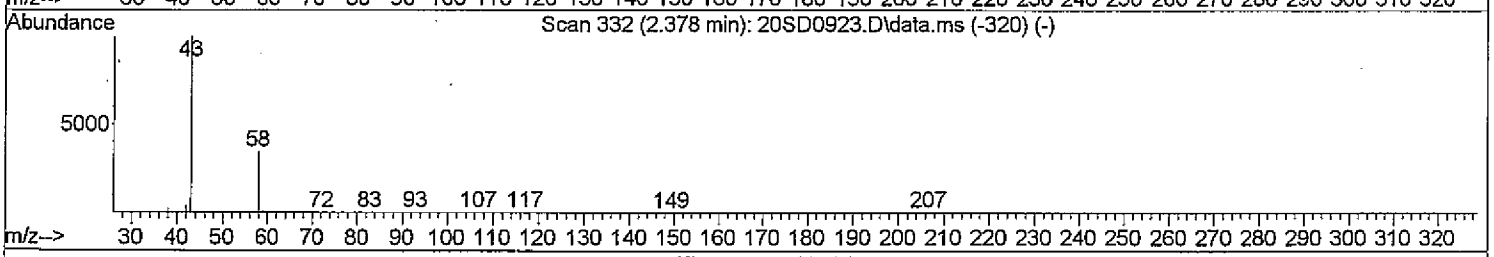


Data Path : D:\data\01242012\
Data File : 0124BLK.D
Acq On : 24 Jan 2012 7:29 pm
Operator : SCW OBB-AG5975
Sample : Blank-BLK
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 26 14:38:02 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Jan 26 13:38:01 2012
Response via : Initial Calibration







TIC: 0124BLK.D\data.ms

(8) ACETONE (TMCP)

2.369min (+0.015) 0.34ug/L

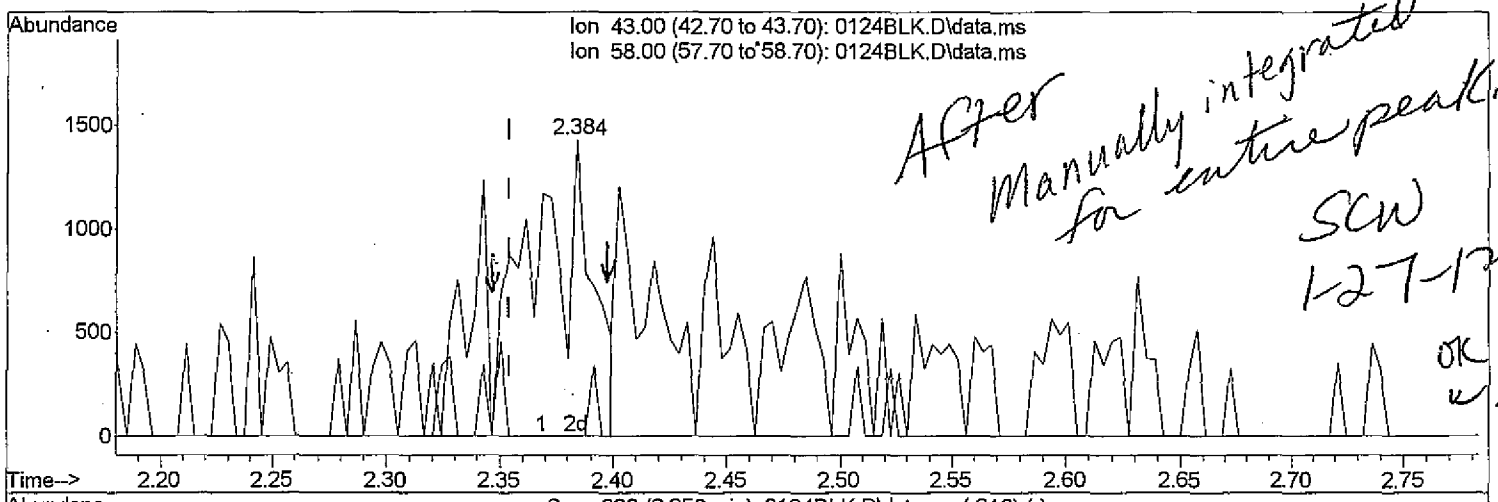
response 1679

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qual)

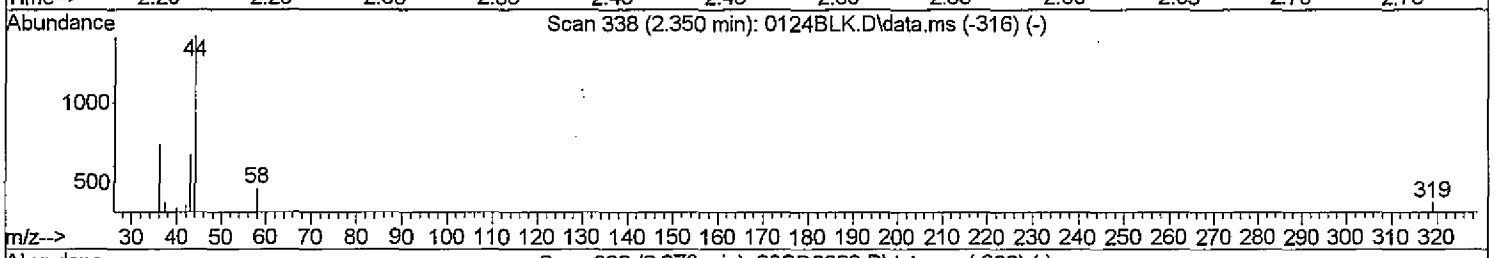
Data Path : D:\data\01242012\
Data File : 0124BLK.D
Acq On : 24 Jan 2012 7:29 pm
Operator : SCW OBB-AG5975
Sample : Blank-BLK
Misc :
ALS Vial : 10 Sample Multiplier: 1

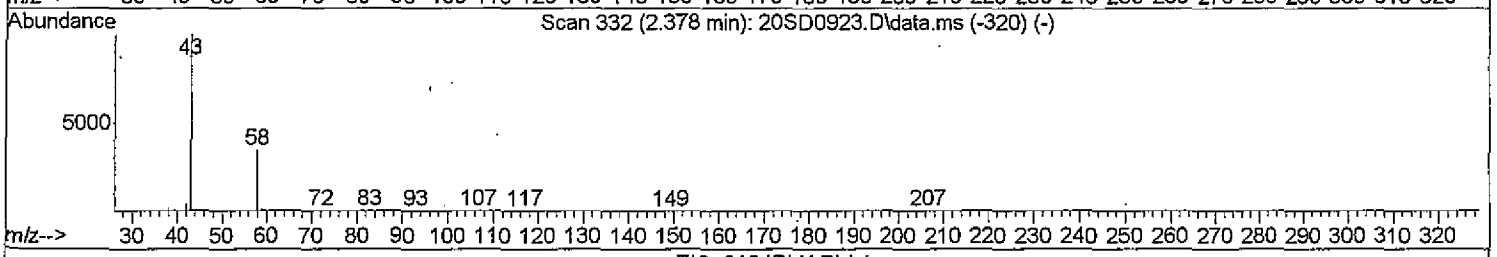
Quant Time: Jan 26 14:38:02 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Jan 26 13:38:01 2012
Response via : Initial Calibration



After manually integrated for entire peak. SCW 1-27-12

OK





TIC: 0124BLK.D\data.ms

(8) ACETONE (TMCP)

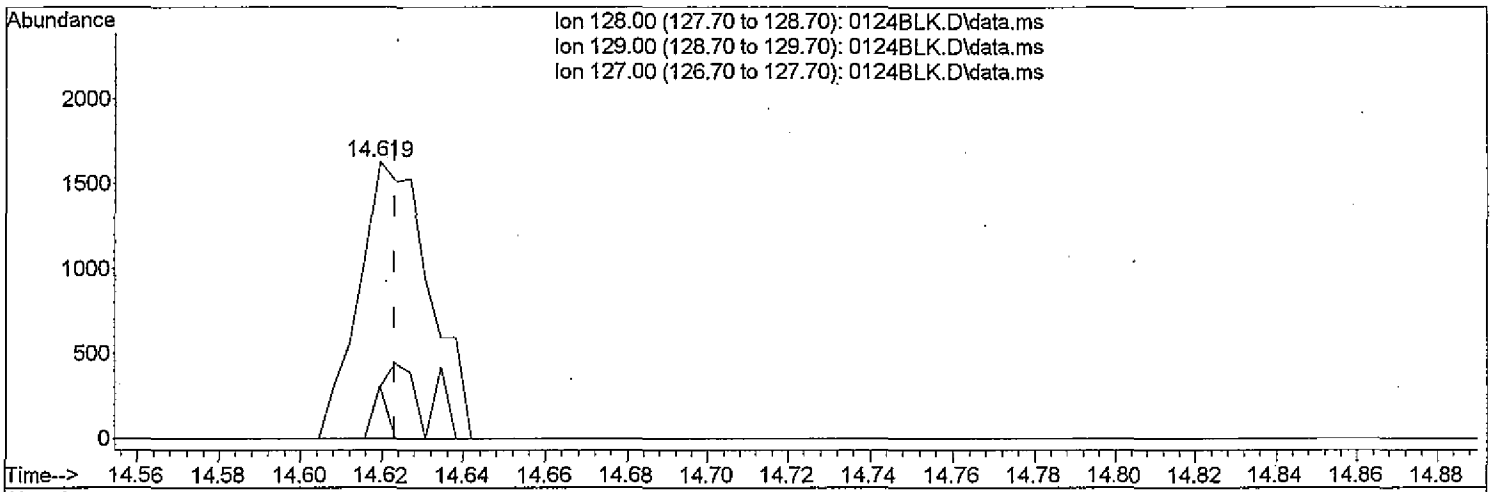
2.384min (+0.030) 0.71ug/L m

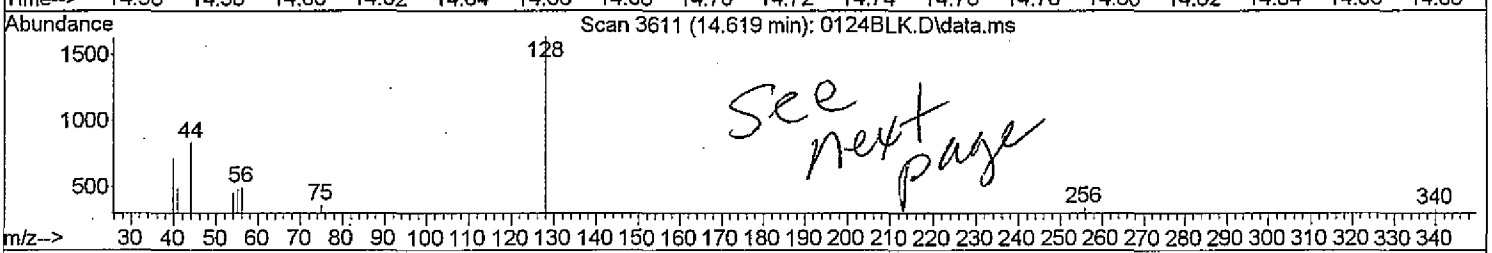
response 3458

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

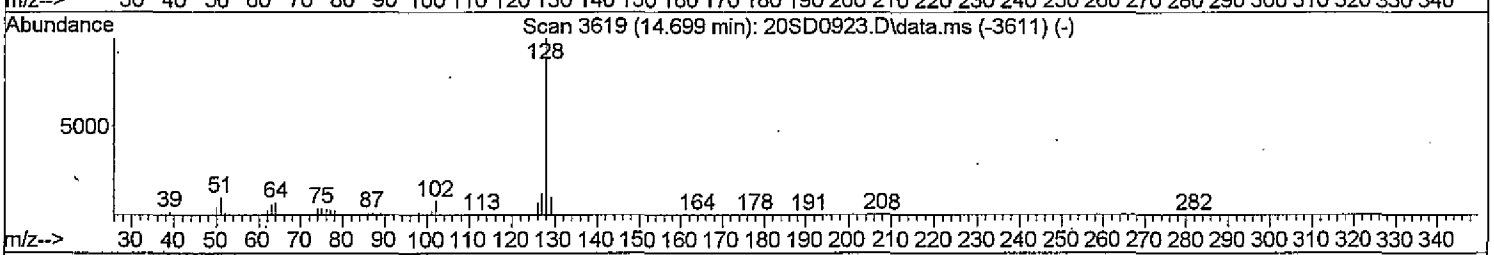
Data Path : D:\data\01242012\
Data File : 0124BLK.D
Acq On : 24 Jan 2012 7:29 pm
Operator : SCW OBB-AG5975
Sample : Blank-BLK
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 26 14:38:02 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Jan 26 13:38:01 2012
Response via : Initial Calibration





See next page



TIC: 0124BLK.D\data.ms

(76) NAPHTHALENE (TMCP)

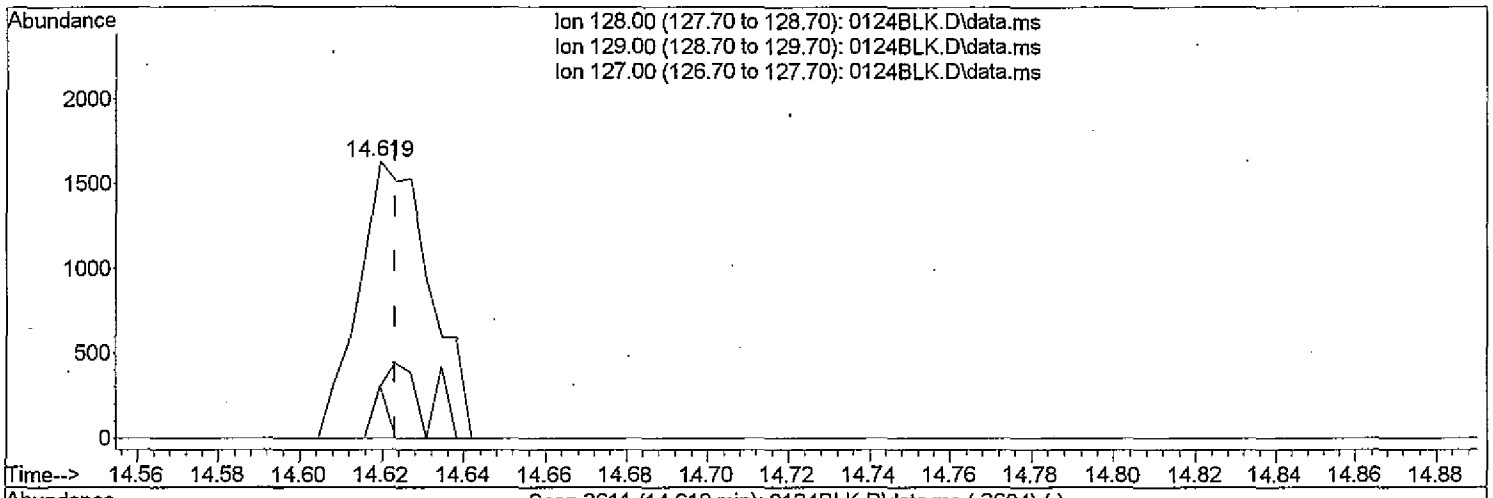
14.619min (-0.004) 0.05ug/L

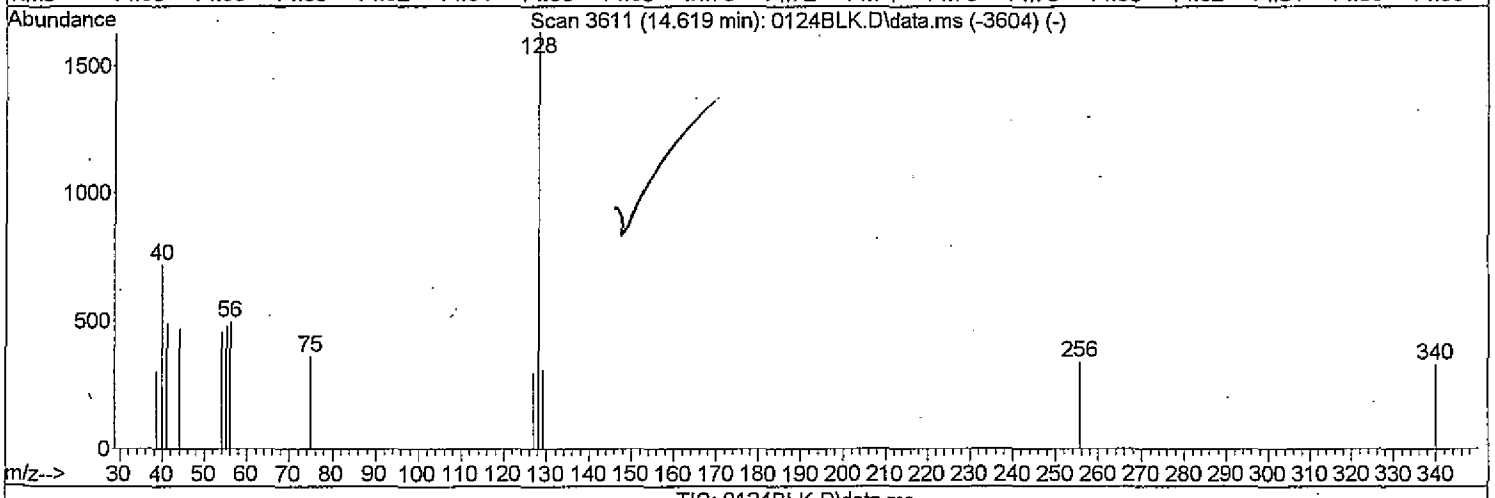
response 1963

Ion	Exp%	Act%
128.00	100	100
129.00	10.90	0.00#
127.00	12.70	0.00#
0.00	0.00	0.00

: D:\data\01242012\
ile : 0124BLK.D
on : 24 Jan 2012 7:29 pm
perator : SCW OBB-AG5975
Sample : Blank-BLK
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 26 14:38:02 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Jan 26 13:38:01 2012
Response via : Initial Calibration





TIC: 0124BLK.D\data.ms

(76) NAPHTHALENE (TMCP)

14.619min (-0.004) 0.05ug/L

response 1963

Ion	Exp%	Act%
128.00	100	100
129.00	10.90	0.00#
127.00	12.70	0.00#
0.00	0.00	0.00

Quantification Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : 0202BLK.D
Acq On : 2 Feb 2012 11:56 am
Operator : SCW OBB-AG5975
Sample : BATCH-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 02 12:41:39 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	408735	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.203	117	390948	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	165761	4.00 ug/L	0.00

System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	93660	4.28 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 107.00%	
42) TOLUENE-d8	8.475	98	501528	3.57 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 89.25%	
60) 4-BROMOFLUOROBENZENE	11.530	95	148791	3.73 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 93.25%	

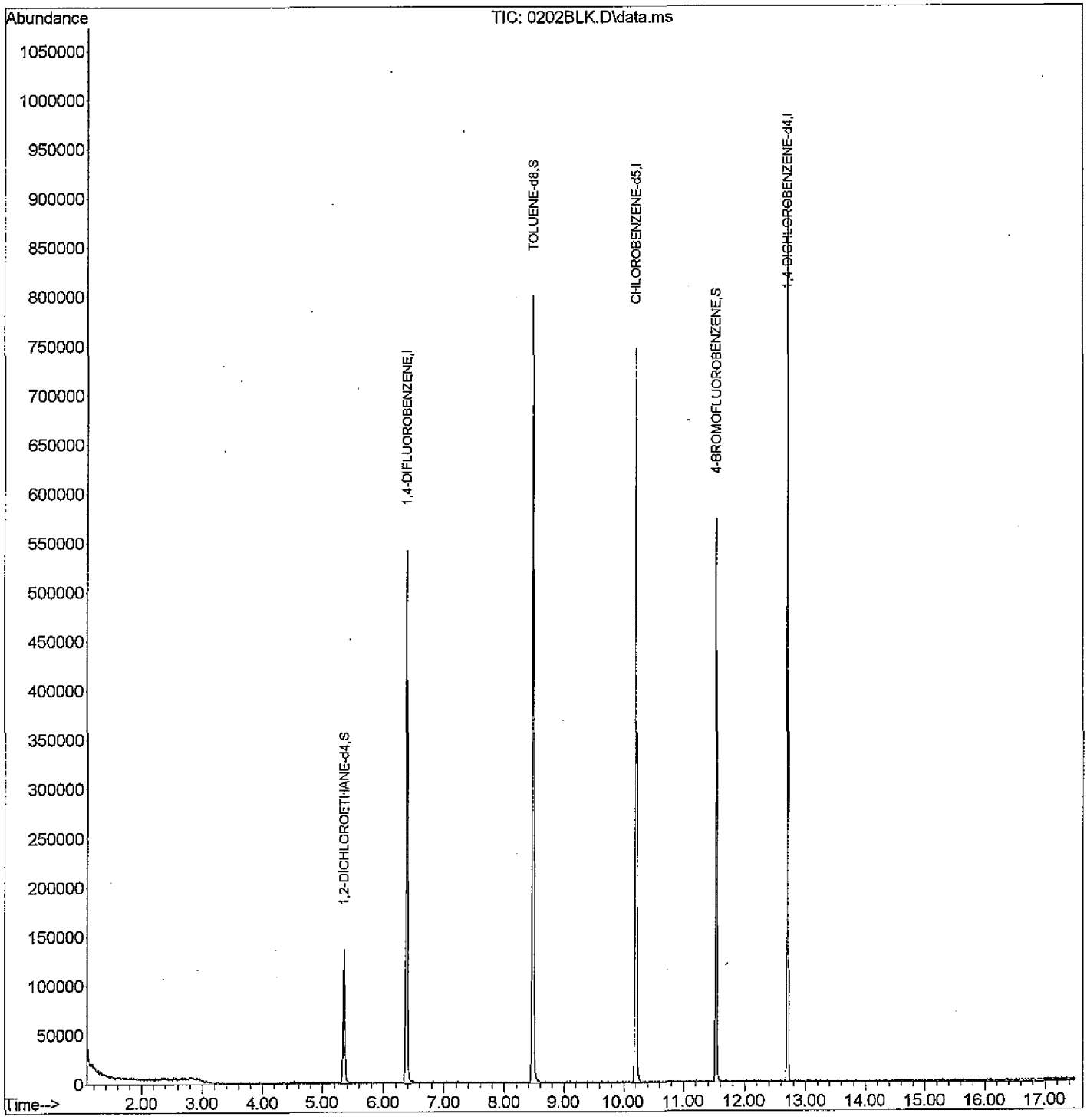
Target Compounds Qvalue

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

No TICs

Data Path : D:\data\02022012\
Data File : 0202BLK.D
Acq On : 2 Feb 2012 11:56 am
Operator : SCW OBB-AG5975
Sample : BATCH-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 02 12:41:39 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Thu Feb 02 10:20:10 2012
Response via : Initial Calibration



Data Path : D:\data\02022012\
Data File : 0202BLK.D
Acq On : 2 Feb 2012 11:56 am
Operator : SCW OBB-AG5975
Sample : BATCH-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 0202BL

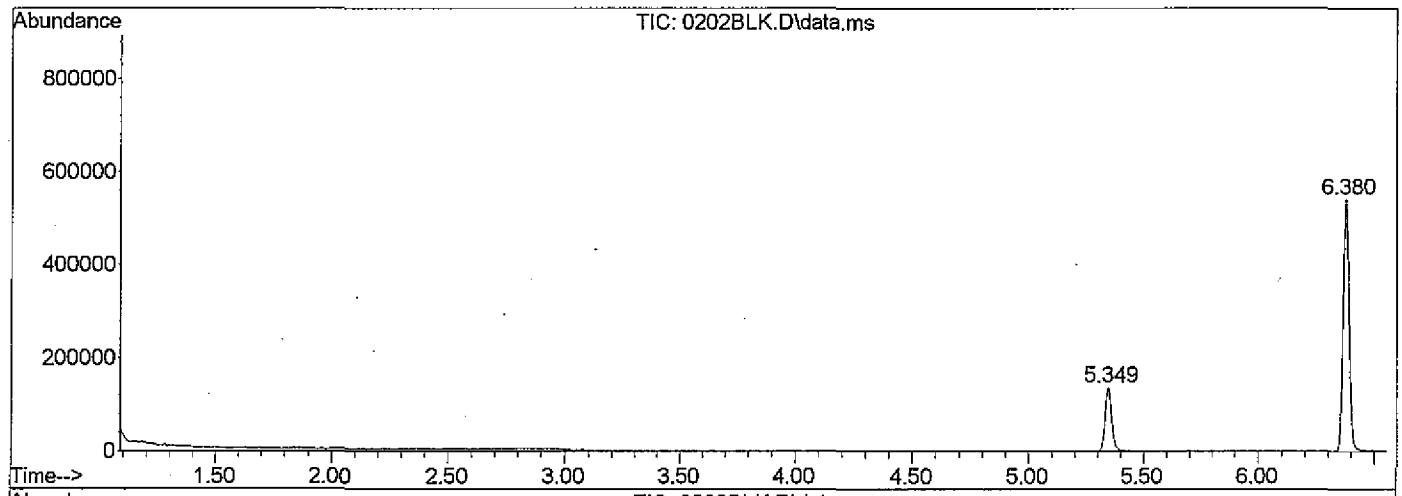
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.349	1121	1138	1156	rBV2	135749	270345	19.55%	4.756%
2	6.380	1398	1413	1433	rBV	541828	962137	69.57%	16.926%
3	8.475	1959	1972	1992	rBV	800366	1383000	100.00%	24.330%
4	10.200	2417	2432	2453	rBV	746346	1233091	89.16%	21.693%
5	11.530	2773	2787	2804	rBB	573207	758436	54.84%	13.343%
6	12.700	3090	3099	3113	rBV	894166	1077288	77.90%	18.952%

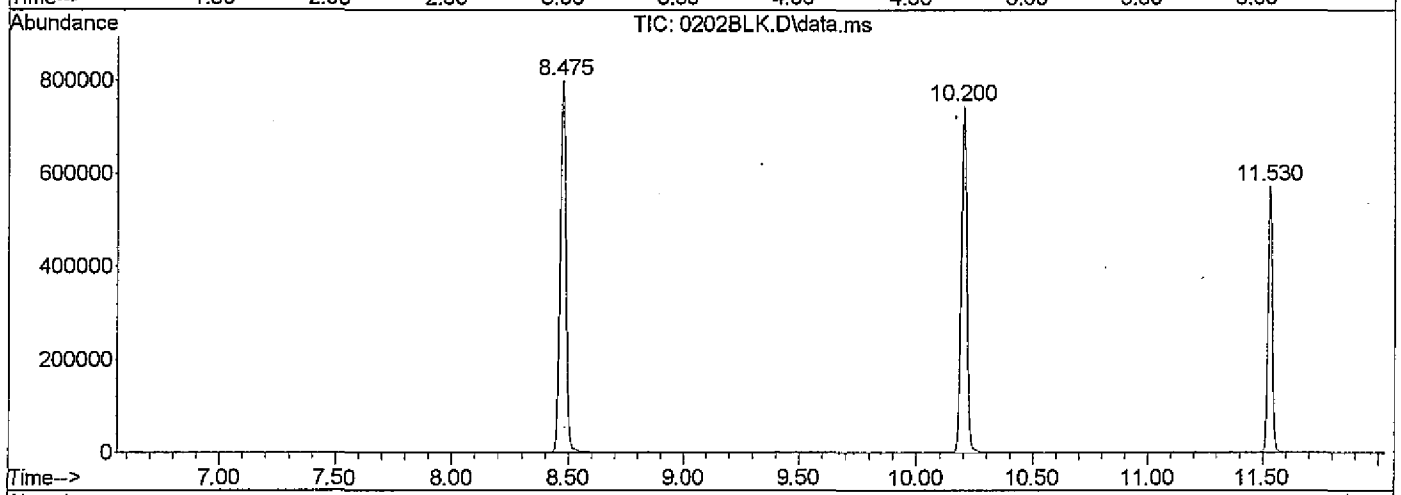
Sum of corrected areas: 5684297

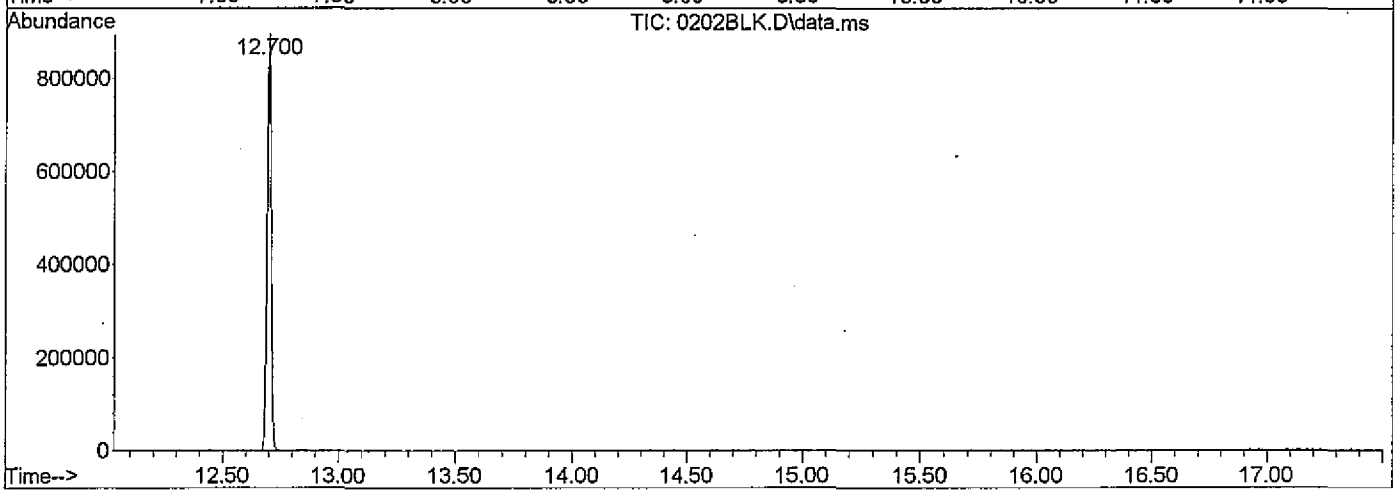
Data Path : D:\data\02022012\
Data File : 0202BLK.D
Acq On : 2 Feb 2012 11:56 am
Operator : SCW OBB-AG5975
Sample : BATCH-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Data Path : D:\data\02022012\
Data File : 0202BLK.D
Acq On : 2 Feb 2012 11:56 am
Operator : SCW OBB-AG5975
Sample : BATCH-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) Summary

Data Path : D:\data\02022012\
Data File : 0202BLK.D
Acq On : 2 Feb 2012 11:56 am
Operator : SCW OBB-AG5975
Sample : BATCH-BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C05.D
Acq On : 24 Jan 2012 5:16 pm
Operator : SCW OBB-AG5975
Sample : 5ppb STD, 2.5uL to 100mL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 26 17:17:34 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:37:22 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	598536	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	478672	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	215567	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.341	65	125789	4.24 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 106.00%		
42) TOLUENE-d8	8.472	98	690827	3.90 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 97.50%		
60) 4-BROMOFLUOROBENZENE	11.530	95	200622	3.91 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 97.75%		

Target Compounds					Qvalue
2) DICHLORODIFLUOROMETHANE	1.203	85	147774	5.29 ug/L	99
3) CHLOROMETHANE	1.308	50	290505	5.80 ug/L	100
4) VINYL CHLORIDE	1.417	62	269983	5.15 ug/L	97
5) BROMOMETHANE	1.664	94	114088	4.17 ug/L	99
6) CHLOROETHANE	1.769	64	170648	5.01 ug/L	99
7) TRICHLOROFLUOROMETHANE	2.189	101	347547	4.63 ug/L	100
8) ACETONE	2.350	43	24480m	4.74 ug/L	
9) 1,1-DICHLOROETHENE	2.642	96	158553	5.25 ug/L	97
10) ACRYLONITRILE	2.774	53	22571m	4.52 ug/L	
11) METHYLENE CHLORIDE	2.815	84	163577	5.84 ug/L #	85
12) Freon 113	2.890	101	164912	5.47 ug/L	89
13) CARBON DISULFIDE	2.927	76	531089	5.22 ug/L	99
14) METHYL ACETATE	2.946	43	44731	5.75 ug/L #	86
15) TRANS-1,2-DICHLOROETHENE	3.531	96	194918	5.38 ug/L	98
16) METHYL-TERT-BUTYL ETHER	3.718	73	201446	5.78 ug/L	95
17) 1,1-DICHLOROETHANE	3.805	63	363498	5.81 ug/L	99
18) VINYL ACETATE	4.089	43	130147	5.10 ug/L	99
19) 2-BUTANONE	4.386	43	23484	4.75 ug/L #	86
20) CIS-1,2-DICHLOROETHENE	4.457	96	199830	5.45 ug/L	99
21) BROMOCHLOROMETHANE	4.622	128	62312	5.19 ug/L #	77
22) CHLOROFORM	4.708	83	308596	5.47 ug/L	99
23) 2,2-DICHLOROPROPANE	4.768	77	187143	5.31 ug/L	97
25) 1,2-DICHLOROETHANE	5.435	62	152568	5.84 ug/L	98
26) 1,1,1-TRICHLOROETHANE	5.525	97	259313	5.05 ug/L	94
27) 1,1-DICHLOROPROPENE	5.765	75	236279	5.27 ug/L	97
28) CYCLOHEXANE	5.810	56	394923	7.50 ug/L	87
29) CARBON TETRACHLORIDE	5.919	117	207628	4.74 ug/L	99
30) BENZENE	5.997	78	776545	5.50 ug/L	99
31) DIBROMOMETHANE	6.635	93	55874	5.45 ug/L	86
32) 1,2-DICHLOROPROPANE	6.706	63	174356	5.79 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C05.D
Acq On : 24 Jan 2012 5:16 pm
Operator : SCW OBB-AG5975
Sample : 5ppb STD, 2.5uL to 100mL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 26 17:17:34 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:37:22 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
33) TRICHLOROETHENE	6.766	130	201606	4.97 ug/L	97
34) BROMODICHLOROMETHANE	6.818	83	176773	5.43 ug/L	97
35) METHYLCYCLOHEXANE	7.336	83	316376	5.73 ug/L	92
36) 2-CHLOROETHYLVINYL ETHER	7.471	63	22964	7.78 ug/L	94
37) CIS-1,3-DICHLOROPROPENE	7.639	75	182207	5.71 ug/L	98
39) 4-METHYL-2-PENTANONE	7.861	43	47532	4.43 ug/L #	76
40) TRANS-1,3-DICHLOROPROPENE	8.194	75	106808	5.31 ug/L	100
41) 1,1,2-TRICHLOROETHANE	8.325	97	81877	5.22 ug/L	98
43) TOLUENE	8.554	92	485675	4.93 ug/L	99
44) 1,3-DICHLOROPROPANE	8.625	76	153438	5.58 ug/L	100
45) CHLORODIBROMOMETHANE	8.865	129	90369	4.92 ug/L #	94
46) 2-HEXANONE	8.944	43	30245	4.25 ug/L #	95
47) 1,2-DIBROMOETHANE (EDB)	9.150	107	74272	5.32 ug/L	96
48) TETRACHLOROETHENE	9.409	164	136205	4.61 ug/L	97
49) 1,1,1,2-TETRACHLOROETHANE	10.158	131	134284	4.86 ug/L	96
50) CHLOROBENZENE	10.233	112	481342	4.80 ug/L	97
51) ETHYLBENZENE	10.526	91	871537	4.85 ug/L	99
52) BROMOFORM	10.743	173	41510	4.94 ug/L #	98
53) M-XYLENE/P-XYLENE	10.762	106	685901	9.09 ug/L	96
54) STYRENE	11.088	104	984426	9.63 ug/L	97
55) O-XYLENE	11.159	106	690074	8.92 ug/L	97
56) ISOPROPYLBENZENE	11.534	105	739213	4.55 ug/L	100
58) 1,1,2,2-TETRACHLOROETHANE	11.144	83	85765	5.02 ug/L	99
59) 1,2,3-TRICHLOROPROPANE	11.287	75	61141	5.62 ug/L	98
61) BROMOBENZENE	11.684	156	162711	4.60 ug/L	93
62) N-PROPYLBENZENE	11.950	91	968503	4.75 ug/L	98
63) 2-CHLOROTOLUENE	11.992	91	569602	4.73 ug/L	98
64) 4-CHLOROTOLUENE	12.070	91	562513	4.71 ug/L	98
65) 1,3,5-TRIMETHYLBENZENE	12.254	105	674449	4.45 ug/L	99
66) TERT-BUTYLBENZENE	12.456	119	577555	4.32 ug/L	99
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	680504	4.60 ug/L	100
68) SEC-BUTYLBENZENE	12.648	105	859154	4.36 ug/L	99
69) 1,3-DICHLOROBENZENE	12.659	146	355435	4.35 ug/L	99
70) 1,4-DICHLOROBENZENE	12.719	146	337013	4.45 ug/L	99
71) P-ISOPROPYLTOLUENE	12.828	119	651179	4.35 ug/L	98
72) 1,2-DICHLOROBENZENE	13.004	146	278107	4.55 ug/L	100
73) N-BUTYLBENZENE	13.161	91	618544	4.52 ug/L	99
74) 1,2-DIBROMO-3-CHLOROPR...	13.386	75	9235	4.90 ug/L	89
75) 1,2,4-TRICHLOROBENZENE	14.447	180	152604	4.28 ug/L #	98
76) NAPHTHALENE	14.623	128	238315	5.13 ug/L	98
77) HEXACHLOROBUTADIENE	14.698	225	96758	3.98 ug/L #	84
78) 1,2,3-TRICHLOROBENZENE	14.769	180	134387	4.56 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C05.D
Acq On : 24 Jan 2012 5:16 pm
Operator : SCW OBB-AG5975
Sample : 5ppb STD, 2.5uL to 100mL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 26 17:17:34 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:37:22 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

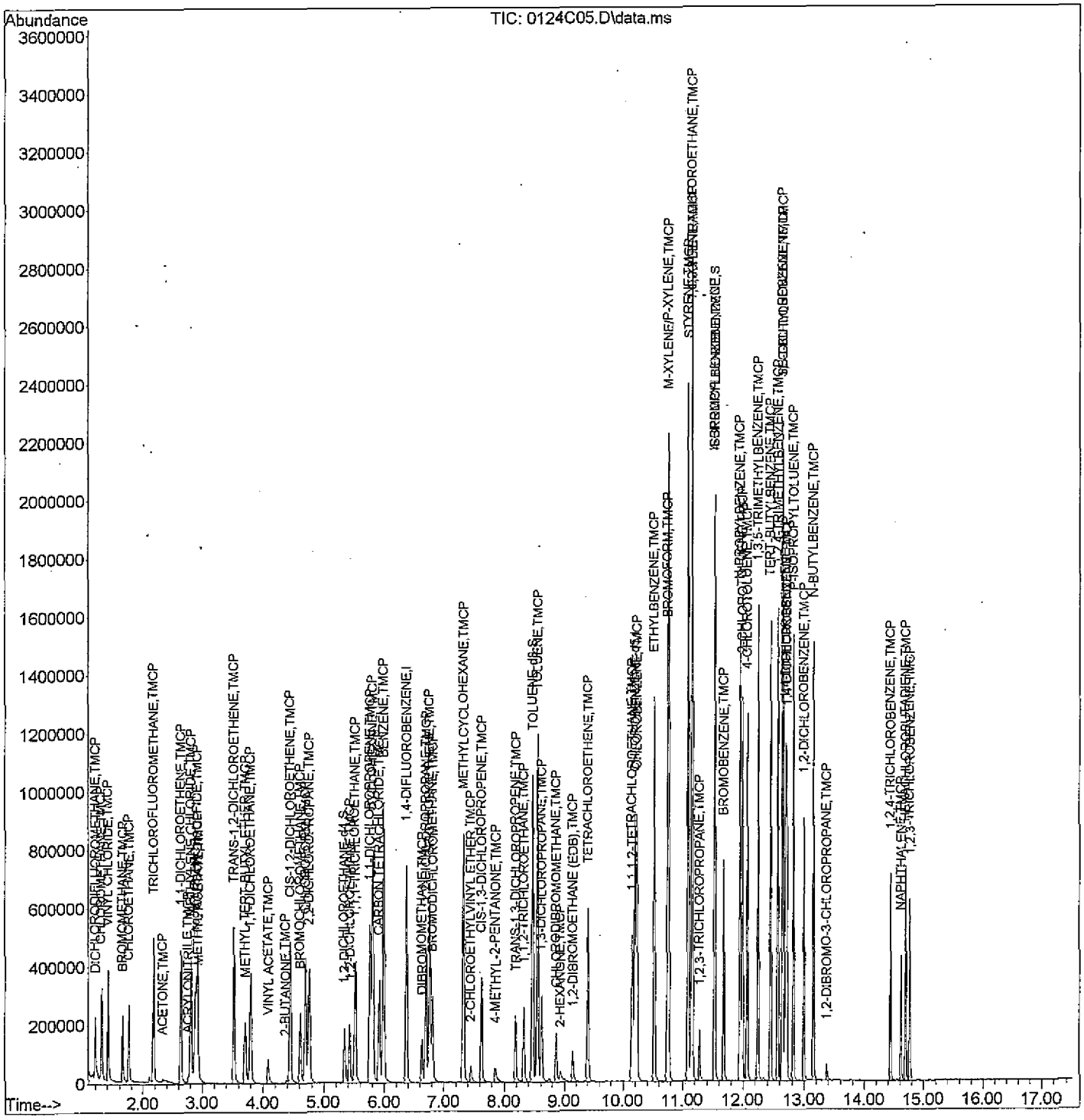
(#) = qualifier out of range (m) = manual integration (+) = signals summed

DIM0218843 DIM0219052

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C05.D
Acq On : 24 Jan 2012 5:16 pm
Operator : SCW OBB-AG5975
Sample : 5ppb STD, 2.5uL to 100mL
Misc :
ALS Vial : 5 Sample Multiplier: 1

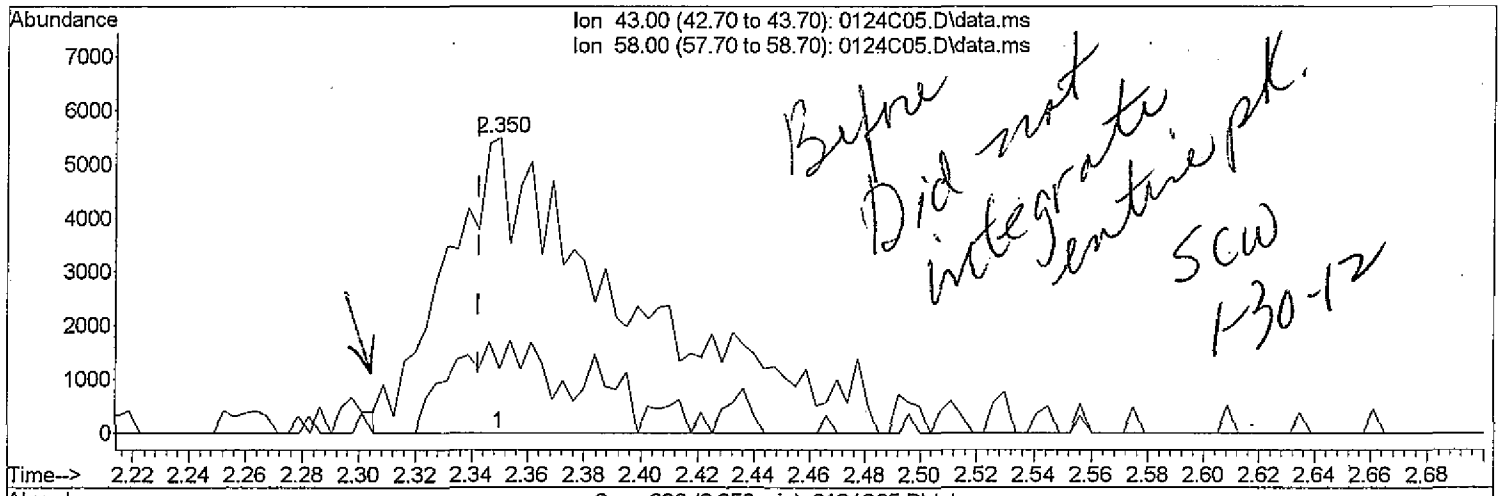
Quant Time: Jan 26 17:17:34 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:37:22 2012
Response via : Initial Calibration

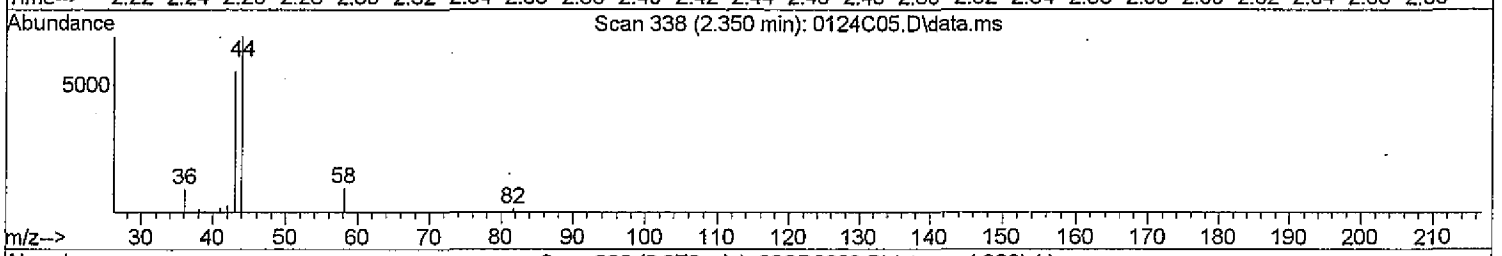


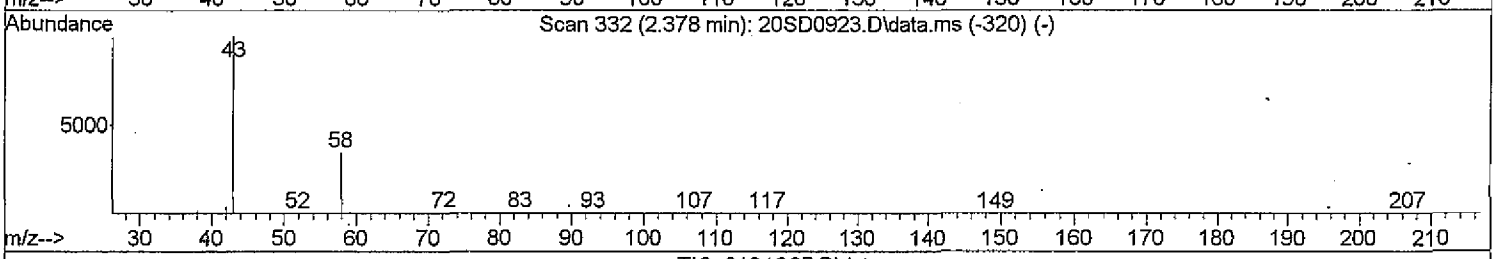
Quantitation Report (Qedit)

Data Path : D:\data\01242012\
Data File : 0124C05.D
Acq On : 24 Jan 2012 5:16 pm
Operator : SCW OBB-AG5975
Sample : 5ppb STD, 2.5uL to 100mL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 25 09:37:31 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:37:22 2012
Response via : Initial Calibration







TIC: 0124C05.D\data.ms

(8) ACETONE (TMCP)

2.350min (+0.007) 4.65ug/L

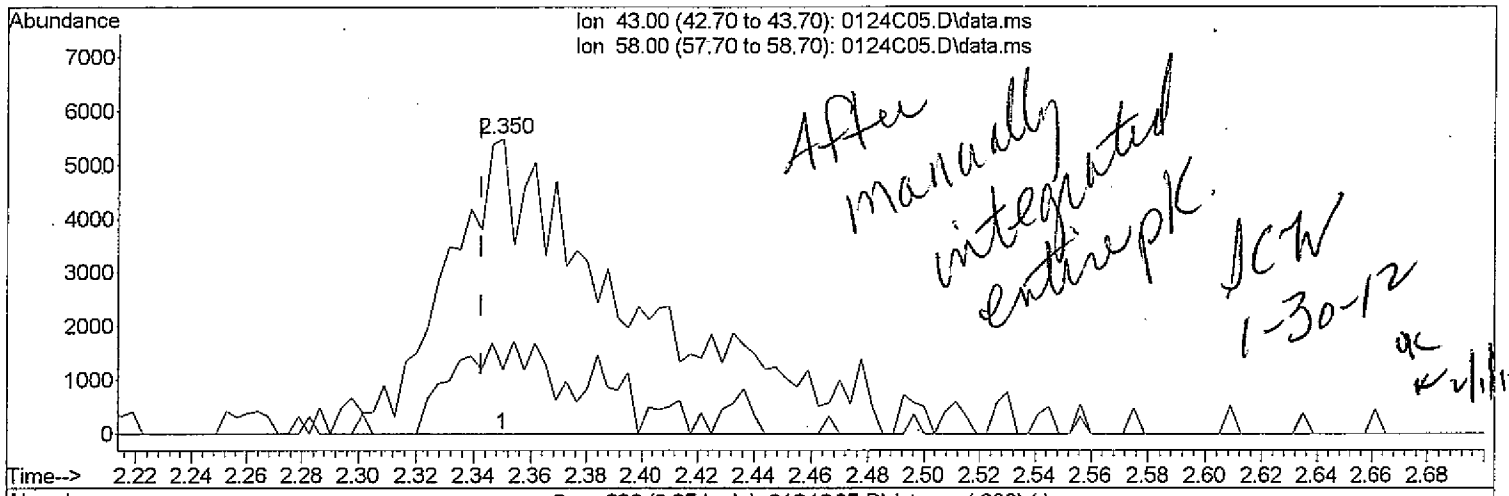
response 24048

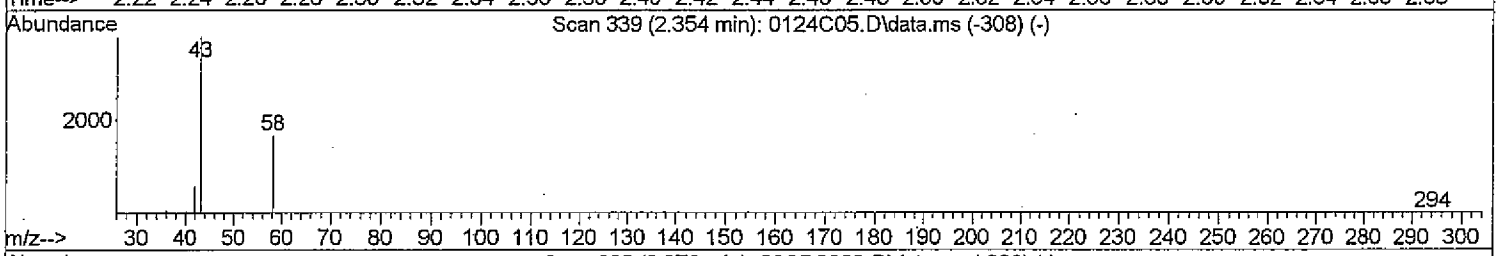
Ion	Exp%	Act%
43.00	100	100
58.00	28.10	8.47#
0.00	0.00	0.00
0.00	0.00	0.00

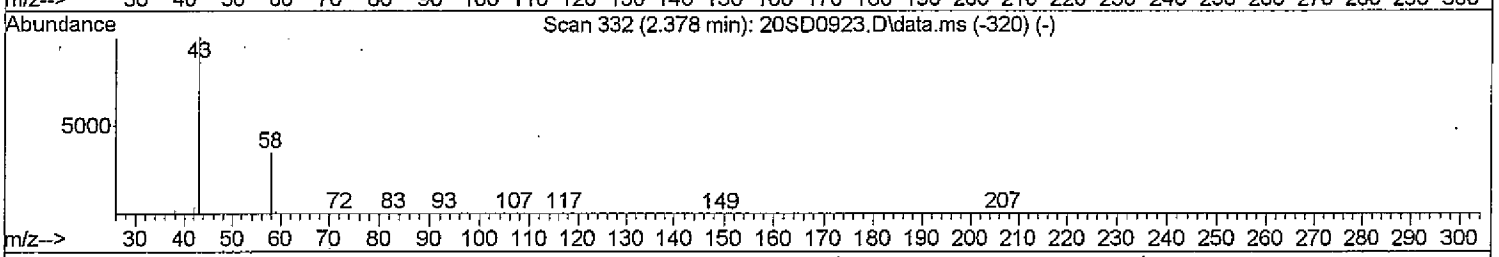
Quantitation Report (Qedit)

Data Path : D:\data\01242012\
Data File : 0124C05.D
Acq On : 24 Jan 2012 5:16 pm
Operator : SCW OBB-AG5975
Sample : 5ppb STD, 2.5uL to 100mL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 25 09:37:31 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:37:22 2012
Response via : Initial Calibration







TIC: 0124C05.D\data.ms

(8) ACETONE (TMCP)

2.350min (+0.007) 4.74ug/L m

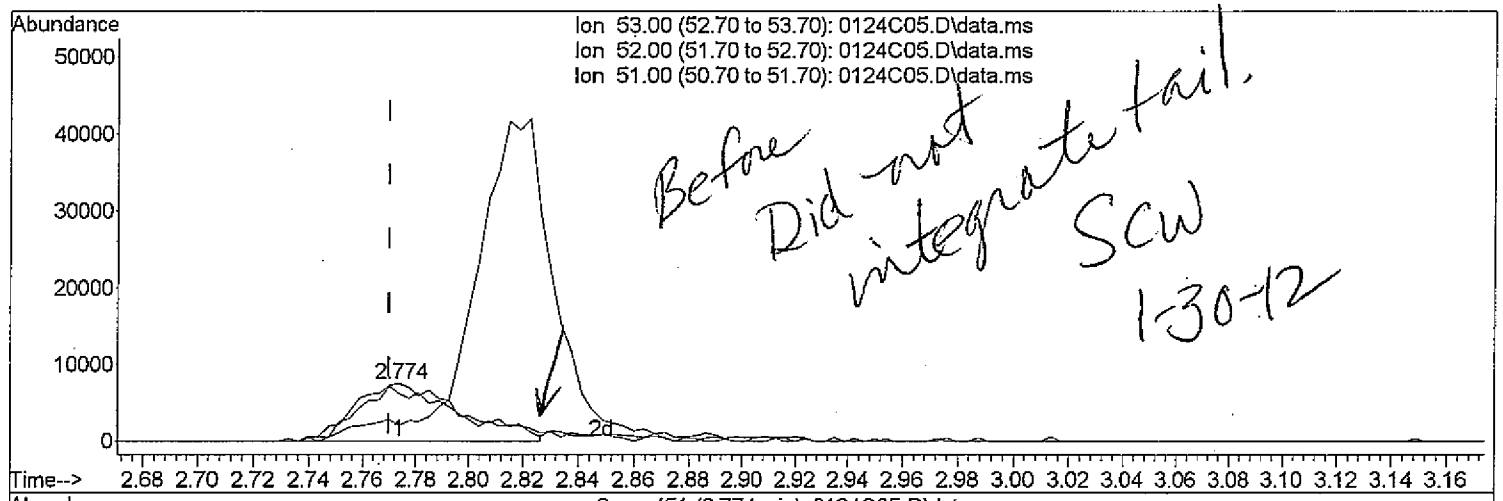
response 24480

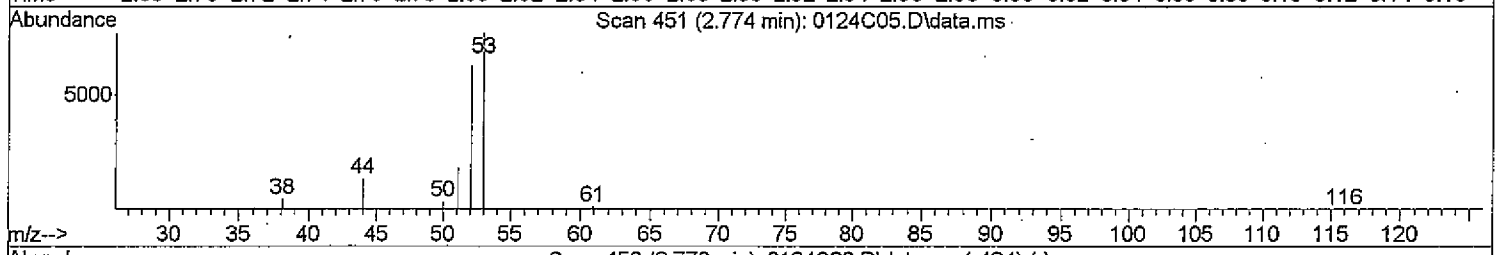
Ion	Exp%	Act%
43.00	100	100
58.00	28.10	8.32#
0.00	0.00	0.00
0.00	0.00	0.00

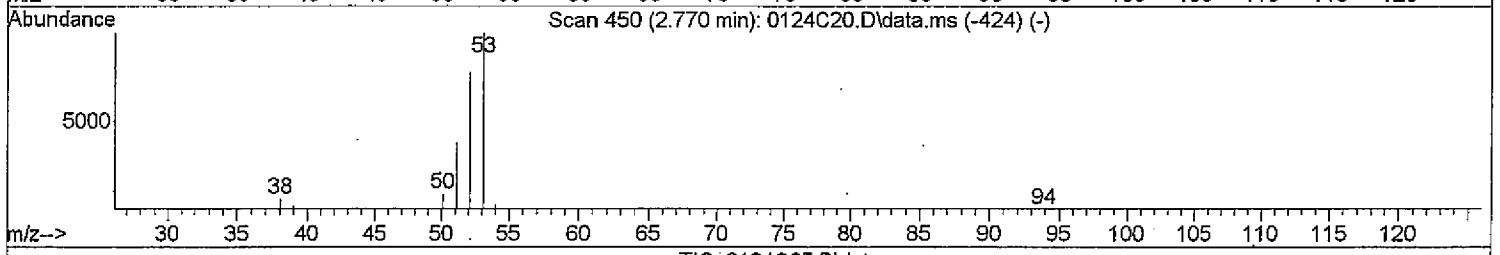
Quantitation Report (Qedit)

Data Path : D:\data\01242012\
Data File : 0124C05.D
Acq On : 24 Jan 2012 5:16 pm
Operator : SCW OBB-AG5975
Sample : 5ppb STD, 2.5uL to 100mL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 25 08:33:06 2012
Quant Method : D:\methods\12192011.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 08:32:58 2012
Response via : Initial Calibration







TIC: 0124C05.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.774min (+0.004) 10.50ug/L

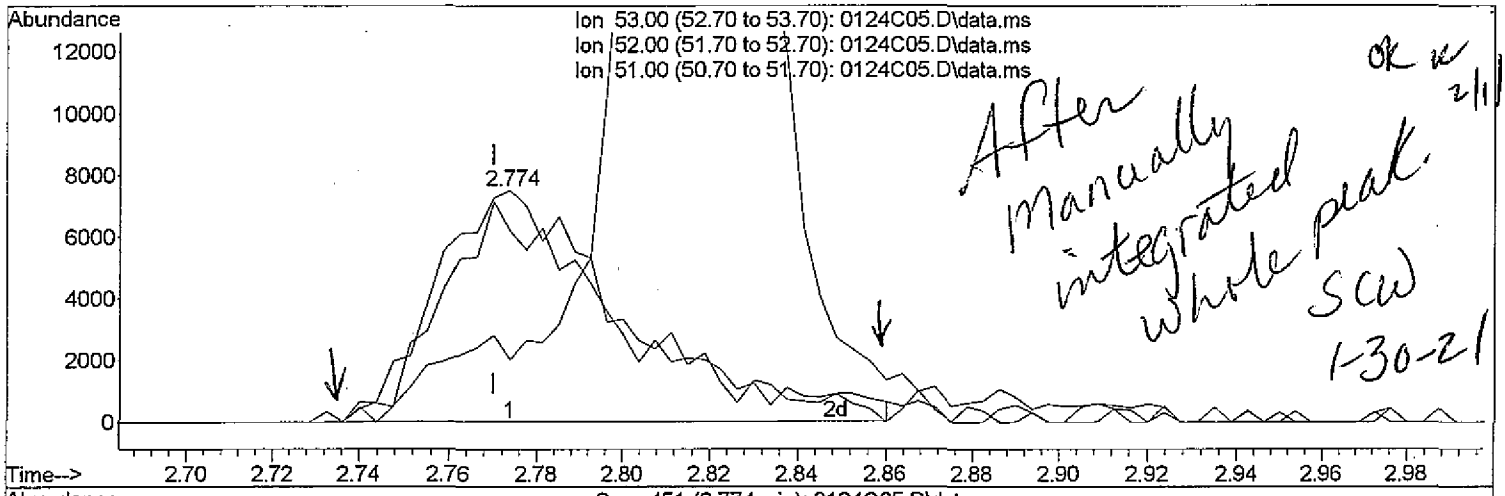
response 20914

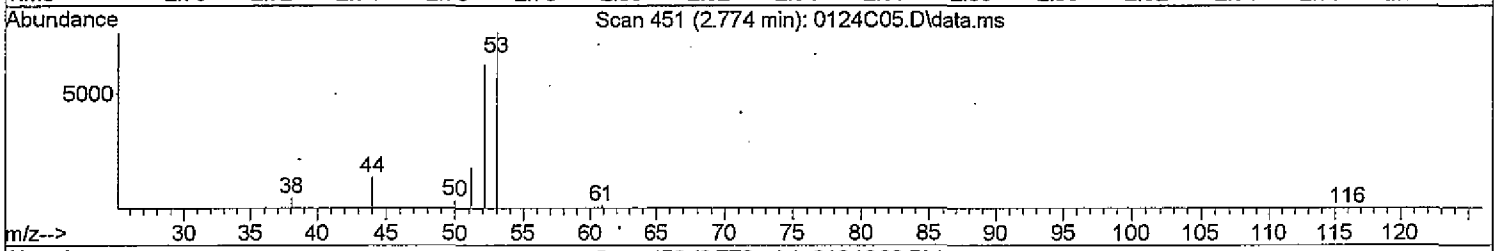
Ion	Exp%	Act%
53.00	100	100
52.00	80.00	90.30
51.00	35.00	16.59#
0.00	0.00	0.00

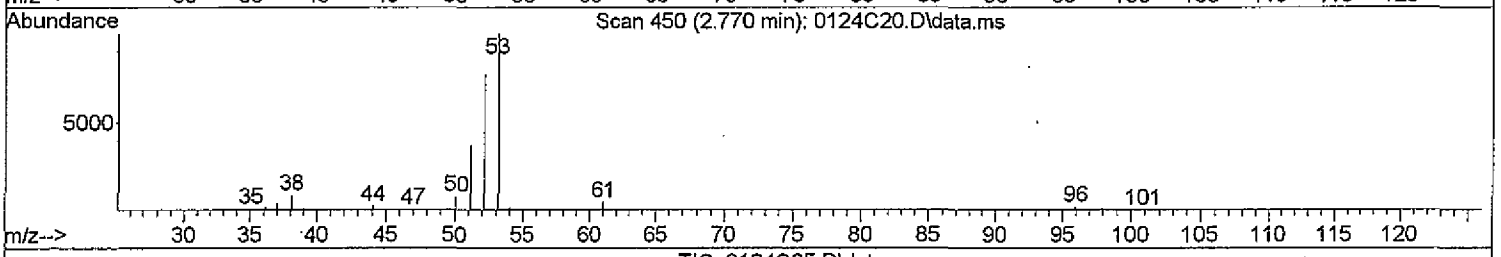
Quantitation Report (Qedit)

Data Path : D:\data\01242012\
Data File : 0124C05.D
Acq On : 24 Jan 2012 5:16 pm
Operator : SCW OBB-AG5975
Sample : 5ppb STD, 2.5uL to 100mL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 25 09:38:45 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:37:22 2012
Response via : Initial Calibration







TIC: 0124C05.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.774min (+0.004) 4.52ug/L m

response 22571

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	83.67
51.00	35.00	15.37#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C10.D
Acq On : 24 Jan 2012 5:43 pm
Operator : SCW OBB-AG5975
Sample : 10ppb STD, 5uL to 100mL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 25 09:33:35 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:33:23 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	610862	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	499799	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	214823	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	126663	4.26 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 106.50%		
42) TOLUENE-d8	8.472	98	722320	3.87 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 96.75%		
60) 4-BROMOFLUOROBENZENE	11.531	95	214743	4.23 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 105.75%		

Target Compounds					Qvalue
2) DICHLORODIFLUOROMETHANE	1.203	85	336209	12.15 ug/L	99
3) CHLOROMETHANE	1.308	50	599296	12.37 ug/L	98
4) VINYL CHLORIDE	1.420	62	558292	10.65 ug/L	97
5) BROMOMETHANE	1.664	94	249454	8.75 ug/L	97
6) CHLOROETHANE	1.765	64	363091	10.71 ug/L	97
7) TRICHLOROFLUOROMETHANE	2.189	101	719605	9.30 ug/L	100
8) ACETONE	2.343	43	33350	5.89 ug/L	92
9) 1,1-DICHLOROETHENE	2.646	96	330869	10.76 ug/L	95
10) ACRYLONITRILE	2.770	53	41302	8.66 ug/L #	92
11) METHYLENE CHLORIDE	2.815	84	313913	11.19 ug/L #	84
12) Freon 113	2.890	101	337430	11.07 ug/L	89
13) CARBON DISULFIDE	2.927	76	1139710	11.29 ug/L	100
14) METHYL ACETATE	2.946	43	85072	10.94 ug/L	96
15) TRANS-1,2-DICHLOROETHENE	3.531	96	396146	10.76 ug/L	98
16) METHYL-TERT-BUTYL ETHER	3.711	73	406586	11.74 ug/L #	95
17) 1,1-DICHLOROETHANE	3.805	63	744517	12.01 ug/L	98
18) VINYL ACETATE	4.089	43	301539	12.00 ug/L	99
19) 2-BUTANONE	4.382	43	47661	9.40 ug/L #	82
20) CIS-1,2-DICHLOROETHENE	4.457	96	409118	11.03 ug/L	99
21) BROMOCHLOROMETHANE	4.622	128	126560	10.30 ug/L #	78
22) CHLOROFORM	4.704	83	633426	11.13 ug/L	100
23) 2,2-DICHLOROPROPANE	4.772	77	414809	11.63 ug/L	95
25) 1,2-DICHLOROETHANE	5.431	62	298319	11.38 ug/L #	98
26) 1,1,1-TRICHLOROETHANE	5.521	97	575486	11.01 ug/L	96
27) 1,1-DICHLOROPROPENE	5.765	75	532382	11.80 ug/L	98
28) CYCLOHEXANE	5.810	56	820519	16.05 ug/L	86
29) CARBON TETRACHLORIDE	5.919	117	485443	10.80 ug/L	99
30) BENZENE	5.998	78	1618584	11.37 ug/L	99
31) DIBROMOMETHANE	6.642	93	110894	10.60 ug/L #	85
32) 1,2-DICHLOROPROPANE	6.706	63	366332	12.28 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C10.D
Acq On : 24 Jan 2012 5:43 pm
Operator : SCW OBB-AG5975
Sample : 10ppb STD, 5uL to 100mL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 25 09:33:35 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:33:23 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
33) TRICHLOROETHENE	6.770	130	435269	10.40 ug/L	98
34) BROMODICHLOROMETHANE	6.818	83	371645	11.27 ug/L	99
35) METHYLCYCLOHEXANE	7.336	83	659656	11.89 ug/L	92
36) 2-CHLOROETHYLVINYL ETHER	7.463	63	46953	17.88 ug/L	97
37) CIS-1,3-DICHLOROPROPENE	7.639	75	397620	12.47 ug/L	98
39) 4-METHYL-2-PENTANONE	7.868	43	115126	10.47 ug/L	95
40) TRANS-1,3-DICHLOROPROPENE	8.194	75	241946	11.57 ug/L	99
41) 1,1,2-TRICHLOROETHANE	8.329	97	164797	9.99 ug/L	99
43) TOLUENE	8.554	92	1064521	10.24 ug/L	99
44) 1,3-DICHLOROPROPANE	8.625	76	301292	10.43 ug/L	99
45) CHLORODIBROMOMETHANE	8.869	129	196975	10.06 ug/L #	99
46) 2-HEXANONE	8.944	43	69422	9.11 ug/L	96
47) 1,2-DIBROMOETHANE (EDB)	9.154	107	147664	10.04 ug/L	99
48) TETRACHLOROETHENE	9.409	164	299569	9.39 ug/L	96
49) 1,1,1,2-TETRACHLOROETHANE	10.155	131	300165	10.16 ug/L	95
50) CHLOROBENZENE	10.237	112	1056301	9.89 ug/L	96
51) ETHYLBENZENE	10.526	91	1979154	10.35 ug/L	99
52) BROMOFORM	10.747	173	90001	9.95 ug/L #	98
53) M-XYLENE/P-XYLENE	10.762	106	1573386	19.34 ug/L	95
54) STYRENE	11.088	104	2249216	20.73 ug/L	97
55) O-XYLENE	11.159	106	1559317	18.95 ug/L	96
56) ISOPROPYLBENZENE	11.534	105	1588471	8.96 ug/L	100
58) 1,1,2,2-TETRACHLOROETHANE	11.144	83	175196	10.28 ug/L	98
59) 1,2,3-TRICHLOROPROPANE	11.283	75	120580	11.22 ug/L	99
61) BROMOBENZENE	11.684	156	358295	9.95 ug/L	93
62) N-PROPYLBENZENE	11.950	91	2062945	9.79 ug/L	99
63) 2-CHLOROTOLUENE	11.992	91	1237046	10.15 ug/L	97
64) 4-CHLOROTOLUENE	12.070	91	1240762	10.30 ug/L	97
65) 1,3,5-TRIMETHYLBENZENE	12.254	105	1450492	9.17 ug/L	99
66) TERT-BUTYLBENZENE	12.456	119	1196398	8.47 ug/L	99
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	1440106	9.36 ug/L	98
68) SEC-BUTYLBENZENE	12.648	105	1799896	8.61 ug/L	99
69) 1,3-DICHLOROBENZENE	12.659	146	757590	8.96 ug/L	100
70) 1,4-DICHLOROBENZENE	12.723	146	711162	9.15 ug/L	99
71) P-ISOPROPYLTOLUENE	12.828	119	1363565	8.59 ug/L	98
72) 1,2-DICHLOROBENZENE	13.000	146	593892	9.49 ug/L	100
73) N-BUTYLBENZENE	13.157	91	1279423	8.91 ug/L	98
74) 1,2-DIBROMO-3-CHLOROPR...	13.382	75	20331	11.03 ug/L	93
75) 1,2,4-TRICHLOROBENZENE	14.447	180	318607	8.59 ug/L #	97
76) NAPHTHALENE	14.623	128	498286	10.51 ug/L	99
77) HEXACHLOROBUTADIENE	14.698	225	194086	7.47 ug/L #	84
78) 1,2,3-TRICHLOROBENZENE	14.769	180	271431	8.89 ug/L	97

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C10.D
Acq On : 24 Jan 2012 5:43 pm
Operator : SCW OBB-AG5975
Sample : 10ppb STD, 5uL to 100mL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 25 09:33:35 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:33:23 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

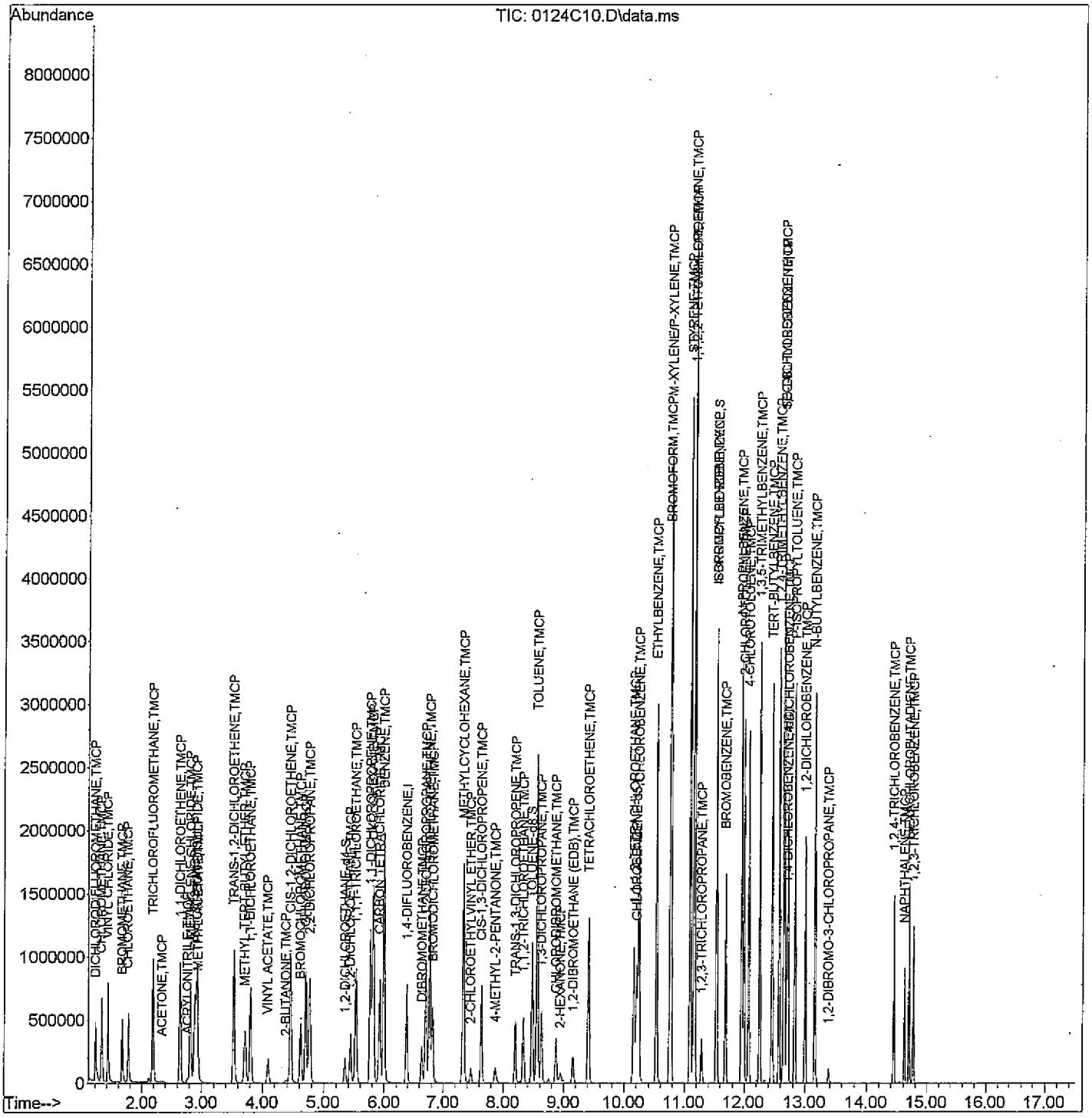
(#) = qualifier out of range (m) = manual integration (+) = signals summed

DIM0218843 DIM0219060

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C10.D
Acq On : 24 Jan 2012 5:43 pm
Operator : SCW OBB-AG5975
Sample : 10ppb STD, 5uL to 100mL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 25 09:33:35 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:33:23 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C20.D
Acq On : 24 Jan 2012 6:10 pm
Operator : SCW OBB-AG5975
Sample : 20ppb STD, 10uL to 100mL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 25 09:18:27 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:18:14 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.376	114	622925	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	507698	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	228792	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	131250	4.49 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 112.25%		
42) TOLUENE-d8	8.472	98	713599	3.72 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 93.00%		
60) 4-BROMOFLUOROBENZENE	11.531	95	236989	4.39 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 109.75%		
Target Compounds					Qvalue
2) DICHLORODIFLUOROMETHANE	1.203	85	660074	24.86 ug/L	99
3) CHLOROMETHANE	1.308	50	1208203	28.13 ug/L	99
4) VINYL CHLORIDE	1.420	62	1165300	22.79 ug/L	97
5) BROMOMETHANE	1.664	94	522928	17.77 ug/L	100
6) CHLOROETHANE	1.769	64	748325	23.18 ug/L	97
7) TRICHLOROFLUOROMETHANE	2.189	101	1507362	19.29 ug/L	99
8) ACETONE	2.346	43	74077	11.96 ug/L #	66
9) 1,1-DICHLOROETHENE	2.646	96	717518	23.69 ug/L	98
10) ACRYLONITRILE	2.770	53	81493	19.82 ug/L #	85
11) METHYLENE CHLORIDE	2.819	84	648157	24.02 ug/L #	83
12) Freon 113	2.894	101	715712	24.14 ug/L	89
13) CARBON DISULFIDE	2.927	76	2427575	25.03 ug/L	100
14) METHYL ACETATE	2.942	43	161766	21.26 ug/L	99
15) TRANS-1,2-DICHLOROETHENE	3.531	96	839045	22.98 ug/L	99
16) METHYL-TERT-BUTYL ETHER	3.715	73	825885	24.86 ug/L	95
17) 1,1-DICHLOROETHANE	3.805	63	1534866	26.19 ug/L	98
18) VINYL ACETATE	4.089	43	667054	28.99 ug/L	97
19) 2-BUTANONE	4.393	43	97748	18.34 ug/L #	82
20) CIS-1,2-DICHLOROETHENE	4.457	96	844512	22.98 ug/L	97
21) BROMOCHLOROMETHANE	4.626	128	259374	20.97 ug/L #	78
22) CHLOROFORM	4.704	83	1299795	23.25 ug/L	100
23) 2,2-DICHLOROPROPANE	4.768	77	921291	26.25 ug/L	95
25) 1,2-DICHLOROETHANE	5.435	62	607110	24.03 ug/L	99
26) 1,1,1-TRICHLOROETHANE	5.525	97	1216212	23.18 ug/L	96
27) 1,1-DICHLOROPROPENE	5.765	75	1107520	25.15 ug/L	97
28) CYCLOHEXANE	5.814	56	1731731	29.33 ug/L	86
29) CARBON TETRACHLORIDE	5.923	117	1041152	22.66 ug/L	99
30) BENZENE	5.998	78	3358555	24.09 ug/L	99
31) DIBROMOMETHANE	6.639	93	231683	22.34 ug/L #	85
32) 1,2-DICHLOROPROPANE	6.706	63	754628	26.85 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C20.D
Acq On : 24 Jan 2012 6:10 pm
Operator : SCW OBB-AG5975
Sample : 20ppb STD, 10uL to 100mL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 25 09:18:27 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:18:14 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
33) TRICHLOROETHENE	6.770	130	901963	20.77 ug/L	98
34) BROMODICHLOROMETHANE	6.818	83	786373	24.45 ug/L	100
35) METHYLCYCLOHEXANE	7.336	83	1408892	26.31 ug/L	92
36) 2-CHLOROETHYLVINYL ETHER	7.463	63	103606	48.88 ug/L	97
37) CIS-1,3-DICHLOROPROPENE	7.639	75	847932	27.63 ug/L	99
39) 4-METHYL-2-PENTANONE	7.864	43	238998	22.43 ug/L	99
40) TRANS-1,3-DICHLOROPROPENE	8.194	75	536680	26.14 ug/L	100
41) 1,1,2-TRICHLOROETHANE	8.325	97	337057	20.30 ug/L	98
43) TOLUENE	8.554	92	2208928	20.73 ug/L	99
44) 1,3-DICHLOROPROPANE	8.625	76	617346	21.49 ug/L	100
45) CHLORODIBROMOMETHANE	8.869	129	419505	20.85 ug/L #	99
46) 2-HEXANONE	8.944	43	161718	20.38 ug/L	95
47) 1,2-DIBROMOETHANE (EDB)	9.154	107	308793	20.80 ug/L	98
48) TETRACHLOROETHENE	9.409	164	659421	19.35 ug/L	96
49) 1,1,1,2-TETRACHLOROETHANE	10.155	131	630936	20.42 ug/L #	94
50) CHLOROBENZENE	10.237	112	2168075	19.41 ug/L	96
51) ETHYLBENZENE	10.526	91	4367592	22.65 ug/L	100
52) BROMOFORM	10.747	173	199796	20.48 ug/L #	97
53) M-XYLENE/P-XYLENE	10.766	106	3555466	40.98 ug/L	98
54) STYRENE	11.092	104	4992984	45.11 ug/L	96
55) O-XYLENE	11.159	106	3494080	40.85 ug/L	98
56) ISOPROPYLBENZENE	11.534	105	3839296	21.11 ug/L	99
58) 1,1,2,2-TETRACHLOROETHANE	11.148	83	376817	20.92 ug/L	98
59) 1,2,3-TRICHLOROPROPANE	11.283	75	237238	21.44 ug/L	98
61) BROMOBENZENE	11.684	156	763936	19.21 ug/L	94
62) N-PROPYLBENZENE	11.950	91	5224811	23.51 ug/L	98
63) 2-CHLOROTOLUENE	11.992	91	2848368	21.92 ug/L	97
64) 4-CHLOROTOLUENE	12.070	91	2835249	22.17 ug/L	98
65) 1,3,5-TRIMETHYLBENZENE	12.254	105	3736586	21.94 ug/L	100
66) TERT-BUTYLBENZENE	12.460	119	3149310	20.25 ug/L	99
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	3623886	21.86 ug/L	100
68) SEC-BUTYLBENZENE	12.651	105	5001275	22.02 ug/L	98
69) 1,3-DICHLOROBENZENE	12.659	146	1839689	18.61 ug/L	99
70) 1,4-DICHLOROBENZENE	12.723	146	1663848	19.27 ug/L	98
71) P-ISOPROPYLTOLUENE	12.828	119	3656042	21.03 ug/L	98
72) 1,2-DICHLOROBENZENE	13.004	146	1353727	19.63 ug/L	100
73) N-BUTYLBENZENE	13.161	91	3489338	22.96 ug/L	98
74) 1,2-DIBROMO-3-CHLOROPR...	13.382	75	42695	22.78 ug/L	95
75) 1,2,4-TRICHLOROBENZENE	14.447	180	808107	19.69 ug/L #	98
76) NAPHTHALENE	14.623	128	1192583	23.64 ug/L	100
77) HEXACHLOROBUTADIENE	14.698	225	554427	18.21 ug/L #	85
78) 1,2,3-TRICHLOROBENZENE	14.769	180	666288	19.89 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C20.D
Acq On : 24 Jan 2012 6:10 pm
Operator : SCW OBB-AG5975
Sample : 20ppb STD, 10uL to 100mL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 25 09:18:27 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:18:14 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

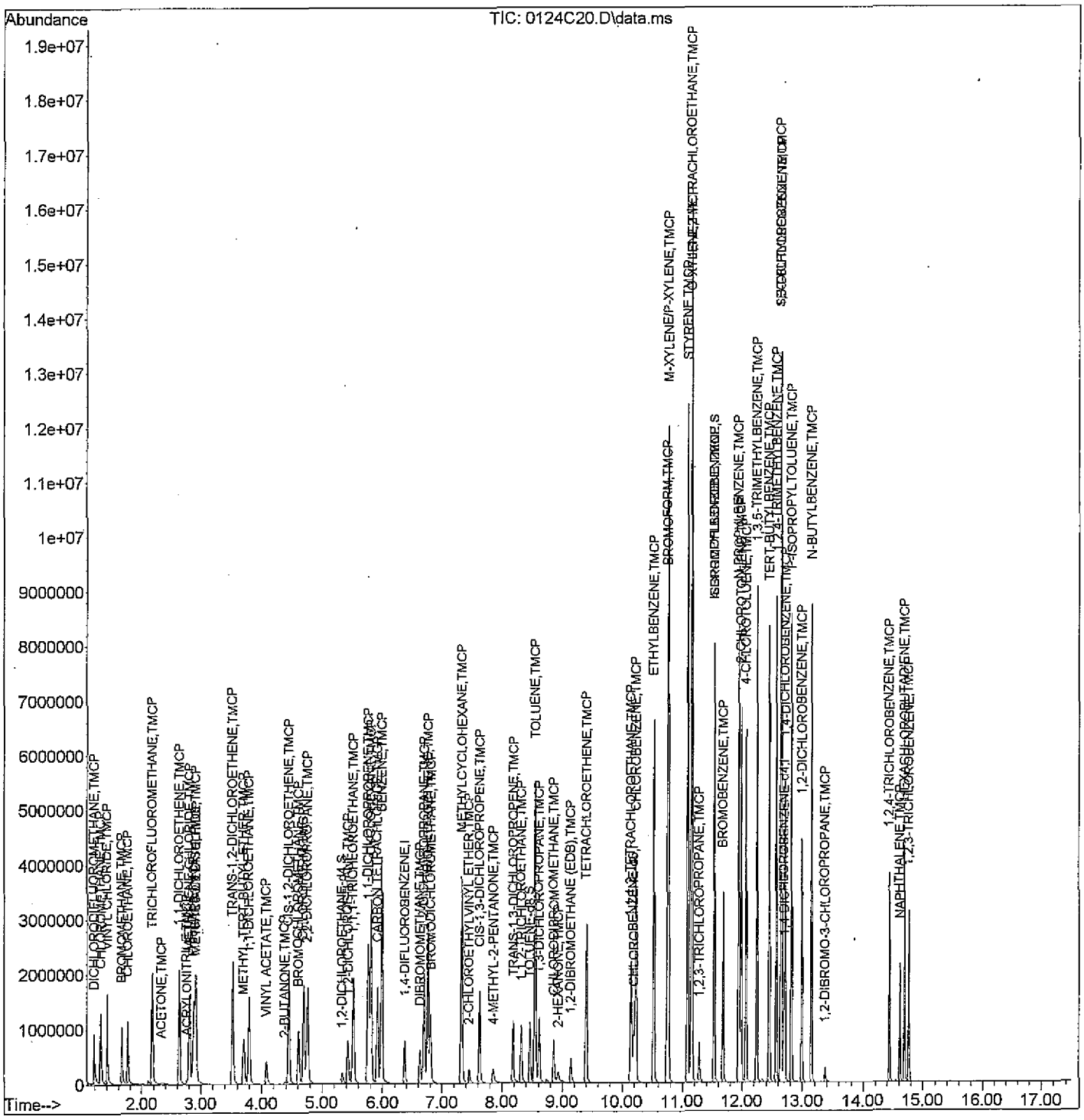
(#) = qualifier out of range (m) = manual integration (+) = signals summed

DIM0218843 DIM0219064

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C20.D
Acq On : 24 Jan 2012 6:10 pm
Operator : SCW OBB-AG5975
Sample : 20ppb STD, 10uL to 100mL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 25 09:18:27 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:18:14 2012
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : D:\data\01272012\
Data File : 0127C05.D
Acq On : 27 Jan 2012 10:43 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

All Pass!

Quant Time: Jan 27 11:01:26 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 09:26:27 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	94	0.00
2	TMCP	DICHLORODIFLUOROMETHANE	0.196	0.163	16.8	78	0.00
3	TMCP	CHLOROMETHANE	0.408	0.357	12.5	87	0.00
4	TMCP	VINYL CHLORIDE	0.376	0.349	7.2	91	0.00
5	TMCP	BROMOMETHANE	0.159	0.167	-5.0	103	0.00
6	TMCP	CHLOROETHANE	0.241	0.226	6.2	93	0.00
7	TMCP	TRICHLOROFLUOROMETHANE	0.472	0.440	6.8	89	0.00
8	TMCP	ACETONE	0.034	0.032	5.9	93	0.02
9	TMCP	1,1-DICHLOROETHENE	0.216	0.221	-2.3	98	0.00
10	TMCP	ACRYLONITRILE	0.027	0.024	11.1	73	0.00
11	TMCP	METHYLENE CHLORIDE	0.204	0.193	5.4	83	0.00
12	TMCP	Freon 113	0.202	0.173	14.4	74	0.00
13	TMCP	CARBON DISULFIDE	0.738	0.706	4.3	94	0.00
14	TMCP	METHYL ACETATE	0.057	0.043	24.6	68	0.00
15	TMCP	TRANS-1,2-DICHLOROETHENE	0.251	0.250	0.4	90	0.00
16	TMCP	METHYL-TERT-BUTYL ETHER	0.255	0.224	12.2	78	0.00
17	TMCP	1,1-DICHLOROETHANE	0.466	0.458	1.7	89	0.00
18	TMCP	VINYL ACETATE	0.177	0.153	13.6	83	0.00
19	TMCP	2-BUTANONE	0.031	0.032	-3.2	96	0.00
20	TMCP	CIS-1,2-DICHLOROETHENE	0.255	0.245	3.9	87	0.00
21	TMCP	BROMOCHLOROMETHANE	0.080	0.077	3.8	87	0.00
22	TMCP	CHLOROFORM	0.399	0.395	1.0	90	0.00
23	TMCP	2,2-DICHLOROPROPANE	0.247	0.247	0.0	93	0.00
24	S	1,2-DICHLOROETHANE-d4	0.214	0.202	5.6	90	0.00
25	TMCP	1,2-DICHLOROETHANE	0.192	0.183	4.7	84	0.00
26	TMCP	1,1,1-TRICHLOROETHANE	0.344	0.342	0.6	93	0.00
27	TMCP	1,1-DICHLOROPROPENE	0.316	0.314	0.6	94	0.00
28	TMCP	CYCLOHEXANE	0.479	0.417	12.9	74	0.00
29	TMCP	CARBON TETRACHLORIDE	0.283	0.288	-1.8	98	0.00
30	TMCP	BENZENE	1.021	0.997	2.4	90	0.00
31	TMCP	DIBROMOMETHANE	0.073	0.066	9.6	83	0.00
32	TMCP	1,2-DICHLOROPROPANE	0.229	0.219	4.4	89	0.00
33	TMCP	TRICHLOROETHENE	0.267	0.266#	0.4	93	0.00
34	TMCP	BROMODICHLOROMETHANE	0.227	0.222	2.2	89	0.00
35	TMCP	METHYLCYCLOHEXANE	0.376	0.331	12.0	74	0.00
36	TMCP	2-CHLOROETHYLVINYL ETHER	0.028	0.021	25.0	66	0.00
37	TMCP	CIS-1,3-DICHLOROPROPENE	0.228	0.222	2.6	86	0.00
38	I	CHLOROBENZENE-d5	1.000	1.000	0.0	95	0.00

Evaluate Continuing Calibration Report

Data Path : D:\data\01272012\
Data File : 0127C05.D
Acq On : 27 Jan 2012 10:43 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 27 11:01:26 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 09:26:27 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
39	TMCP	4-METHYL-2-PENTANONE	0.085	0.071	16.5	84	0.02
40	TMCP	TRANS-1,3-DICHLOROPROPENE	0.165	0.157	4.8	83	0.00
41	TMCP	1,1,2-TRICHLOROETHANE	0.127	0.122	3.9	84	0.00
42	S	TOLUENE-d8	1.438	1.448	-0.7	95	0.00
43	TMCP	TOLUENE	0.811	0.768	5.3	90	0.00
44	TMCP	1,3-DICHLOROPROPANE	0.241	0.223	7.5	82	0.00
45	TMCP	CHLORODIBROMOMETHANE	0.145	0.142	2.1	89	0.00
46	TMCP	2-HEXANONE	0.054	0.044	18.5	83	0.00
47	TMCP	1,2-DIBROMOETHANE (EDB)	0.113	0.103	8.8	78	0.00
48	TMCP	TETRACHLOROETHENE	0.230	0.222	3.5	92	0.00
49	TMCP	1,1,1,2-TETRACHLOROETHANE	0.219	0.208	5.0	88	0.00
50	TMCP	CHLOROBENZENE	0.809	0.763	5.7	90	0.00
51	TMCP	ETHYLBENZENE	1.448	1.435	0.9	93	0.00
52	TMCP	BROMOFORM	0.063	0.062	1.6	84	0.00
53	TMCP	M-XYLENE/P-XYLENE	0.575	0.566	1.6	93	0.00
54	TMCP	STYRENE	0.813	0.792	2.6	91	0.00
55	TMCP	O-XYLENE	0.594	0.566	4.7	93	0.00
56	TMCP	ISOPROPYLBENZENE	1.256	1.230	2.1	94	0.00
57	I	1,4-DICHLOROBENZENE-d4	1.000	1.000	0.0	91	0.00
58	TMCP	1,1,2,2-TETRACHLOROETHANE	0.307	0.285#	7.2	82	0.00
59	TMCP	1,2,3-TRICHLOROPROPANE	0.214	0.188	12.1	75	0.00
60	S	4-BROMOFLUOROBENZENE	0.963	0.959	0.4	94	0.00
61	TMCP	BROMOBENZENE	0.614	0.587	4.4	89	0.00
62	TMCP	N-PROPYLBENZENE	3.651	3.785	-3.7	96	0.00
63	TMCP	2-CHLOROTOLUENE	2.183	2.141	1.9	92	0.00
64	TMCP	4-CHLOROTOLUENE	2.167	2.084	3.8	91	0.00
65	TMCP	1,3,5-TRIMETHYLBENZENE	2.573	2.616	-1.7	95	0.00
66	TMCP	TERT-BUTYLBENZENE	2.186	2.287	-4.6	97	0.00
67	TMCP	1,2,4-TRIMETHYLBENZENE	2.552	2.583	-1.2	93	0.00
68	TMCP	SEC-BUTYLBENZENE	3.354	3.441	-2.6	98	0.00
69	TMCP	1,3-DICHLOROBENZENE	1.363	1.301	4.5	90	0.00
70	TMCP	1,4-DICHLOROBENZENE	1.294	1.243	3.9	91	0.00
71	TMCP	P-ISOPROPYLTOLUENE	2.506	2.647	-5.6	100	0.00
72	TMCP	1,2-DICHLOROBENZENE	1.058	1.009	4.6	89	0.00
73	TMCP	N-BUTYLBENZENE	2.360	2.537	-7.5	101	0.00
74	TMCP	1,2-DIBROMO-3-CHLOROPROPANE	0.034	0.030	11.8	80	0.00
75	TMCP	1,2,4-TRICHLOROBENZENE	0.589	0.574	2.5	92	0.00
76	TMCP	NAPHTHALENE	0.810	0.761	6.0	78	0.00

Evaluate Continuing Calibration Report

Data Path : D:\data\01272012\
Data File : 0127C05.D
Acq On : 27 Jan 2012 10:43 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 27 11:01:26 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 09:26:27 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
77 TMCP HEXACHLOROBUTADIENE	0.381	0.416	-9.2	106	0.00
78 TMCP 1,2,3-TRICHLOROBENZENE	0.503	0.486	3.4	89	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 0127C05.D
Acq On : 27 Jan 2012 10:43 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 27 11:01:26 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 09:26:27 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.376	114	563815	4.00	ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	452866	4.00	ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	196660	4.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-DICHLOROETHANE-d4	5.342	65	113760	3.77	ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 94.25%			
42) TOLUENE-d8	8.472	98	655879	4.03	ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 100.75%			
60) 4-BROMOFLUOROBENZENE	11.531	95	188668	3.99	ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 99.75%			

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	1.203	85	114733	4.16	ug/L	100
3) CHLOROMETHANE	1.308	50	251302	4.37	ug/L	99
4) VINYL CHLORIDE	1.417	62	246192	4.65	ug/L	96
5) BROMOMETHANE	1.660	94	117903	5.25	ug/L	97
6) CHLOROETHANE	1.765	64	159399	4.69	ug/L	98
7) TRICHLOROFLUOROMETHANE	2.185	101	310052	4.66	ug/L	99
8) ACETONE	2.365	43	22735	4.71	ug/L #	71
9) 1,1-DICHLOROETHENE	2.643	96	156042	5.12	ug/L	98
10) ACRYLONITRILE	2.774	53	16577	4.29	ug/L #	1
11) METHYLENE CHLORIDE	2.811	84	136250	4.73	ug/L #	80
12) Freon 113	2.890	101	121671	4.27	ug/L	88
13) CARBON DISULFIDE	2.924	76	497419	4.78	ug/L	99
14) METHYL ACETATE	2.946	43	30443	3.80	ug/L #	84
15) TRANS-1,2-DICHLOROETHENE	3.527	96	176289	4.98	ug/L	98
16) METHYL-TERT-BUTYL ETHER	3.715	73	157536	4.38	ug/L	95
17) 1,1-DICHLOROETHANE	3.801	63	322864	4.91	ug/L	98
18) VINYL ACETATE	4.090	43	107977	4.32	ug/L	97
19) 2-BUTANONE	4.393	43	22547	5.08	ug/L #	73
20) CIS-1,2-DICHLOROETHENE	4.453	96	172893	4.81	ug/L	97
21) BROMOCHLOROMETHANE	4.618	128	54181	4.83	ug/L #	77
22) CHLOROFORM	4.704	83	278189	4.94	ug/L	99
23) 2,2-DICHLOROPROPANE	4.764	77	174118	5.00	ug/L	97
25) 1,2-DICHLOROETHANE	5.431	62	128642	4.75	ug/L #	98
26) 1,1,1-TRICHLOROETHANE	5.521	97	241248	4.97	ug/L	95
27) 1,1-DICHLOROPROPENE	5.761	75	221313	4.97	ug/L	97
28) CYCLOHEXANE	5.814	56	294035	4.36	ug/L	88
29) CARBON TETRACHLORIDE	5.919	117	203170	5.09	ug/L	100
30) BENZENE	5.994	78	702379	4.88	ug/L	99
31) DIBROMOMETHANE	6.639	93	46210	4.51	ug/L	85
32) 1,2-DICHLOROPROPANE	6.706	63	154479	4.79	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 0127C05.D
Acq On : 27 Jan 2012 10:43 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 27 11:01:26 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 09:26:27 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
33) TRICHLOROETHENE	6.770	130	187327	4.98 ug/L	98
34) BROMODICHLOROMETHANE	6.815	83	156720	4.90 ug/L	99
35) METHYLCYCLOHEXANE	7.336	83	233458	4.41 ug/L	91
36) 2-CHLOROETHYLVINYL ETHER	7.463	63	15093	3.87 ug/L #	93
37) CIS-1,3-DICHLOROPROPENE	7.639	75	156273	4.87 ug/L	99
39) 4-METHYL-2-PENTANONE	7.876	43	40102	4.15 ug/L	98
40) TRANS-1,3-DICHLOROPROPENE	8.194	75	88883	4.75 ug/L	99
41) 1,1,2-TRICHLOROETHANE	8.325	97	68819	4.79 ug/L	98
43) TOLUENE	8.554	92	434786	4.74 ug/L	98
44) 1,3-DICHLOROPROPANE	8.625	76	126182	4.63 ug/L	99
45) CHLORODIBROMOMETHANE	8.869	129	80490	4.91 ug/L #	99
46) 2-HEXANONE	8.951	43	25174	4.12 ug/L #	94
47) 1,2-DIBROMOETHANE (EDB)	9.154	107	58184	4.53 ug/L	96
48) TETRACHLOROETHENE	9.409	164	125565	4.83 ug/L	94
49) 1,1,1,2-TETRACHLOROETHANE	10.155	131	117635	4.75 ug/L	95
50) CHLOROBENZENE	10.237	112	431643	4.71 ug/L	96
51) ETHYLBENZENE	10.526	91	812197	4.95 ug/L	100
52) BROMOFORM	10.747	173	35018	4.93 ug/L #	98
53) M-XYLENE/P-XYLENE	10.762	106	640493	9.85 ug/L	95
54) STYRENE	11.088	104	896187	9.74 ug/L	96
55) O-XYLENE	11.159	106	640568	9.53 ug/L	96
56) ISOPROPYLBENZENE	11.534	105	696300	4.90 ug/L	98
58) 1,1,2,2-TETRACHLOROETHANE	11.144	83	69947	4.63 ug/L	97
59) 1,2,3-TRICHLOROPROPANE	11.283	75	46155	4.39 ug/L	96
61) BROMOBENZENE	11.684	156	144366	4.78 ug/L	93
62) N-PROPYLBENZENE	11.950	91	930337	5.18 ug/L	98
63) 2-CHLOROTOLUENE	11.992	91	526243	4.90 ug/L	97
64) 4-CHLOROTOLUENE	12.070	91	512372	4.81 ug/L	100
65) 1,3,5-TRIMETHYLBENZENE	12.254	105	643040	5.08 ug/L	98
66) TERT-BUTYLBENZENE	12.456	119	562307	5.23 ug/L	98
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	635018	5.06 ug/L	100
68) SEC-BUTYLBENZENE	12.648	105	845871	5.13 ug/L	99
69) 1,3-DICHLOROBENZENE	12.659	146	319844	4.77 ug/L	100
70) 1,4-DICHLOROBENZENE	12.723	146	305523	4.80 ug/L	99
71) P-ISOPROPYLTOLUENE	12.828	119	650791	5.28 ug/L	98
72) 1,2-DICHLOROBENZENE	13.004	146	247984	4.77 ug/L	99
73) N-BUTYLBENZENE	13.161	91	623586	5.37 ug/L	98
74) 1,2-DIBROMO-3-CHLOROPR...	13.379	75	7404	4.42 ug/L	93
75) 1,2,4-TRICHLOROBENZENE	14.447	180	141080	4.87 ug/L #	98
76) NAPHTHALENE	14.623	128	187019	4.70 ug/L	100
77) HEXACHLOROBUTADIENE	14.698	225	102215	5.46 ug/L #	84
78) 1,2,3-TRICHLOROBENZENE	14.769	180	119541	4.83 ug/L #	97

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 0127C05.D
Acq On : 27 Jan 2012 10:43 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 27 11:01:26 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 09:26:27 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

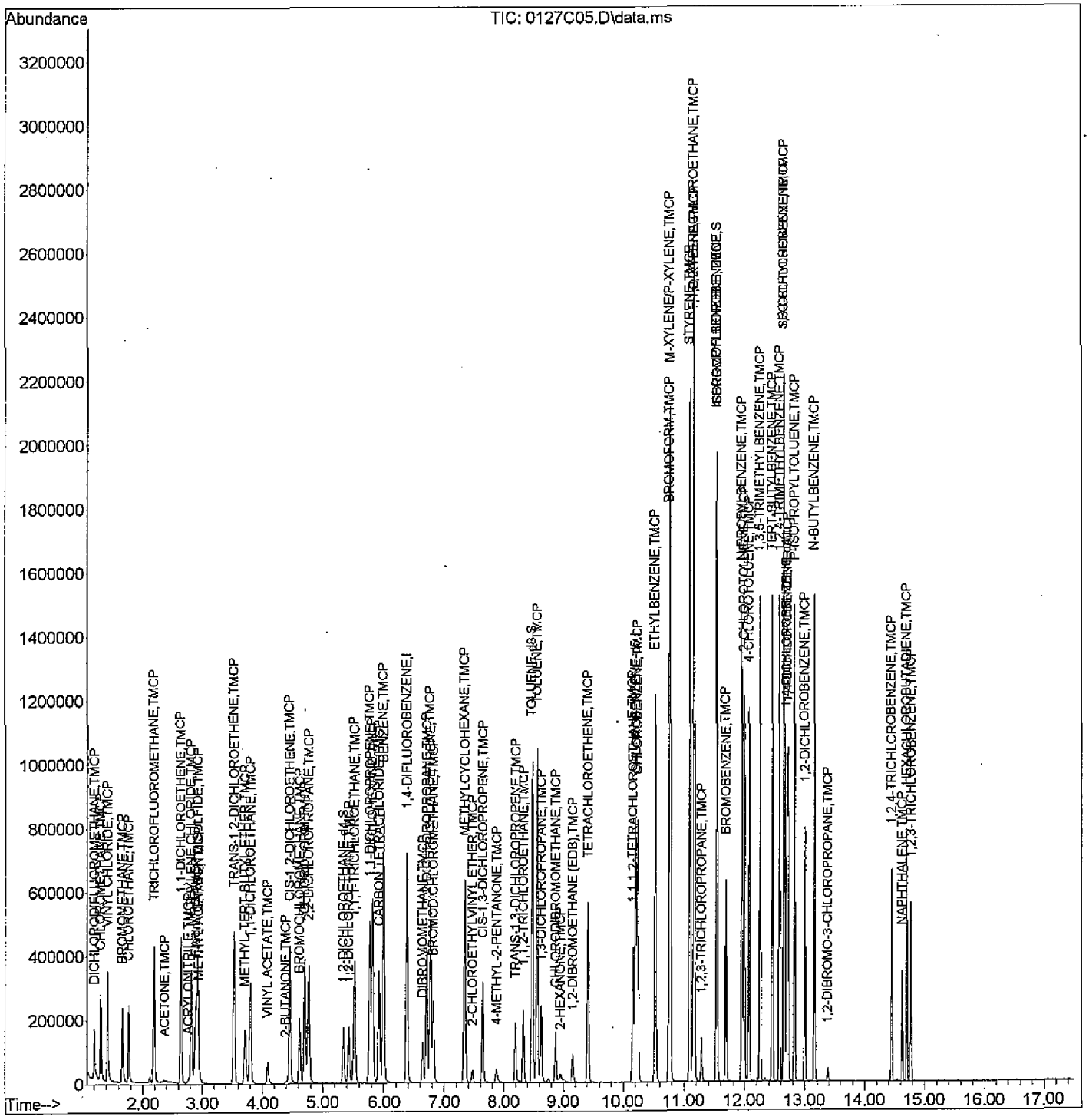
(#) = qualifier out of range (m) = manual integration (+) = signals summed

DIM0218843 DIM0219071

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 0127C05.D
Acq On : 27 Jan 2012 10:43 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 27 11:01:26 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 09:26:27 2012
Response via : Initial Calibration



Evaluate Continuing Calibration Report

2 out ✓

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:46:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	86	0.00
2	TMCP	DICHLORODIFLUOROMETHANE	0.196	0.187	4.6	81	0.00
3	TMCP	CHLOROMETHANE	0.408	0.379	7.1	84	0.00
4	TMCP	VINYL CHLORIDE	0.376	0.375	0.3	89	0.00
5	TMCP	BROMOMETHANE	0.159	0.168	-5.7	95	0.00
6	TMCP	CHLOROETHANE	0.241	0.242	-0.4	91	0.00
7	TMCP	TRICHLOROFLUOROMETHANE	0.472	0.500	-5.9	92	0.00
8	TMCP	ACETONE	0.034	0.046	-35.3#	121	-0.02
9	TMCP	1,1-DICHLOROETHENE	0.216	0.208	3.7	84	0.00
10	TMCP	ACRYLONITRILE	0.027	0.026	3.7	75	0.00
11	TMCP	METHYLENE CHLORIDE	0.204	0.213	-4.4	84	0.00
12	TMCP	Freon 113	0.202	0.236	-16.8	92	0.00
13	TMCP	CARBON DISULFIDE	0.738	0.751	-1.8	91	0.00
14	TMCP	METHYL ACETATE	0.057	0.048	15.8	69	0.00
15	TMCP	TRANS-1,2-DICHLOROETHENE	0.251	0.250	0.4	83	0.00
16	TMCP	METHYL-TERT-BUTYL ETHER	0.255	0.237	7.1	75	0.00
17	TMCP	1,1-DICHLOROETHANE	0.466	0.495	-6.2	87	0.00
18	TMCP	VINYL ACETATE	0.177	0.166	6.2	82	0.00
19	TMCP	2-BUTANONE	0.031	0.041	-32.3#	113	0.00
20	TMCP	CIS-1,2-DICHLOROETHENE	0.255	0.266	-4.3	86	0.00
21	TMCP	BROMOCHLOROMETHANE	0.080	0.083	-3.8	86	0.00
22	TMCP	CHLOROFORM	0.399	0.421	-5.5	88	0.00
23	TMCP	2,2-DICHLOROPROPANE	0.247	0.255	-3.2	87	0.00
24	S	1,2-DICHLOROETHANE-d4	0.214	0.209	2.3	85	0.00
25	TMCP	1,2-DICHLOROETHANE	0.192	0.206	-7.3	87	0.00
26	TMCP	1,1,1-TRICHLOROETHANE	0.344	0.356	-3.5	88	0.00
27	TMCP	1,1-DICHLOROPROPENE	0.316	0.319	-0.9	87	0.00
28	TMCP	CYCLOHEXANE	0.479	0.564	-17.7	92	0.00
29	TMCP	CARBON TETRACHLORIDE	0.283	0.300	-6.0	93	0.00
30	TMCP	BENZENE	1.021	1.071	-4.9	89	0.00
31	TMCP	DIBROMOMETHANE	0.073	0.076	-4.1	87	0.00
32	TMCP	1,2-DICHLOROPROPANE	0.229	0.238	-3.9	88	0.00
33	TMCP	TRICHLOROETHENE	0.267	0.273#	-2.2	87	0.00
34	TMCP	BROMODICHLOROMETHANE	0.227	0.244	-7.5	89	0.00
35	TMCP	METHYLCYCLOHEXANE	0.376	0.445	-18.4	90	0.00
36	TMCP	2-CHLOROETHYLVINYL ETHER	0.028	0.023	17.9	66	0.00
37	TMCP	CIS-1,3-DICHLOROPROPENE	0.228	0.245	-7.5	86	0.00
38	I	CHLOROBENZENE-d5	1.000	1.000	0.0	91	0.00

Evaluate Continuing Calibration Report

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:46:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
39	TMCP	4-METHYL-2-PENTANONE	0.085	0.077	9.4	88	0.00
40	TMCP	TRANS-1,3-DICHLOROPROPENE	0.165	0.169	-2.4	86	0.00
41	TMCP	1,1,2-TRICHLOROETHANE	0.127	0.125	1.6	83	0.00
42	S	TOLUENE-d8	1.438	1.424	1.0	90	0.00
43	TMCP	TOLUENE	0.811	0.764 ✓	5.8	86	0.00
44	TMCP	1,3-DICHLOROPROPANE	0.241	0.239	0.8	85	0.00
45	TMCP	CHLORODIBROMOMETHANE	0.145	0.147	-1.4	88	0.00
46	TMCP	2-HEXANONE	0.054	0.054	0.0	98	0.00
47	TMCP	1,2-DIBROMOETHANE (EDB)	0.113	0.115	-1.8	84	0.00
48	TMCP	TETRACHLOROETHENE	0.230	0.215	6.5	86	0.00
49	TMCP	1,1,1,2-TETRACHLOROETHANE	0.219	0.211	3.7	86	0.00
50	TMCP	CHLOROBENZENE	0.809	0.750	7.3	85	0.00
51	TMCP	ETHYLBENZENE	1.448	1.359	6.1	85	0.00
52	TMCP	BROMOFORM	0.063	0.069	-9.5	90	0.00
53	TMCP	M-XYLENE/P-XYLENE	0.575	0.532	7.5	84	0.00
54	TMCP	STYRENE	0.813	0.795	2.2	88	0.00
55	TMCP	O-XYLENE	0.594	0.559	5.9	88	0.00
56	TMCP	ISOPROPYLBENZENE	1.256	1.151	8.4	85	0.00
57	I	1,4-DICHLOROBENZENE-d4	1.000	1.000	0.0	91	0.00
58	TMCP	1,1,2,2-TETRACHLOROETHANE	0.307	0.296#	3.6	85	0.00
59	TMCP	1,2,3-TRICHLOROPROPANE	0.214	0.201	6.1	81	0.00
60	S	4-BROMOFLUOROBENZENE	0.963	0.935	2.9	92	0.00
61	TMCP	BROMOBENZENE	0.614	0.551	10.3	83	0.00
62	TMCP	N-PROPYLBENZENE	3.651	3.296	9.7	84	0.00
63	TMCP	2-CHLOROTOLUENE	2.183	1.959	10.3	85	0.00
64	TMCP	4-CHLOROTOLUENE	2.167	1.945	10.2	85	0.00
65	TMCP	1,3,5-TRIMETHYLBENZENE	2.573	2.358	8.4	86	0.00
66	TMCP	TERT-BUTYLBENZENE	2.186	2.013	7.9	86	0.00
67	TMCP	1,2,4-TRIMETHYLBENZENE	2.552	2.331	8.7	84	0.00
68	TMCP	SEC-BUTYLBENZENE	3.354	3.012	10.2	86	0.00
69	TMCP	1,3-DICHLOROBENZENE	1.363	1.208	11.4	84	0.00
70	TMCP	1,4-DICHLOROBENZENE	1.294	1.136	12.2	83	0.00
71	TMCP	P-ISOPROPYLTOLUENE	2.506	2.278	9.1	86	0.00
72	TMCP	1,2-DICHLOROBENZENE	1.058	0.954	9.8	84	0.00
73	TMCP	N-BUTYLBENZENE	2.360	2.185	7.4	87	0.00
74	TMCP	1,2-DIBROMO-3-CHLOROPROPANE	0.034	0.030	11.8	80	0.00
75	TMCP	1,2,4-TRICHLOROBENZENE	0.589	0.500 ✓	15.1	81	0.00
76	TMCP	NAPHTHALENE	0.810	0.718 ✓	11.4	74	0.00

Evaluate Continuing Calibration Report

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:46:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
77 TMCP HEXACHLOROBUTADIENE	0.381	0.342	10.2	87	0.00
78 TMCP 1,2,3-TRICHLOROBENZENE	0.503	0.447	11.1	82	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 2

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
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Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.376	114	513918	4.00	ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	434729	4.00	ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	196938	4.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-DICHLOROETHANE-d4	5.341	65	107469	3.91	ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 97.75%			
42) TOLUENE-d8	8.468	98	619012	3.96	ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 99.00%			
60) 4-BROMOFLUOROBENZENE	11.530	95	184183	3.89	ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 97.25%			

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	1.203	85	120412	4.79	ug/L	99
3) CHLOROMETHANE	1.304	50	243537	4.65	ug/L	100
4) VINYL CHLORIDE	1.417	62	241115	5.00	ug/L	98
5) BROMOMETHANE	1.660	94	108228	5.29	ug/L	99
6) CHLOROETHANE	1.765	64	155180	5.01	ug/L	99
7) TRICHLOROFLUOROMETHANE	2.185	101	321232	5.30	ug/L	100
8) ACETONE	2.346	43	29665	6.75	ug/L #	74
9) 1,1-DICHLOROETHENE	2.639	96	133360	4.80	ug/L	97
10) ACRYLONITRILE	2.774	53	16846m	4.78	ug/L	
11) METHYLENE CHLORIDE	2.811	84	136648	5.21	ug/L #	82
12) Freon 113	2.886	101	151831	5.84	ug/L	89
13) CARBON DISULFIDE	2.920	76	482598	5.09	ug/L	99
14) METHYL ACETATE	2.939	43	30898	4.23	ug/L #	74
15) TRANS-1,2-DICHLOROETHENE	3.523	96	160906	4.98	ug/L	95
16) METHYL-TERT-BUTYL ETHER	3.715	73	151930	4.63	ug/L	94
17) 1,1-DICHLOROETHANE	3.801	63	317993	5.31	ug/L	97
18) VINYL ACETATE	4.089	43	106432	4.67	ug/L	98
19) 2-BUTANONE	4.397	43	26535	6.57	ug/L #	92
20) CIS-1,2-DICHLOROETHENE	4.453	96	170889	5.22	ug/L	97
21) BROMOCHLOROMETHANE	4.622	128	53490	5.23	ug/L #	72
22) CHLOROFORM	4.700	83	270579	5.28	ug/L	99
23) 2,2-DICHLOROPROPANE	4.764	77	163638	5.15	ug/L	95
25) 1,2-DICHLOROETHANE	5.428	62	132631	5.37	ug/L #	98
26) 1,1,1-TRICHLOROETHANE	5.518	97	228927	5.17	ug/L #	93
27) 1,1-DICHLOROPROPENE	5.761	75	204655	5.05	ug/L	94
28) CYCLOHEXANE	5.810	56	362512	5.89	ug/L	85
29) CARBON TETRACHLORIDE	5.919	117	192765	5.30	ug/L	99
30) BENZENE	5.994	78	687749	5.24	ug/L	98
31) DIBROMOMETHANE	6.635	93	48503	5.20	ug/L #	85
32) 1,2-DICHLOROPROPANE	6.702	63	152926	5.20	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:46:29 2012
Quant Method : D:\methods\01242012B.M
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QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
33) TRICHLOROETHENE	6.766	130	175144	5.10 ug/L	97
34) BROMODICHLOROMETHANE	6.815	83	156559	5.37 ug/L	99
35) METHYLCYCLOHEXANE	7.336	83	285830	5.92 ug/L	90
36) 2-CHLOROETHYLVINYL ETHER	7.463	63	15046	4.23 ug/L #	89
37) CIS-1,3-DICHLOROPROPENE	7.639	75	157189	5.38 ug/L	98
39) 4-METHYL-2-PENTANONE	7.875	43	41667	4.49 ug/L #	90
40) TRANS-1,3-DICHLOROPROPENE	8.194	75	92105	5.13 ug/L	100
41) 1,1,2-TRICHLOROETHANE	8.325	97	67757	4.91 ug/L	96
43) TOLUENE	8.554	92	415361	4.71 ug/L	100
44) 1,3-DICHLOROPROPANE	8.625	76	129841	4.96 ug/L	99
45) CHLORODIBROMOMETHANE	8.869	129	79686	5.06 ug/L #	98
46) 2-HEXANONE	8.951	43	29572	5.04 ug/L #	94
47) 1,2-DIBROMOETHANE (EDB)	9.154	107	62672	5.08 ug/L #	96
48) TETRACHLOROETHENE	9.405	164	116929	4.68 ug/L	97
49) 1,1,1,2-TETRACHLOROETHANE	10.155	131	114872	4.83 ug/L #	94
50) CHLOROBENZENE	10.237	112	407753	4.64 ug/L	97
51) ETHYLBENZENE	10.526	91	738424	4.69 ug/L	98
52) BROMOFORM	10.743	173	37375	5.48 ug/L #	97
53) M-XYLENE/P-XYLENE	10.762	106	577844	9.25 ug/L	98
54) STYRENE	11.088	104	864162	9.78 ug/L	96
55) O-XYLENE	11.159	106	607860	9.42 ug/L	96
56) ISOPROPYLBENZENE	11.534	105	625618	4.58 ug/L	99
58) 1,1,2,2-TETRACHLOROETHANE	11.148	83	72859	4.81 ug/L	97
59) 1,2,3-TRICHLOROPROPANE	11.283	75	49406	4.69 ug/L	97
61) BROMOBENZENE	11.684	156	135703	4.49 ug/L	92
62) N-PROPYLBENZENE	11.950	91	811273	4.51 ug/L	99
63) 2-CHLOROTOLUENE	11.992	91	482297	4.49 ug/L	98
64) 4-CHLOROTOLUENE	12.070	91	478859	4.49 ug/L	97
65) 1,3,5-TRIMETHYLBENZENE	12.254	105	580473	4.58 ug/L	98
66) TERT-BUTYLBENZENE	12.456	119	495621	4.61 ug/L	100
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	573804	4.57 ug/L	100
68) SEC-BUTYLBENZENE	12.648	105	741377	4.49 ug/L	98
69) 1,3-DICHLOROBENZENE	12.655	146	297423	4.43 ug/L	100
70) 1,4-DICHLOROBENZENE	12.719	146	279772	4.39 ug/L	98
71) P-ISOPROPYLTOLUENE	12.827	119	560823	4.54 ug/L	99
72) 1,2-DICHLOROBENZENE	13.000	146	234813	4.51 ug/L	98
73) N-BUTYLBENZENE	13.161	91	537784	4.63 ug/L	98
74) 1,2-DIBROMO-3-CHLOROPR...	13.382	75	7423	4.42 ug/L	99
75) 1,2,4-TRICHLOROBENZENE	14.447	180	123163	4.25 ug/L #	98
76) NAPHTHALENE	14.623	128	176789	4.44 ug/L	99
77) HEXACHLOROBUTADIENE	14.698	225	84117	4.49 ug/L #	84
78) 1,2,3-TRICHLOROBENZENE	14.769	180	110014	4.44 ug/L #	96

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:46:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
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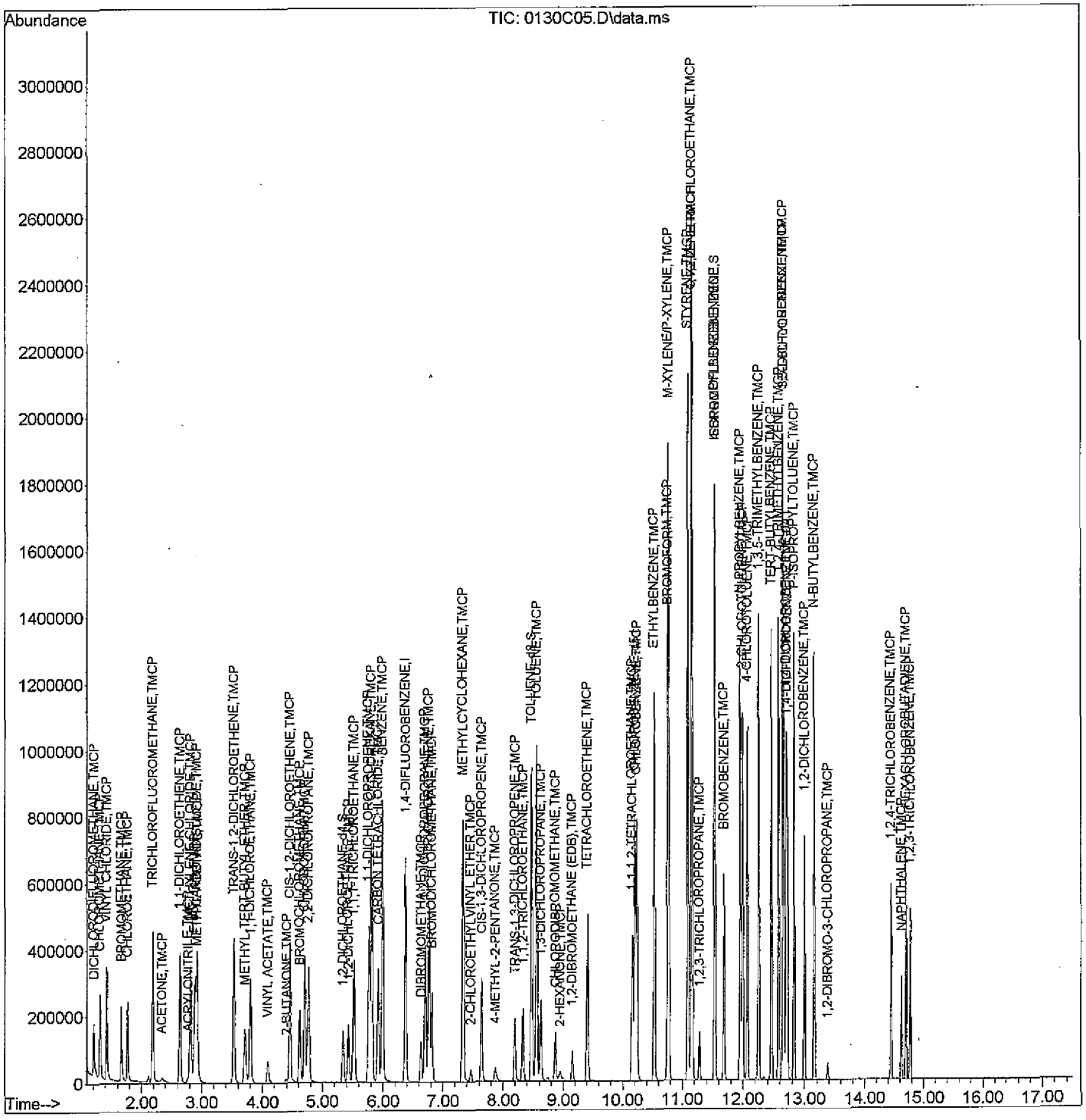
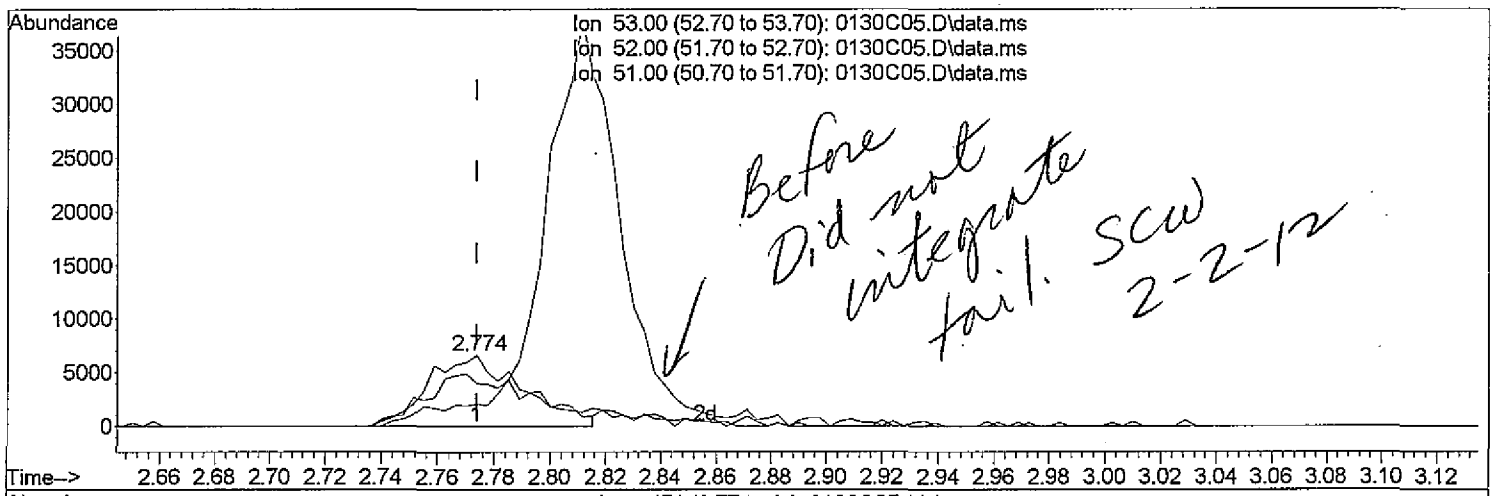
Quant Time: Jan 30 11:46:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

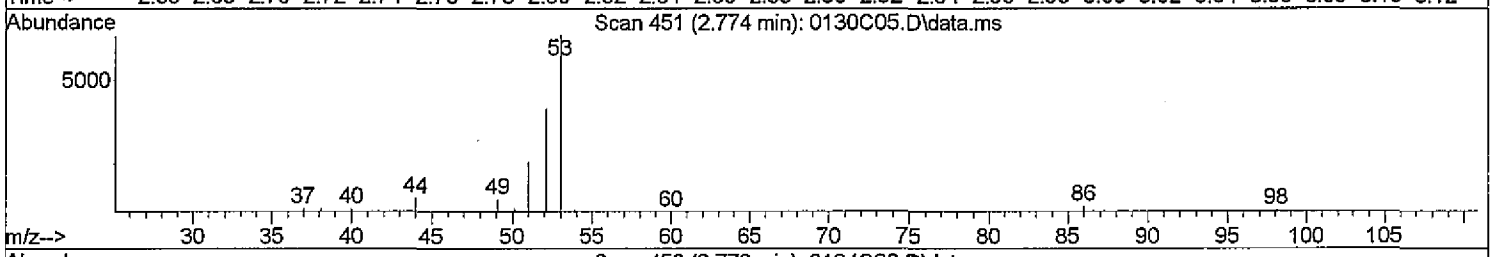


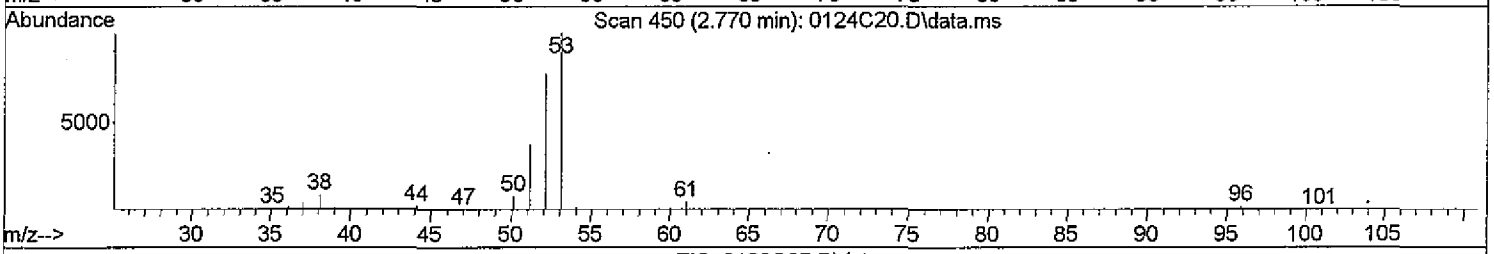
Quantitation Report (Qedit)

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:45:33 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 0130C05.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.774min (-0.000) 4.34ug/L

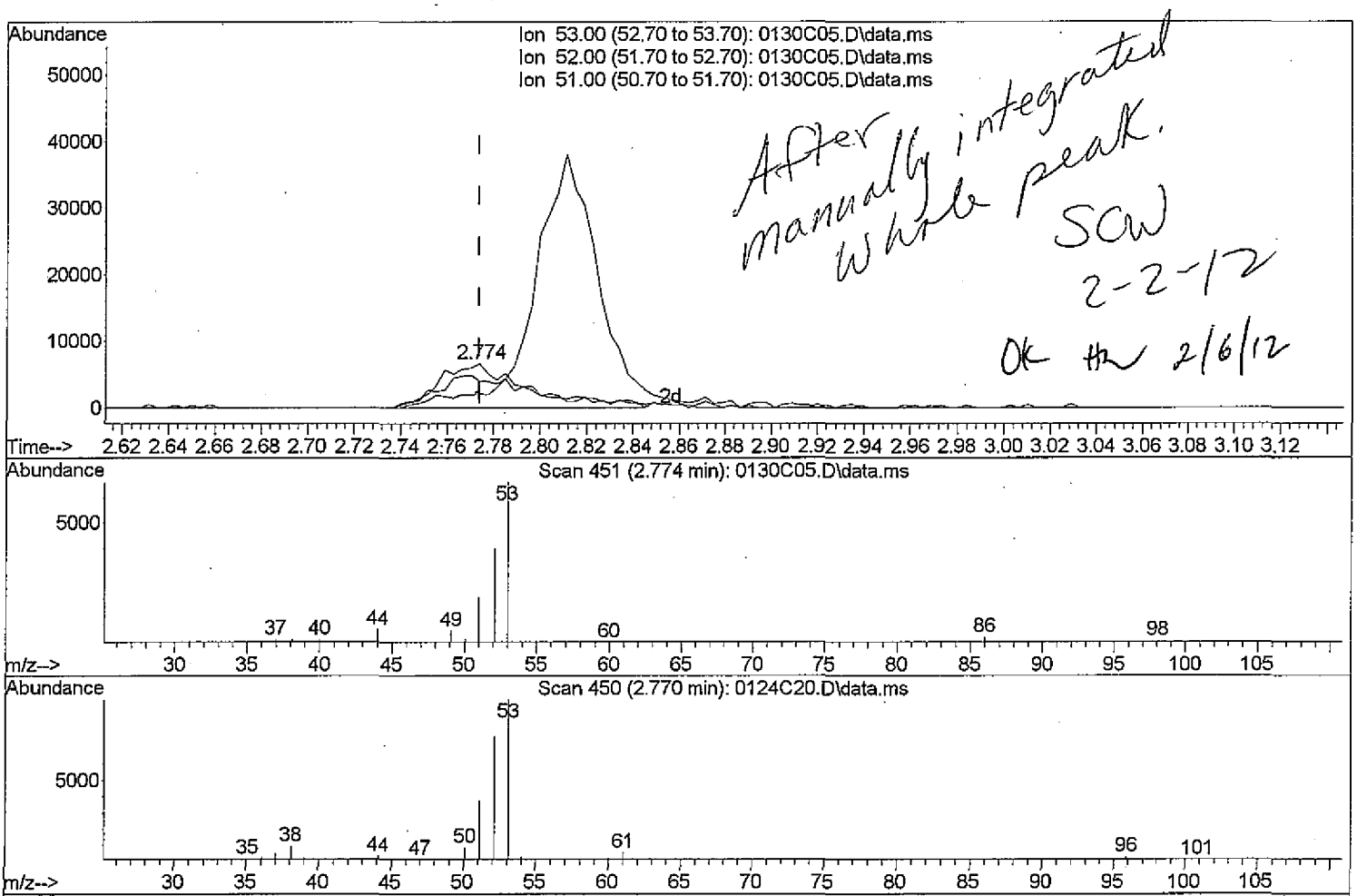
response 15302

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	81.28
51.00	35.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:46:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration



After manually integrated whole peak. SCW 2-2-12 OK thru 2/6/12

(10) ACRYLONITRILE (TMCP)

2.774min (-0.000) 4.78ug/L m

response 16846

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	73.83
51.00	35.00	0.00#
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\data\01312012\
Data File : 0131C05.D
Acq On : 31 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

4 out ✓

Quant Time: Jan 31 12:38:55 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 09:05:33 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	79	0.00
2	TMCP	DICHLORODIFLUOROMETHANE	0.196 ✓	0.132	32.7#	53	0.00
3	TMCP	CHLOROMETHANE	0.408 ✓	0.353	13.5	72	0.00
4	TMCP	VINYL CHLORIDE	0.376 ✓	0.339	9.8	74	0.00
5	TMCP	BROMOMETHANE	0.159	0.169	-6.3	87	0.00
6	TMCP	CHLOROETHANE	0.241	0.242	-0.4	84	0.00
7	TMCP	TRICHLOROFLUOROMETHANE	0.472	0.430	8.9	73	0.00
8	TMCP	ACETONE	0.034	0.056 ✓	-64.7#	134	-0.01
9	TMCP	1,1-DICHLOROETHENE	0.216	0.229	-6.0	85	0.00
10	TMCP	ACRYLONITRILE	0.027	0.027	0.0	71	0.01
11	TMCP	METHYLENE CHLORIDE	0.204	0.224	-9.8	81	0.00
12	TMCP	Freon 113	0.202	0.228	-12.9	82	0.00
13	TMCP	CARBON DISULFIDE	0.738	0.703	4.7	78	0.00
14	TMCP	METHYL ACETATE	0.057	0.066	-15.8	87	-0.01
15	TMCP	TRANS-1,2-DICHLOROETHENE	0.251	0.273	-8.8	83	0.00
16	TMCP	METHYL-TERT-BUTYL ETHER	0.255	0.267	-4.7	78	0.00
17	TMCP	1,1-DICHLOROETHANE	0.466	0.517	-10.9	84	0.00
18	TMCP	VINYL ACETATE	0.177	0.170	4.0	77	-0.01
19	TMCP	2-BUTANONE	0.031	0.048	-54.8#	119	0.00
20	TMCP	CIS-1,2-DICHLOROETHENE	0.255	0.281	-10.2	83	0.00
21	TMCP	BROMOCHLOROMETHANE	0.080	0.091	-13.7	86	0.00
22	TMCP	CHLOROFORM	0.399	0.447	-12.0	85	0.00
23	TMCP	2,2-DICHLOROPROPANE	0.247	0.260	-5.3	82	0.00
24	S	1,2-DICHLOROETHANE-d4	0.214	0.214	0.0	80	0.00
25	TMCP	1,2-DICHLOROETHANE	0.192	0.218	-13.5	84	0.00
26	TMCP	1,1,1-TRICHLOROETHANE	0.344	0.367	-6.7	83	0.00
27	TMCP	1,1-DICHLOROPROPENE	0.316	0.339	-7.3	85	0.00
28	TMCP	CYCLOHEXANE	0.479	0.557	-16.3	83	0.00
29	TMCP	CARBON TETRACHLORIDE	0.283	0.320	-13.1	91	-0.01
30	TMCP	BENZENE	1.021	1.121	-9.8	85	0.00
31	TMCP	DIBROMOMETHANE	0.073	0.083	-13.7	88	0.00
32	TMCP	1,2-DICHLOROPROPANE	0.229	0.251	-9.6	85	0.00
33	TMCP	TRICHLOROETHENE	0.267	0.291#	-9.0	85	0.00
34	TMCP	BROMODICHLOROMETHANE	0.227	0.264	-16.3	88	0.00
35	TMCP	METHYLCYCLOHEXANE	0.376	0.426	-13.3	79	0.00
36	TMCP	2-CHLOROETHYLVINYL ETHER	0.028	0.022	21.4	56	0.00
37	TMCP	CIS-1,3-DICHLOROPROPENE	0.228	0.252	-10.5	81	0.00
38	I	CHLOROBENZENE-d5	1.000	1.000	0.0	87	0.00

Evaluate Continuing Calibration Report

Data Path : D:\data\01312012\
Data File : 0131C05.D
Acq On : 31 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:38:55 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 09:05:33 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
39	TMCP	4-METHYL-2-PENTANONE	0.085	0.075	11.8	83	0.00
40	TMCP	TRANS-1,3-DICHLOROPROPENE	0.165	0.162	1.8	79	0.00
41	TMCP	1,1,2-TRICHLOROETHANE	0.127	0.131	-3.1	84	0.00
42	S	TOLUENE-d8	1.438	1.368	4.9	82	0.00
43	TMCP	TOLUENE	0.811	0.768	5.3	82	0.00
44	TMCP	1,3-DICHLOROPROPANE	0.241	0.241	0.0	82	0.00
45	TMCP	CHLORODIBROMOMETHANE	0.145	0.144	0.7	83	0.00
46	TMCP	2-HEXANONE	0.054	0.060	-11.1	103	0.00
47	TMCP	1,2-DIBROMOETHANE (EDB)	0.113	0.113	0.0	79	0.00
48	TMCP	TETRACHLOROETHENE	0.230	0.212	7.8	81	0.00
49	TMCP	1,1,1,2-TETRACHLOROETHANE	0.219	0.211	3.7	82	0.00
50	TMCP	CHLOROBENZENE	0.809	0.748	7.5	81	0.00
51	TMCP	ETHYLBENZENE	1.448	1.345	7.1	80	0.00
52	TMCP	BROMOFORM	0.063	0.064	-1.6	80	0.00
53	TMCP	M-XYLENE/P-XYLENE	0.575	0.527	8.3	80	0.00
54	TMCP	STYRENE	0.813	0.781	3.9	83	0.00
55	TMCP	O-XYLENE	0.594	0.547	7.9	82	0.00
56	TMCP	ISOPROPYLBENZENE	1.256	1.113	11.4	78	0.00
57	I	1,4-DICHLOROBENZENE-d4	1.000	1.000	0.0	90	0.00
58	TMCP	1,1,2,2-TETRACHLOROETHANE	0.307	0.287#	6.5	82	0.00
59	TMCP	1,2,3-TRICHLOROPROPANE	0.214	0.200	6.5	80	0.00
60	S	4-BROMOFLUOROBENZENE	0.963	0.921	4.4	90	0.00
61	TMCP	BROMOBENZENE	0.614	0.530	13.7	79	0.00
62	TMCP	N-PROPYLBENZENE	3.651	3.083	15.6	78	0.00
63	TMCP	2-CHLOROTOLUENE	2.183	1.827	16.3	78	0.00
64	TMCP	4-CHLOROTOLUENE	2.167	1.800	16.9	78	0.00
65	TMCP	1,3,5-TRIMETHYLBENZENE	2.573	2.159	16.1	78	0.00
66	TMCP	TERT-BUTYLBENZENE	2.186	1.849	15.4	78	0.00
67	TMCP	1,2,4-TRIMETHYLBENZENE	2.552	2.145	15.9	77	0.00
68	TMCP	SEC-BUTYLBENZENE	3.354	2.831	15.6	80	0.00
69	TMCP	1,3-DICHLOROBENZENE	1.363	1.135	16.7	78	0.00
70	TMCP	1,4-DICHLOROBENZENE	1.294	1.059	18.2	77	0.00
71	TMCP	P-ISOPROPYLTOLUENE	2.506	2.076	17.2	78	0.00
72	TMCP	1,2-DICHLOROBENZENE	1.058	0.874	17.4	77	0.00
73	TMCP	N-BUTYLBENZENE	2.360	2.003	15.1	79	0.00
74	TMCP	1,2-DIBROMO-3-CHLOROPROPANE	0.034	0.029	14.7	77	0.00
75	TMCP	1,2,4-TRICHLOROBENZENE	0.589	0.432	26.7#	69	0.00
76	TMCP	NAPHTHALENE	0.810	0.644	20.5	66	0.00

Evaluate Continuing Calibration Report

Data Path : D:\data\01312012\
Data File : 0131C05.D
Acq On : 31 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:38:55 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 09:05:33 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
77 TMCP HEXACHLOROBUTADIENE	0.381	0.306	19.7	77	0.00
78 TMCP 1,2,3-TRICHLOROBENZENE	0.503	0.392	22.1	71	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 4

DIM0218843 DIM0219084

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 0131C05.D
Acq On : 31 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
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Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 09:05:33 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.376	114	471430	4.00	ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	416428	4.00	ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	194911	4.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-DICHLOROETHANE-d4	5.342	65	100750	3.99	ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 99.75%			
42) TOLUENE-d8	8.472	98	569636	3.80	ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 95.00%			
60) 4-BROMOFLUOROBENZENE	11.531	95	179576	3.83	ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 95.75%			

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	1.203	85	77701	3.37	ug/L	99
3) CHLOROMETHANE	1.304	50	207765	4.33	ug/L	99
4) VINYL CHLORIDE	1.417	62	200041	4.52	ug/L	99
5) BROMOMETHANE	1.660	94	99518	5.30	ug/L	99
6) CHLOROETHANE	1.765	64	142716	5.02	ug/L	99
7) TRICHLOROFLUOROMETHANE	2.185	101	253404	4.56	ug/L	99
8) ACETONE	2.339	43	32750	8.12	ug/L #	67
9) 1,1-DICHLOROETHENE	2.643	96	135004	5.30	ug/L	96
10) ACRYLONITRILE	2.778	53	16017	4.96	ug/L #	1
11) METHYLENE CHLORIDE	2.811	84	132018	5.48	ug/L #	78
12) Freon 113	2.890	101	134563	5.64	ug/L	89
13) CARBON DISULFIDE	2.924	76	414017	4.76	ug/L	100
14) METHYL ACETATE	2.942	43	39098	5.85	ug/L #	73
15) TRANS-1,2-DICHLOROETHENE	3.527	96	160811	5.43	ug/L	98
16) METHYL-TERT-BUTYL ETHER	3.711	73	157062	5.22	ug/L #	94
17) 1,1-DICHLOROETHANE	3.801	63	304653	5.54	ug/L	98
18) VINYL ACETATE	4.086	43	100154	4.79	ug/L	98
19) 2-BUTANONE	4.393	43	28025	7.56	ug/L #	87
20) CIS-1,2-DICHLOROETHENE	4.453	96	165609	5.51	ug/L	99
21) BROMOCHLOROMETHANE	4.618	128	53609	5.72	ug/L #	73
22) CHLOROFORM	4.701	83	263557	5.60	ug/L	98
23) 2,2-DICHLOROPROPANE	4.764	77	153436	5.27	ug/L	96
25) 1,2-DICHLOROETHANE	5.428	62	128330	5.66	ug/L	98
26) 1,1,1-TRICHLOROETHANE	5.522	97	216111	5.32	ug/L #	92
27) 1,1-DICHLOROPROPENE	5.761	75	199742	5.37	ug/L	98
28) CYCLOHEXANE	5.810	56	328203	5.82	ug/L	85
29) CARBON TETRACHLORIDE	5.915	117	188369	5.65	ug/L	98
30) BENZENE	5.994	78	660602	5.49	ug/L	100
31) DIBROMOMETHANE	6.635	93	49078	5.73	ug/L #	82
32) 1,2-DICHLOROPROPANE	6.706	63	147693	5.48	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 0131C05.D
Acq On : 31 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:38:55 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 09:05:33 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
33) TRICHLOROETHENE	6.766	130	171433	5.45 ug/L	99
34) BROMODICHLOROMETHANE	6.811	83	155703	5.82 ug/L	98
35) METHYLCYCLOHEXANE	7.332	83	250913	5.67 ug/L	90
36) 2-CHLOROETHYLVINYL ETHER	7.463	63	12922	3.96 ug/L #	93
37) CIS-1,3-DICHLOROPROPENE	7.640	75	148450	5.54 ug/L	100
39) 4-METHYL-2-PENTANONE	7.872	43	39255	4.41 ug/L #	92
40) TRANS-1,3-DICHLOROPROPENE	8.194	75	84071	4.89 ug/L	100
41) 1,1,2-TRICHLOROETHANE	8.329	97	68430	5.18 ug/L	98
43) TOLUENE	8.550	92	399558	4.73 ug/L	99
44) 1,3-DICHLOROPROPANE	8.625	76	125408	5.00 ug/L	100
45) CHLORODIBROMOMETHANE	8.869	129	74808	4.96 ug/L #	95
46) 2-HEXANONE	8.944	43	31043	5.52 ug/L #	95
47) 1,2-DIBROMOETHANE (EDB)	9.150	107	58939	4.99 ug/L #	98
48) TETRACHLOROETHENE	9.409	164	110225	4.61 ug/L	97
49) 1,1,1,2-TETRACHLOROETHANE	10.155	131	109718	4.82 ug/L	95
50) CHLOROBENZENE	10.234	112	389565	4.62 ug/L	97
51) ETHYLBENZENE	10.526	91	700201	4.64 ug/L	100
52) BROMOFORM	10.743	173	33361	5.10 ug/L #	96
53) M-XYLENE/P-XYLENE	10.758	106	548852	9.18 ug/L	96
54) STYRENE	11.088	104	812564	9.60 ug/L	96
55) O-XYLENE	11.156	106	569074	9.20 ug/L	97
56) ISOPROPYLBENZENE	11.534	105	579145	4.43 ug/L	100
58) 1,1,2,2-TETRACHLOROETHANE	11.144	83	69998	4.67 ug/L #	99
59) 1,2,3-TRICHLOROPROPANE	11.283	75	48669	4.67 ug/L	98
61) BROMOBENZENE	11.684	156	129082	4.31 ug/L	95
62) N-PROPYLBENZENE	11.950	91	751251	4.22 ug/L	98
63) 2-CHLOROTOLUENE	11.992	91	445140	4.19 ug/L	98
64) 4-CHLOROTOLUENE	12.070	91	438585	4.15 ug/L	99
65) 1,3,5-TRIMETHYLBENZENE	12.254	105	526094	4.20 ug/L	100
66) TERT-BUTYLBENZENE	12.457	119	450368	4.23 ug/L	100
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	522540	4.20 ug/L	100
68) SEC-BUTYLBENZENE	12.648	105	689831	4.22 ug/L	100
69) 1,3-DICHLOROBENZENE	12.659	146	276621	4.17 ug/L	98
70) 1,4-DICHLOROBENZENE	12.723	146	258032	4.09 ug/L	99
71) P-ISOPROPYLTOLUENE	12.828	119	505883	4.14 ug/L	98
72) 1,2-DICHLOROBENZENE	13.000	146	213049	4.13 ug/L	99
73) N-BUTYLBENZENE	13.161	91	488080	4.24 ug/L	97
74) 1,2-DIBROMO-3-CHLOROPR...	13.382	75	7074	4.26 ug/L	93
75) 1,2,4-TRICHLOROBENZENE	14.447	180	105331	3.67 ug/L #	98
76) NAPHTHALENE	14.623	128	156839	3.98 ug/L	99
77) HEXACHLOROBUTADIENE	14.698	225	74640	4.02 ug/L #	81
78) 1,2,3-TRICHLOROBENZENE	14.769	180	95602	3.90 ug/L #	98

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 0131C05.D
Acq On : 31 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:38:55 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 09:05:33 2012
Response via : Initial Calibration

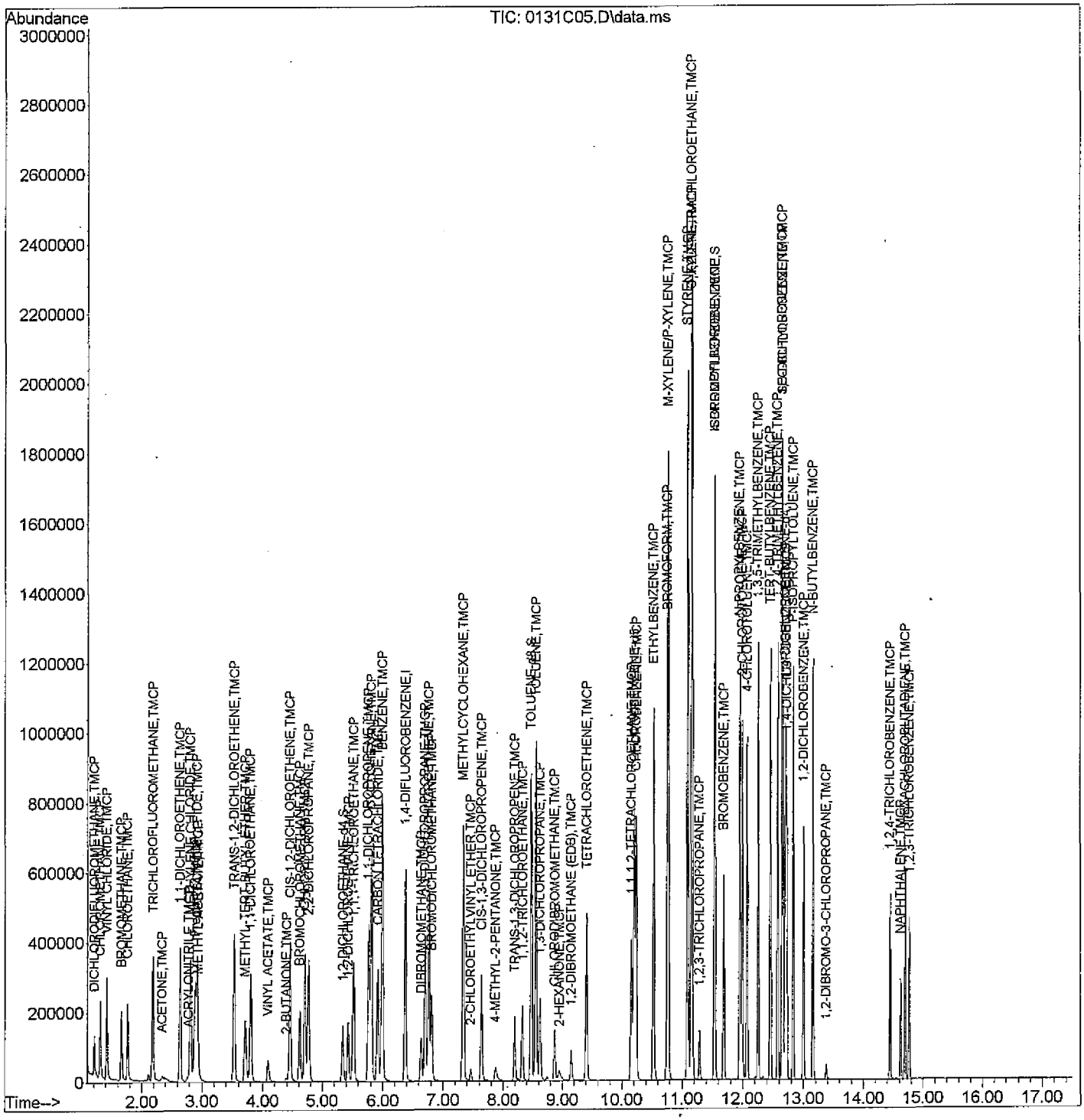
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 0131C05.D
Acq On : 31 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:38:55 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 09:05:33 2012
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

3 out /

Quant Time: Feb 02 10:16:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	74	0.00
2	TMCP	DICHLORODIFLUOROMETHANE	0.196	0.177	9.7	66	0.00
3	TMCP	CHLOROMETHANE	0.408	0.387	5.1	73	0.00
4	TMCP	VINYL CHLORIDE	0.376	0.376	0.0	77	0.00
5	TMCP	BROMOMETHANE	0.159	0.148	6.9	71	0.00
6	TMCP	CHLOROETHANE	0.241	0.250	-3.7	81	0.00
7	TMCP	TRICHLOROFLUOROMETHANE	0.472	0.530	-12.3	84	0.00
8	TMCP	ACETONE	0.034	0.051	-50.0#	114	0.03
9	TMCP	1,1-DICHLOROETHENE	0.216	0.219	-1.4	76	0.00
10	TMCP	ACRYLONITRILE	0.027	0.030	-11.1	73	-0.01
11	TMCP	METHYLENE CHLORIDE	0.204	0.217	-6.4	73	0.00
12	TMCP	Freon 113	0.202	0.203	-0.5	68	0.00
13	TMCP	CARBON DISULFIDE	0.738	0.775	-5.0	80	0.00
14	TMCP	METHYL ACETATE	0.057	0.063	-10.5	78	0.01
15	TMCP	TRANS-1,2-DICHLOROETHENE	0.251	0.263	-4.8	74	0.00
16	TMCP	METHYL-TERT-BUTYL ETHER	0.255	0.244	4.3	67	0.00
17	TMCP	1,1-DICHLOROETHANE	0.466	0.514	-10.3	78	0.00
18	TMCP	VINYL ACETATE	0.177	0.184	-4.0	78	0.00
19	TMCP	2-BUTANONE	0.031	0.041	-32.3#	96	0.00
20	TMCP	CIS-1,2-DICHLOROETHENE	0.255	0.272	-6.7	75	0.00
21	TMCP	BROMOCHLOROMETHANE	0.080	0.084	-5.0	74	0.00
22	TMCP	CHLOROFORM	0.399	0.440	-10.3	79	0.00
23	TMCP	2,2-DICHLOROPROPANE	0.247	0.249	-0.8	73	0.00
24	S	1,2-DICHLOROETHANE-d4	0.214	0.212	0.9	74	0.00
25	TMCP	1,2-DICHLOROETHANE	0.192	0.213	-10.9	77	0.00
26	TMCP	1,1,1-TRICHLOROETHANE	0.344	0.366	-6.4	78	0.00
27	TMCP	1,1-DICHLOROPROPENE	0.316	0.319	-0.9	74	0.00
28	TMCP	CYCLOHEXANE	0.479	0.514	-7.3	72	0.00
29	TMCP	CARBON TETRACHLORIDE	0.283	0.305	-7.8	81	0.00
30	TMCP	BENZENE	1.021	1.093	-7.1	77	0.00
31	TMCP	DIBROMOMETHANE	0.073	0.076	-4.1	75	0.00
32	TMCP	1,2-DICHLOROPROPANE	0.229	0.241	-5.2	76	0.00
33	TMCP	TRICHLOROETHENE	0.267	0.278#	-4.1	76	0.00
34	TMCP	BROMODICHLOROMETHANE	0.227	0.258	-13.7	80	0.00
35	TMCP	METHYLCYCLOHEXANE	0.376	0.382	-1.6	67	0.00
36	TMCP	2-CHLOROETHYLVINYL ETHER	0.028	0.013	53.6#	31#	0.00
37	TMCP	CIS-1,3-DICHLOROPROPENE	0.228	0.244	-7.0	74	0.00
38	I	CHLOROBENZENE-d5	1.000	1.000	0.0	86	0.00

Evaluate Continuing Calibration Report

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 10:16:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
39	TMCP	4-METHYL-2-PENTANONE	0.085	0.076	10.6	82	0.00
40	TMCP	TRANS-1,3-DICHLOROPROPENE	0.165	0.146	11.5	70	0.00
41	TMCP	1,1,2-TRICHLOROETHANE	0.127	0.119	6.3	75	0.00
42	S	TOLUENE-d8	1.438	1.317	8.4	78	0.00
43	TMCP	TOLUENE	0.811	0.729	10.1	77	0.00
44	TMCP	1,3-DICHLOROPROPANE	0.241	0.221	8.3	74	0.00
45	TMCP	CHLORODIBROMOMETHANE	0.145	0.138	4.8	79	0.00
46	TMCP	2-HEXANONE	0.054	0.057	-5.6	97	0.00
47	TMCP	1,2-DIBROMOETHANE (EDB)	0.113	0.106	6.2	73	0.00
48	TMCP	TETRACHLOROETHENE	0.230	0.199#	13.5	75	0.00
49	TMCP	1,1,1,2-TETRACHLOROETHANE	0.219	0.198	9.6	76	0.00
50	TMCP	CHLOROBENZENE	0.809	0.728	10.0	78	0.00
51	TMCP	ETHYLBENZENE	1.448	1.331	8.1	78	0.00
52	TMCP	BROMOFORM	0.063	0.061	3.2	75	0.00
53	TMCP	M-XYLENE/P-XYLENE	0.575	0.527	8.3	79	0.00
54	TMCP	STYRENE	0.813	0.768	5.5	80	0.00
55	TMCP	O-XYLENE	0.594	0.543	8.6	81	0.00
56	TMCP	ISOPROPYLBENZENE	1.256	1.121	10.7	78	0.00
57	I	1,4-DICHLOROBENZENE-d4	1.000	1.000	0.0	90	0.00
58	TMCP	1,1,2,2-TETRACHLOROETHANE	0.307	0.260#	15.3	73	0.00
59	TMCP	1,2,3-TRICHLOROPROPANE	0.214	0.179	16.4	71	0.00
60	S	4-BROMOFLUOROBENZENE	0.963	0.912	5.3	88	0.00
61	TMCP	BROMOBENZENE	0.614	0.522	15.0	78	0.00
62	TMCP	N-PROPYLBENZENE	3.651	3.181	12.9	79	0.00
63	TMCP	2-CHLOROTOLUENE	2.183	1.886	13.6	80	0.00
64	TMCP	4-CHLOROTOLUENE	2.167	1.860	14.2	80	0.00
65	TMCP	1,3,5-TRIMETHYLBENZENE	2.573	2.280	11.4	82	0.00
66	TMCP	TERT-BUTYLBENZENE	2.186	1.903	12.9	80	0.00
67	TMCP	1,2,4-TRIMETHYLBENZENE	2.552	2.286	10.4	81	0.00
68	TMCP	SEC-BUTYLBENZENE	3.354	2.912	13.2	82	0.00
69	TMCP	1,3-DICHLOROBENZENE	1.363	1.178	13.6	80	0.00
70	TMCP	1,4-DICHLOROBENZENE	1.294	1.100	15.0	79	0.00
71	TMCP	P-ISOPROPYLTOLUENE	2.506	2.210	11.8	82	0.00
72	TMCP	1,2-DICHLOROBENZENE	1.058	0.895	15.4	78	0.00
73	TMCP	N-BUTYLBENZENE	2.360	2.151	8.9	84	0.00
74	TMCP	1,2-DIBROMO-3-CHLOROPROPANE	0.034	0.029	14.7	76	0.00
75	TMCP	1,2,4-TRICHLOROBENZENE	0.589	0.495	16.0	78	0.00
76	TMCP	NAPHTHALENE	0.810	0.665	17.9	68	0.00

DIM0218843 DIM0219090

Evaluate Continuing Calibration Report

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 10:16:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
77 TMCP HEXACHLOROBUTADIENE	0.381	0.325	14.7	81	0.00
78 TMCP 1,2,3-TRICHLOROBENZENE	0.503	0.434	13.7	78	0.00

(#) = Out of Range SPCC's out = 3 CCC's out = 3

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
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Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.376	114	440375	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	410525	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	193547	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.342	65	93552	3.97 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 99.25%		
42) TOLUENE-d8	8.475	98	540704	3.66 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 91.50%		
60) 4-BROMOFLUOROBENZENE	11.531	95	176441	3.79 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 94.75%		
Target Compounds					Qvalue
2) DICHLORODIFLUOROMETHANE	1.203	85	97604	4.53 ug/L	100
3) CHLOROMETHANE	1.308	50	213103	4.75 ug/L	99
4) VINYL CHLORIDE	1.417	62	207169	5.01 ug/L	98
5) BROMOMETHANE	1.660	94	81432	4.65 ug/L	100
6) CHLOROETHANE	1.765	64	137540	5.18 ug/L	98
7) TRICHLOROFLUOROMETHANE	2.185	101	291853	5.62 ug/L	98
8) ACETONE	2.365	43	28012m	7.44 ug/L	
9) 1,1-DICHLOROETHENE	2.639	96	120327	5.06 ug/L	95
10) ACRYLONITRILE	2.766	53	16513m	5.47 ug/L	
11) METHYLENE CHLORIDE	2.815	84	119713	5.32 ug/L #	77
12) Freon 113	2.882	101	112001	5.03 ug/L	87
13) CARBON DISULFIDE	2.924	76	426715	5.25 ug/L	98
14) METHYL ACETATE	2.954	43	34760	5.57 ug/L	93
15) TRANS-1,2-DICHLOROETHENE	3.527	96	144806	5.23 ug/L	96
16) METHYL-TERT-BUTYL ETHER	3.715	73	134415	4.79 ug/L #	94
17) 1,1-DICHLOROETHANE	3.801	63	282742	5.51 ug/L	97
18) VINYL ACETATE	4.089	43	101251	5.18 ug/L #	95
19) 2-BUTANONE	4.386	43	22560	6.51 ug/L #	89
20) CIS-1,2-DICHLOROETHENE	4.453	96	149512	5.32 ug/L	98
21) BROMOCHLOROMETHANE	4.614	128	46419	5.30 ug/L #	69
22) CHLOROFORM	4.700	83	242327	5.51 ug/L	97
23) 2,2-DICHLOROPROPANE	4.768	77	136879	5.03 ug/L	95
25) 1,2-DICHLOROETHANE	5.431	62	117188	5.53 ug/L #	99
26) 1,1,1-TRICHLOROETHANE	5.521	97	201239	5.31 ug/L #	93
27) 1,1-DICHLOROPROPENE	5.761	75	175508	5.05 ug/L	96
28) CYCLOHEXANE	5.810	56	282947	5.37 ug/L	84
29) CARBON TETRACHLORIDE	5.923	117	167855	5.39 ug/L	99
30) BENZENE	5.994	78	601565	5.35 ug/L	100
31) DIBROMOMETHANE	6.639	93	41864	5.24 ug/L	85
32) 1,2-DICHLOROPROPANE	6.702	63	132777	5.27 ug/L	100

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 10:16:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
33) TRICHLOROETHENE	6.766	130	153003	5.20 ug/L	95
34) BROMODICHLOROMETHANE	6.815	83	142014	5.69 ug/L	99
35) METHYLCYCLOHEXANE	7.336	83	210550	5.09 ug/L	88
36) 2-CHLOROETHYLVINYL ETHER	7.467	63	7132	2.34 ug/L #	85
37) CIS-1,3-DICHLOROPROPENE	7.639	75	134375	5.36 ug/L	98
39) 4-METHYL-2-PENTANONE	7.876	43	38904	4.44 ug/L #	89
40) TRANS-1,3-DICHLOROPROPENE	8.194	75	74822	4.42 ug/L	99
41) 1,1,2-TRICHLOROETHANE	8.325	97	61266	4.70 ug/L	98
43) TOLUENE	8.554	92	374075	4.50 ug/L	98
44) 1,3-DICHLOROPROPANE	8.625	76	113231	4.58 ug/L	100
45) CHLORODIBROMOMETHANE	8.869	129	70948	4.77 ug/L #	98
46) 2-HEXANONE	8.948	43	29425	5.31 ug/L #	70
47) 1,2-DIBROMOETHANE (EDB)	9.150	107	54325	4.66 ug/L #	99
48) TETRACHLOROETHENE	9.409	164	101956	4.32 ug/L	97
49) 1,1,1,2-TETRACHLOROETHANE	10.155	131	101764	4.53 ug/L	96
50) CHLOROBENZENE	10.237	112	373675	4.50 ug/L	96
51) ETHYLBENZENE	10.526	91	683266	4.60 ug/L	100
52) BROMOFORM	10.747	173	31268	4.85 ug/L	97
53) M-XYLENE/P-XYLENE	10.762	106	540846	9.17 ug/L	96
54) STYRENE	11.088	104	788519	9.45 ug/L	95
55) O-XYLENE	11.159	106	557184	9.14 ug/L	98
56) ISOPROPYLBENZENE	11.534	105	575178	4.46 ug/L	98
58) 1,1,2,2-TETRACHLOROETHANE	11.141	83	62925	4.23 ug/L	99
59) 1,2,3-TRICHLOROPROPANE	11.287	75	43373	4.19 ug/L	97
61) BROMOBENZENE	11.684	156	126376	4.25 ug/L	92
62) N-PROPYLBENZENE	11.950	91	769675	4.36 ug/L	97
63) 2-CHLOROTOLUENE	11.992	91	456365	4.32 ug/L	96
64) 4-CHLOROTOLUENE	12.070	91	450087	4.29 ug/L	98
65) 1,3,5-TRIMETHYLBENZENE	12.254	105	551639	4.43 ug/L	100
66) TERT-BUTYLBENZENE	12.456	119	460351	4.35 ug/L	99
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	552988	4.48 ug/L	100
68) SEC-BUTYLBENZENE	12.648	105	704582	4.34 ug/L	99
69) 1,3-DICHLOROBENZENE	12.659	146	285049	4.32 ug/L	99
70) 1,4-DICHLOROBENZENE	12.719	146	266245	4.25 ug/L	99
71) P-ISOPROPYLTOLUENE	12.828	119	534675	4.41 ug/L	98
72) 1,2-DICHLOROBENZENE	13.000	146	216500	4.23 ug/L	100
73) N-BUTYLBENZENE	13.161	91	520305	4.56 ug/L	98
74) 1,2-DIBROMO-3-CHLOROPR...	13.379	75	7047	4.27 ug/L	94
75) 1,2,4-TRICHLOROBENZENE	14.447	180	119734	4.20 ug/L #	97
76) NAPHTHALENE	14.623	128	160876	4.11 ug/L	99
77) HEXACHLOROBUTADIENE	14.698	225	78687	4.27 ug/L #	84
78) 1,2,3-TRICHLOROBENZENE	14.769	180	104934	4.31 ug/L #	96

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 10:16:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

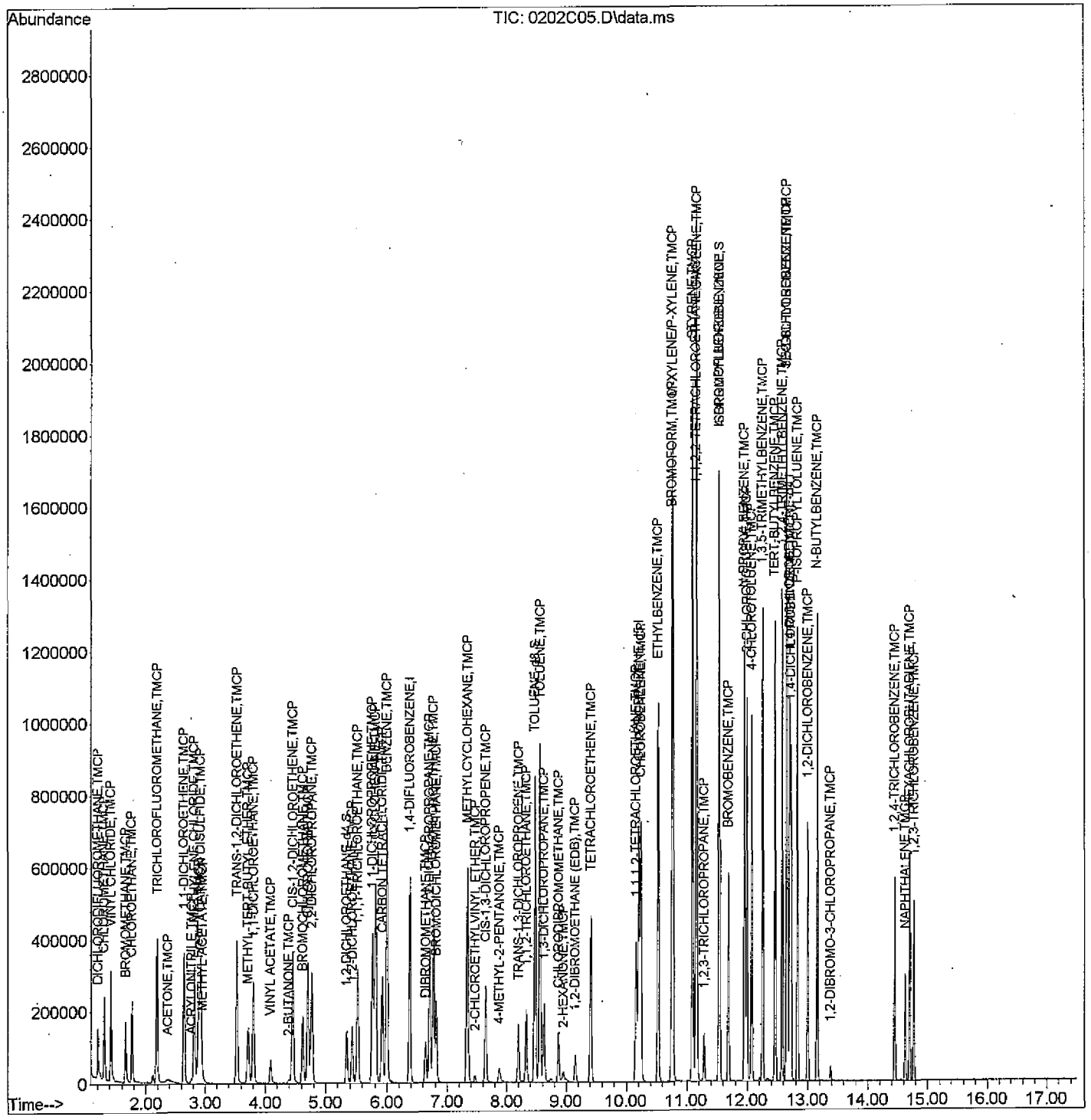
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

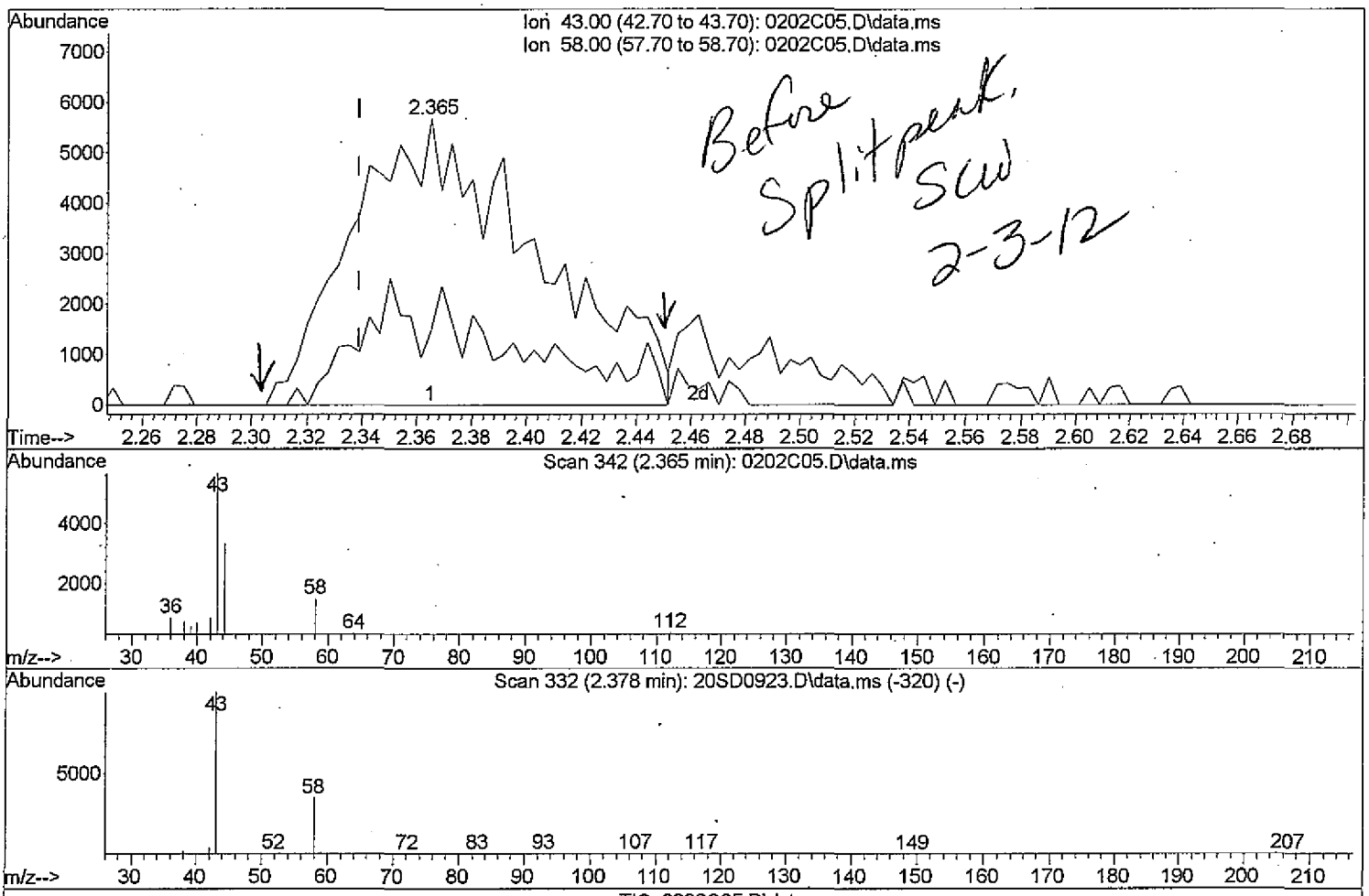
Quant Time: Feb 02 10:16:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 10:14:35 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



TIC: 0202C05.D\data.ms

(8) ACETONE (TMCP)

2.365min (+0.026) 6.92ug/L

response 26071

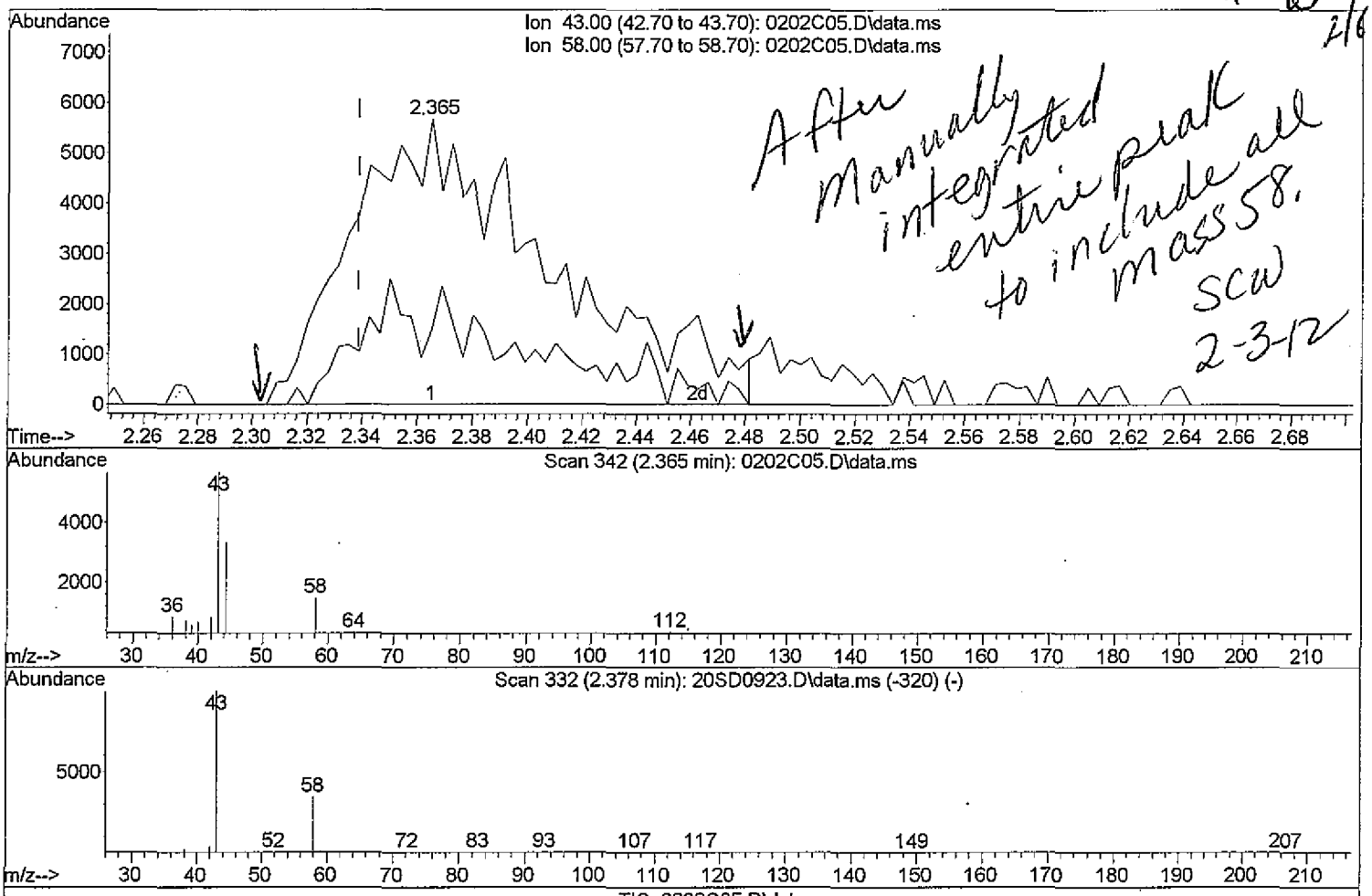
Ion	Exp%	Act%
43.00	100	100
58.00	28.10	2.67#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 10:14:35 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

QC ✓ 2/6/12



After manually integrated entire peak to include all mass 58. SCW 2-3-12

(8) ACETONE (TMCP)

2.365min (+0.026) 7.44ug/L m

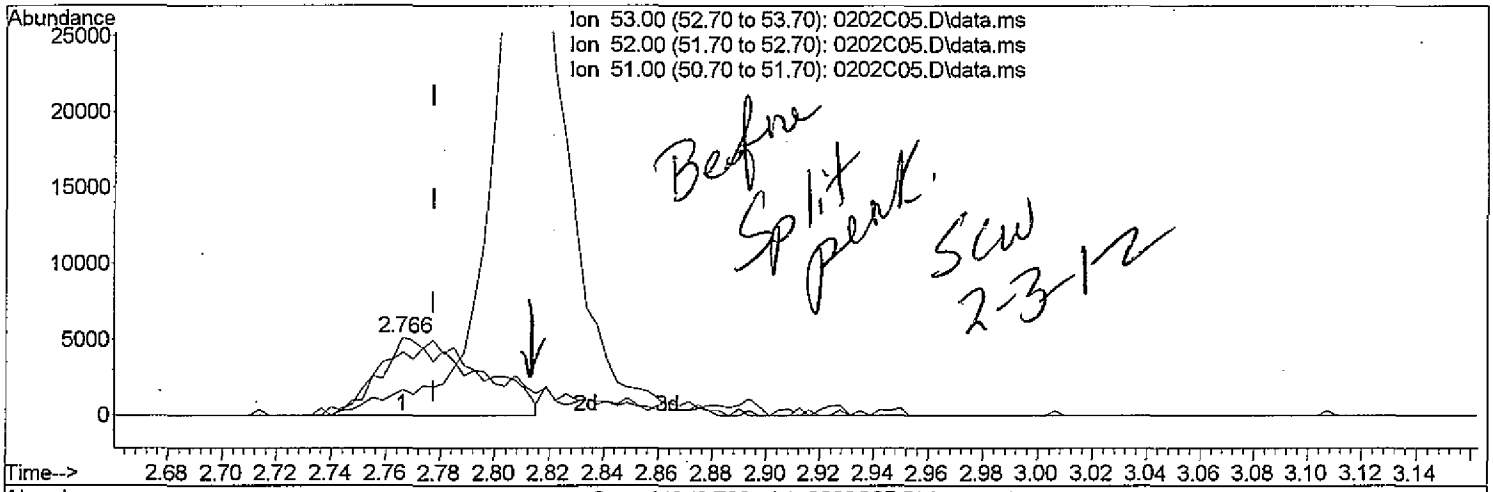
response 28012

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	2.49#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 10:14:35 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



(10) ACRYLONITRILE (TMCP)

2.766min (-0.011) 4.47ug/L

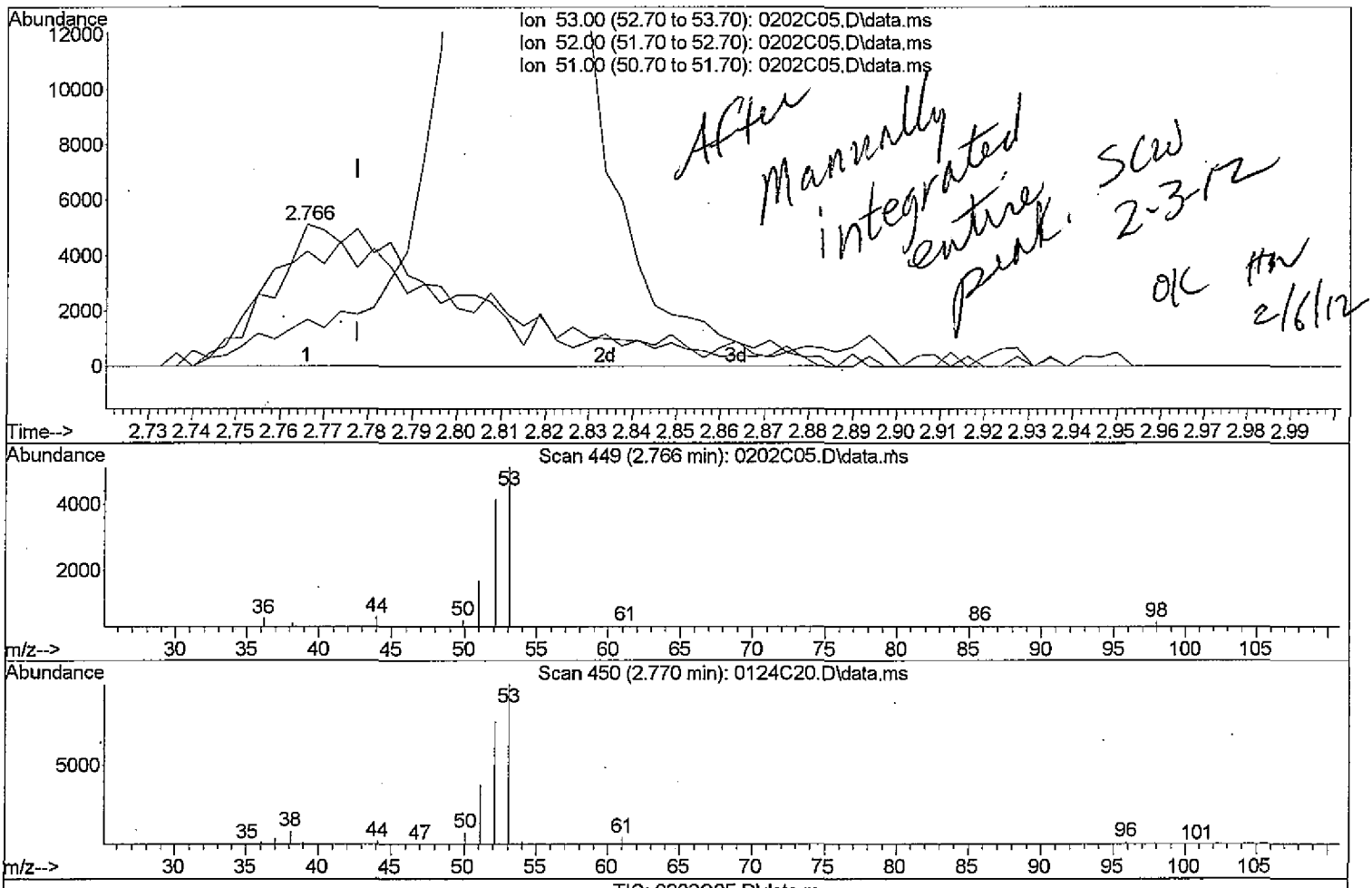
response 13497

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	110.08#
51.00	35.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 10:14:35 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



After manually integrated entire peak. SCW 2-3-12
OK HN 2/6/12

(10) ACRYLONITRILE (TMCP)

2.766min (-0.011) 5.47ug/L m

response 16513

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	89.98
51.00	35.00	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C05.D
Acq On : 24 Jan 2012 5:16 pm
Operator : SCW OBB-AG5975
Sample : 5ppb STD, 2.5uL to 100mL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 26 17:17:34 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:37:22 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	598536	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	478672	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	215567	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.341	65	125789	4.24 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 106.00%		
42) TOLUENE-d8	8.472	98	690827	3.90 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 97.50%		
60) 4-BROMOFLUOROBENZENE	11.530	95	200622	3.91 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 97.75%		

Target Compounds					Qvalue
2) DICHLORODIFLUOROMETHANE	1.203	85	147774	5.29 ug/L	99
3) CHLOROMETHANE	1.308	50	290505	5.80 ug/L	100
4) VINYL CHLORIDE	1.417	62	269983	5.15 ug/L	97
5) BROMOMETHANE	1.664	94	114088	4.17 ug/L	99
6) CHLOROETHANE	1.769	64	170648	5.01 ug/L	99
7) TRICHLOROFLUOROMETHANE	2.189	101	347547	4.63 ug/L	100
8) ACETONE	2.350	43	24480m	4.74 ug/L	
9) 1,1-DICHLOROETHENE	2.642	96	158553	5.25 ug/L	97
10) ACRYLONITRILE	2.774	53	22571m	4.52 ug/L	
11) METHYLENE CHLORIDE	2.815	84	163577	5.84 ug/L #	85
12) Freon 113	2.890	101	164912	5.47 ug/L	89
13) CARBON DISULFIDE	2.927	76	531089	5.22 ug/L	99
14) METHYL ACETATE	2.946	43	44731	5.75 ug/L #	86
15) TRANS-1,2-DICHLOROETHENE	3.531	96	194918	5.38 ug/L	98
16) METHYL-TERT-BUTYL ETHER	3.718	73	201446	5.78 ug/L	95
17) 1,1-DICHLOROETHANE	3.805	63	363498	5.81 ug/L	99
18) VINYL ACETATE	4.089	43	130147	5.10 ug/L	99
19) 2-BUTANONE	4.386	43	23484	4.75 ug/L #	86
20) CIS-1,2-DICHLOROETHENE	4.457	96	199830	5.45 ug/L	99
21) BROMOCHLOROMETHANE	4.622	128	62312	5.19 ug/L #	77
22) CHLOROFORM	4.708	83	308596	5.47 ug/L	99
23) 2,2-DICHLOROPROPANE	4.768	77	187143	5.31 ug/L	97
25) 1,2-DICHLOROETHANE	5.435	62	152568	5.84 ug/L	98
26) 1,1,1-TRICHLOROETHANE	5.525	97	259313	5.05 ug/L	94
27) 1,1-DICHLOROPROPENE	5.765	75	236279	5.27 ug/L	97
28) CYCLOHEXANE	5.810	56	394923	7.50 ug/L	87
29) CARBON TETRACHLORIDE	5.919	117	207628	4.74 ug/L	99
30) BENZENE	5.997	78	776545	5.50 ug/L	99
31) DIBROMOMETHANE	6.635	93	55874	5.45 ug/L	86
32) 1,2-DICHLOROPROPANE	6.706	63	174356	5.79 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C05.D
Acq On : 24 Jan 2012 5:16 pm
Operator : SCW OBB-AG5975
Sample : 5ppb STD, 2.5uL to 100mL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 26 17:17:34 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:37:22 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
33) TRICHLOROETHENE	6.766	130	201606	4.97 ug/L	97
34) BROMODICHLOROMETHANE	6.818	83	176773	5.43 ug/L	97
35) METHYLCYCLOHEXANE	7.336	83	316376	5.73 ug/L	92
36) 2-CHLOROETHYLVINYL ETHER	7.471	63	22964	7.78 ug/L	94
37) CIS-1,3-DICHLOROPROPENE	7.639	75	182207	5.71 ug/L	98
39) 4-METHYL-2-PENTANONE	7.861	43	47532	4.43 ug/L #	76
40) TRANS-1,3-DICHLOROPROPENE	8.194	75	106808	5.31 ug/L	100
41) 1,1,2-TRICHLOROETHANE	8.325	97	81877	5.22 ug/L	98
43) TOLUENE	8.554	92	485675	4.93 ug/L	99
44) 1,3-DICHLOROPROPANE	8.625	76	153438	5.58 ug/L	100
45) CHLORODIBROMOMETHANE	8.865	129	90369	4.92 ug/L #	94
46) 2-HEXANONE	8.944	43	30245	4.25 ug/L #	95
47) 1,2-DIBROMOETHANE (EDB)	9.150	107	74272	5.32 ug/L	96
48) TETRACHLOROETHENE	9.409	164	136205	4.61 ug/L	97
49) 1,1,1,2-TETRACHLOROETHANE	10.158	131	134284	4.86 ug/L	96
50) CHLOROBENZENE	10.233	112	481342	4.80 ug/L	97
51) ETHYLBENZENE	10.526	91	871537	4.85 ug/L	99
52) BROMOFORM	10.743	173	41510	4.94 ug/L #	98
53) M-XYLENE/P-XYLENE	10.762	106	685901	9.09 ug/L	96
54) STYRENE	11.088	104	984426	9.63 ug/L	97
55) O-XYLENE	11.159	106	690074	8.92 ug/L	97
56) ISOPROPYLBENZENE	11.534	105	739213	4.55 ug/L	100
58) 1,1,2,2-TETRACHLOROETHANE	11.144	83	85765	5.02 ug/L	99
59) 1,2,3-TRICHLOROPROPANE	11.287	75	61141	5.62 ug/L	98
61) BROMOBENZENE	11.684	156	162711	4.60 ug/L	93
62) N-PROPYLBENZENE	11.950	91	968503	4.75 ug/L	98
63) 2-CHLOROTOLUENE	11.992	91	569602	4.73 ug/L	98
64) 4-CHLOROTOLUENE	12.070	91	562513	4.71 ug/L	98
65) 1,3,5-TRIMETHYLBENZENE	12.254	105	674449	4.45 ug/L	99
66) TERT-BUTYLBENZENE	12.456	119	577555	4.32 ug/L	99
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	680504	4.60 ug/L	100
68) SEC-BUTYLBENZENE	12.648	105	859154	4.36 ug/L	99
69) 1,3-DICHLOROBENZENE	12.659	146	355435	4.35 ug/L	99
70) 1,4-DICHLOROBENZENE	12.719	146	337013	4.45 ug/L	99
71) P-ISOPROPYLTOLUENE	12.828	119	651179	4.35 ug/L	98
72) 1,2-DICHLOROBENZENE	13.004	146	278107	4.55 ug/L	100
73) N-BUTYLBENZENE	13.161	91	618544	4.52 ug/L	99
74) 1,2-DIBROMO-3-CHLOROPR...	13.386	75	9235	4.90 ug/L	89
75) 1,2,4-TRICHLOROBENZENE	14.447	180	152604	4.28 ug/L #	98
76) NAPHTHALENE	14.623	128	238315	5.13 ug/L	98
77) HEXACHLOROBUTADIENE	14.698	225	96758	3.98 ug/L #	84
78) 1,2,3-TRICHLOROBENZENE	14.769	180	134387	4.56 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C05.D
Acq On : 24 Jan 2012 5:16 pm
Operator : SCW OBB-AG5975
Sample : 5ppb STD, 2.5uL to 100mL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 26 17:17:34 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:37:22 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

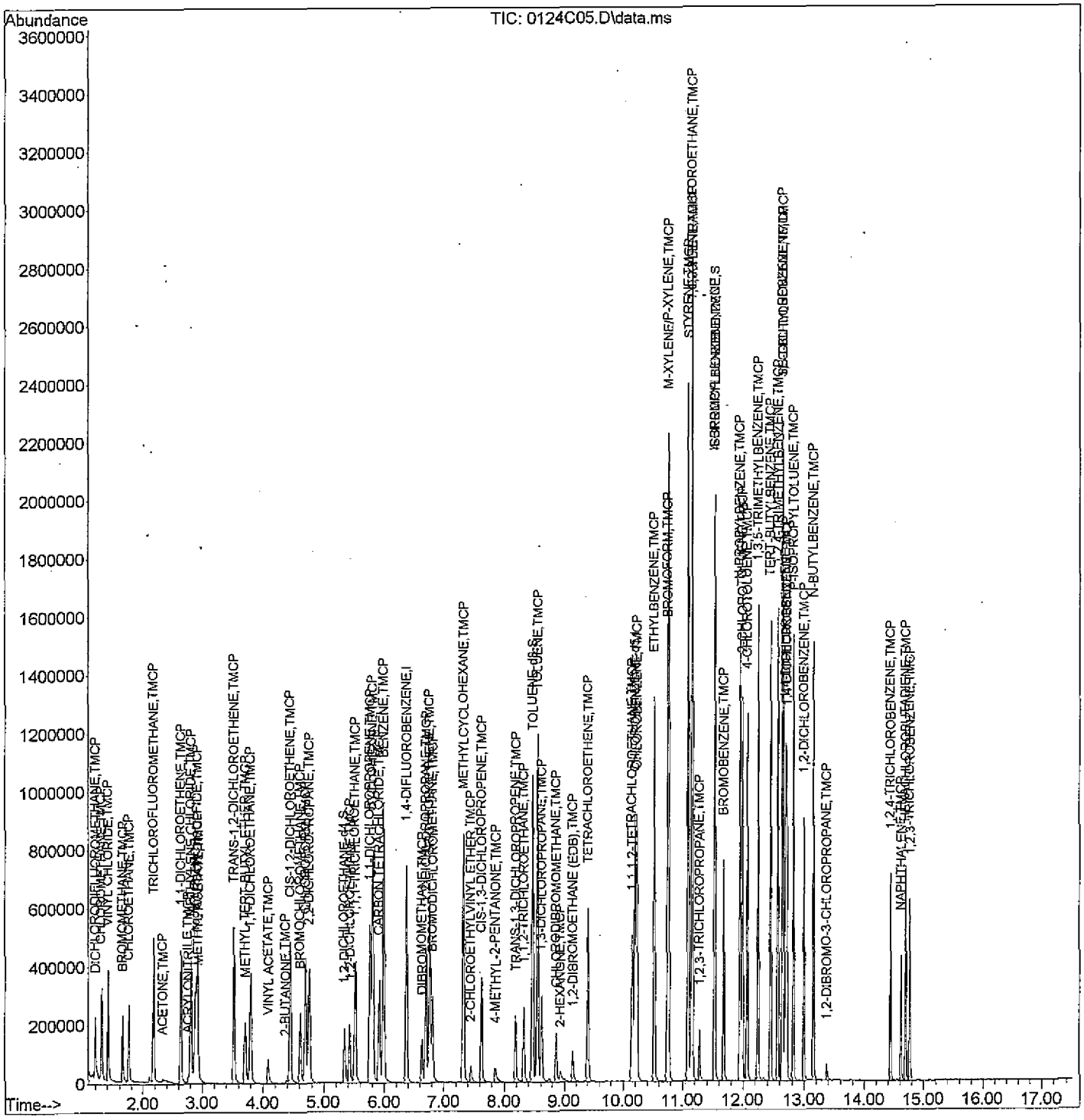
(#) = qualifier out of range (m) = manual integration (+) = signals summed

DIM0218843 DIM0219102

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C05.D
Acq On : 24 Jan 2012 5:16 pm
Operator : SCW OBB-AG5975
Sample : 5ppb STD, 2.5uL to 100mL
Misc :
ALS Vial : 5 Sample Multiplier: 1

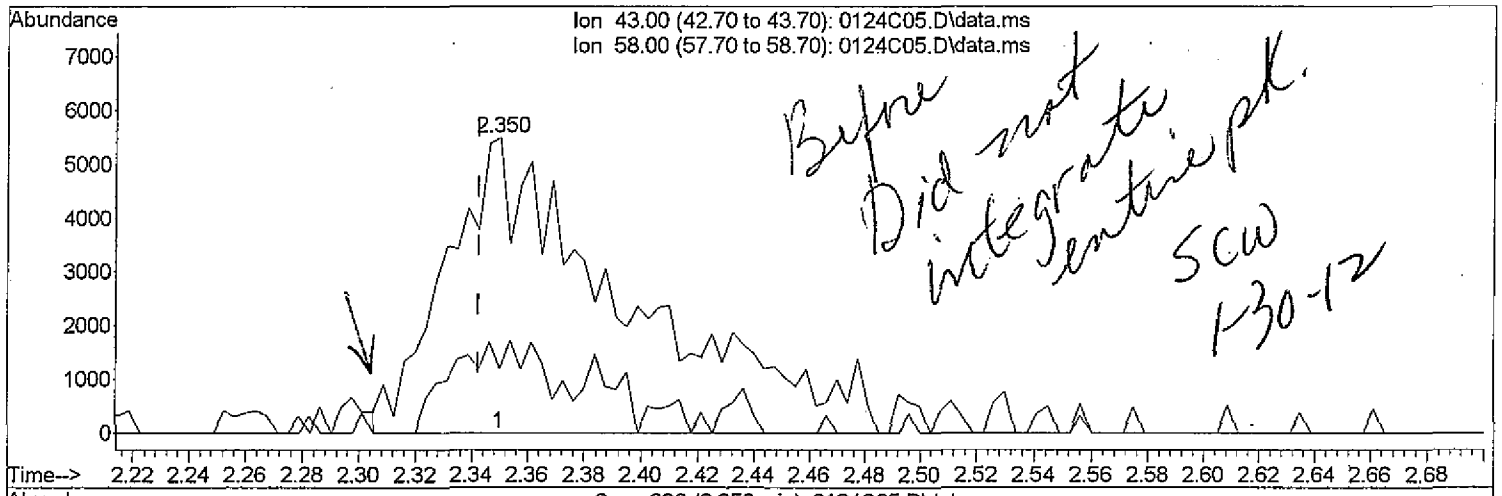
Quant Time: Jan 26 17:17:34 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:37:22 2012
Response via : Initial Calibration

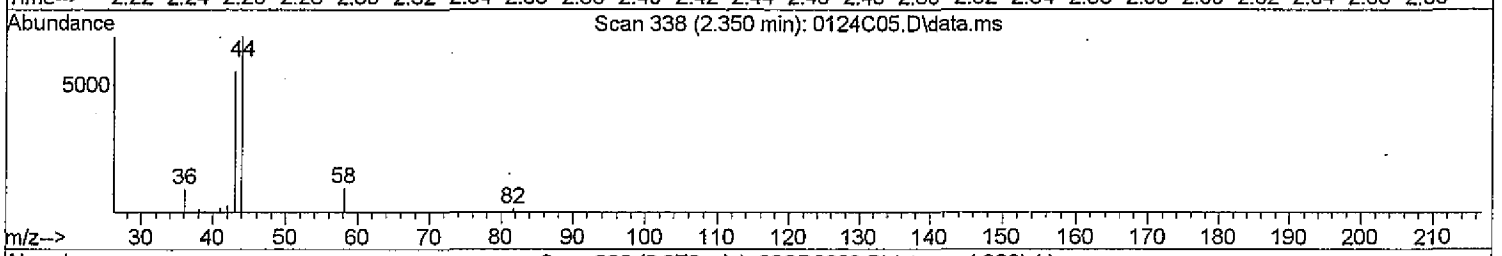


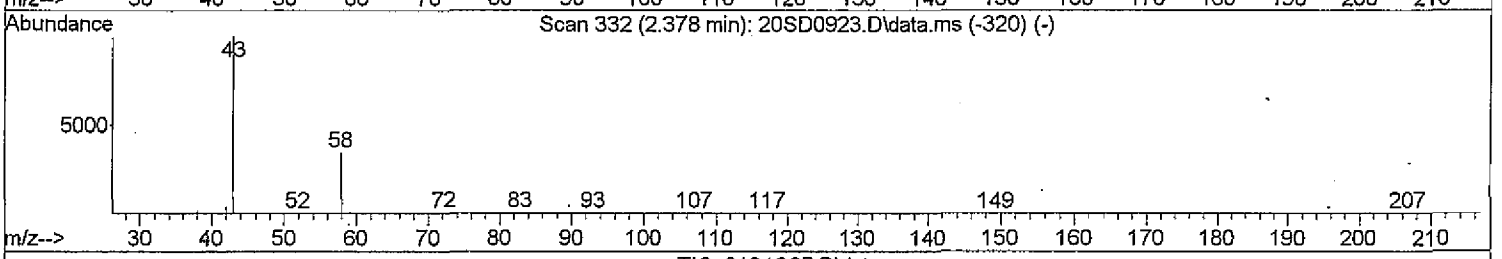
Quantitation Report (Qedit)

Data Path : D:\data\01242012\
Data File : 0124C05.D
Acq On : 24 Jan 2012 5:16 pm
Operator : SCW OBB-AG5975
Sample : 5ppb STD, 2.5uL to 100mL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 25 09:37:31 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:37:22 2012
Response via : Initial Calibration







TIC: 0124C05.D\data.ms

(8) ACETONE (TMCP)

2.350min (+0.007) 4.65ug/L

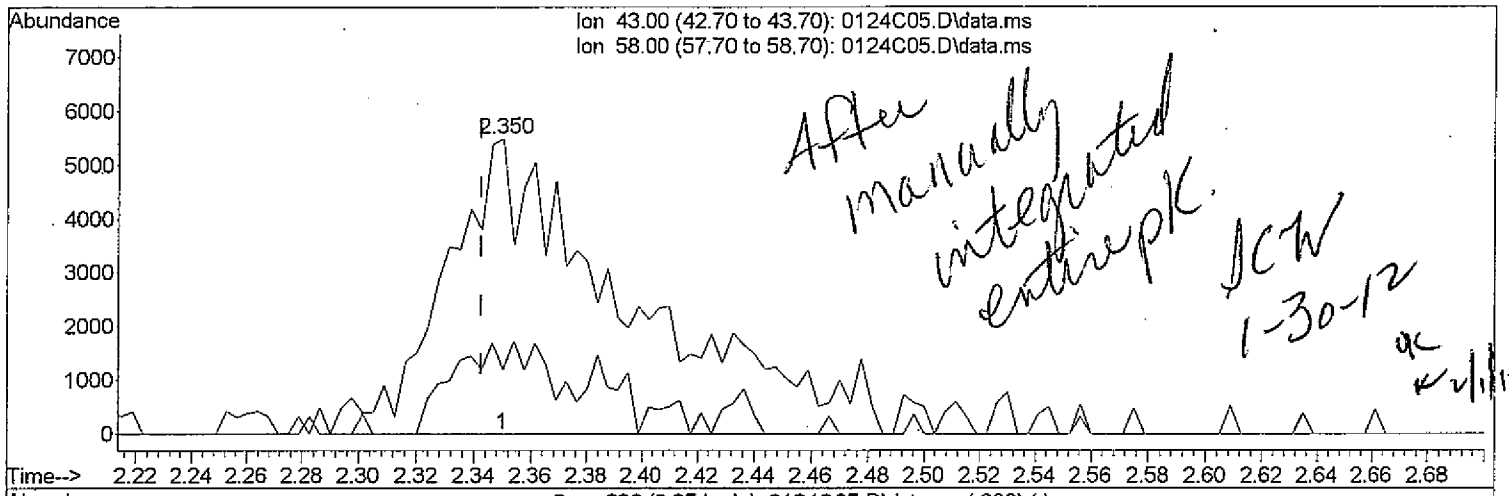
response 24048

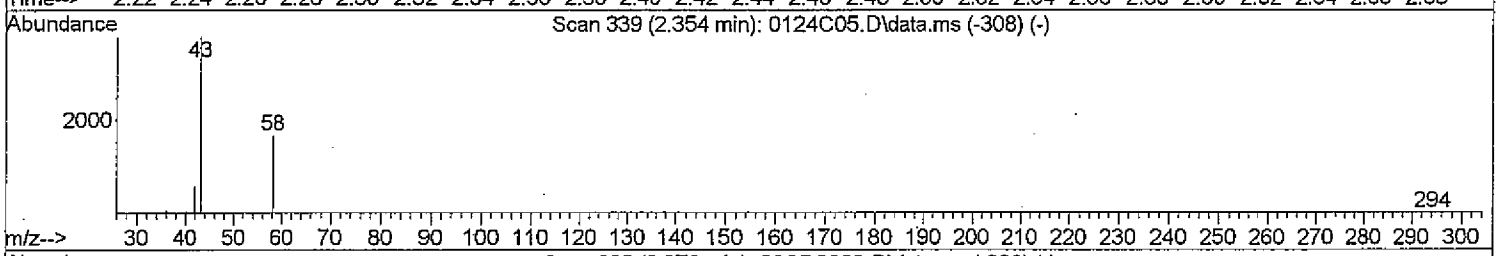
Ion	Exp%	Act%
43.00	100	100
58.00	28.10	8.47#
0.00	0.00	0.00
0.00	0.00	0.00

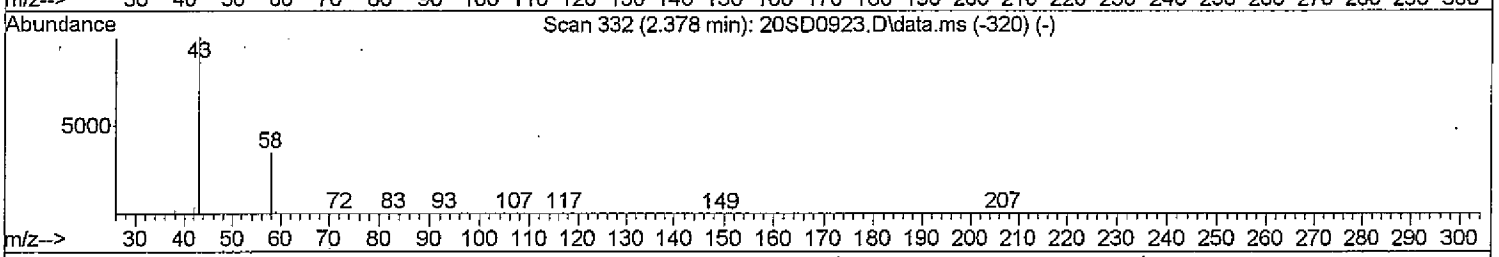
Quantitation Report (Qedit)

Data Path : D:\data\01242012\
Data File : 0124C05.D
Acq On : 24 Jan 2012 5:16 pm
Operator : SCW OBB-AG5975
Sample : 5ppb STD, 2.5uL to 100mL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 25 09:37:31 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:37:22 2012
Response via : Initial Calibration







TIC: 0124C05.D\data.ms

(8) ACETONE (TMCP)

2.350min (+0.007) 4.74ug/L m

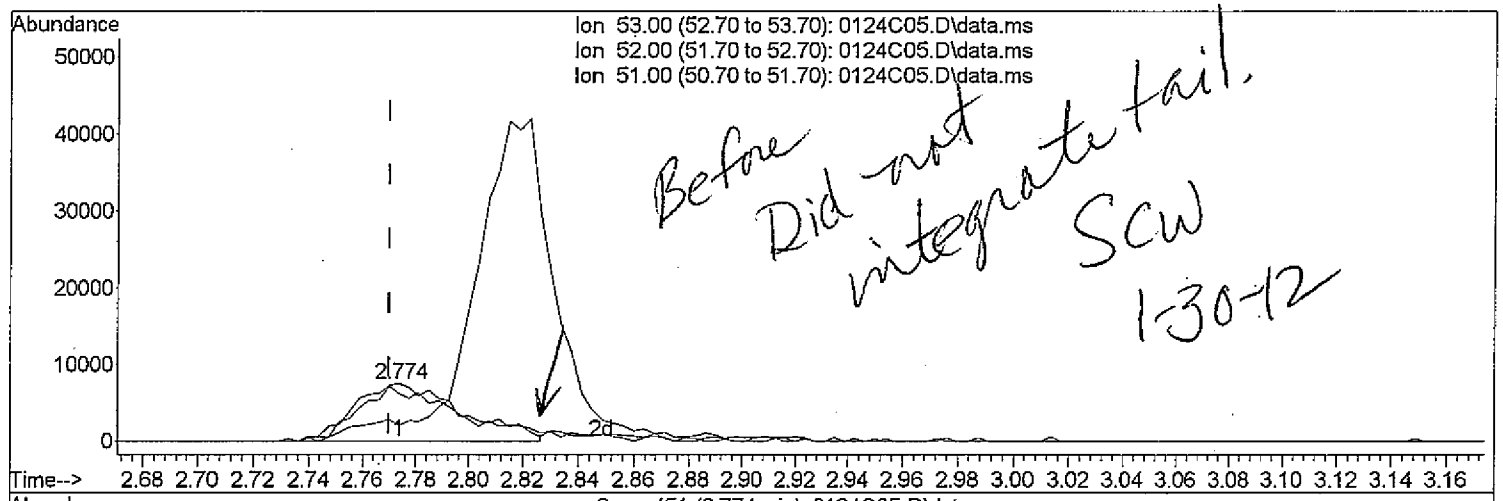
response 24480

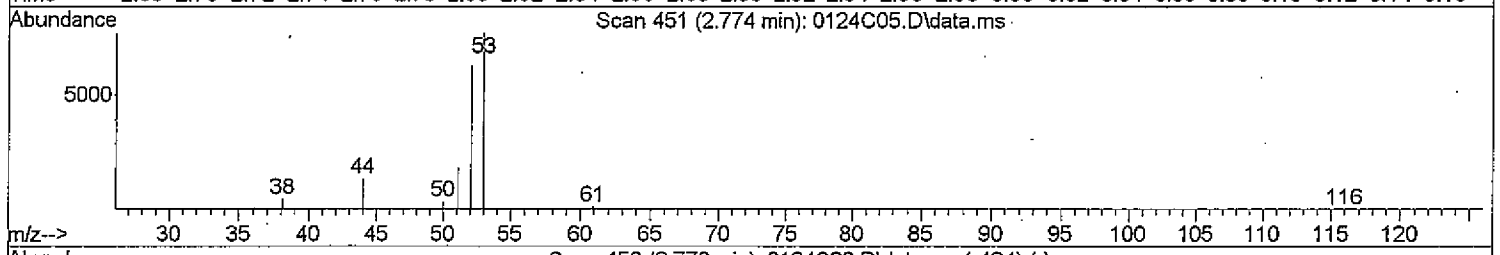
Ion	Exp%	Act%
43.00	100	100
58.00	28.10	8.32#
0.00	0.00	0.00
0.00	0.00	0.00

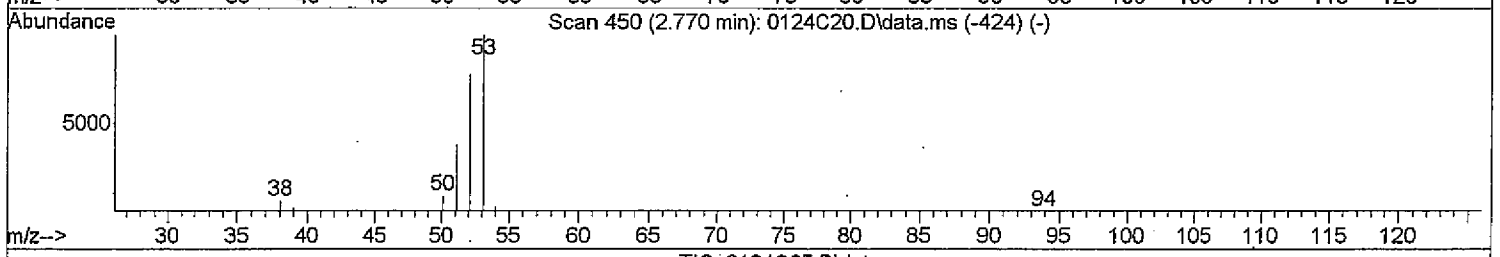
Quantitation Report (Qedit)

Data Path : D:\data\01242012\
Data File : 0124C05.D
Acq On : 24 Jan 2012 5:16 pm
Operator : SCW OBB-AG5975
Sample : 5ppb STD, 2.5uL to 100mL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 25 08:33:06 2012
Quant Method : D:\methods\12192011.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 08:32:58 2012
Response via : Initial Calibration







TIC: 0124C05.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.774min (+0.004) 10.50ug/L

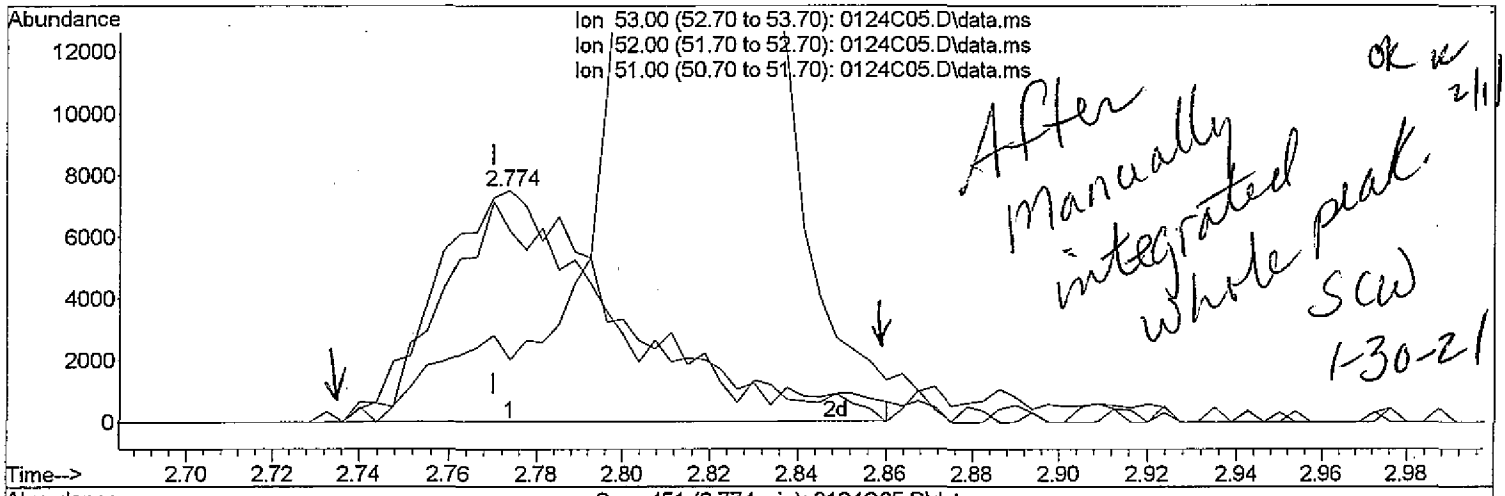
response 20914

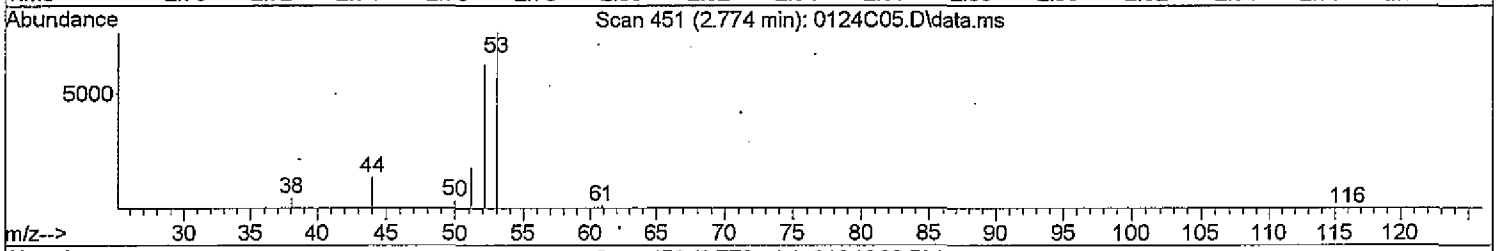
Ion	Exp%	Act%
53.00	100	100
52.00	80.00	90.30
51.00	35.00	16.59#
0.00	0.00	0.00

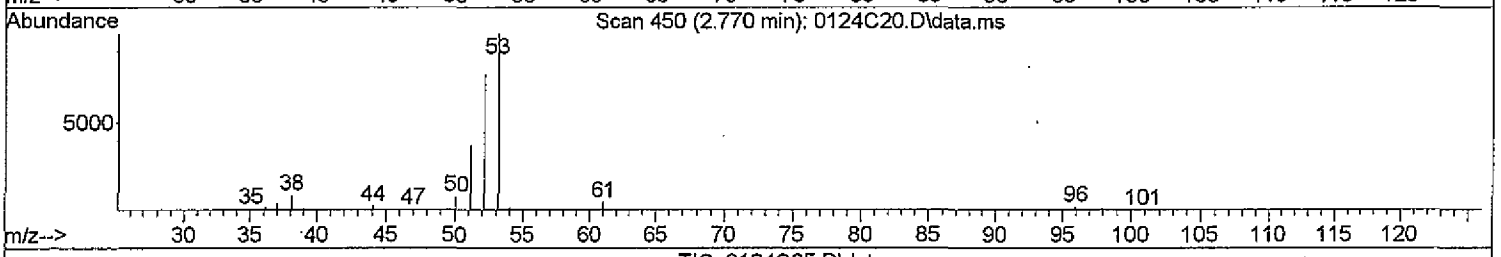
Quantitation Report (Qedit)

Data Path : D:\data\01242012\
Data File : 0124C05.D
Acq On : 24 Jan 2012 5:16 pm
Operator : SCW OBB-AG5975
Sample : 5ppb STD, 2.5uL to 100mL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 25 09:38:45 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:37:22 2012
Response via : Initial Calibration







TIC: 0124C05.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.774min (+0.004) 4.52ug/L m

response 22571

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	83.67
51.00	35.00	15.37#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C10.D
Acq On : 24 Jan 2012 5:43 pm
Operator : SCW OBB-AG5975
Sample : 10ppb STD, 5uL to 100mL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 25 09:33:35 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:33:23 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	610862	4.00	ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	499799	4.00	ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	214823	4.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-DICHLOROETHANE-d4	5.345	65	126663	4.26	ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 106.50%			
42) TOLUENE-d8	8.472	98	722320	3.87	ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 96.75%			
60) 4-BROMOFLUOROBENZENE	11.531	95	214743	4.23	ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 105.75%			

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	1.203	85	336209	12.15	ug/L	99
3) CHLOROMETHANE	1.308	50	599296	12.37	ug/L	98
4) VINYL CHLORIDE	1.420	62	558292	10.65	ug/L	97
5) BROMOMETHANE	1.664	94	249454	8.75	ug/L	97
6) CHLOROETHANE	1.765	64	363091	10.71	ug/L	97
7) TRICHLOROFLUOROMETHANE	2.189	101	719605	9.30	ug/L	100
8) ACETONE	2.343	43	33350	5.89	ug/L	92
9) 1,1-DICHLOROETHENE	2.646	96	330869	10.76	ug/L	95
10) ACRYLONITRILE	2.770	53	41302	8.66	ug/L #	92
11) METHYLENE CHLORIDE	2.815	84	313913	11.19	ug/L #	84
12) Freon 113	2.890	101	337430	11.07	ug/L	89
13) CARBON DISULFIDE	2.927	76	1139710	11.29	ug/L	100
14) METHYL ACETATE	2.946	43	85072	10.94	ug/L	96
15) TRANS-1,2-DICHLOROETHENE	3.531	96	396146	10.76	ug/L	98
16) METHYL-TERT-BUTYL ETHER	3.711	73	406586	11.74	ug/L #	95
17) 1,1-DICHLOROETHANE	3.805	63	744517	12.01	ug/L	98
18) VINYL ACETATE	4.089	43	301539	12.00	ug/L	99
19) 2-BUTANONE	4.382	43	47661	9.40	ug/L #	82
20) CIS-1,2-DICHLOROETHENE	4.457	96	409118	11.03	ug/L	99
21) BROMOCHLOROMETHANE	4.622	128	126560	10.30	ug/L #	78
22) CHLOROFORM	4.704	83	633426	11.13	ug/L	100
23) 2,2-DICHLOROPROPANE	4.772	77	414809	11.63	ug/L	95
25) 1,2-DICHLOROETHANE	5.431	62	298319	11.38	ug/L #	98
26) 1,1,1-TRICHLOROETHANE	5.521	97	575486	11.01	ug/L	96
27) 1,1-DICHLOROPROPENE	5.765	75	532382	11.80	ug/L	98
28) CYCLOHEXANE	5.810	56	820519	16.05	ug/L	86
29) CARBON TETRACHLORIDE	5.919	117	485443	10.80	ug/L	99
30) BENZENE	5.998	78	1618584	11.37	ug/L	99
31) DIBROMOMETHANE	6.642	93	110894	10.60	ug/L #	85
32) 1,2-DICHLOROPROPANE	6.706	63	366332	12.28	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C10.D
Acq On : 24 Jan 2012 5:43 pm
Operator : SCW OBB-AG5975
Sample : 10ppb STD, 5uL to 100mL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 25 09:33:35 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:33:23 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
33) TRICHLOROETHENE	6.770	130	435269	10.40 ug/L	98
34) BROMODICHLOROMETHANE	6.818	83	371645	11.27 ug/L	99
35) METHYLCYCLOHEXANE	7.336	83	659656	11.89 ug/L	92
36) 2-CHLOROETHYLVINYL ETHER	7.463	63	46953	17.88 ug/L	97
37) CIS-1,3-DICHLOROPROPENE	7.639	75	397620	12.47 ug/L	98
39) 4-METHYL-2-PENTANONE	7.868	43	115126	10.47 ug/L	95
40) TRANS-1,3-DICHLOROPROPENE	8.194	75	241946	11.57 ug/L	99
41) 1,1,2-TRICHLOROETHANE	8.329	97	164797	9.99 ug/L	99
43) TOLUENE	8.554	92	1064521	10.24 ug/L	99
44) 1,3-DICHLOROPROPANE	8.625	76	301292	10.43 ug/L	99
45) CHLORODIBROMOMETHANE	8.869	129	196975	10.06 ug/L #	99
46) 2-HEXANONE	8.944	43	69422	9.11 ug/L	96
47) 1,2-DIBROMOETHANE (EDB)	9.154	107	147664	10.04 ug/L	99
48) TETRACHLOROETHENE	9.409	164	299569	9.39 ug/L	96
49) 1,1,1,2-TETRACHLOROETHANE	10.155	131	300165	10.16 ug/L	95
50) CHLOROBENZENE	10.237	112	1056301	9.89 ug/L	96
51) ETHYLBENZENE	10.526	91	1979154	10.35 ug/L	99
52) BROMOFORM	10.747	173	90001	9.95 ug/L #	98
53) M-XYLENE/P-XYLENE	10.762	106	1573386	19.34 ug/L	95
54) STYRENE	11.088	104	2249216	20.73 ug/L	97
55) O-XYLENE	11.159	106	1559317	18.95 ug/L	96
56) ISOPROPYLBENZENE	11.534	105	1588471	8.96 ug/L	100
58) 1,1,2,2-TETRACHLOROETHANE	11.144	83	175196	10.28 ug/L	98
59) 1,2,3-TRICHLOROPROPANE	11.283	75	120580	11.22 ug/L	99
61) BROMOBENZENE	11.684	156	358295	9.95 ug/L	93
62) N-PROPYLBENZENE	11.950	91	2062945	9.79 ug/L	99
63) 2-CHLOROTOLUENE	11.992	91	1237046	10.15 ug/L	97
64) 4-CHLOROTOLUENE	12.070	91	1240762	10.30 ug/L	97
65) 1,3,5-TRIMETHYLBENZENE	12.254	105	1450492	9.17 ug/L	99
66) TERT-BUTYLBENZENE	12.456	119	1196398	8.47 ug/L	99
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	1440106	9.36 ug/L	98
68) SEC-BUTYLBENZENE	12.648	105	1799896	8.61 ug/L	99
69) 1,3-DICHLOROBENZENE	12.659	146	757590	8.96 ug/L	100
70) 1,4-DICHLOROBENZENE	12.723	146	711162	9.15 ug/L	99
71) P-ISOPROPYLTOLUENE	12.828	119	1363565	8.59 ug/L	98
72) 1,2-DICHLOROBENZENE	13.000	146	593892	9.49 ug/L	100
73) N-BUTYLBENZENE	13.157	91	1279423	8.91 ug/L	98
74) 1,2-DIBROMO-3-CHLOROPR...	13.382	75	20331	11.03 ug/L	93
75) 1,2,4-TRICHLOROBENZENE	14.447	180	318607	8.59 ug/L #	97
76) NAPHTHALENE	14.623	128	498286	10.51 ug/L	99
77) HEXACHLOROBUTADIENE	14.698	225	194086	7.47 ug/L #	84
78) 1,2,3-TRICHLOROBENZENE	14.769	180	271431	8.89 ug/L	97

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C10.D
Acq On : 24 Jan 2012 5:43 pm
Operator : SCW OBB-AG5975
Sample : 10ppb STD, 5uL to 100mL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 25 09:33:35 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:33:23 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

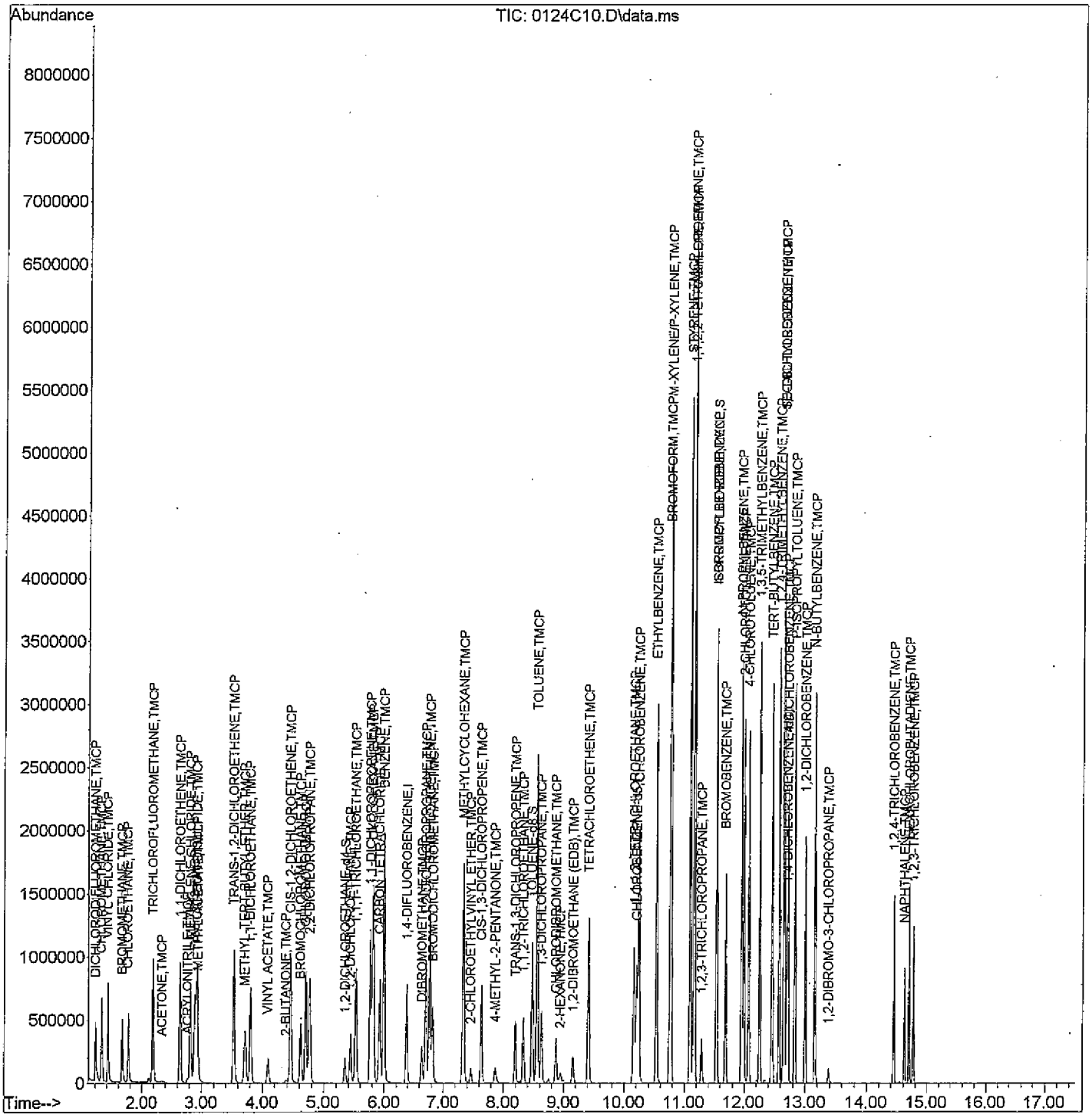
(#) = qualifier out of range (m) = manual integration (+) = signals summed

DIM0218843 DIM0219110

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C10.D
Acq On : 24 Jan 2012 5:43 pm
Operator : SCW OBB-AG5975
Sample : 10ppb STD, 5uL to 100mL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 25 09:33:35 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:33:23 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C20.D
Acq On : 24 Jan 2012 6:10 pm
Operator : SCW OBB-AG5975
Sample : 20ppb STD, 10uL to 100mL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 25 09:18:27 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:18:14 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.376	114	622925	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	507698	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	228792	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	131250	4.49 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 112.25%		
42) TOLUENE-d8	8.472	98	713599	3.72 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 93.00%		
60) 4-BROMOFLUOROBENZENE	11.531	95	236989	4.39 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 109.75%		
Target Compounds					Qvalue
2) DICHLORODIFLUOROMETHANE	1.203	85	660074	24.86 ug/L	99
3) CHLOROMETHANE	1.308	50	1208203	28.13 ug/L	99
4) VINYL CHLORIDE	1.420	62	1165300	22.79 ug/L	97
5) BROMOMETHANE	1.664	94	522928	17.77 ug/L	100
6) CHLOROETHANE	1.769	64	748325	23.18 ug/L	97
7) TRICHLOROFLUOROMETHANE	2.189	101	1507362	19.29 ug/L	99
8) ACETONE	2.346	43	74077	11.96 ug/L #	66
9) 1,1-DICHLOROETHENE	2.646	96	717518	23.69 ug/L	98
10) ACRYLONITRILE	2.770	53	81493	19.82 ug/L #	85
11) METHYLENE CHLORIDE	2.819	84	648157	24.02 ug/L #	83
12) Freon 113	2.894	101	715712	24.14 ug/L	89
13) CARBON DISULFIDE	2.927	76	2427575	25.03 ug/L	100
14) METHYL ACETATE	2.942	43	161766	21.26 ug/L	99
15) TRANS-1,2-DICHLOROETHENE	3.531	96	839045	22.98 ug/L	99
16) METHYL-TERT-BUTYL ETHER	3.715	73	825885	24.86 ug/L	95
17) 1,1-DICHLOROETHANE	3.805	63	1534866	26.19 ug/L	98
18) VINYL ACETATE	4.089	43	667054	28.99 ug/L	97
19) 2-BUTANONE	4.393	43	97748	18.34 ug/L #	82
20) CIS-1,2-DICHLOROETHENE	4.457	96	844512	22.98 ug/L	97
21) BROMOCHLOROMETHANE	4.626	128	259374	20.97 ug/L #	78
22) CHLOROFORM	4.704	83	1299795	23.25 ug/L	100
23) 2,2-DICHLOROPROPANE	4.768	77	921291	26.25 ug/L	95
25) 1,2-DICHLOROETHANE	5.435	62	607110	24.03 ug/L	99
26) 1,1,1-TRICHLOROETHANE	5.525	97	1216212	23.18 ug/L	96
27) 1,1-DICHLOROPROPENE	5.765	75	1107520	25.15 ug/L	97
28) CYCLOHEXANE	5.814	56	1731731	29.33 ug/L	86
29) CARBON TETRACHLORIDE	5.923	117	1041152	22.66 ug/L	99
30) BENZENE	5.998	78	3358555	24.09 ug/L	99
31) DIBROMOMETHANE	6.639	93	231683	22.34 ug/L #	85
32) 1,2-DICHLOROPROPANE	6.706	63	754628	26.85 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C20.D
Acq On : 24 Jan 2012 6:10 pm
Operator : SCW OBB-AG5975
Sample : 20ppb STD, 10uL to 100mL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 25 09:18:27 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:18:14 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
33) TRICHLOROETHENE	6.770	130	901963	20.77 ug/L	98
34) BROMODICHLOROMETHANE	6.818	83	786373	24.45 ug/L	100
35) METHYLCYCLOHEXANE	7.336	83	1408892	26.31 ug/L	92
36) 2-CHLOROETHYLVINYL ETHER	7.463	63	103606	48.88 ug/L	97
37) CIS-1,3-DICHLOROPROPENE	7.639	75	847932	27.63 ug/L	99
39) 4-METHYL-2-PENTANONE	7.864	43	238998	22.43 ug/L	99
40) TRANS-1,3-DICHLOROPROPENE	8.194	75	536680	26.14 ug/L	100
41) 1,1,2-TRICHLOROETHANE	8.325	97	337057	20.30 ug/L	98
43) TOLUENE	8.554	92	2208928	20.73 ug/L	99
44) 1,3-DICHLOROPROPANE	8.625	76	617346	21.49 ug/L	100
45) CHLORODIBROMOMETHANE	8.869	129	419505	20.85 ug/L #	99
46) 2-HEXANONE	8.944	43	161718	20.38 ug/L	95
47) 1,2-DIBROMOETHANE (EDB)	9.154	107	308793	20.80 ug/L	98
48) TETRACHLOROETHENE	9.409	164	659421	19.35 ug/L	96
49) 1,1,1,2-TETRACHLOROETHANE	10.155	131	630936	20.42 ug/L #	94
50) CHLOROBENZENE	10.237	112	2168075	19.41 ug/L	96
51) ETHYLBENZENE	10.526	91	4367592	22.65 ug/L	100
52) BROMOFORM	10.747	173	199796	20.48 ug/L #	97
53) M-XYLENE/P-XYLENE	10.766	106	3555466	40.98 ug/L	98
54) STYRENE	11.092	104	4992984	45.11 ug/L	96
55) O-XYLENE	11.159	106	3494080	40.85 ug/L	98
56) ISOPROPYLBENZENE	11.534	105	3839296	21.11 ug/L	99
58) 1,1,2,2-TETRACHLOROETHANE	11.148	83	376817	20.92 ug/L	98
59) 1,2,3-TRICHLOROPROPANE	11.283	75	237238	21.44 ug/L	98
61) BROMOBENZENE	11.684	156	763936	19.21 ug/L	94
62) N-PROPYLBENZENE	11.950	91	5224811	23.51 ug/L	98
63) 2-CHLOROTOLUENE	11.992	91	2848368	21.92 ug/L	97
64) 4-CHLOROTOLUENE	12.070	91	2835249	22.17 ug/L	98
65) 1,3,5-TRIMETHYLBENZENE	12.254	105	3736586	21.94 ug/L	100
66) TERT-BUTYLBENZENE	12.460	119	3149310	20.25 ug/L	99
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	3623886	21.86 ug/L	100
68) SEC-BUTYLBENZENE	12.651	105	5001275	22.02 ug/L	98
69) 1,3-DICHLOROBENZENE	12.659	146	1839689	18.61 ug/L	99
70) 1,4-DICHLOROBENZENE	12.723	146	1663848	19.27 ug/L	98
71) P-ISOPROPYLTOLUENE	12.828	119	3656042	21.03 ug/L	98
72) 1,2-DICHLOROBENZENE	13.004	146	1353727	19.63 ug/L	100
73) N-BUTYLBENZENE	13.161	91	3489338	22.96 ug/L	98
74) 1,2-DIBROMO-3-CHLOROPR...	13.382	75	42695	22.78 ug/L	95
75) 1,2,4-TRICHLOROBENZENE	14.447	180	808107	19.69 ug/L #	98
76) NAPHTHALENE	14.623	128	1192583	23.64 ug/L	100
77) HEXACHLOROBUTADIENE	14.698	225	554427	18.21 ug/L #	85
78) 1,2,3-TRICHLOROBENZENE	14.769	180	666288	19.89 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C20.D
Acq On : 24 Jan 2012 6:10 pm
Operator : SCW OBB-AG5975
Sample : 20ppb STD, 10uL to 100mL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 25 09:18:27 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:18:14 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

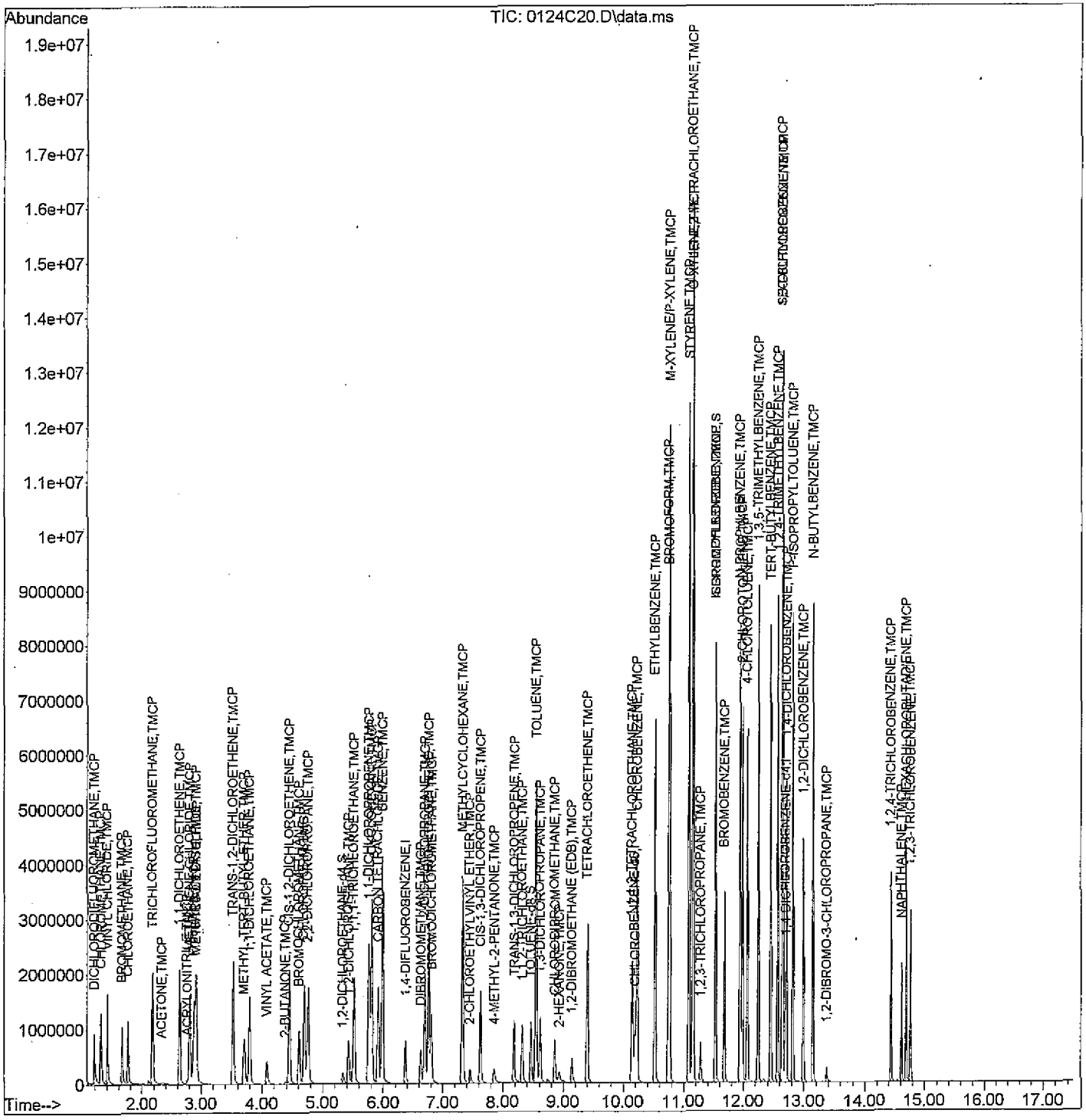
(#) = qualifier out of range (m) = manual integration (+) = signals summed

DIM0218843 DIM0219114

Quantitation Report (QT Reviewed)

Data Path : D:\data\01242012\
Data File : 0124C20.D
Acq On : 24 Jan 2012 6:10 pm
Operator : SCW OBB-AG5975
Sample : 20ppb STD, 10uL to 100mL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 25 09:18:27 2012
Quant Method : D:\methods\01242012.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Wed Jan 25 09:18:14 2012
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : D:\data\01272012\
Data File : 0127C05.D
Acq On : 27 Jan 2012 10:43 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

All Pass!

Quant Time: Jan 27 11:01:26 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 09:26:27 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	94	0.00
2	TMCP	DICHLORODIFLUOROMETHANE	0.196	0.163	16.8	78	0.00
3	TMCP	CHLOROMETHANE	0.408	0.357	12.5	87	0.00
4	TMCP	VINYL CHLORIDE	0.376	0.349	7.2	91	0.00
5	TMCP	BROMOMETHANE	0.159	0.167	-5.0	103	0.00
6	TMCP	CHLOROETHANE	0.241	0.226	6.2	93	0.00
7	TMCP	TRICHLOROFLUOROMETHANE	0.472	0.440	6.8	89	0.00
8	TMCP	ACETONE	0.034	0.032	5.9	93	0.02
9	TMCP	1,1-DICHLOROETHENE	0.216	0.221	-2.3	98	0.00
10	TMCP	ACRYLONITRILE	0.027	0.024	11.1	73	0.00
11	TMCP	METHYLENE CHLORIDE	0.204	0.193	5.4	83	0.00
12	TMCP	Freon 113	0.202	0.173	14.4	74	0.00
13	TMCP	CARBON DISULFIDE	0.738	0.706	4.3	94	0.00
14	TMCP	METHYL ACETATE	0.057	0.043	24.6	68	0.00
15	TMCP	TRANS-1,2-DICHLOROETHENE	0.251	0.250	0.4	90	0.00
16	TMCP	METHYL-TERT-BUTYL ETHER	0.255	0.224	12.2	78	0.00
17	TMCP	1,1-DICHLOROETHANE	0.466	0.458	1.7	89	0.00
18	TMCP	VINYL ACETATE	0.177	0.153	13.6	83	0.00
19	TMCP	2-BUTANONE	0.031	0.032	-3.2	96	0.00
20	TMCP	CIS-1,2-DICHLOROETHENE	0.255	0.245	3.9	87	0.00
21	TMCP	BROMOCHLOROMETHANE	0.080	0.077	3.8	87	0.00
22	TMCP	CHLOROFORM	0.399	0.395	1.0	90	0.00
23	TMCP	2,2-DICHLOROPROPANE	0.247	0.247	0.0	93	0.00
24	S	1,2-DICHLOROETHANE-d4	0.214	0.202	5.6	90	0.00
25	TMCP	1,2-DICHLOROETHANE	0.192	0.183	4.7	84	0.00
26	TMCP	1,1,1-TRICHLOROETHANE	0.344	0.342	0.6	93	0.00
27	TMCP	1,1-DICHLOROPROPENE	0.316	0.314	0.6	94	0.00
28	TMCP	CYCLOHEXANE	0.479	0.417	12.9	74	0.00
29	TMCP	CARBON TETRACHLORIDE	0.283	0.288	-1.8	98	0.00
30	TMCP	BENZENE	1.021	0.997	2.4	90	0.00
31	TMCP	DIBROMOMETHANE	0.073	0.066	9.6	83	0.00
32	TMCP	1,2-DICHLOROPROPANE	0.229	0.219	4.4	89	0.00
33	TMCP	TRICHLOROETHENE	0.267	0.266#	0.4	93	0.00
34	TMCP	BROMODICHLOROMETHANE	0.227	0.222	2.2	89	0.00
35	TMCP	METHYLCYCLOHEXANE	0.376	0.331	12.0	74	0.00
36	TMCP	2-CHLOROETHYLVINYL ETHER	0.028	0.021	25.0	66	0.00
37	TMCP	CIS-1,3-DICHLOROPROPENE	0.228	0.222	2.6	86	0.00
38	I	CHLOROBENZENE-d5	1.000	1.000	0.0	95	0.00

Evaluate Continuing Calibration Report

Data Path : D:\data\01272012\
Data File : 0127C05.D
Acq On : 27 Jan 2012 10:43 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 27 11:01:26 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 09:26:27 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
39	TMCP	4-METHYL-2-PENTANONE	0.085	0.071	16.5	84	0.02
40	TMCP	TRANS-1,3-DICHLOROPROPENE	0.165	0.157	4.8	83	0.00
41	TMCP	1,1,2-TRICHLOROETHANE	0.127	0.122	3.9	84	0.00
42	S	TOLUENE-d8	1.438	1.448	-0.7	95	0.00
43	TMCP	TOLUENE	0.811	0.768	5.3	90	0.00
44	TMCP	1,3-DICHLOROPROPANE	0.241	0.223	7.5	82	0.00
45	TMCP	CHLORODIBROMOMETHANE	0.145	0.142	2.1	89	0.00
46	TMCP	2-HEXANONE	0.054	0.044	18.5	83	0.00
47	TMCP	1,2-DIBROMOETHANE (EDB)	0.113	0.103	8.8	78	0.00
48	TMCP	TETRACHLOROETHENE	0.230	0.222	3.5	92	0.00
49	TMCP	1,1,1,2-TETRACHLOROETHANE	0.219	0.208	5.0	88	0.00
50	TMCP	CHLOROBENZENE	0.809	0.763	5.7	90	0.00
51	TMCP	ETHYLBENZENE	1.448	1.435	0.9	93	0.00
52	TMCP	BROMOFORM	0.063	0.062	1.6	84	0.00
53	TMCP	M-XYLENE/P-XYLENE	0.575	0.566	1.6	93	0.00
54	TMCP	STYRENE	0.813	0.792	2.6	91	0.00
55	TMCP	O-XYLENE	0.594	0.566	4.7	93	0.00
56	TMCP	ISOPROPYLBENZENE	1.256	1.230	2.1	94	0.00
57	I	1,4-DICHLOROBENZENE-d4	1.000	1.000	0.0	91	0.00
58	TMCP	1,1,2,2-TETRACHLOROETHANE	0.307	0.285#	7.2	82	0.00
59	TMCP	1,2,3-TRICHLOROPROPANE	0.214	0.188	12.1	75	0.00
60	S	4-BROMOFLUOROBENZENE	0.963	0.959	0.4	94	0.00
61	TMCP	BROMOBENZENE	0.614	0.587	4.4	89	0.00
62	TMCP	N-PROPYLBENZENE	3.651	3.785	-3.7	96	0.00
63	TMCP	2-CHLOROTOLUENE	2.183	2.141	1.9	92	0.00
64	TMCP	4-CHLOROTOLUENE	2.167	2.084	3.8	91	0.00
65	TMCP	1,3,5-TRIMETHYLBENZENE	2.573	2.616	-1.7	95	0.00
66	TMCP	TERT-BUTYLBENZENE	2.186	2.287	-4.6	97	0.00
67	TMCP	1,2,4-TRIMETHYLBENZENE	2.552	2.583	-1.2	93	0.00
68	TMCP	SEC-BUTYLBENZENE	3.354	3.441	-2.6	98	0.00
69	TMCP	1,3-DICHLOROBENZENE	1.363	1.301	4.5	90	0.00
70	TMCP	1,4-DICHLOROBENZENE	1.294	1.243	3.9	91	0.00
71	TMCP	P-ISOPROPYLTOLUENE	2.506	2.647	-5.6	100	0.00
72	TMCP	1,2-DICHLOROBENZENE	1.058	1.009	4.6	89	0.00
73	TMCP	N-BUTYLBENZENE	2.360	2.537	-7.5	101	0.00
74	TMCP	1,2-DIBROMO-3-CHLOROPROPANE	0.034	0.030	11.8	80	0.00
75	TMCP	1,2,4-TRICHLOROBENZENE	0.589	0.574	2.5	92	0.00
76	TMCP	NAPHTHALENE	0.810	0.761	6.0	78	0.00

Evaluate Continuing Calibration Report

Data Path : D:\data\01272012\
Data File : 0127C05.D
Acq On : 27 Jan 2012 10:43 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 27 11:01:26 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 09:26:27 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
77 TMCP HEXACHLOROBUTADIENE	0.381	0.416	-9.2	106	0.00
78 TMCP 1,2,3-TRICHLOROBENZENE	0.503	0.486	3.4	89	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 0127C05.D
Acq On : 27 Jan 2012 10:43 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 27 11:01:26 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 09:26:27 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.376	114	563815	4.00	ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	452866	4.00	ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	196660	4.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-DICHLOROETHANE-d4	5.342	65	113760	3.77	ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 94.25%			
42) TOLUENE-d8	8.472	98	655879	4.03	ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 100.75%			
60) 4-BROMOFLUOROBENZENE	11.531	95	188668	3.99	ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 99.75%			

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	1.203	85	114733	4.16	ug/L	100
3) CHLOROMETHANE	1.308	50	251302	4.37	ug/L	99
4) VINYL CHLORIDE	1.417	62	246192	4.65	ug/L	96
5) BROMOMETHANE	1.660	94	117903	5.25	ug/L	97
6) CHLOROETHANE	1.765	64	159399	4.69	ug/L	98
7) TRICHLOROFLUOROMETHANE	2.185	101	310052	4.66	ug/L	99
8) ACETONE	2.365	43	22735	4.71	ug/L #	71
9) 1,1-DICHLOROETHENE	2.643	96	156042	5.12	ug/L	98
10) ACRYLONITRILE	2.774	53	16577	4.29	ug/L #	1
11) METHYLENE CHLORIDE	2.811	84	136250	4.73	ug/L #	80
12) Freon 113	2.890	101	121671	4.27	ug/L	88
13) CARBON DISULFIDE	2.924	76	497419	4.78	ug/L	99
14) METHYL ACETATE	2.946	43	30443	3.80	ug/L #	84
15) TRANS-1,2-DICHLOROETHENE	3.527	96	176289	4.98	ug/L	98
16) METHYL-TERT-BUTYL ETHER	3.715	73	157536	4.38	ug/L	95
17) 1,1-DICHLOROETHANE	3.801	63	322864	4.91	ug/L	98
18) VINYL ACETATE	4.090	43	107977	4.32	ug/L	97
19) 2-BUTANONE	4.393	43	22547	5.08	ug/L #	73
20) CIS-1,2-DICHLOROETHENE	4.453	96	172893	4.81	ug/L	97
21) BROMOCHLOROMETHANE	4.618	128	54181	4.83	ug/L #	77
22) CHLOROFORM	4.704	83	278189	4.94	ug/L	99
23) 2,2-DICHLOROPROPANE	4.764	77	174118	5.00	ug/L	97
25) 1,2-DICHLOROETHANE	5.431	62	128642	4.75	ug/L #	98
26) 1,1,1-TRICHLOROETHANE	5.521	97	241248	4.97	ug/L	95
27) 1,1-DICHLOROPROPENE	5.761	75	221313	4.97	ug/L	97
28) CYCLOHEXANE	5.814	56	294035	4.36	ug/L	88
29) CARBON TETRACHLORIDE	5.919	117	203170	5.09	ug/L	100
30) BENZENE	5.994	78	702379	4.88	ug/L	99
31) DIBROMOMETHANE	6.639	93	46210	4.51	ug/L	85
32) 1,2-DICHLOROPROPANE	6.706	63	154479	4.79	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 0127C05.D
Acq On : 27 Jan 2012 10:43 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 27 11:01:26 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 09:26:27 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
33) TRICHLOROETHENE	6.770	130	187327	4.98 ug/L	98
34) BROMODICHLOROMETHANE	6.815	83	156720	4.90 ug/L	99
35) METHYLCYCLOHEXANE	7.336	83	233458	4.41 ug/L	91
36) 2-CHLOROETHYLVINYL ETHER	7.463	63	15093	3.87 ug/L #	93
37) CIS-1,3-DICHLOROPROPENE	7.639	75	156273	4.87 ug/L	99
39) 4-METHYL-2-PENTANONE	7.876	43	40102	4.15 ug/L	98
40) TRANS-1,3-DICHLOROPROPENE	8.194	75	88883	4.75 ug/L	99
41) 1,1,2-TRICHLOROETHANE	8.325	97	68819	4.79 ug/L	98
43) TOLUENE	8.554	92	434786	4.74 ug/L	98
44) 1,3-DICHLOROPROPANE	8.625	76	126182	4.63 ug/L	99
45) CHLORODIBROMOMETHANE	8.869	129	80490	4.91 ug/L #	99
46) 2-HEXANONE	8.951	43	25174	4.12 ug/L #	94
47) 1,2-DIBROMOETHANE (EDB)	9.154	107	58184	4.53 ug/L	96
48) TETRACHLOROETHENE	9.409	164	125565	4.83 ug/L	94
49) 1,1,1,2-TETRACHLOROETHANE	10.155	131	117635	4.75 ug/L	95
50) CHLOROBENZENE	10.237	112	431643	4.71 ug/L	96
51) ETHYLBENZENE	10.526	91	812197	4.95 ug/L	100
52) BROMOFORM	10.747	173	35018	4.93 ug/L #	98
53) M-XYLENE/P-XYLENE	10.762	106	640493	9.85 ug/L	95
54) STYRENE	11.088	104	896187	9.74 ug/L	96
55) O-XYLENE	11.159	106	640568	9.53 ug/L	96
56) ISOPROPYLBENZENE	11.534	105	696300	4.90 ug/L	98
58) 1,1,2,2-TETRACHLOROETHANE	11.144	83	69947	4.63 ug/L	97
59) 1,2,3-TRICHLOROPROPANE	11.283	75	46155	4.39 ug/L	96
61) BROMOBENZENE	11.684	156	144366	4.78 ug/L	93
62) N-PROPYLBENZENE	11.950	91	930337	5.18 ug/L	98
63) 2-CHLOROTOLUENE	11.992	91	526243	4.90 ug/L	97
64) 4-CHLOROTOLUENE	12.070	91	512372	4.81 ug/L	100
65) 1,3,5-TRIMETHYLBENZENE	12.254	105	643040	5.08 ug/L	98
66) TERT-BUTYLBENZENE	12.456	119	562307	5.23 ug/L	98
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	635018	5.06 ug/L	100
68) SEC-BUTYLBENZENE	12.648	105	845871	5.13 ug/L	99
69) 1,3-DICHLOROBENZENE	12.659	146	319844	4.77 ug/L	100
70) 1,4-DICHLOROBENZENE	12.723	146	305523	4.80 ug/L	99
71) P-ISOPROPYLTOLUENE	12.828	119	650791	5.28 ug/L	98
72) 1,2-DICHLOROBENZENE	13.004	146	247984	4.77 ug/L	99
73) N-BUTYLBENZENE	13.161	91	623586	5.37 ug/L	98
74) 1,2-DIBROMO-3-CHLOROPR...	13.379	75	7404	4.42 ug/L	93
75) 1,2,4-TRICHLOROBENZENE	14.447	180	141080	4.87 ug/L #	98
76) NAPHTHALENE	14.623	128	187019	4.70 ug/L	100
77) HEXACHLOROBUTADIENE	14.698	225	102215	5.46 ug/L #	84
78) 1,2,3-TRICHLOROBENZENE	14.769	180	119541	4.83 ug/L #	97

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 0127C05.D
Acq On : 27 Jan 2012 10:43 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 27 11:01:26 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 09:26:27 2012
Response via : Initial Calibration

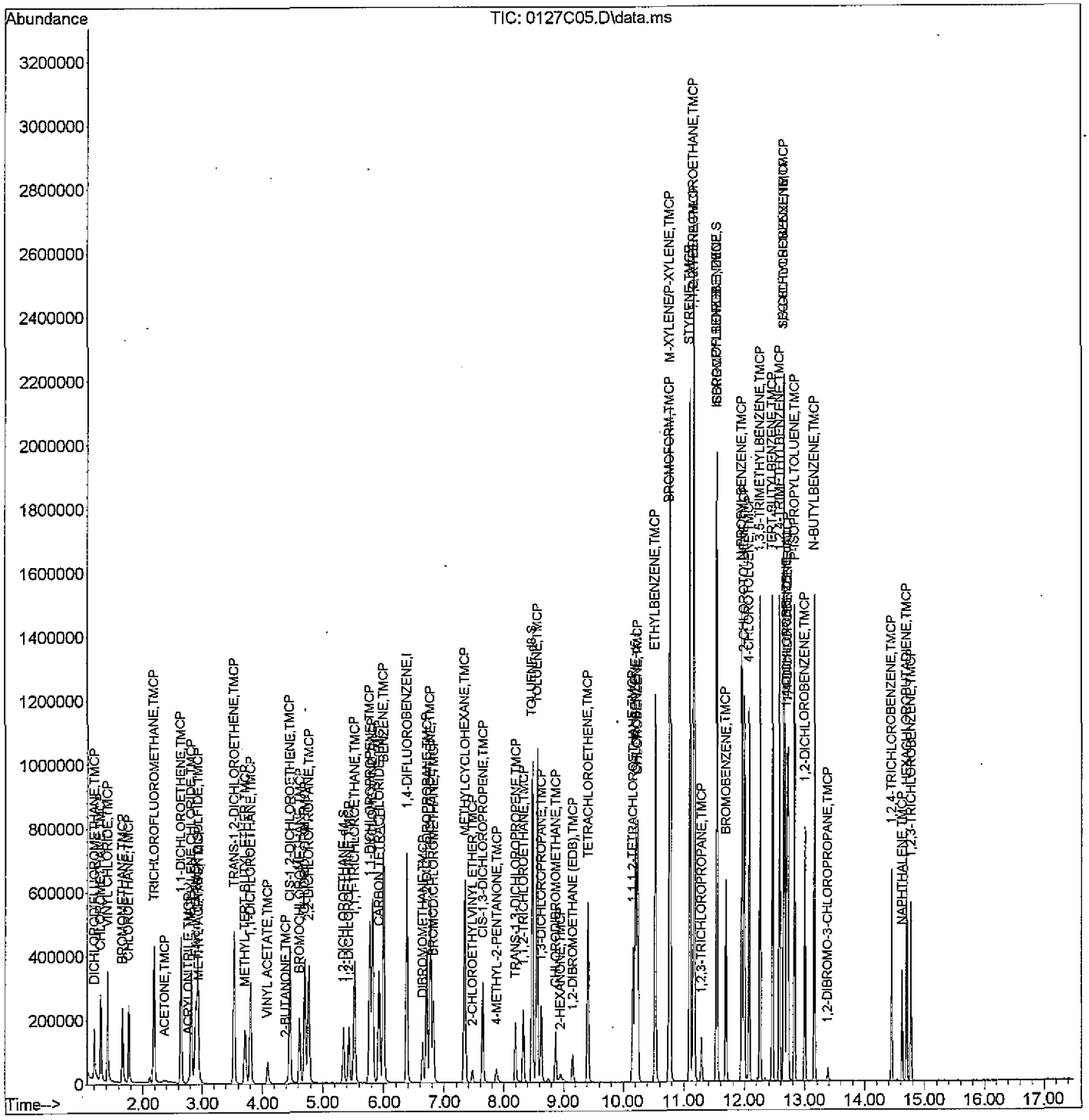
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 0127C05.D
Acq On : 27 Jan 2012 10:43 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 27 11:01:26 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 09:26:27 2012
Response via : Initial Calibration



Evaluate Continuing Calibration Report

2 out ✓

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:46:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	86	0.00
2	TMCP	DICHLORODIFLUOROMETHANE	0.196	0.187	4.6	81	0.00
3	TMCP	CHLOROMETHANE	0.408	0.379	7.1	84	0.00
4	TMCP	VINYL CHLORIDE	0.376	0.375	0.3	89	0.00
5	TMCP	BROMOMETHANE	0.159	0.168	-5.7	95	0.00
6	TMCP	CHLOROETHANE	0.241	0.242	-0.4	91	0.00
7	TMCP	TRICHLOROFLUOROMETHANE	0.472	0.500	-5.9	92	0.00
8	TMCP	ACETONE	0.034	0.046	-35.3#	121	-0.02
9	TMCP	1,1-DICHLOROETHENE	0.216	0.208	3.7	84	0.00
10	TMCP	ACRYLONITRILE	0.027	0.026	3.7	75	0.00
11	TMCP	METHYLENE CHLORIDE	0.204	0.213	-4.4	84	0.00
12	TMCP	Freon 113	0.202	0.236	-16.8	92	0.00
13	TMCP	CARBON DISULFIDE	0.738	0.751	-1.8	91	0.00
14	TMCP	METHYL ACETATE	0.057	0.048	15.8	69	0.00
15	TMCP	TRANS-1,2-DICHLOROETHENE	0.251	0.250	0.4	83	0.00
16	TMCP	METHYL-TERT-BUTYL ETHER	0.255	0.237	7.1	75	0.00
17	TMCP	1,1-DICHLOROETHANE	0.466	0.495	-6.2	87	0.00
18	TMCP	VINYL ACETATE	0.177	0.166	6.2	82	0.00
19	TMCP	2-BUTANONE	0.031	0.041	-32.3#	113	0.00
20	TMCP	CIS-1,2-DICHLOROETHENE	0.255	0.266	-4.3	86	0.00
21	TMCP	BROMOCHLOROMETHANE	0.080	0.083	-3.8	86	0.00
22	TMCP	CHLOROFORM	0.399	0.421	-5.5	88	0.00
23	TMCP	2,2-DICHLOROPROPANE	0.247	0.255	-3.2	87	0.00
24	S	1,2-DICHLOROETHANE-d4	0.214	0.209	2.3	85	0.00
25	TMCP	1,2-DICHLOROETHANE	0.192	0.206	-7.3	87	0.00
26	TMCP	1,1,1-TRICHLOROETHANE	0.344	0.356	-3.5	88	0.00
27	TMCP	1,1-DICHLOROPROPENE	0.316	0.319	-0.9	87	0.00
28	TMCP	CYCLOHEXANE	0.479	0.564	-17.7	92	0.00
29	TMCP	CARBON TETRACHLORIDE	0.283	0.300	-6.0	93	0.00
30	TMCP	BENZENE	1.021	1.071	-4.9	89	0.00
31	TMCP	DIBROMOMETHANE	0.073	0.076	-4.1	87	0.00
32	TMCP	1,2-DICHLOROPROPANE	0.229	0.238	-3.9	88	0.00
33	TMCP	TRICHLOROETHENE	0.267	0.273#	-2.2	87	0.00
34	TMCP	BROMODICHLOROMETHANE	0.227	0.244	-7.5	89	0.00
35	TMCP	METHYLCYCLOHEXANE	0.376	0.445	-18.4	90	0.00
36	TMCP	2-CHLOROETHYLVINYL ETHER	0.028	0.023	17.9	66	0.00
37	TMCP	CIS-1,3-DICHLOROPROPENE	0.228	0.245	-7.5	86	0.00
38	I	CHLOROBENZENE-d5	1.000	1.000	0.0	91	0.00

Evaluate Continuing Calibration Report

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:46:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
39	TMCP	4-METHYL-2-PENTANONE	0.085	0.077	9.4	88	0.00
40	TMCP	TRANS-1,3-DICHLOROPROPENE	0.165	0.169	-2.4	86	0.00
41	TMCP	1,1,2-TRICHLOROETHANE	0.127	0.125	1.6	83	0.00
42	S	TOLUENE-d8	1.438	1.424	1.0	90	0.00
43	TMCP	TOLUENE	0.811	0.764 ✓	5.8	86	0.00
44	TMCP	1,3-DICHLOROPROPANE	0.241	0.239	0.8	85	0.00
45	TMCP	CHLORODIBROMOMETHANE	0.145	0.147	-1.4	88	0.00
46	TMCP	2-HEXANONE	0.054	0.054	0.0	98	0.00
47	TMCP	1,2-DIBROMOETHANE (EDB)	0.113	0.115	-1.8	84	0.00
48	TMCP	TETRACHLOROETHENE	0.230	0.215	6.5	86	0.00
49	TMCP	1,1,1,2-TETRACHLOROETHANE	0.219	0.211	3.7	86	0.00
50	TMCP	CHLOROBENZENE	0.809	0.750	7.3	85	0.00
51	TMCP	ETHYLBENZENE	1.448	1.359	6.1	85	0.00
52	TMCP	BROMOFORM	0.063	0.069	-9.5	90	0.00
53	TMCP	M-XYLENE/P-XYLENE	0.575	0.532	7.5	84	0.00
54	TMCP	STYRENE	0.813	0.795	2.2	88	0.00
55	TMCP	O-XYLENE	0.594	0.559	5.9	88	0.00
56	TMCP	ISOPROPYLBENZENE	1.256	1.151	8.4	85	0.00
57	I	1,4-DICHLOROBENZENE-d4	1.000	1.000	0.0	91	0.00
58	TMCP	1,1,2,2-TETRACHLOROETHANE	0.307	0.296#	3.6	85	0.00
59	TMCP	1,2,3-TRICHLOROPROPANE	0.214	0.201	6.1	81	0.00
60	S	4-BROMOFLUOROBENZENE	0.963	0.935	2.9	92	0.00
61	TMCP	BROMOBENZENE	0.614	0.551	10.3	83	0.00
62	TMCP	N-PROPYLBENZENE	3.651	3.296	9.7	84	0.00
63	TMCP	2-CHLOROTOLUENE	2.183	1.959	10.3	85	0.00
64	TMCP	4-CHLOROTOLUENE	2.167	1.945	10.2	85	0.00
65	TMCP	1,3,5-TRIMETHYLBENZENE	2.573	2.358	8.4	86	0.00
66	TMCP	TERT-BUTYLBENZENE	2.186	2.013	7.9	86	0.00
67	TMCP	1,2,4-TRIMETHYLBENZENE	2.552	2.331	8.7	84	0.00
68	TMCP	SEC-BUTYLBENZENE	3.354	3.012	10.2	86	0.00
69	TMCP	1,3-DICHLOROBENZENE	1.363	1.208	11.4	84	0.00
70	TMCP	1,4-DICHLOROBENZENE	1.294	1.136	12.2	83	0.00
71	TMCP	P-ISOPROPYLTOLUENE	2.506	2.278	9.1	86	0.00
72	TMCP	1,2-DICHLOROBENZENE	1.058	0.954	9.8	84	0.00
73	TMCP	N-BUTYLBENZENE	2.360	2.185	7.4	87	0.00
74	TMCP	1,2-DIBROMO-3-CHLOROPROPANE	0.034	0.030	11.8	80	0.00
75	TMCP	1,2,4-TRICHLOROBENZENE	0.589	0.500	15.1	81	0.00
76	TMCP	NAPHTHALENE	0.810	0.718 ✓	11.4	74	0.00

Evaluate Continuing Calibration Report

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:46:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
77 TMCP HEXACHLOROBUTADIENE	0.381	0.342	10.2	87	0.00
78 TMCP 1,2,3-TRICHLOROBENZENE	0.503	0.447	11.1	82	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 2

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:46:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.376	114	513918	4.00	ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	434729	4.00	ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	196938	4.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-DICHLOROETHANE-d4	5.341	65	107469	3.91	ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 97.75%			
42) TOLUENE-d8	8.468	98	619012	3.96	ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 99.00%			
60) 4-BROMOFLUOROBENZENE	11.530	95	184183	3.89	ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 97.25%			

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	1.203	85	120412	4.79	ug/L	99
3) CHLOROMETHANE	1.304	50	243537	4.65	ug/L	100
4) VINYL CHLORIDE	1.417	62	241115	5.00	ug/L	98
5) BROMOMETHANE	1.660	94	108228	5.29	ug/L	99
6) CHLOROETHANE	1.765	64	155180	5.01	ug/L	99
7) TRICHLOROFLUOROMETHANE	2.185	101	321232	5.30	ug/L	100
8) ACETONE	2.346	43	29665	6.75	ug/L #	74
9) 1,1-DICHLOROETHENE	2.639	96	133360	4.80	ug/L	97
10) ACRYLONITRILE	2.774	53	16846m	4.78	ug/L	
11) METHYLENE CHLORIDE	2.811	84	136648	5.21	ug/L #	82
12) Freon 113	2.886	101	151831	5.84	ug/L	89
13) CARBON DISULFIDE	2.920	76	482598	5.09	ug/L	99
14) METHYL ACETATE	2.939	43	30898	4.23	ug/L #	74
15) TRANS-1,2-DICHLOROETHENE	3.523	96	160906	4.98	ug/L	95
16) METHYL-TERT-BUTYL ETHER	3.715	73	151930	4.63	ug/L	94
17) 1,1-DICHLOROETHANE	3.801	63	317993	5.31	ug/L	97
18) VINYL ACETATE	4.089	43	106432	4.67	ug/L	98
19) 2-BUTANONE	4.397	43	26535	6.57	ug/L #	92
20) CIS-1,2-DICHLOROETHENE	4.453	96	170889	5.22	ug/L	97
21) BROMOCHLOROMETHANE	4.622	128	53490	5.23	ug/L #	72
22) CHLOROFORM	4.700	83	270579	5.28	ug/L	99
23) 2,2-DICHLOROPROPANE	4.764	77	163638	5.15	ug/L	95
25) 1,2-DICHLOROETHANE	5.428	62	132631	5.37	ug/L #	98
26) 1,1,1-TRICHLOROETHANE	5.518	97	228927	5.17	ug/L #	93
27) 1,1-DICHLOROPROPENE	5.761	75	204655	5.05	ug/L	94
28) CYCLOHEXANE	5.810	56	362512	5.89	ug/L	85
29) CARBON TETRACHLORIDE	5.919	117	192765	5.30	ug/L	99
30) BENZENE	5.994	78	687749	5.24	ug/L	98
31) DIBROMOMETHANE	6.635	93	48503	5.20	ug/L #	85
32) 1,2-DICHLOROPROPANE	6.702	63	152926	5.20	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:46:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
33) TRICHLOROETHENE	6.766	130	175144	5.10 ug/L	97
34) BROMODICHLOROMETHANE	6.815	83	156559	5.37 ug/L	99
35) METHYLCYCLOHEXANE	7.336	83	285830	5.92 ug/L	90
36) 2-CHLOROETHYLVINYL ETHER	7.463	63	15046	4.23 ug/L #	89
37) CIS-1,3-DICHLOROPROPENE	7.639	75	157189	5.38 ug/L	98
39) 4-METHYL-2-PENTANONE	7.875	43	41667	4.49 ug/L #	90
40) TRANS-1,3-DICHLOROPROPENE	8.194	75	92105	5.13 ug/L	100
41) 1,1,2-TRICHLOROETHANE	8.325	97	67757	4.91 ug/L	96
43) TOLUENE	8.554	92	415361	4.71 ug/L	100
44) 1,3-DICHLOROPROPANE	8.625	76	129841	4.96 ug/L	99
45) CHLORODIBROMOMETHANE	8.869	129	79686	5.06 ug/L #	98
46) 2-HEXANONE	8.951	43	29572	5.04 ug/L #	94
47) 1,2-DIBROMOETHANE (EDB)	9.154	107	62672	5.08 ug/L #	96
48) TETRACHLOROETHENE	9.405	164	116929	4.68 ug/L	97
49) 1,1,1,2-TETRACHLOROETHANE	10.155	131	114872	4.83 ug/L #	94
50) CHLOROBENZENE	10.237	112	407753	4.64 ug/L	97
51) ETHYLBENZENE	10.526	91	738424	4.69 ug/L	98
52) BROMOFORM	10.743	173	37375	5.48 ug/L #	97
53) M-XYLENE/P-XYLENE	10.762	106	577844	9.25 ug/L	98
54) STYRENE	11.088	104	864162	9.78 ug/L	96
55) O-XYLENE	11.159	106	607860	9.42 ug/L	96
56) ISOPROPYLBENZENE	11.534	105	625618	4.58 ug/L	99
58) 1,1,2,2-TETRACHLOROETHANE	11.148	83	72859	4.81 ug/L	97
59) 1,2,3-TRICHLOROPROPANE	11.283	75	49406	4.69 ug/L	97
61) BROMOBENZENE	11.684	156	135703	4.49 ug/L	92
62) N-PROPYLBENZENE	11.950	91	811273	4.51 ug/L	99
63) 2-CHLOROTOLUENE	11.992	91	482297	4.49 ug/L	98
64) 4-CHLOROTOLUENE	12.070	91	478859	4.49 ug/L	97
65) 1,3,5-TRIMETHYLBENZENE	12.254	105	580473	4.58 ug/L	98
66) TERT-BUTYLBENZENE	12.456	119	495621	4.61 ug/L	100
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	573804	4.57 ug/L	100
68) SEC-BUTYLBENZENE	12.648	105	741377	4.49 ug/L	98
69) 1,3-DICHLOROBENZENE	12.655	146	297423	4.43 ug/L	100
70) 1,4-DICHLOROBENZENE	12.719	146	279772	4.39 ug/L	98
71) P-ISOPROPYLTOLUENE	12.827	119	560823	4.54 ug/L	99
72) 1,2-DICHLOROBENZENE	13.000	146	234813	4.51 ug/L	98
73) N-BUTYLBENZENE	13.161	91	537784	4.63 ug/L	98
74) 1,2-DIBROMO-3-CHLOROPR...	13.382	75	7423	4.42 ug/L	99
75) 1,2,4-TRICHLOROBENZENE	14.447	180	123163	4.25 ug/L #	98
76) NAPHTHALENE	14.623	128	176789	4.44 ug/L	99
77) HEXACHLOROBUTADIENE	14.698	225	84117	4.49 ug/L #	84
78) 1,2,3-TRICHLOROBENZENE	14.769	180	110014	4.44 ug/L #	96

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:46:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

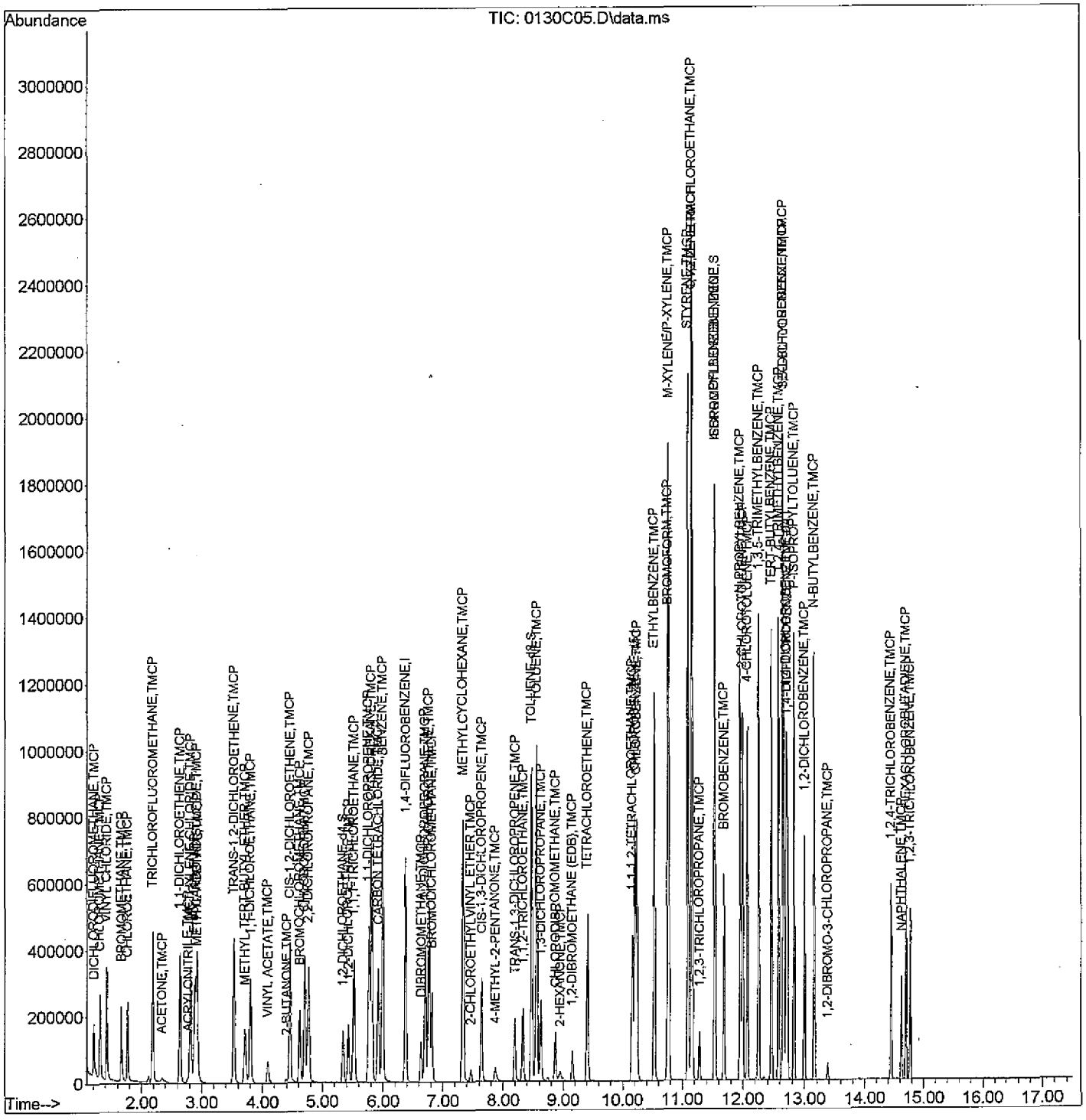
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

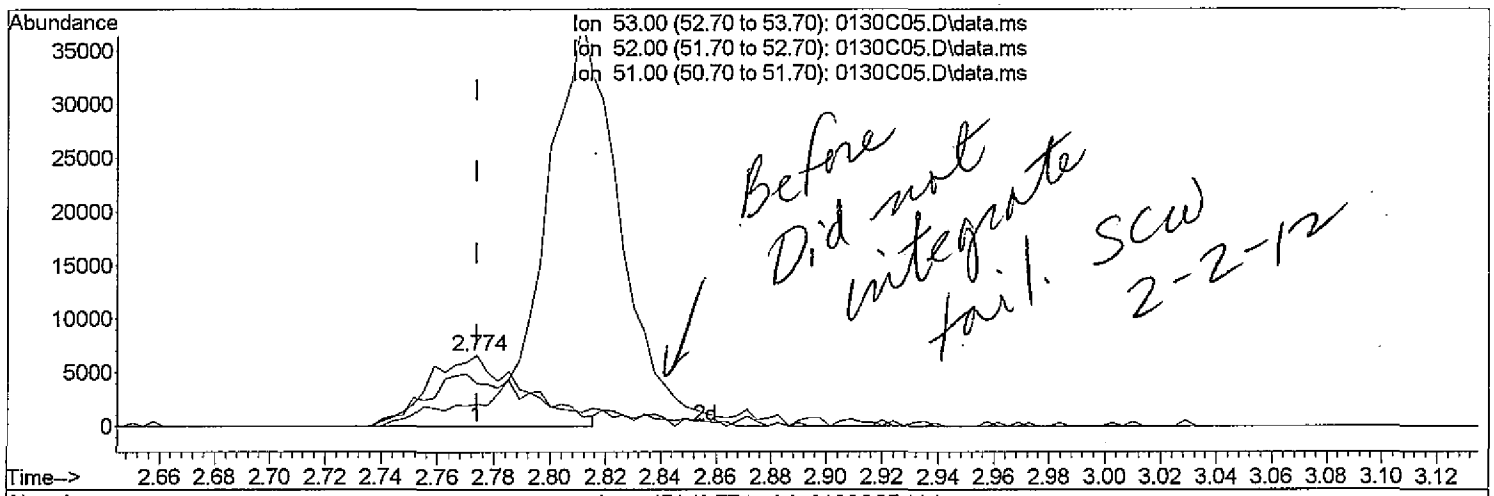
Quant Time: Jan 30 11:46:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

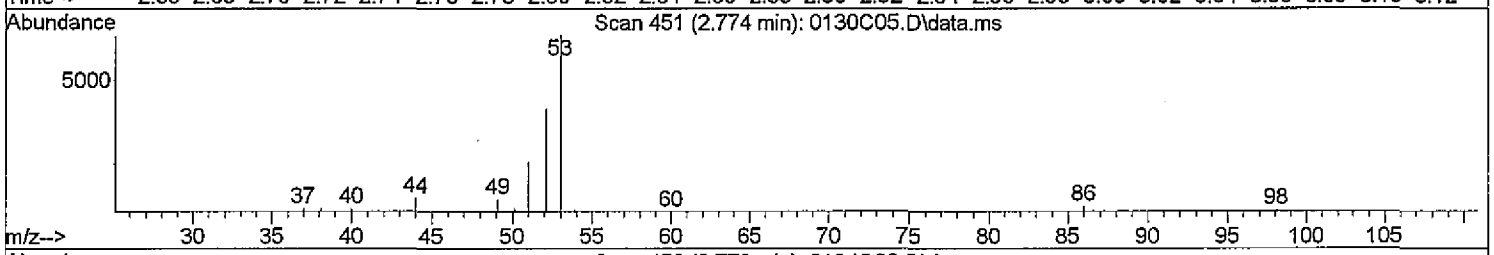


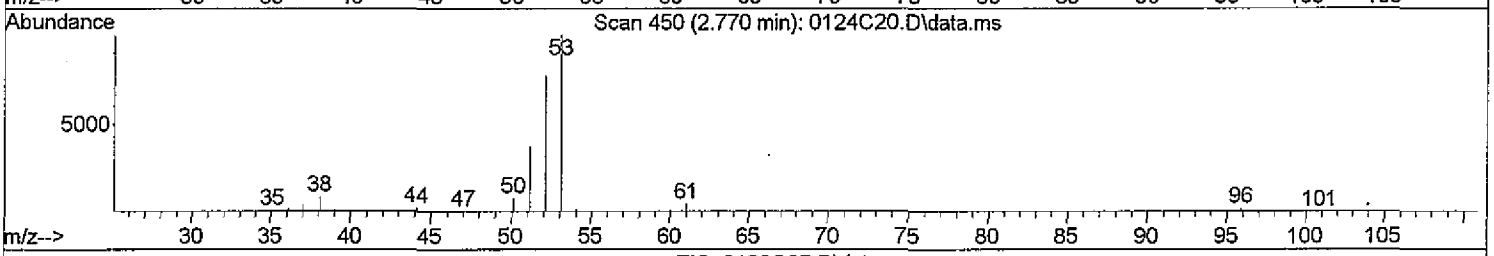
Quantitation Report (Qedit)

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:45:33 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 0130C05.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.774min (-0.000) 4.34ug/L

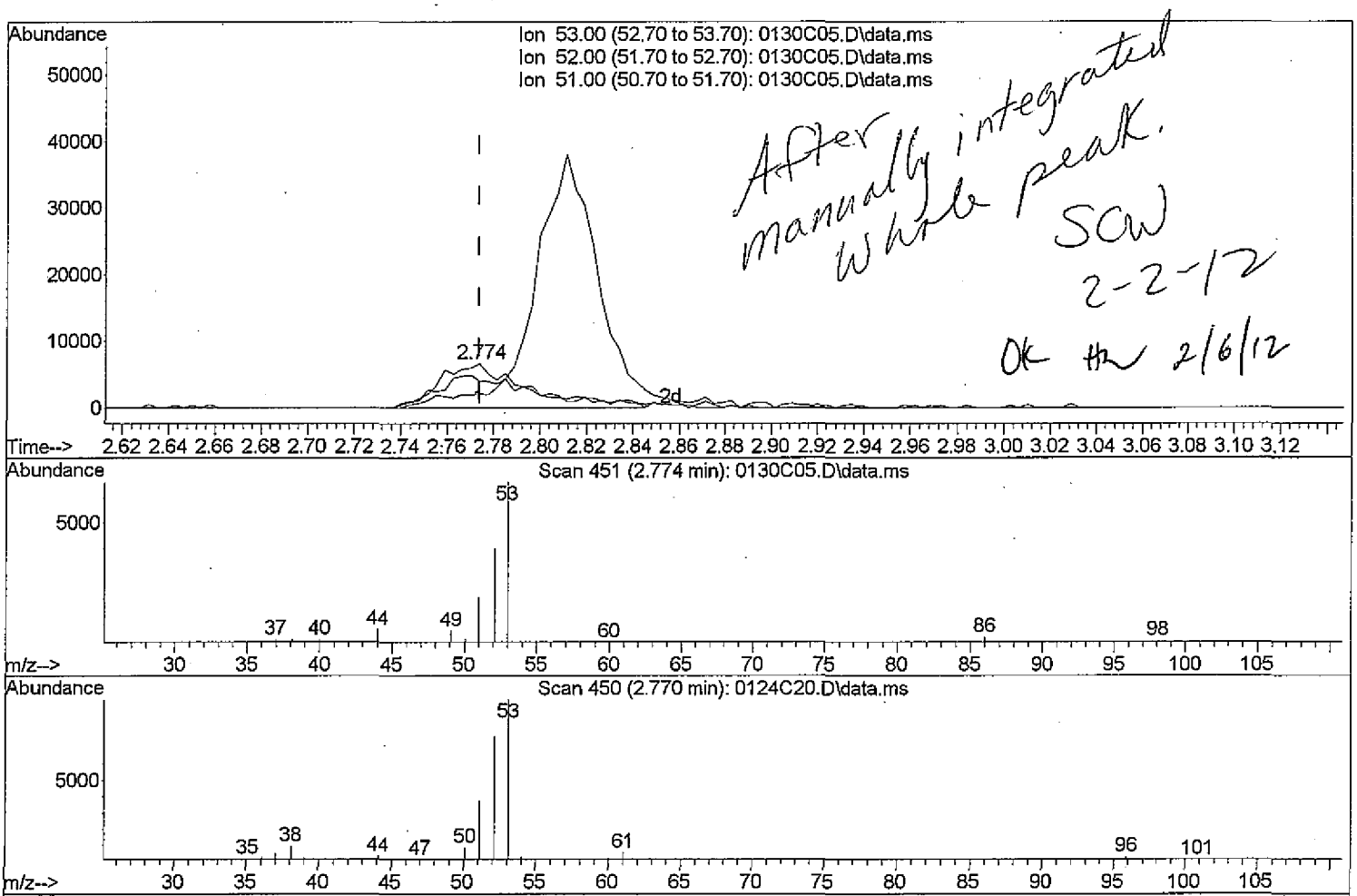
response 15302

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	81.28
51.00	35.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\data\01302012\
Data File : 0130C05.D
Acq On : 30 Jan 2012 11:20 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:46:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration



After manually integrated whole peak. SCW 2-2-12 OK thru 2/6/12

TIC: 0130C05.D\data.ms

(10) ACRYLONITRILE (TMCP)

2.774min (-0.000) 4.78ug/L m

response 16846

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	73.83
51.00	35.00	0.00#
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\data\01312012\
Data File : 0131C05.D
Acq On : 31 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

4 out

Quant Time: Jan 31 12:38:55 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 09:05:33 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	79	0.00
2	TMCP	DICHLORODIFLUOROMETHANE	0.196	0.132	32.7#	53	0.00
3	TMCP	CHLOROMETHANE	0.408	0.353	13.5	72	0.00
4	TMCP	VINYL CHLORIDE	0.376	0.339	9.8	74	0.00
5	TMCP	BROMOMETHANE	0.159	0.169	-6.3	87	0.00
6	TMCP	CHLOROETHANE	0.241	0.242	-0.4	84	0.00
7	TMCP	TRICHLOROFLUOROMETHANE	0.472	0.430	8.9	73	0.00
8	TMCP	ACETONE	0.034	0.056	-64.7#	134	-0.01
9	TMCP	1,1-DICHLOROETHENE	0.216	0.229	-6.0	85	0.00
10	TMCP	ACRYLONITRILE	0.027	0.027	0.0	71	0.01
11	TMCP	METHYLENE CHLORIDE	0.204	0.224	-9.8	81	0.00
12	TMCP	Freon 113	0.202	0.228	-12.9	82	0.00
13	TMCP	CARBON DISULFIDE	0.738	0.703	4.7	78	0.00
14	TMCP	METHYL ACETATE	0.057	0.066	-15.8	87	-0.01
15	TMCP	TRANS-1,2-DICHLOROETHENE	0.251	0.273	-8.8	83	0.00
16	TMCP	METHYL-TERT-BUTYL ETHER	0.255	0.267	-4.7	78	0.00
17	TMCP	1,1-DICHLOROETHANE	0.466	0.517	-10.9	84	0.00
18	TMCP	VINYL ACETATE	0.177	0.170	4.0	77	-0.01
19	TMCP	2-BUTANONE	0.031	0.048	-54.8#	119	0.00
20	TMCP	CIS-1,2-DICHLOROETHENE	0.255	0.281	-10.2	83	0.00
21	TMCP	BROMOCHLOROMETHANE	0.080	0.091	-13.7	86	0.00
22	TMCP	CHLOROFORM	0.399	0.447	-12.0	85	0.00
23	TMCP	2,2-DICHLOROPROPANE	0.247	0.260	-5.3	82	0.00
24	S	1,2-DICHLOROETHANE-d4	0.214	0.214	0.0	80	0.00
25	TMCP	1,2-DICHLOROETHANE	0.192	0.218	-13.5	84	0.00
26	TMCP	1,1,1-TRICHLOROETHANE	0.344	0.367	-6.7	83	0.00
27	TMCP	1,1-DICHLOROPROPENE	0.316	0.339	-7.3	85	0.00
28	TMCP	CYCLOHEXANE	0.479	0.557	-16.3	83	0.00
29	TMCP	CARBON TETRACHLORIDE	0.283	0.320	-13.1	91	-0.01
30	TMCP	BENZENE	1.021	1.121	-9.8	85	0.00
31	TMCP	DIBROMOMETHANE	0.073	0.083	-13.7	88	0.00
32	TMCP	1,2-DICHLOROPROPANE	0.229	0.251	-9.6	85	0.00
33	TMCP	TRICHLOROETHENE	0.267	0.291#	-9.0	85	0.00
34	TMCP	BROMODICHLOROMETHANE	0.227	0.264	-16.3	88	0.00
35	TMCP	METHYLCYCLOHEXANE	0.376	0.426	-13.3	79	0.00
36	TMCP	2-CHLOROETHYLVINYL ETHER	0.028	0.022	21.4	56	0.00
37	TMCP	CIS-1,3-DICHLOROPROPENE	0.228	0.252	-10.5	81	0.00
38	I	CHLOROBENZENE-d5	1.000	1.000	0.0	87	0.00

DIM0218843 DIM0219132

Evaluate Continuing Calibration Report

Data Path : D:\data\01312012\
Data File : 0131C05.D
Acq On : 31 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:38:55 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 09:05:33 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
39	TMCP	4-METHYL-2-PENTANONE	0.085	0.075	11.8	83	0.00
40	TMCP	TRANS-1,3-DICHLOROPROPENE	0.165	0.162	1.8	79	0.00
41	TMCP	1,1,2-TRICHLOROETHANE	0.127	0.131	-3.1	84	0.00
42	S	TOLUENE-d8	1.438	1.368	4.9	82	0.00
43	TMCP	TOLUENE	0.811	0.768	5.3	82	0.00
44	TMCP	1,3-DICHLOROPROPANE	0.241	0.241	0.0	82	0.00
45	TMCP	CHLORODIBROMOMETHANE	0.145	0.144	0.7	83	0.00
46	TMCP	2-HEXANONE	0.054	0.060	-11.1	103	0.00
47	TMCP	1,2-DIBROMOETHANE (EDB)	0.113	0.113	0.0	79	0.00
48	TMCP	TETRACHLOROETHENE	0.230	0.212	7.8	81	0.00
49	TMCP	1,1,1,2-TETRACHLOROETHANE	0.219	0.211	3.7	82	0.00
50	TMCP	CHLOROBENZENE	0.809	0.748	7.5	81	0.00
51	TMCP	ETHYLBENZENE	1.448	1.345	7.1	80	0.00
52	TMCP	BROMOFORM	0.063	0.064	-1.6	80	0.00
53	TMCP	M-XYLENE/P-XYLENE	0.575	0.527	8.3	80	0.00
54	TMCP	STYRENE	0.813	0.781	3.9	83	0.00
55	TMCP	O-XYLENE	0.594	0.547	7.9	82	0.00
56	TMCP	ISOPROPYLBENZENE	1.256	1.113	11.4	78	0.00
57	I	1,4-DICHLOROBENZENE-d4	1.000	1.000	0.0	90	0.00
58	TMCP	1,1,2,2-TETRACHLOROETHANE	0.307	0.287#	6.5	82	0.00
59	TMCP	1,2,3-TRICHLOROPROPANE	0.214	0.200	6.5	80	0.00
60	S	4-BROMOFLUOROBENZENE	0.963	0.921	4.4	90	0.00
61	TMCP	BROMOBENZENE	0.614	0.530	13.7	79	0.00
62	TMCP	N-PROPYLBENZENE	3.651	3.083	15.6	78	0.00
63	TMCP	2-CHLOROTOLUENE	2.183	1.827	16.3	78	0.00
64	TMCP	4-CHLOROTOLUENE	2.167	1.800	16.9	78	0.00
65	TMCP	1,3,5-TRIMETHYLBENZENE	2.573	2.159	16.1	78	0.00
66	TMCP	TERT-BUTYLBENZENE	2.186	1.849	15.4	78	0.00
67	TMCP	1,2,4-TRIMETHYLBENZENE	2.552	2.145	15.9	77	0.00
68	TMCP	SEC-BUTYLBENZENE	3.354	2.831	15.6	80	0.00
69	TMCP	1,3-DICHLOROBENZENE	1.363	1.135	16.7	78	0.00
70	TMCP	1,4-DICHLOROBENZENE	1.294	1.059	18.2	77	0.00
71	TMCP	P-ISOPROPYLTOLUENE	2.506	2.076	17.2	78	0.00
72	TMCP	1,2-DICHLOROBENZENE	1.058	0.874	17.4	77	0.00
73	TMCP	N-BUTYLBENZENE	2.360	2.003	15.1	79	0.00
74	TMCP	1,2-DIBROMO-3-CHLOROPROPANE	0.034	0.029	14.7	77	0.00
75	TMCP	1,2,4-TRICHLOROBENZENE	0.589	0.432	26.7#	69	0.00
76	TMCP	NAPHTHALENE	0.810	0.644	20.5	66	0.00

Evaluate Continuing Calibration Report

Data Path : D:\data\01312012\
Data File : 0131C05.D
Acq On : 31 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:38:55 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 09:05:33 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
77 TMCP HEXACHLOROBUTADIENE	0.381	0.306	19.7	77	0.00
78 TMCP 1,2,3-TRICHLOROBENZENE	0.503	0.392	22.1	71	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 4

DIM0218843 DIM0219134

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 0131C05.D
Acq On : 31 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:38:55 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 09:05:33 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.376	114	471430	4.00	ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	416428	4.00	ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	194911	4.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-DICHLOROETHANE-d4	5.342	65	100750	3.99	ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 99.75%			
42) TOLUENE-d8	8.472	98	569636	3.80	ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 95.00%			
60) 4-BROMOFLUOROBENZENE	11.531	95	179576	3.83	ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 95.75%			

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	1.203	85	77701	3.37	ug/L	99
3) CHLOROMETHANE	1.304	50	207765	4.33	ug/L	99
4) VINYL CHLORIDE	1.417	62	200041	4.52	ug/L	99
5) BROMOMETHANE	1.660	94	99518	5.30	ug/L	99
6) CHLOROETHANE	1.765	64	142716	5.02	ug/L	99
7) TRICHLOROFLUOROMETHANE	2.185	101	253404	4.56	ug/L	99
8) ACETONE	2.339	43	32750	8.12	ug/L #	67
9) 1,1-DICHLOROETHENE	2.643	96	135004	5.30	ug/L	96
10) ACRYLONITRILE	2.778	53	16017	4.96	ug/L #	1
11) METHYLENE CHLORIDE	2.811	84	132018	5.48	ug/L #	78
12) Freon 113	2.890	101	134563	5.64	ug/L	89
13) CARBON DISULFIDE	2.924	76	414017	4.76	ug/L	100
14) METHYL ACETATE	2.942	43	39098	5.85	ug/L #	73
15) TRANS-1,2-DICHLOROETHENE	3.527	96	160811	5.43	ug/L	98
16) METHYL-TERT-BUTYL ETHER	3.711	73	157062	5.22	ug/L #	94
17) 1,1-DICHLOROETHANE	3.801	63	304653	5.54	ug/L	98
18) VINYL ACETATE	4.086	43	100154	4.79	ug/L	98
19) 2-BUTANONE	4.393	43	28025	7.56	ug/L #	87
20) CIS-1,2-DICHLOROETHENE	4.453	96	165609	5.51	ug/L	99
21) BROMOCHLOROMETHANE	4.618	128	53609	5.72	ug/L #	73
22) CHLOROFORM	4.701	83	263557	5.60	ug/L	98
23) 2,2-DICHLOROPROPANE	4.764	77	153436	5.27	ug/L	96
25) 1,2-DICHLOROETHANE	5.428	62	128330	5.66	ug/L	98
26) 1,1,1-TRICHLOROETHANE	5.522	97	216111	5.32	ug/L #	92
27) 1,1-DICHLOROPROPENE	5.761	75	199742	5.37	ug/L	98
28) CYCLOHEXANE	5.810	56	328203	5.82	ug/L	85
29) CARBON TETRACHLORIDE	5.915	117	188369	5.65	ug/L	98
30) BENZENE	5.994	78	660602	5.49	ug/L	100
31) DIBROMOMETHANE	6.635	93	49078	5.73	ug/L #	82
32) 1,2-DICHLOROPROPANE	6.706	63	147693	5.48	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 0131C05.D
Acq On : 31 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:38:55 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 09:05:33 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
33) TRICHLOROETHENE	6.766	130	171433	5.45 ug/L	99
34) BROMODICHLOROMETHANE	6.811	83	155703	5.82 ug/L	98
35) METHYLCYCLOHEXANE	7.332	83	250913	5.67 ug/L	90
36) 2-CHLOROETHYLVINYL ETHER	7.463	63	12922	3.96 ug/L #	93
37) CIS-1,3-DICHLOROPROPENE	7.640	75	148450	5.54 ug/L	100
39) 4-METHYL-2-PENTANONE	7.872	43	39255	4.41 ug/L #	92
40) TRANS-1,3-DICHLOROPROPENE	8.194	75	84071	4.89 ug/L	100
41) 1,1,2-TRICHLOROETHANE	8.329	97	68430	5.18 ug/L	98
43) TOLUENE	8.550	92	399558	4.73 ug/L	99
44) 1,3-DICHLOROPROPANE	8.625	76	125408	5.00 ug/L	100
45) CHLORODIBROMOMETHANE	8.869	129	74808	4.96 ug/L #	95
46) 2-HEXANONE	8.944	43	31043	5.52 ug/L #	95
47) 1,2-DIBROMOETHANE (EDB)	9.150	107	58939	4.99 ug/L #	98
48) TETRACHLOROETHENE	9.409	164	110225	4.61 ug/L	97
49) 1,1,1,2-TETRACHLOROETHANE	10.155	131	109718	4.82 ug/L	95
50) CHLOROBENZENE	10.234	112	389565	4.62 ug/L	97
51) ETHYLBENZENE	10.526	91	700201	4.64 ug/L	100
52) BROMOFORM	10.743	173	33361	5.10 ug/L #	96
53) M-XYLENE/P-XYLENE	10.758	106	548852	9.18 ug/L	96
54) STYRENE	11.088	104	812564	9.60 ug/L	96
55) O-XYLENE	11.156	106	569074	9.20 ug/L	97
56) ISOPROPYLBENZENE	11.534	105	579145	4.43 ug/L	100
58) 1,1,2,2-TETRACHLOROETHANE	11.144	83	69998	4.67 ug/L #	99
59) 1,2,3-TRICHLOROPROPANE	11.283	75	48669	4.67 ug/L	98
61) BROMOBENZENE	11.684	156	129082	4.31 ug/L	95
62) N-PROPYLBENZENE	11.950	91	751251	4.22 ug/L	98
63) 2-CHLOROTOLUENE	11.992	91	445140	4.19 ug/L	98
64) 4-CHLOROTOLUENE	12.070	91	438585	4.15 ug/L	99
65) 1,3,5-TRIMETHYLBENZENE	12.254	105	526094	4.20 ug/L	100
66) TERT-BUTYLBENZENE	12.457	119	450368	4.23 ug/L	100
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	522540	4.20 ug/L	100
68) SEC-BUTYLBENZENE	12.648	105	689831	4.22 ug/L	100
69) 1,3-DICHLOROBENZENE	12.659	146	276621	4.17 ug/L	98
70) 1,4-DICHLOROBENZENE	12.723	146	258032	4.09 ug/L	99
71) P-ISOPROPYLTOLUENE	12.828	119	505883	4.14 ug/L	98
72) 1,2-DICHLOROBENZENE	13.000	146	213049	4.13 ug/L	99
73) N-BUTYLBENZENE	13.161	91	488080	4.24 ug/L	97
74) 1,2-DIBROMO-3-CHLOROPR...	13.382	75	7074	4.26 ug/L	93
75) 1,2,4-TRICHLOROBENZENE	14.447	180	105331	3.67 ug/L #	98
76) NAPHTHALENE	14.623	128	156839	3.98 ug/L	99
77) HEXACHLOROBUTADIENE	14.698	225	74640	4.02 ug/L #	81
78) 1,2,3-TRICHLOROBENZENE	14.769	180	95602	3.90 ug/L #	98

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 0131C05.D
Acq On : 31 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:38:55 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 09:05:33 2012
Response via : Initial Calibration

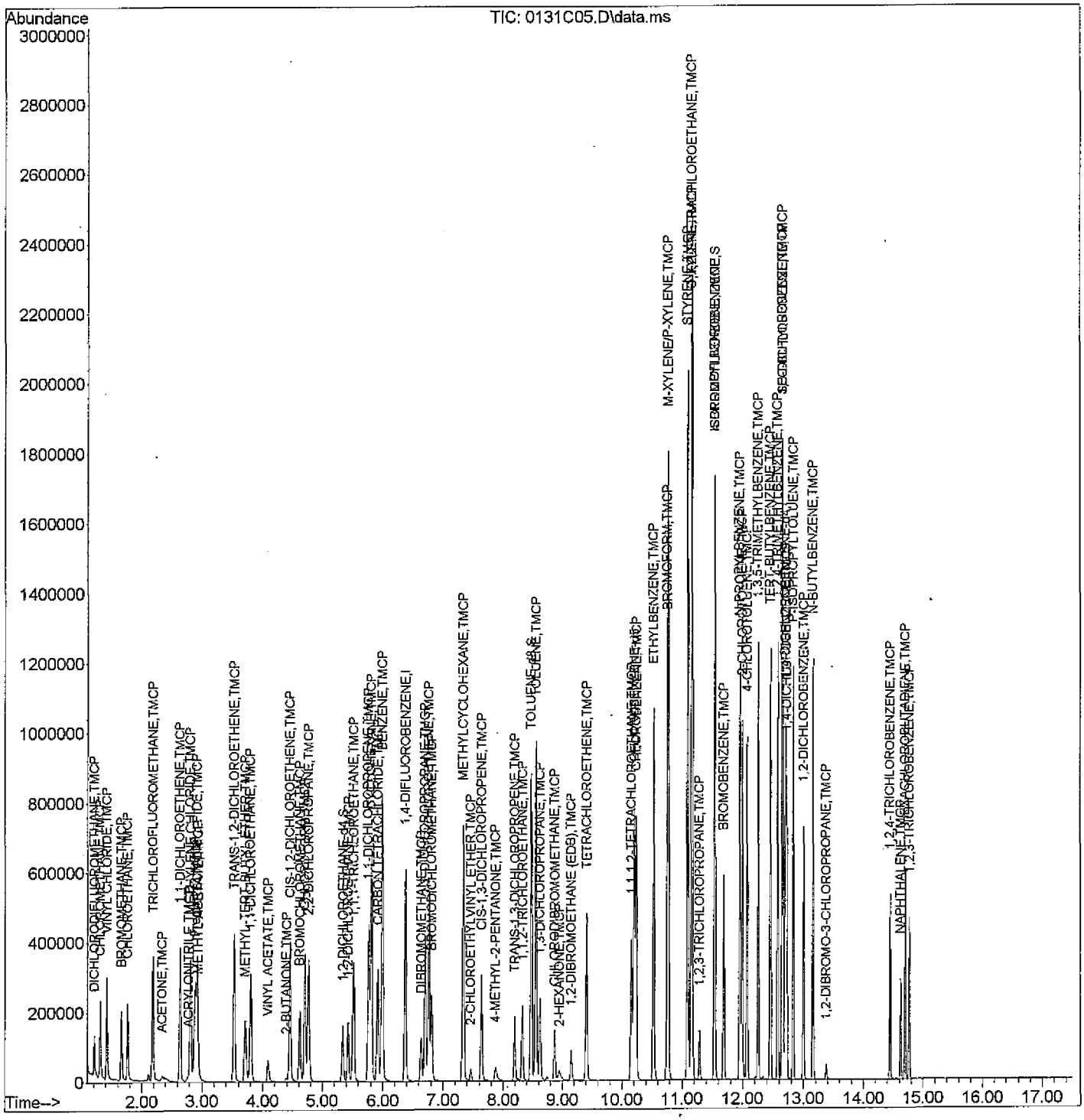
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 0131C05.D
Acq On : 31 Jan 2012 12:14 pm
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:38:55 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 09:05:33 2012
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

3 out /

Quant Time: Feb 02 10:16:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	74	0.00
2	TMCP	DICHLORODIFLUOROMETHANE	0.196	0.177	9.7	66	0.00
3	TMCP	CHLOROMETHANE	0.408	0.387	5.1	73	0.00
4	TMCP	VINYL CHLORIDE	0.376	0.376	0.0	77	0.00
5	TMCP	BROMOMETHANE	0.159	0.148	6.9	71	0.00
6	TMCP	CHLOROETHANE	0.241	0.250	-3.7	81	0.00
7	TMCP	TRICHLOROFLUOROMETHANE	0.472	0.530	-12.3	84	0.00
8	TMCP	ACETONE	0.034	0.051	-50.0#	114	0.03
9	TMCP	1,1-DICHLOROETHENE	0.216	0.219	-1.4	76	0.00
10	TMCP	ACRYLONITRILE	0.027	0.030	-11.1	73	-0.01
11	TMCP	METHYLENE CHLORIDE	0.204	0.217	-6.4	73	0.00
12	TMCP	Freon 113	0.202	0.203	-0.5	68	0.00
13	TMCP	CARBON DISULFIDE	0.738	0.775	-5.0	80	0.00
14	TMCP	METHYL ACETATE	0.057	0.063	-10.5	78	0.01
15	TMCP	TRANS-1,2-DICHLOROETHENE	0.251	0.263	-4.8	74	0.00
16	TMCP	METHYL-TERT-BUTYL ETHER	0.255	0.244	4.3	67	0.00
17	TMCP	1,1-DICHLOROETHANE	0.466	0.514	-10.3	78	0.00
18	TMCP	VINYL ACETATE	0.177	0.184	-4.0	78	0.00
19	TMCP	2-BUTANONE	0.031	0.041	-32.3#	96	0.00
20	TMCP	CIS-1,2-DICHLOROETHENE	0.255	0.272	-6.7	75	0.00
21	TMCP	BROMOCHLOROMETHANE	0.080	0.084	-5.0	74	0.00
22	TMCP	CHLOROFORM	0.399	0.440	-10.3	79	0.00
23	TMCP	2,2-DICHLOROPROPANE	0.247	0.249	-0.8	73	0.00
24	S	1,2-DICHLOROETHANE-d4	0.214	0.212	0.9	74	0.00
25	TMCP	1,2-DICHLOROETHANE	0.192	0.213	-10.9	77	0.00
26	TMCP	1,1,1-TRICHLOROETHANE	0.344	0.366	-6.4	78	0.00
27	TMCP	1,1-DICHLOROPROPENE	0.316	0.319	-0.9	74	0.00
28	TMCP	CYCLOHEXANE	0.479	0.514	-7.3	72	0.00
29	TMCP	CARBON TETRACHLORIDE	0.283	0.305	-7.8	81	0.00
30	TMCP	BENZENE	1.021	1.093	-7.1	77	0.00
31	TMCP	DIBROMOMETHANE	0.073	0.076	-4.1	75	0.00
32	TMCP	1,2-DICHLOROPROPANE	0.229	0.241	-5.2	76	0.00
33	TMCP	TRICHLOROETHENE	0.267	0.278#	-4.1	76	0.00
34	TMCP	BROMODICHLOROMETHANE	0.227	0.258	-13.7	80	0.00
35	TMCP	METHYLCYCLOHEXANE	0.376	0.382	-1.6	67	0.00
36	TMCP	2-CHLOROETHYLVINYL ETHER	0.028	0.013	53.6#	31#	0.00
37	TMCP	CIS-1,3-DICHLOROPROPENE	0.228	0.244	-7.0	74	0.00
38	I	CHLOROBENZENE-d5	1.000	1.000	0.0	86	0.00

Evaluate Continuing Calibration Report

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 10:16:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
39	TMCP	4-METHYL-2-PENTANONE	0.085	0.076	10.6	82	0.00
40	TMCP	TRANS-1,3-DICHLOROPROPENE	0.165	0.146	11.5	70	0.00
41	TMCP	1,1,2-TRICHLOROETHANE	0.127	0.119	6.3	75	0.00
42	S	TOLUENE-d8	1.438	1.317	8.4	78	0.00
43	TMCP	TOLUENE	0.811	0.729	10.1	77	0.00
44	TMCP	1,3-DICHLOROPROPANE	0.241	0.221	8.3	74	0.00
45	TMCP	CHLORODIBROMOMETHANE	0.145	0.138	4.8	79	0.00
46	TMCP	2-HEXANONE	0.054	0.057	-5.6	97	0.00
47	TMCP	1,2-DIBROMOETHANE (EDB)	0.113	0.106	6.2	73	0.00
48	TMCP	TETRACHLOROETHENE	0.230	0.199#	13.5	75	0.00
49	TMCP	1,1,1,2-TETRACHLOROETHANE	0.219	0.198	9.6	76	0.00
50	TMCP	CHLOROBENZENE	0.809	0.728	10.0	78	0.00
51	TMCP	ETHYLBENZENE	1.448	1.331	8.1	78	0.00
52	TMCP	BROMOFORM	0.063	0.061	3.2	75	0.00
53	TMCP	M-XYLENE/P-XYLENE	0.575	0.527	8.3	79	0.00
54	TMCP	STYRENE	0.813	0.768	5.5	80	0.00
55	TMCP	O-XYLENE	0.594	0.543	8.6	81	0.00
56	TMCP	ISOPROPYLBENZENE	1.256	1.121	10.7	78	0.00
57	I	1,4-DICHLOROBENZENE-d4	1.000	1.000	0.0	90	0.00
58	TMCP	1,1,2,2-TETRACHLOROETHANE	0.307	0.260#	15.3	73	0.00
59	TMCP	1,2,3-TRICHLOROPROPANE	0.214	0.179	16.4	71	0.00
60	S	4-BROMOFLUOROBENZENE	0.963	0.912	5.3	88	0.00
61	TMCP	BROMOBENZENE	0.614	0.522	15.0	78	0.00
62	TMCP	N-PROPYLBENZENE	3.651	3.181	12.9	79	0.00
63	TMCP	2-CHLOROTOLUENE	2.183	1.886	13.6	80	0.00
64	TMCP	4-CHLOROTOLUENE	2.167	1.860	14.2	80	0.00
65	TMCP	1,3,5-TRIMETHYLBENZENE	2.573	2.280	11.4	82	0.00
66	TMCP	TERT-BUTYLBENZENE	2.186	1.903	12.9	80	0.00
67	TMCP	1,2,4-TRIMETHYLBENZENE	2.552	2.286	10.4	81	0.00
68	TMCP	SEC-BUTYLBENZENE	3.354	2.912	13.2	82	0.00
69	TMCP	1,3-DICHLOROBENZENE	1.363	1.178	13.6	80	0.00
70	TMCP	1,4-DICHLOROBENZENE	1.294	1.100	15.0	79	0.00
71	TMCP	P-ISOPROPYLTOLUENE	2.506	2.210	11.8	82	0.00
72	TMCP	1,2-DICHLOROBENZENE	1.058	0.895	15.4	78	0.00
73	TMCP	N-BUTYLBENZENE	2.360	2.151	8.9	84	0.00
74	TMCP	1,2-DIBROMO-3-CHLOROPROPANE	0.034	0.029	14.7	76	0.00
75	TMCP	1,2,4-TRICHLOROBENZENE	0.589	0.495	16.0	78	0.00
76	TMCP	NAPHTHALENE	0.810	0.665	17.9	68	0.00

DIM0218843 DIM0219140

Evaluate Continuing Calibration Report

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 10:16:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
77 TMCP HEXACHLOROBUTADIENE	0.381	0.325	14.7	81	0.00
78 TMCP 1,2,3-TRICHLOROBENZENE	0.503	0.434	13.7	78	0.00

(#) = Out of Range SPCC's out = 3 CCC's out = 3

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 10:16:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.376	114	440375	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	410525	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	193547	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.342	65	93552	3.97 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 99.25%		
42) TOLUENE-d8	8.475	98	540704	3.66 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 91.50%		
60) 4-BROMOFLUOROBENZENE	11.531	95	176441	3.79 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 94.75%		

Target Compounds					Qvalue
2) DICHLORODIFLUOROMETHANE	1.203	85	97604	4.53 ug/L	100
3) CHLOROMETHANE	1.308	50	213103	4.75 ug/L	99
4) VINYL CHLORIDE	1.417	62	207169	5.01 ug/L	98
5) BROMOMETHANE	1.660	94	81432	4.65 ug/L	100
6) CHLOROETHANE	1.765	64	137540	5.18 ug/L	98
7) TRICHLOROFLUOROMETHANE	2.185	101	291853	5.62 ug/L	98
8) ACETONE	2.365	43	28012m	7.44 ug/L	
9) 1,1-DICHLOROETHENE	2.639	96	120327	5.06 ug/L	95
10) ACRYLONITRILE	2.766	53	16513m	5.47 ug/L	
11) METHYLENE CHLORIDE	2.815	84	119713	5.32 ug/L #	77
12) Freon 113	2.882	101	112001	5.03 ug/L	87
13) CARBON DISULFIDE	2.924	76	426715	5.25 ug/L	98
14) METHYL ACETATE	2.954	43	34760	5.57 ug/L	93
15) TRANS-1,2-DICHLOROETHENE	3.527	96	144806	5.23 ug/L	96
16) METHYL-TERT-BUTYL ETHER	3.715	73	134415	4.79 ug/L #	94
17) 1,1-DICHLOROETHANE	3.801	63	282742	5.51 ug/L	97
18) VINYL ACETATE	4.089	43	101251	5.18 ug/L #	95
19) 2-BUTANONE	4.386	43	22560	6.51 ug/L #	89
20) CIS-1,2-DICHLOROETHENE	4.453	96	149512	5.32 ug/L	98
21) BROMOCHLOROMETHANE	4.614	128	46419	5.30 ug/L #	69
22) CHLOROFORM	4.700	83	242327	5.51 ug/L	97
23) 2,2-DICHLOROPROPANE	4.768	77	136879	5.03 ug/L	95
25) 1,2-DICHLOROETHANE	5.431	62	117188	5.53 ug/L #	99
26) 1,1,1-TRICHLOROETHANE	5.521	97	201239	5.31 ug/L #	93
27) 1,1-DICHLOROPROPENE	5.761	75	175508	5.05 ug/L	96
28) CYCLOHEXANE	5.810	56	282947	5.37 ug/L	84
29) CARBON TETRACHLORIDE	5.923	117	167855	5.39 ug/L	99
30) BENZENE	5.994	78	601565	5.35 ug/L	100
31) DIBROMOMETHANE	6.639	93	41864	5.24 ug/L	85
32) 1,2-DICHLOROPROPANE	6.702	63	132777	5.27 ug/L	100

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
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Sample : 5 ppb, 2.5uL to 100 mL
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ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 10:16:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
33) TRICHLOROETHENE	6.766	130	153003	5.20 ug/L	95
34) BROMODICHLOROMETHANE	6.815	83	142014	5.69 ug/L	99
35) METHYLCYCLOHEXANE	7.336	83	210550	5.09 ug/L	88
36) 2-CHLOROETHYLVINYL ETHER	7.467	63	7132	2.34 ug/L #	85
37) CIS-1,3-DICHLOROPROPENE	7.639	75	134375	5.36 ug/L	98
39) 4-METHYL-2-PENTANONE	7.876	43	38904	4.44 ug/L #	89
40) TRANS-1,3-DICHLOROPROPENE	8.194	75	74822	4.42 ug/L	99
41) 1,1,2-TRICHLOROETHANE	8.325	97	61266	4.70 ug/L	98
43) TOLUENE	8.554	92	374075	4.50 ug/L	98
44) 1,3-DICHLOROPROPANE	8.625	76	113231	4.58 ug/L	100
45) CHLORODIBROMOMETHANE	8.869	129	70948	4.77 ug/L #	98
46) 2-HEXANONE	8.948	43	29425	5.31 ug/L #	70
47) 1,2-DIBROMOETHANE (EDB)	9.150	107	54325	4.66 ug/L #	99
48) TETRACHLOROETHENE	9.409	164	101956	4.32 ug/L	97
49) 1,1,1,2-TETRACHLOROETHANE	10.155	131	101764	4.53 ug/L	96
50) CHLOROBENZENE	10.237	112	373675	4.50 ug/L	96
51) ETHYLBENZENE	10.526	91	683266	4.60 ug/L	100
52) BROMOFORM	10.747	173	31268	4.85 ug/L	97
53) M-XYLENE/P-XYLENE	10.762	106	540846	9.17 ug/L	96
54) STYRENE	11.088	104	788519	9.45 ug/L	95
55) O-XYLENE	11.159	106	557184	9.14 ug/L	98
56) ISOPROPYLBENZENE	11.534	105	575178	4.46 ug/L	98
58) 1,1,2,2-TETRACHLOROETHANE	11.141	83	62925	4.23 ug/L	99
59) 1,2,3-TRICHLOROPROPANE	11.287	75	43373	4.19 ug/L	97
61) BROMOBENZENE	11.684	156	126376	4.25 ug/L	92
62) N-PROPYLBENZENE	11.950	91	769675	4.36 ug/L	97
63) 2-CHLOROTOLUENE	11.992	91	456365	4.32 ug/L	96
64) 4-CHLOROTOLUENE	12.070	91	450087	4.29 ug/L	98
65) 1,3,5-TRIMETHYLBENZENE	12.254	105	551639	4.43 ug/L	100
66) TERT-BUTYLBENZENE	12.456	119	460351	4.35 ug/L	99
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	552988	4.48 ug/L	100
68) SEC-BUTYLBENZENE	12.648	105	704582	4.34 ug/L	99
69) 1,3-DICHLOROBENZENE	12.659	146	285049	4.32 ug/L	99
70) 1,4-DICHLOROBENZENE	12.719	146	266245	4.25 ug/L	99
71) P-ISOPROPYLTOLUENE	12.828	119	534675	4.41 ug/L	98
72) 1,2-DICHLOROBENZENE	13.000	146	216500	4.23 ug/L	100
73) N-BUTYLBENZENE	13.161	91	520305	4.56 ug/L	98
74) 1,2-DIBROMO-3-CHLOROPR...	13.379	75	7047	4.27 ug/L	94
75) 1,2,4-TRICHLOROBENZENE	14.447	180	119734	4.20 ug/L #	97
76) NAPHTHALENE	14.623	128	160876	4.11 ug/L	99
77) HEXACHLOROBUTADIENE	14.698	225	78687	4.27 ug/L #	84
78) 1,2,3-TRICHLOROBENZENE	14.769	180	104934	4.31 ug/L #	96

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 10:16:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
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QLast Update : Tue Jan 31 12:43:25 2012
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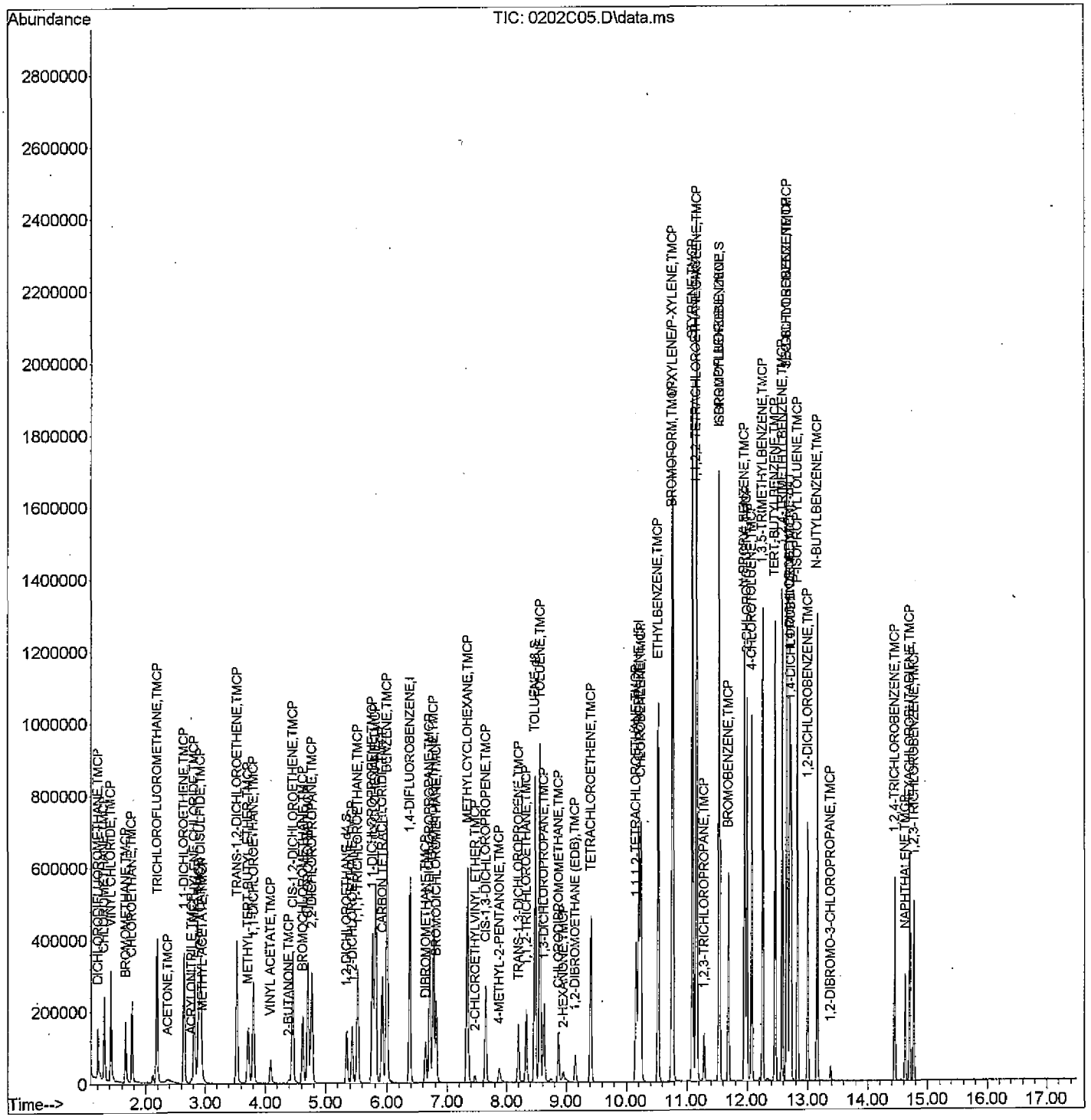
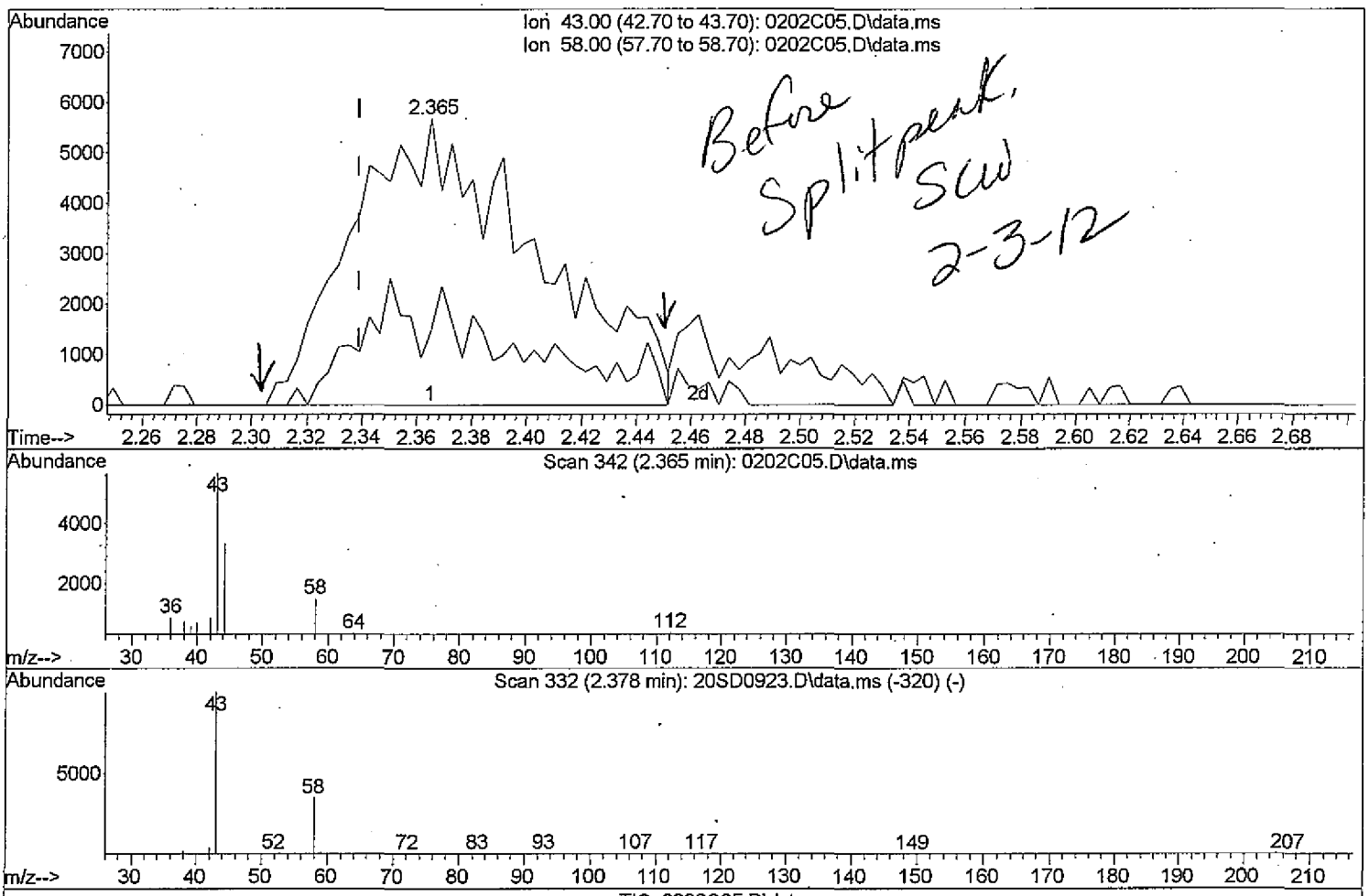


Quantitation Report (Qedit)

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 10:14:35 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



(8) ACETONE (TMCP)

2.365min (+0.026) 6.92ug/L

response 26071

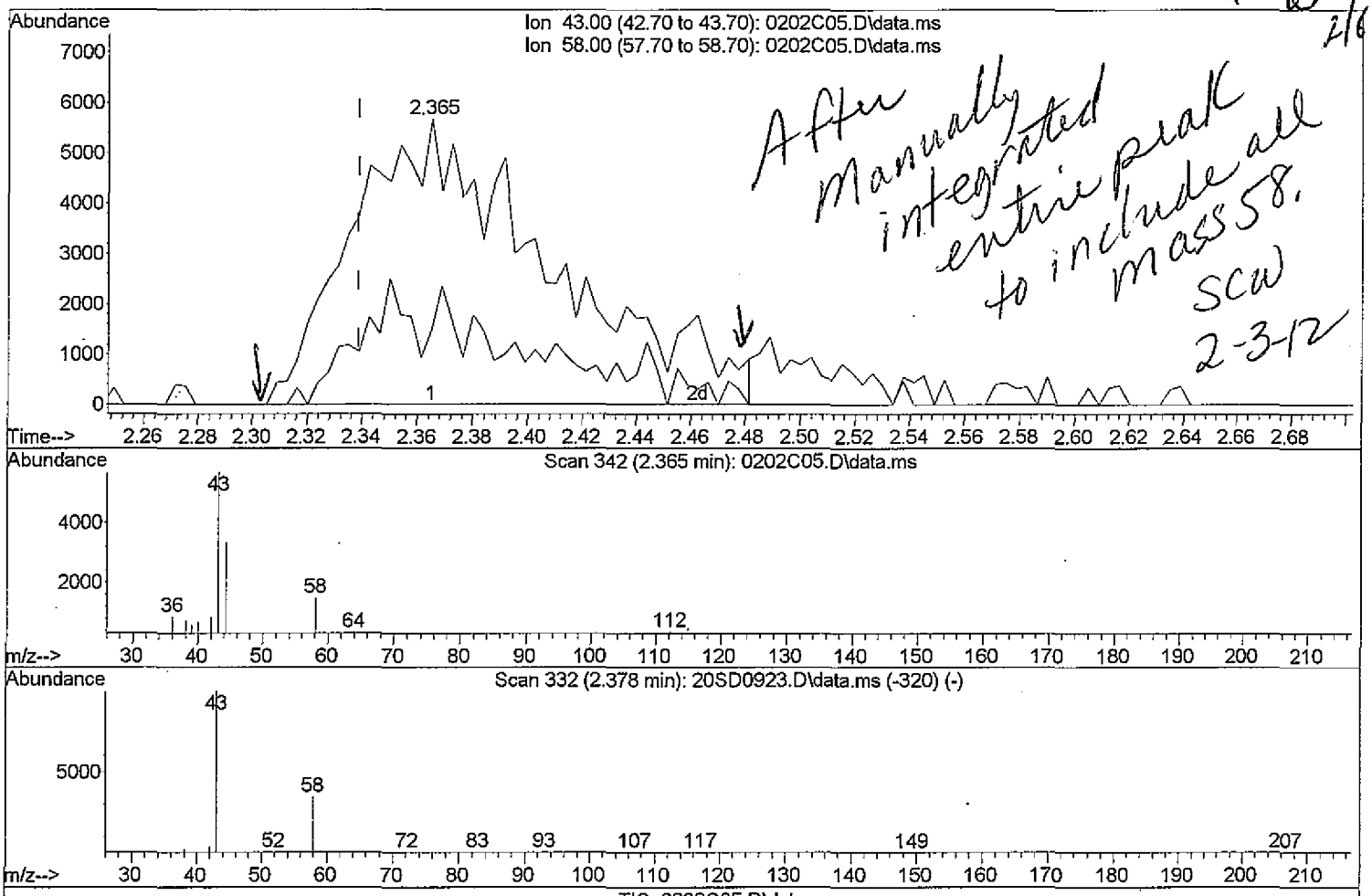
Ion	Exp%	Act%
43.00	100	100
58.00	28.10	2.67#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 10:14:35 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

QC ✓ 2/6/12



After manually integrated entire peak to include all mass 58. SCW 2-3-12

(8) ACETONE (TMCP)

2.365min (+0.026) 7.44ug/L m

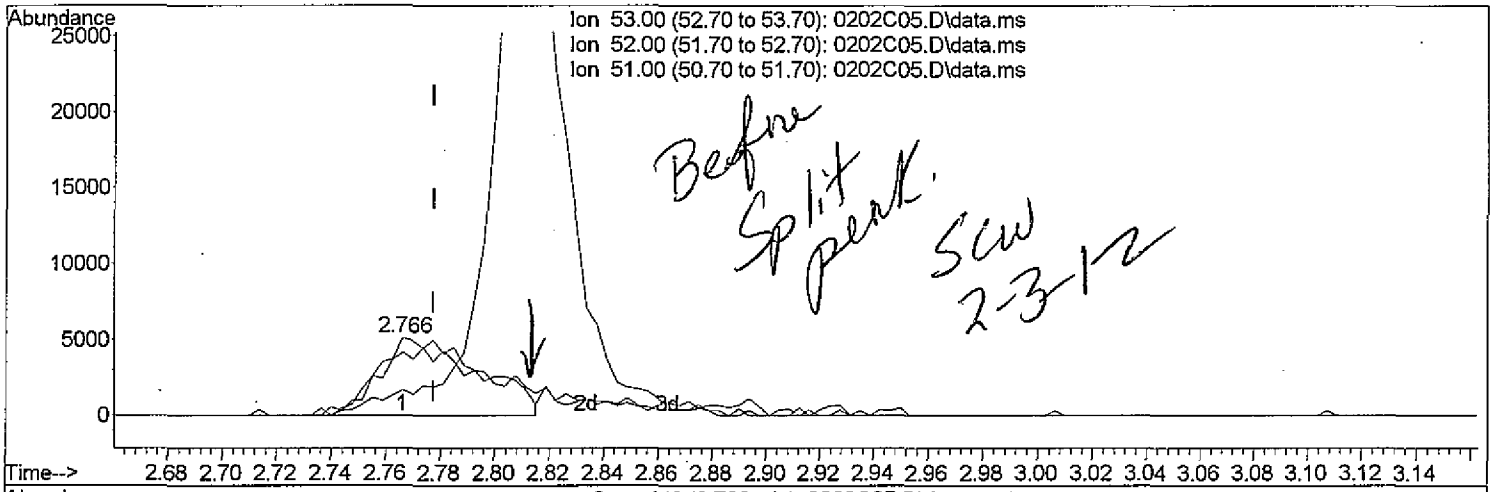
response 28012

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	2.49#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 10:14:35 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



(10) ACRYLONITRILE (TMCP)

2.766min (-0.011) 4.47ug/L

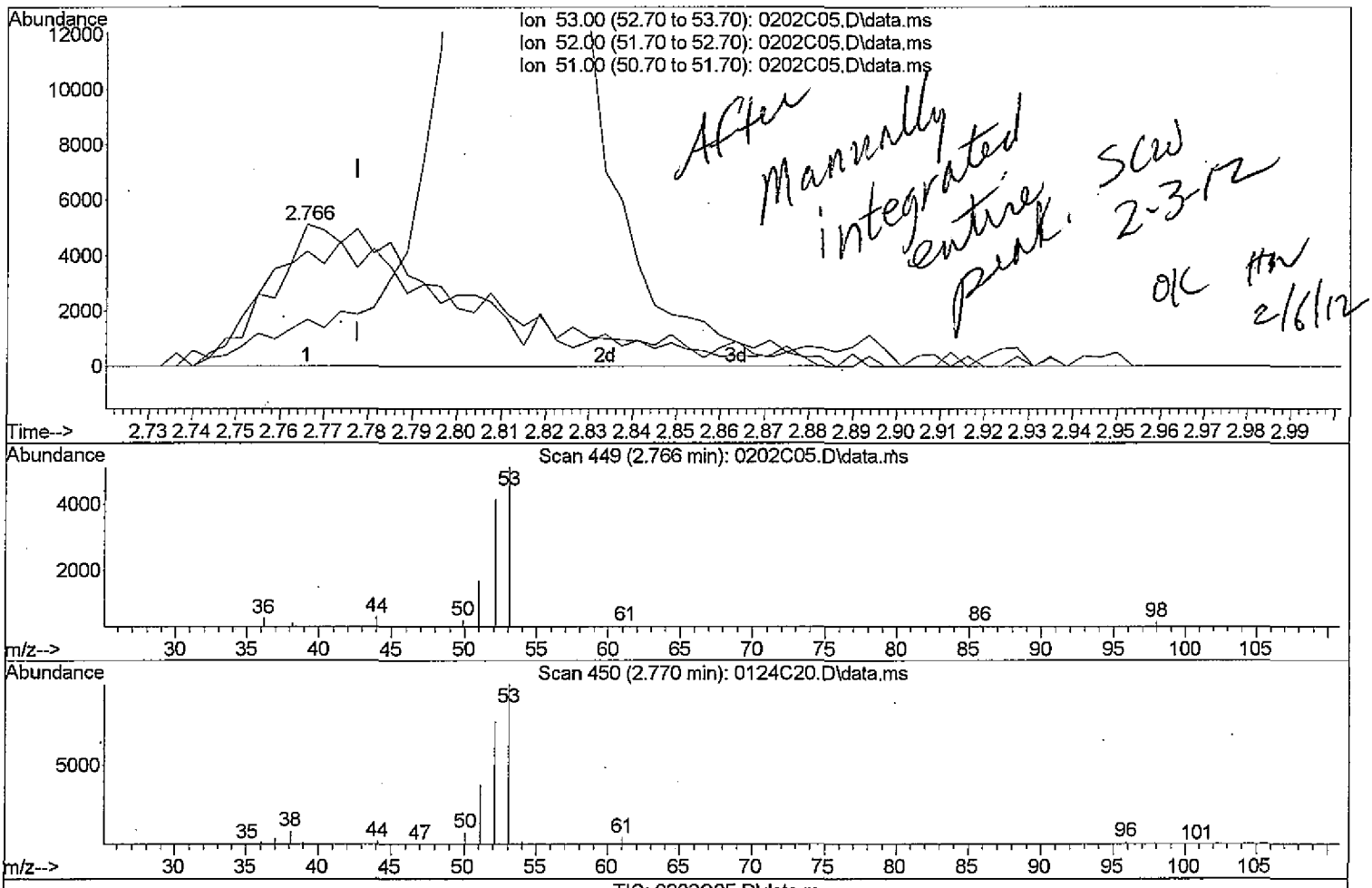
response 13497

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	110.08#
51.00	35.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\data\02022012\
Data File : 0202C05.D
Acq On : 2 Feb 2012 9:51 am
Operator : SCW OBB-AG5975
Sample : 5 ppb, 2.5uL to 100 mL
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 02 10:14:35 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



After manually integrated entire peak. SCW 2-3-12
OK HW 2/6/12

(10) ACRYLONITRILE (TMCP)

2.766min (-0.011) 5.47ug/L m

response 16513

Ion	Exp%	Act%
53.00	100	100
52.00	80.00	89.98
51.00	35.00	0.00#
0.00	0.00	0.00

Case File Contents

Volatile Organic Compounds

VOCs by CLP Equivalent (trace)

WO 1201013

Dimock Residential Groundwater

DAS R33907

Log Book Copies, Run Logs

VOC PURGE & TRAP PREPARATION BENCH SHEET

BB20301

U.S. EPA Region 3

bch_voc_purge.rpt

Project: DAS R33907
Work Order No: 1201013
Site Name: Dimock Residential Groundwater
Analysis: VOCs by CLP Equivalent (trace)
Matrix: Water

Printed: 2/3/2012 10:11:29AM

Prepared using: ORGANIC-GCMS - VOC Purge and Trap

Surrogate used: 1100782

LabNumber	Container ID	Prepared	Initial (mL)	Final (mL)	Surrogate (µL)	Source ID	Spike 1 ID	Spike 1 (µL)	Spike 2 ID	Spike 2 (µL)	Notes
1201013-01	L	01/27/12 09:00	25	25	2						
1201013-03	P	01/27/12 09:00	25	25	2						
1201013-05	O	01/27/12 09:00	25	25	2						
1201013-07	O	01/27/12 09:00	25	25	2						
1201013-09	M	01/27/12 09:00	25	25	2						
1201013-11	C	01/27/12 09:00	25	25	2						
1201013-12	N	01/30/12 09:00	25	25	2						
1201013-13	N	01/30/12 09:00	25	25	2						
1201013-14	O	01/30/12 09:00	25	25	2						
1201013-15	L	01/30/12 09:00	25	25	2						
1201013-16	O	01/30/12 09:00	25	25	2						
1201013-17	O	01/30/12 09:00	25	25	2						
1201013-25	A	01/30/12 09:00	25	25	2						
1201013-26	A	01/30/12 09:00	25	25	2						
1201013-28	V	01/30/12 09:00	25	25	2						
1201013-29	M	01/31/12 09:00	25	25	2						
1201013-30	O	01/31/12 09:00	25	25	2						
1201013-31	L	01/31/12 09:00	25	25	2						
1201013-32	L	01/31/12 09:00	25	25	2						

VOC PURGE & TRAP PREPARATION BENCH SHEET

BB20301

U.S. EPA Region 3

bch_voc_purge.rpt

Project: DAS R33907
Work Order No: 1201013
Site Name: Dimock Residential Groundwater
Analysis: VOCs by CLP Equivalent (trace)
Matrix: Water

Printed: 2/3/2012 10:11:29AM

Prepared using: ORGANIC-GCMS - VOC Purge and Trap

Surrogate used: 1100782

LabNumber	Container ID	Prepared	Initial (mL)	Final (mL)	Surrogate (µL)	Source ID	Spike 1 ID	Spike 1 (µL)	Spike 2 ID	Spike 2 (µL)	Notes
1201013-33	L	01/31/12 09:00	25	25	2						
1201013-34	L	01/31/12 09:00	25	25	2						
1201013-35	L	01/31/12 09:00	25	25	2						
1201013-36	L	01/31/12 09:00	25	25	2						
1201013-45	B	01/31/12 09:00	25	25	2						
1201013-46	C	01/31/12 09:00	25	25	2						
1201013-47	A	01/31/12 09:00	25	25	2						
1201013-48	A	01/31/12 09:00	25	25	2						
BB20301-BLK1		01/27/12 09:00	25	25	2						
BB20301-BLK2		01/30/12 09:00	25	25	2						
BB20301-BLK3		01/31/12 09:00	25	25	2						
BB20301-BLK4		02/02/12 09:00	25	25	2						
BB20301-BS1		01/24/12 09:00	25	25	2		1200048	0.625			
BB20301-MS1		02/02/12 09:00	25	25	2	1201013-14	1200041	0.625	1200044	0.625	
BB20301-MS2		02/02/12 09:00	25	25	2	1201013-33	1200041	0.625	1200044	0.625	

Instrument Name: OBB-AG5975
Sequence File: D:\sequence\SCW Blank+BFB.S
Comment: DIMOCK
Operator: SCW OBB-AG5975
Data Path: D:\DATA\01242012\
Method Path: D:\METHODS\

WO 1201005
WS186
WO 1201013
Dimock

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS' 1100782				
3)	Blank	1	0124RIN1	ESC	Blank
4)	BFB	2	0124BFB	ESC	50ng BFB, 4uL to 100mL
5)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

nt Name: OBB-AG5975
ence File: D:\sequence\SCW BFB.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\01242012\
Method Path: D:\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS' 1100782				
3)	BFB	1	0124BFB2	ESC	50ng BFB, 4uL to 100mL
4)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

after BFB tune, switched to Filament 2, EM 1600

...t Name: OBB-AG5975
...nce File: D:\sequence\SCW BFB.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\01242012\
Method Path: D:\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS' 1100782				
3)	BFB	1	0124BFB3	ESC	50ng BFB, 4uL to 100mL
4)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

After BFB tune
on Filament 2.

Name: OBB-AG5975
ce File: D:\sequence\SCW BFB.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\01242012\
Method Path: D:\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS' 1100782				
3)	BFB	1	0124BFB4	ESC	25ng BFB, 2uL to 100mL
4)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

Ran 25ng BFB

Name: OBB-AG5975
File: D:\sequence\SCW BFB.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\01242012\
Method Path: D:\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS' 1100782				
3)	BFB	1	0124BFB5	ESC	25ng BFB, 2uL to 100mL
4)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

Reran 25ng BFB

Name: OBB-AG5975
File: D:\sequence\SCW initial call-20.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\01242012\
Method Path: D:\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS' 1100782, 1200041, 1200047, 1200044, 1200024				
3)	Sample	1	0124CHK	ESC	System Check, 0.5ppb STD, 0.25uL
4)	Calibration	2	0124C005	ESC	0.5ppb STD, 0.25uL to 100mL
5)	Calibration	3	0124C01	ESC	1ppb STD, 0.5uL to 100mL
6)	Calibration	4	0124C02	ESC	2ppb STD, 1uL to 100mL
7)	Calibration	5	0124C05	ESC	5ppb STD, 2.5uL to 100mL
8)	Calibration	6	0124C10	ESC	10ppb STD, 5uL to 100mL
9)	Calibration	7	0124C20	ESC	20ppb STD, 10uL to 100mL
10)	Blank	8	0124RIN4	ESC	Blank
11)	Blank	9	0124RIN5	ESC	Blank
12)	Blank	10	0124BLK	ESC	Blank-BLK
13)	Sample	11	0124LCS	ESC	Batch-BS1, 5 ppb, 2.5 uL/100 mL 1200048, 1200050
14)	Calibration	12	0124C50	ESC	50 ppb STD, 25 uL/100 mL
15)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

Instrument Name: OBB-AG5975
Sequence File: D:\sequence\SCW Blank+BFB.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 ACW
Data Path: D:\DATA\01272012\
Method Path: D:\METHODS\

W01201013

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS' 1100782				
3)	Blank	1	0127RIN1	ESC	Blank
4)	BFB	2	0127BFB	ESC	50ng BFB, 4uL to 100mL
5)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

Instrument Name: OBB-AG5975
Sequence File: D:\sequence\SCW trace continuing.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\01272012\
Method Path: D:\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS:' 1100782, 1200041, 1200047, 1200044, 1200021				
3)	COMMENT: 'INITIAL CALIBRATION: 1/24/12'				
4)	Sample	1	0127C05	ESC	5 ppb, 2.5uL to 100 mL
5)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

ment Name: OBB-AG5975
quence File: D:\sequence\SCW trace short extra samples.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\01272012\
Method Path: D:\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS:' 1100782				
3)	COMMENT: 'INITIAL CALIBRATION: 01/24/2012'				
4)	Blank	1	0127RIN2	ESC	Blank
5)	Blank	2	0127BLK	ESC	Batch-BLK
6)	Sample	3	0127LCS	ESC	Batch-BS1, 2 ppb acryl spike, 1
7)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG 1200050

ment Name: OBB-AG5975
uence File: D:\sequence\SCW trace extra samples.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\01272012\
Method Path: D:\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS:' 1100782				
3)	COMMENT: 'INITIAL CALIBRATION: 1/24/2012'				
4)	Blank	1	0127RIN3	ESC	Blank
5)	Sample	2	FB01;L		pH<2
	Datafile		120101301		
	Method		ESC		
6)	Sample	3	FB02; O		pH<2
	Datafile		120101307		
	Method		ESC		
7)	Sample	4	TB01;C		pH<2
	Datafile		120101311		
	Method		ESC		
8)	Sample	5	HW19;P		pH<2
	Datafile		120101303		
	Method		ESC		
9)	Sample	6	HW19P; O		pH<2
	Datafile		120101305		
	Method		ESC		
10)	Sample	7	HW04; M		pH<2
	Datafile		120101309		
	Method		ESC		
11)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

Instrument Name: OBB-AG5975
Sequence File: D:\sequence\SCW Blank+BFB.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\01302012\
Method Path: D:\METHODS\

WO 1201013

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS' 1100782				
3)	Blank	1	0130RIN1	ESC	Blank
4)	BFB	2	0130BFB	ESC	50ng BFB, 4uL to 100mL
5)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

Instrument Name: OBB-AG5975
Sequence File: D:\sequence\SCW trace continuing.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\01302012\
Method Path: D:\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS:' 1100782, 1200041, 1200047, 1200044, 120002				
3)	COMMENT: 'INITIAL CALIBRATION: 1/24/12'				
4)	Sample	1	0130C05	ESC	5 ppb, 2.5uL to 100 mL
5)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

Instrument Name: OBB-AG5975
Sequence File: D:\sequence\SCW trace short extra samples.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\01302012\
Method Path: D:\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS:' H000 SCW 2-2-12 1100782				
3)	COMMENT: 'INITIAL CALIBRATION: 01/24/2012'				
4)	Blank	1	0130RIN2	ESC	Blank
5)	Blank	2	0130BLK	ESC	Batch-BLK
6)	Sample	3	FW1	ESC	FIELD WATER 1
7)	Sample	4	FW2	ESC	FIELD WATER 2
8)	Sample	5	GV1	ESC	GLASS VIAL 1-ADDED WATER
9)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

ment Name: OBB-AG5975
Sequence File: D:\sequence\SCW trace extra samples.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\01302012\
Method Path: D:\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS:' 1100782				
3)	COMMENT: 'INITIAL CALIBRATION: 1/24/2012'				
4)	Sample	1	FB-03;N		
	Datafile		120101312		pH<2
	Method		ESC		
5)	Sample	2	TB-02; A		
	Datafile		120101325		pH<2
	Method		ESC		
6)	Sample	3	TB-03; A		
	Datafile		120101326		pH<2
	Method		ESC		
7)	Sample	4	HW02; N		
	Datafile		120101313		pH<2
	Method		ESC		
8)	Sample	5	HW02Z; O		
	Datafile		120101314		pH<2
	Method		ESC		
9)	Sample	6	HW01; L		
	Datafile		120101315		pH<2
	Method		ESC		
10)	Sample	7	HW05; O		
	Datafile		120101316		pH<2
	Method		ESC		
11)	Sample	8	HW06; O		
	Datafile		120101317		pH<2
	Method		ESC		
12)	Sample	9	HW08A; V		
	Datafile		120101328		pH<2
	Method		ESC		
13)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

Instrument Name: OBB-AG5975
Sequence File: D:\sequence\SCW Blank+BFB.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\01312012\
Method Path: D:\METHODS\

W01201013

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS' 1100782				
3)	Blank	1	0131RIN1	ESC	Blank
4)	BFB	2	0131BFB	ESC	50ng BFB, 4uL to 100mL
5)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

Instrument Name: OBB-AG5975
Sequence File: D:\sequence\SCW trace continuing.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\01312012\
Method Path: D:\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS:' 1100782, 1200041, 1200047, 1200044, 1200028				
3)	COMMENT: 'INITIAL CALIBRATION: 1/24/12'				
4)	Sample	1	0131C05	ESC	5 ppb, 2.5uL to 100 mL
5)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

ument Name: OBB-AG5975
equence File: D:\sequence\SCW trace short extra samples.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\01312012\
Method Path: D:\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS:' 1100782				
3)	COMMENT: 'INITIAL CALIBRATION: 01/24/2012'				
4)	Blank	1	0131RIN2	ESC	Blank
5)	Blank	2	0131BLK	ESC	Batch-BLK
6)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

ument Name: OBB-AG5975
quence File: D:\sequence\SCW trace extra samples.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\01312012\
Method Path: D:\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS:' 1100782				
3)	COMMENT: 'INITIAL CALIBRATION: 1/24/2012'				
4)	Sample	1	HW08A;U		pH<2
	Datafile		120101328		
	Method		ESC		
5)	Sample	2	FB04; M		pH<2
	Datafile		120101329		
	Method		ESC		
6)	Sample	3	FB-05; O		pH<2
	Datafile		120101330		
	Method		ESC		
7)	Sample	4	TB07; C		pH<2
	Datafile		120101346		
	Method		ESC		
8)	Sample	5	TB05; B		pH<2
	Datafile		120101345		
	Method		ESC		
9)	Sample	6	TB04; A		pH<2
	Datafile		120101348		
	Method		ESC		
10)	Sample	7	TB06; A		pH<2
	Datafile		120101347		
	Method		ESC		
11)	Sample	8	HW24; L		pH<2
	Datafile		120101331		
	Method		ESC		
12)	Sample	9	HW24P; L		pH<2
	Datafile		120101332		
	Method		ESC		
13)	Sample	10	HW12; L		pH<2
	Datafile		120101333		
	Method		ESC		
14)	Sample	11	HW17; L		pH<2
	Datafile		120101334		
	Method		ESC		
15)	Sample	12	HW14; L		pH<2
	Datafile		120101335		
	Method		ESC		

Sample 13 HW14P; L
Datafile 120101336
Method ESC

PH<2

17) COMMAND: 'PRINTSEQLOG'
Executing Command: PRINTSEQLOG

Instrument Name: OBB-AG5975
Sequence File: D:\sequence\SCW Blank+BFB.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\02022012\
Method Path: D:\METHODS\

WO 1201013

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS' 1100782				
3)	Blank	1	0202RIN1	ESC	Blank
4)	BFB	2	0202BFB	ESC	50ng BFB, 4uL to 100mL
5)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

Instrument Name: OBB-AG5975
Sequence File: D:\sequence\SCW trace continuing.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\02022012\
Method Path: D:\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS:' 1100782, 1200041, 1200047, 1200044, 1200028				
3)	COMMENT: 'INITIAL CALIBRATION: 1/24/12'				
4)	Sample	1	0202C05	ESC	5 ppb, 2.5uL to 100 mL
5)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

ment Name: OBB-AG5975
uence File: D:\sequence\SCW blanks and trace extra samples.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\02022012\
Method Path: D:\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS:' 1100782				
3)	COMMENT: 'INITIAL CALIBRATION: 1/24/2012'				
4)	Blank	1	0202RIN2	ESC	BLANK
5)	Blank	2	0202BLK	ESC	BATCH-BLK
6)	Spike	3	0202LCS	ESC	BATCH-BS1, 5 PPB ACRYLONITRILE, 2.5 uL/100mL; 1200050
7)	Spike	*4	MS14	ESC	BATCH-MS1, 1201013-14, 5 PPB, 2.5 uL/100mL; M,N,L, pH<2
8)	Spike	*5	MS33	ESC	BATCH-MS2, 1201013-33, 5 PPB, 2.5 uL/100mL; O,N,M, pH<2
9)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

MS spike stds were 1200041, 1200047, 1200044, 120002

nt Name: OBB-AG5975
uence File: D:\sequence\SCW trace short extra samples.S
Comment: DIMOCK
Operator: SCW OBB-AG5975 SCW
Data Path: D:\DATA\02022012\
Method Path: D:\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	COMMENT: 'SAMPLE PURGED: 25 ML; IS/SS 4 PPB'				
2)	COMMENT: 'STANDARDS:' 1100782, 1200047				
3)	COMMENT: 'INITIAL CALIBRATION: 01/24/2012'				
4)	Spike	1	BS2	ESC	BATCH-BS2; 5 PPB ACRYL; 2.5 UL/1
5)	Spike	2	BS3	ESC	BATCH-BS3; 5 PPB ACRYL; 2.5 UL/1
6)	COMMAND: 'PRINTSEQLOG'				

Executing Command: PRINTSEQLOG

Analytical Standard Record
U.S. EPA Region 3
1100782

std_Org_analytical.rpt

Description:	SCW IS/SS 12-5-2011	Expires:	03/05/2012
Standard Type:	Surrogate Spike	Prepared:	12/05/2011
Department:	ORGANIC-GCMS	Prepared By:	Sue Warner
Solvent:	Methanol Lot # 12717	Vendor:	NA
Final Volume (mls):	10	Vendor Lot:	NA
Vials:	1		
Reagent Purity Checked	SCW		

Store at room temperature.

For 5975

Analyte	CAS Number	Concentration	Units
1,2-Dichloroethane-d4	10706-07-0	50	ug/mL
1,4-Dichlorobenzene-d4	3855-82-1	50	ug/mL
1,4-Difluorobenzene	540-36-3	50	ug/mL
4-Bromofluorobenzene	460-00-4	50	ug/mL
Chlorobenzene-d5	3114-55-4	50	ug/mL
Toluene-d8	2037-26-5	50	ug/mL

ent Standards used in this standard

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1100780	SCW Internal Stds 12-5-2011	12/05/2011	03/05/2012	Sue Warner	Supelco	LB69960	2000	0.25
1100781	SCW Surrogates 12-5-2011	12/05/2011	03/05/2012	Sue Warner	AccuStandard	209061243	2500	0.2

Analytical Standard Record
U.S. EPA Region 3
1100781

std_Org_analytical.rpt

Description:	SCW Surrogates 12-5-2011	Expires:	03/05/2012
Standard Type:	Other	Prepared:	12/05/2011
Department:	ORGANIC-GCMS	Prepared By:	Sue Warner
Solvent:	NA	Vendor:	AccuStandard
Final Volume (mls):	1	Vendor Lot:	209061243
Vials:	1	Received:	04/04/2011
Reagent Purity Checked	SCW	Mfgr Expiration:	06/24/2019

Storage: Room temperature
Received 4/4/2011; Mfgr expiration date 6/24/2019

Analyte	CAS Number	Concentration	Units
1,2-Dichloroethane-d4	10706-07-0	2500	ug/mL
4-Bromofluorobenzene	460-00-4	2500	ug/mL
Toluene-d8	2037-26-5	2500	ug/mL

AccuStandard® 125 Market St. · New Haven, CT 06513 · USA Tel. 203-786-5290 · www.accustandard.com
FOR LABORATORY USE ONLY
CLP-PS-10X 1 mL
Purgeable Surrogate Standard
2.5 Mg/ml In Meoh
Lot: 209061243 Rec'd 4-9-11 3 comps.
Exp: Jun,24,2019 FLAMMABLE
STORAGE Ambient

Analytical Standard Record
U.S. EPA Region 3
1100780

std_Org_analytical.rpt

Description:	SCW Internal Stds 12-5-2011	Expires:	03/05/2012
Standard Type:	Other	Prepared:	12/05/2011
Department:	ORGANIC-GCMS	Prepared By:	Sue Warner
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB69960
Vials:	1	Received:	02/24/2011
Reagent Purity Checked	SCW	Mfgr Expiration:	09/30/2012

Storage: Room temperature
Received 2/24/2011; Mfgr expiration date 09/2012

Analyte	CAS Number	Concentration	Units
1,4-Dichlorobenzene-d4	3855-82-1	2000	ug/mL
1,4-Difluorobenzene	540-36-3	2000	ug/mL
Chlorobenzene-d5	3114-55-4	2000	ug/mL

NOTEBOOK INSERT LABEL

CLP VOA Internal Standard Spiking Solution
Lot: LB69960 EXP: SEP/2012 STORAGE: ROOM TEMP. 47568-U 1 x 1ml
DATE RECEIVED: 2-24-11

SUPELCO Analytical
595 North Harrison Road • Bellefonte, PA 16823-0048 USA • Phone 814-359-3441

Analytical Standard Record
U.S. EPA Region 3
1200028

std_Org_analytical.rpt

Description:	SCW 2-CEVE 1-10-2012	Expires:	04/10/2012
Standard Type:	Analyte Spike	Prepared:	01/10/2012
Department:	ORGANIC-GCMS	Prepared By:	Sue Warner
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB84071
Vials:	1	Received:	09/20/2011
Reagent Purity Checked	SCW	Mfgr Expiration:	04/30/2014

Received: 9/20/2011; Manufacturers expiration date: 4/2014
Storage: Refrigerator (before opening); Freezer (after opening)

Analyte	CAS Number	Concentration	Units
2-Chloroethylvinyl ether	110-75-8	200	ug/mL

NOTEBOOK INSERT LABEL

2-Chloroethyl vinyl ether 4-8672
Lot: LB84071 EXP: APR/2014 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 9-20-11

SUPELCO Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

Analytical Standard Record
U.S. EPA Region 3
1200050

std_Org_analytical.rpt

Description:	PSZ Acrylonitrile/Acrolein Secondary 01-23-2012	Expires:	02/23/2012
Standard Type:	Analyte Spike	Prepared:	01/23/2012
Department:	ORGANIC-GCMS	Prepared By:	Peggy Zawodny
Solvent:	Methanol Lot # 12723	Vendor:	NA
Final Volume (mls):	1	Vendor Lot:	NA
Vials:	1		
Reagent Purity Checked	PZ		

Storage: Freezer

Analyte	CAS Number	Concentration	Units
Acrolein	107-02-8	200	ug/mL
Acrylonitrile	107-13-1	200	ug/mL

Parent Standards used in this standard

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1200049	PSZ Acrylonitrile/Acrolein 01-23-2012	01/23/2012	04/23/2012	Peggy Zawodny	AccuStandard	211081290	5000	0.04

Analytical Standard Record
U.S. EPA Region 3
1200049

std_Org_analytical.rpt

Description:	PSZ Acrylonitrile/Acrolein 01-23-2012	Expires:	04/23/2012
Standard Type:	Other	Prepared:	01/23/2012
Department:	ORGANIC-GCMS	Prepared By:	Peggy Zawodny
Solvent:	NA	Vendor:	AccuStandard
Final Volume (mls):	1	Vendor Lot:	211081290
Vials:	1	Received:	09/27/2011
Reagent Purity Checked	PSS	Mfgr Expiration:	02/26/2012

Storage: Freezer

Analyte	CAS Number	Concentration	Units
Acrolein	107-02-8	5000	ug/mL
Acrylonitrile	107-13-1	5000	ug/mL

AccuStandard® 125 Market St. · New Haven, CT 06513 · USA Tel. 203-786-5290 · www.accustandard.com

M-603-M-5X 1 mL

Rec'd 9.27.2011

Acrolein & Acrylonitrile

5.0 mg/mL in MeOH:Water 90:10

Lot: 211081290 2 comps.

Exp: Feb 26,2012 HIGHLY FLAMMABLE

FOR LABORATORY USE ONLY

WARNING: This product contains a chemical(s) known to the State of California to cause cancer.

STORAGE Freeze (<-10° C)

Analytical Standard Record
U.S. EPA Region 3
1200041

std_Org_analytical.rpt

Description:	PSZ M502A Target Mix 1-23-2012	Expires:	02/23/2012
Standard Type:	Analyte Spike	Prepared:	01/23/2012
Department:	ORGANIC-GCMS	Prepared By:	Peggy Zawodny
Solvent:	NA	Vendor:	AccuStandard
Final Volume (mls):	1	Vendor Lot:	210081381
Vials:	1	Received:	09/16/2011
Reagent Purity Checked	95%	Mfgr Expiration:	09/10/2013

Storage: Freezer

Analyte	CAS Number	Concentration	Units
1,1,1,2-Tetrachloroethane	630-20-6	200	ug/mL
1,1,1-Trichloroethane	71-55-6	200	ug/mL
1,1,2,2-Tetrachloroethane	79-34-5	200	ug/mL
1,1,2-Trichloroethane	79-00-5	200	ug/mL
1,1-Dichloroethane	75-34-3	200	ug/mL
1,1-Dichloroethene	75-35-4	200	ug/mL
1,1-Dichloropropene	563-58-6	200	ug/mL
1,2,3-Trichlorobenzene	87-61-6	200	ug/mL
1,2,3-Trichloropropane	96-18-4	200	ug/mL
1,2,4-Trichlorobenzene	120-82-1	200	ug/mL
1,2,4-Trimethylbenzene	95-63-6	200	ug/mL
1,2-Dibromo-3-chloropropane	96-12-8	200	ug/mL
1,2-Dibromoethane (EDB)	106-93-4	200	ug/mL
1,2-Dichlorobenzene	95-50-1	200	ug/mL
1,2-Dichloroethane	107-06-2	200	ug/mL
1,2-Dichloropropane	78-87-5	200	ug/mL
1,3,5-Trimethylbenzene	108-67-8	200	ug/mL
1,3-Dichlorobenzene	541-73-1	200	ug/mL
1,3-Dichloropropane	142-28-9	200	ug/mL
1,4-Dichlorobenzene	106-46-7	200	ug/mL
2,2-Dichloropropane	590-20-7	200	ug/mL
2-Chlorotoluene	95-49-8	200	ug/mL
4-Chlorotoluene	106-43-4	200	ug/mL
Benzene	71-43-2	200	ug/mL
Bromobenzene	108-86-1	200	ug/mL
Bromochloromethane	74-97-5	200	ug/mL
Bromodichloromethane	75-27-4	200	ug/mL
Bromoform	75-25-2	200	ug/mL
Carbon Tetrachloride	56-23-5	200	ug/mL
Chlorobenzene	108-90-7	200	ug/mL

Analytical Standard Record
U.S. EPA Region 3
1200041

std_Org_analytical.rpt

Chlorodibromomethane	124-48-1	200	ug/mL
Chloroform	67-66-3	200	ug/mL
cis-1,2-Dichloroethene	156-59-4	200	ug/mL
cis-1,3-Dichloropropene	10061-01-5	210	ug/mL
Dibromomethane	74-95-3	200	ug/mL
Ethylbenzene	100-41-4	200	ug/mL
Hexachlorobutadiene	87-68-3	200	ug/mL
Isopropylbenzene	98-82-8	200	ug/mL
Methylene Chloride	75-09-2	200	ug/mL
m-Xylene/p-Xylene		400	ug/mL
Naphthalene	91-20-3	200	ug/mL
n-Butylbenzene	104-51-8	200	ug/mL
n-Propylbenzene	103-65-1	200	ug/mL
o-Xylene	95-47-6	200	ug/mL
p-Isopropyltoluene	99-87-6	200	ug/mL
sec-Butylbenzene	135-98-8	200	ug/mL
Styrene	100-42-5	200	ug/mL
tert-Butylbenzene	98-06-6	200	ug/mL
Tetrachloroethene	127-18-4	200	ug/mL
Toluene	108-88-3	200	ug/mL
trans-1,2-Dichloroethene	156-60-5	200	ug/mL
trans-1,3-Dichloropropene	10061-02-6	190	ug/mL
Trichloroethene	79-01-6	200	ug/mL

AccuStandard® 125 Market St. • New Haven, CT 06513 • USA Tel. 203-786-5290 • www.accustandard.com

M-502A-R rec'd 9-16-2011 1 mL

Volatile Organic Compounds - Liquids

0.2 mg/mL in MeOH

Lot: 210081381 54 comps.

Exp: Sep 10,2013 HIGHLY FLAMMABLE

FOR LABORATORY USE ONLY

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

STORAGE Refrig (0-5° C)

Analytical Standard Record
U.S. EPA Region 3
1200048

std_Org_analytical.rpt

Description:	PSZ R-V MegaMix w/gases 01-23-2012	Expires:	02/23/2012
Standard Type:	Analyte Spike	Prepared:	01/23/2012
Department:	ORGANIC-GCMS	Prepared By:	Peggy Zawodny
Solvent:	NA	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A076516
Vials:	1	Received:	01/13/2011
Reagent Purity Checked	PS3	Mfgr Expiration:	08/31/2015

Storage: Freezer

Analyte	CAS Number	Concentration	Units
1,1,1,2-Tetrachloroethane	630-20-6	200	ug/mL
1,1,1-Trichloroethane	71-55-6	200	ug/mL
1,1,2,2-Tetrachloroethane	79-34-5	200	ug/mL
1,1,2-Trichloroethane	79-00-5	200	ug/mL
1,1-Dichloroethane	75-34-3	200	ug/mL
1,1-Dichloroethene	75-35-4	200	ug/mL
1,1-Dichloropropene	563-58-6	200	ug/mL
1,2,3-Trichlorobenzene	87-61-6	200	ug/mL
1,2,3-Trichloropropane	96-18-4	200	ug/mL
1,2,4-Trichlorobenzene	120-82-1	200	ug/mL
1,2,4-Trimethylbenzene	95-63-6	200	ug/mL
1,2-Dibromo-3-chloropropane	96-12-8	200	ug/mL
1,2-Dibromoethane (EDB)	106-93-4	200	ug/mL
1,2-Dichlorobenzene	95-50-1	200	ug/mL
1,2-Dichloroethane	107-06-2	200	ug/mL
1,2-Dichloropropane	78-87-5	200	ug/mL
1,3,5-Trimethylbenzene	108-67-8	200	ug/mL
1,3-Dichlorobenzene	541-73-1	200	ug/mL
1,3-Dichloropropane	142-28-9	200	ug/mL
1,4-Dichlorobenzene	106-46-7	200	ug/mL
2,2-Dichloropropane	590-20-7	200	ug/mL
2-Chlorotoluene	95-49-8	200	ug/mL
4-Chlorotoluene	106-43-4	200	ug/mL
Benzene	71-43-2	200	ug/mL
Bromobenzene	108-86-1	200	ug/mL
Bromochloromethane	74-97-5	200	ug/mL
Bromodichloromethane	75-27-4	200	ug/mL
Bromoform	75-25-2	200	ug/mL
Bromomethane	74-83-9	200	ug/mL
Carbon Tetrachloride	56-23-5	200	ug/mL

Analytical Standard Record
U.S. EPA Region 3
1200048

std_Org_analytical.rpt

Chlorobenzene	108-90-7	200	ug/mL
Chlorodibromomethane	124-48-1	200	ug/mL
Chloroethane	75-00-3	200	ug/mL
Chloroform	67-66-3	200	ug/mL
Chloromethane	74-87-3	200	ug/mL
cis-1,2-Dichloroethene	156-59-4	200	ug/mL
cis-1,3-Dichloropropene	10061-01-5	200	ug/mL
Dibromomethane	74-95-3	200	ug/mL
Dichlorodifluoromethane	75-71-8	200	ug/mL
Ethylbenzene	100-41-4	200	ug/mL
Hexachlorobutadiene	87-68-3	200	ug/mL
Isopropylbenzene	98-82-8	200	ug/mL
Methylene Chloride	75-09-2	200	ug/mL
m-Xylene/p-Xylene		400	ug/mL
Naphthalene	91-20-3	200	ug/mL
n-Butylbenzene	104-51-8	200	ug/mL
n-Propylbenzene	103-65-1	200	ug/mL
o-Xylene	95-47-6	200	ug/mL
p-Isopropyltoluene	99-87-6	200	ug/mL
sec-Butylbenzene	135-98-8	200	ug/mL
Styrene	100-42-5	200	ug/mL
tert-Butylbenzene	98-06-6	200	ug/mL
Tetrachloroethene	127-18-4	200	ug/mL
Toluene	108-88-3	200	ug/mL
trans-1,2-Dichloroethene	156-60-5	200	ug/mL
trans-1,3-Dichloropropene	10061-02-6	200	ug/mL
Trichloroethene	79-01-6	200	ug/mL
Trichlorofluoromethane	75-69-4	200	ug/mL
Vinyl chloride	75-01-4	200	ug/mL

RESTEK Made in USA

Cat# 30603 Rec'd 1.13-2011

Volatiles MegaMix™ with Gases
200 ug/mL each in P&T Methanol
Lot# AD76516 Exp. Date: 08/2016 Store: Freezer
Restek Corporation - 110 Benner Circle - Bellefonte, PA 16823

Analytical Standard Record
U.S. EPA Region 3
1200047

std_Org_analytical.rpt

Description:	PSZ Custom Mix+Acrylonitrile 01-23-2012	Expires:	04/23/2012
Standard Type:	Analyte Spike	Prepared:	01/23/2012
Department:	ORGANIC-GCMS	Prepared By:	Peggy Zawodny
Solvent:	Methanol Lot # 12723	Vendor:	NA
Final Volume (mls):	1	Vendor Lot:	NA
Vials:	1		
Reagent Purity Checked	BSZ		

Storage: Freezer

Analyte	CAS Number	Concentration	Units
Acrylonitrile	107-13-1	200	ug/mL
Cyclohexane	110-82-7	200	ug/mL
Freon 113	76-13-1	200	ug/mL
Methyl Acetate	76-20-9	200	ug/mL
Methylcyclohexane	108-87-2	200	ug/mL
Methyl-tert-butyl ether	1634-04-4	200	ug/mL

Parent Standards used in this standard

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1200045	PSZ R-Custom Mix 01-23-2012	01/23/2012	04/23/2012	Peggy Zawodny	Restek	A080012	2000	0.1
1200046	PSZ Acrylonitrile 01-23-2012	01/23/2012	04/23/2012	Peggy Zawodny	Supelco	LB81909	5000	0.04

Analytical Standard Record
U.S. EPA Region 3
1200045

std_Org_analytical.rpt

Description:	PSZ R-Custom Mix 01-23-2012	Expires:	04/23/2012
Standard Type:	Other	Prepared:	01/23/2012
Department:	ORGANIC-GCMS	Prepared By:	Peggy Zawodny
Solvent:	NA	Vendor:	Restek
Final Volume (mls):	1	Vendor Lot:	A080012
Vials:	1	Received:	02/28/2011
Reagent Purity Checked	PSZ	Mfgr Expiration:	08/31/2012

Storage: Freezer

Analyte	CAS Number	Concentration	Units
Cyclohexane	110-82-7	2000	ug/mL
Freon 113	76-13-1	2000	ug/mL
Methyl Acetate	76-20-9	2000	ug/mL
Methylcyclohexane	108-87-2	2000	ug/mL
Methyl-tert-butyl ether	1634-04-4	2000	ug/mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823
Made in USA
Catalog # 57670
rec'd 2-28-2011
Custom Volatiles Standard
2000 ug/mL each in P&T Methanol
Lot# A080012 Exp. Date: 08/2012 Store: 0°C or colder

Analytical Standard Record
U.S. EPA Region 3
1200046

std_Org_analytical.rpt

Description:	PSZ Acrylonitrile 01-23-2012	Expires:	04/23/2012
Standard Type:	Other	Prepared:	01/23/2012
Department:	ORGANIC-GCMS	Prepared By:	Peggy Zawodny
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB81909
Vials:	1	Received:	01/18/2012
Reagent Purity Checked	PSZ	Mfgr Expiration:	01/31/2014

Storage: Freezer

Analyte	CAS Number	Concentration	Units
Acrylonitrile	107-13-1	5000	ug/mL

NOTEBOOK INSERT LABEL

Acrylonitrile 4-0003
Lot: LB81909 EXP: JAN/2014 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 1-18-2012

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Analytical Standard Record
U.S. EPA Region 3
1200044

std_Org_analytical.rpt

Description:	PSZ Gases+HSL 01-23-2012	Expires:	02/06/2012
Standard Type:	Analyte Spike	Prepared:	01/23/2012
Department:	ORGANIC-GCMS	Prepared By:	Peggy Zawodny
Solvent:	Methanol Lot # 12723	Vendor:	NA
Final Volume (mls):	1	Vendor Lot:	NA
Vials:	1		
Reagent Purity Checked	PSZ		

Storage: Freezer

Analyte	CAS Number	Concentration	Units
2-Butanone	78-93-3	200	ug/mL
2-Hexanone	591-78-6	200	ug/mL
4-Methyl-2-pentanone	108-10-1	200	ug/mL
Acetone	67-64-1	200	ug/mL
Bromomethane	74-83-9	200	ug/mL
Carbon disulfide	75-15-0	200	ug/mL
Chloroethane	75-00-3	200	ug/mL
Chloromethane	74-87-3	200	ug/mL
Dichlorodifluoromethane	75-71-8	200	ug/mL
o-Xylene	95-47-6	200	ug/mL
Styrene	100-42-5	200	ug/mL
Trichlorofluoromethane	75-69-4	200	ug/mL
Vinyl acetate	108-05-4	200	ug/mL
Vinyl chloride	75-01-4	200	ug/mL

Parent Standards used in this standard

Standard	Description	Prepared	Expires	Prepared By	Vendor	Vendor Lot	Conc.	(mls)
1200042	PSZ VOC#6 01-23-2012	01/23/2012	04/23/2012	Peggy Zawodny	Supelco	LB86759	2000	0.1
1200043	PSZ M-HSL 01-23-2012	01/23/2012	04/23/2012	Peggy Zawodny	AccuStandard	211121191	2000	0.1

Analytical Standard Record
U.S. EPA Region 3
1200042

std_Org_analytical.rpt

Description:	PSZ VOC#6 01-23-2012	Expires:	04/23/2012
Standard Type:	Other	Prepared:	01/23/2012
Department:	ORGANIC-GCMS	Prepared By:	Peggy Zawodny
Solvent:	NA	Vendor:	Supelco
Final Volume (mls):	1	Vendor Lot:	LB86759
Vials:	1	Received:	12/28/2011
Reagent Purity Checked	BSJ	Mfgr Expiration:	11/30/2012

Storage: Refrigerate upon receipt; after opening: Freezer

Analyte	CAS Number	Concentration	Units
Bromomethane	74-83-9	2000	ug/mL
Chloroethane	75-00-3	2000	ug/mL
Chloromethane	74-87-3	2000	ug/mL
Dichlorodifluoromethane	75-71-8	2000	ug/mL
Trichlorofluoromethane	75-69-4	2000	ug/mL
Vinyl chloride	75-01-4	2000	ug/mL

NOTEBOOK INSERT LABEL

Volatile Organic Compounds Mix 6 **48799-U**

Lot: LB86759 EXP: NOV/2012 STORAGE: REFRIGERATE 1 x 1.5ml

DATE RECEIVED: 12-28-2011

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16823-0048 USA • Phone 814-359-3441

Analytical Standard Record
U.S. EPA Region 3
1200043

std_Org_analytical.rpt

Description:	PSZ M-HSL 01-23-2012	Expires:	04/23/2012
Standard Type:	Other	Prepared:	01/23/2012
Department:	ORGANIC-GCMS	Prepared By:	Peggy Zawodny
Solvent:	NA	Vendor:	AccuStandard
Final Volume (mls):	1	Vendor Lot:	211121191
Vials:	1	Received:	12/22/2011
Reagent Purity Checked	PS3	Mfgr Expiration:	06/21/2012

Storage: Freezer

Analyte	CAS Number	Concentration	Units
2-Butanone	78-93-3	2000	ug/mL
2-Hexanone	591-78-6	2000	ug/mL
4-Methyl-2-pentanone	108-10-1	2000	ug/mL
Acetone	67-64-1	2000	ug/mL
Carbon disulfide	75-15-0	2000	ug/mL
o-Xylene	95-47-6	2000	ug/mL
Styrene	100-42-5	2000	ug/mL
Vinyl acetate	108-05-4	2000	ug/mL

211121191

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M-HSL 1 mL

Hazardous Substance List Compounds

2.0 mg/mL in MeOH Rec'd 12-22-2011

Lot: 211121191 8 comps.

Exp: Jun 21,2012 HIGHLY FLAMMABLE

FOR LABORATORY USE ONLY

WARNING: This product contains a chemical(s) known to the State of California to cause birth defects or other reproductive harm.

STORAGE Freeze (<-10° C)

Blank contamination COOLER 37
STUDY.

AS Requested for comparison w/ FB01, FB02
DI WATER #115718
unpreserved 40 mL L# 0134701W
HCL #50267 in unpresv. L# 0134701W

included 2 unpreserved 40mL w/ DI NF H_2
1 empty preserved 40mL (HCL)

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : GV1.D
Acq On : 30 Jan 2012 2:27 pm
Operator : SCW OBB-AG5975
Sample : GLASS VIAL 1-ADDED WATER
Misc :
ALS Vial : 5 Sample Multiplier: 1

Not in acid.

glass vial + acid

Quant Time: Jan 30 14:49:33 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

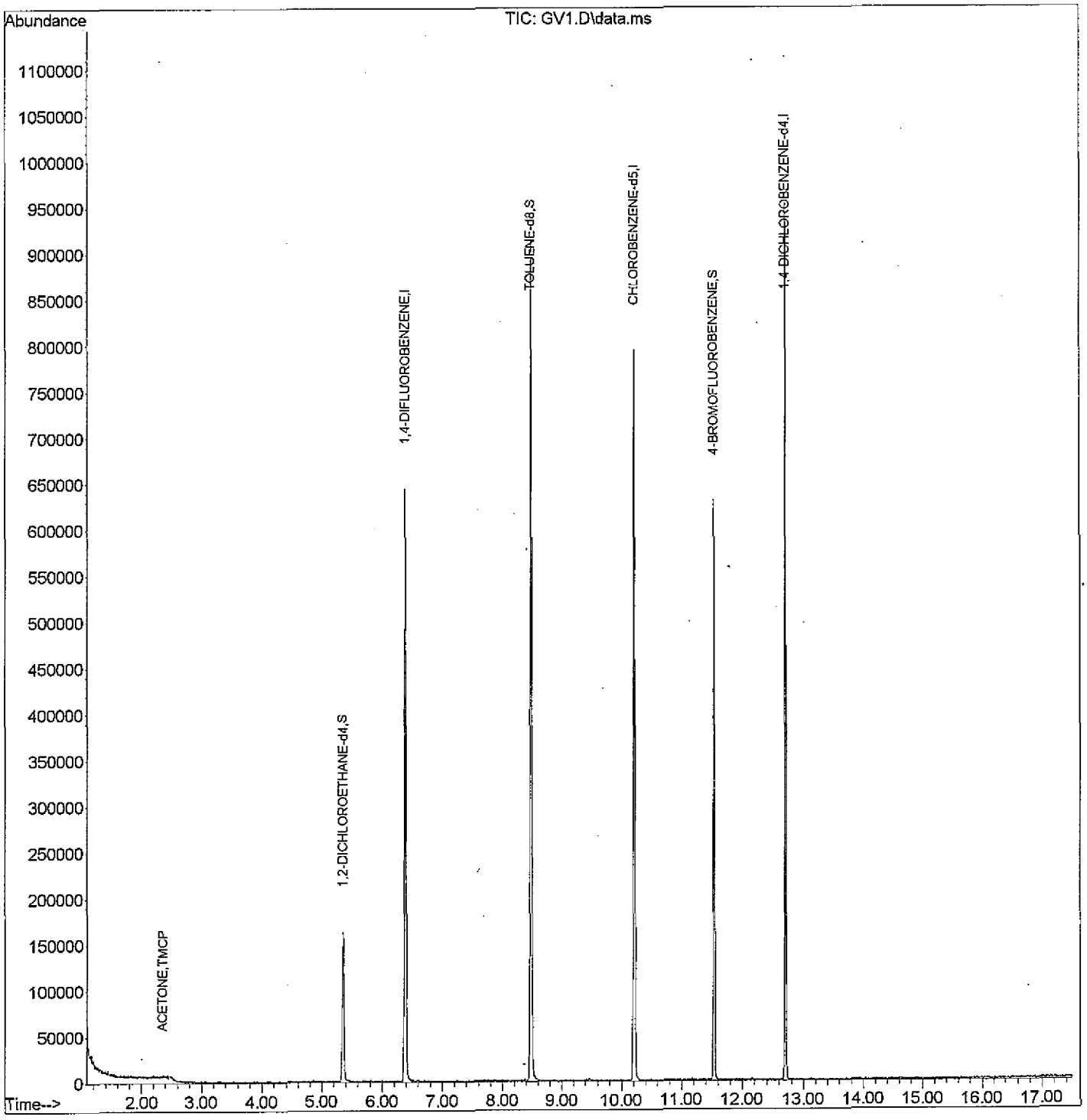
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	479671	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.203	117	425155	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	178571	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	108760	4.24 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 106.00%	
42) TOLUENE-d8	8.475	98	578328	3.78 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 94.50%	
60) 4-BROMOFLUOROBENZENE	11.530	95	161544	3.76 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 94.00%	
Target Compounds					Qvalue
8) ACETONE	2.358	43	4796	1.17 ug/L #	47

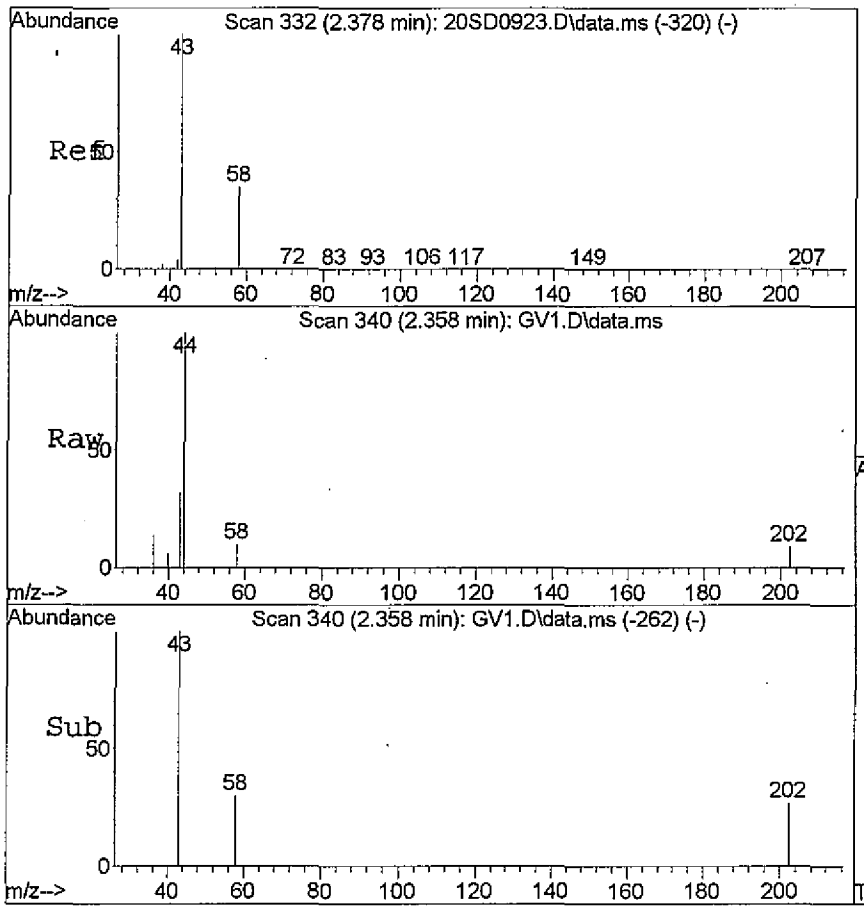
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : GV1.D
Acq On : 30 Jan 2012 2:27 pm
Operator : SCW OBB-AG5975
Sample : GLASS VIAL 1-ADDED WATER
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 30 14:49:33 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

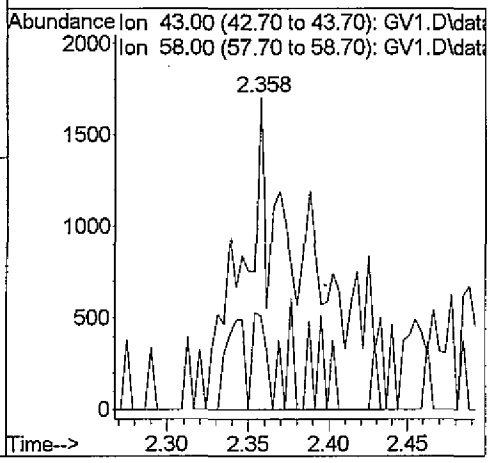




#8
ACETONE
Concen: 1.17 ug/L
RT: 2.358 min Scan# 340
Delta R.T. -0.008 min
Lab File: GV1.D
Acq: 30 Jan 2012 2:27 pm

Tgt Ion: 43 Resp: 4796

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#



LSC Area Percent Report

Data Path : D:\data\01302012\
Data File : GV1.D
Acq On : 30 Jan 2012 2:27 pm
Operator : SCW OBB-AG5975
Sample : GLASS VIAL 1-ADDED WATER
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: GV1.D\

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.345	1126	1137	1153	rBV2	163823	319103	20.34%	5.078%
2	6.380	1398	1413	1429	rBV	644163	1119249	71.36%	17.813%
3	8.472	1958	1971	1988	rBV	911792	1568506	100.00%	24.962%
4	10.200	2421	2432	2455	rBV2	794721	1322501	84.32%	21.047%
5	11.530	2778	2787	2802	rBV	630138	812638	51.81%	12.933%
6	12.700	3090	3099	3113	rVB	952595	1141490	72.78%	18.167%

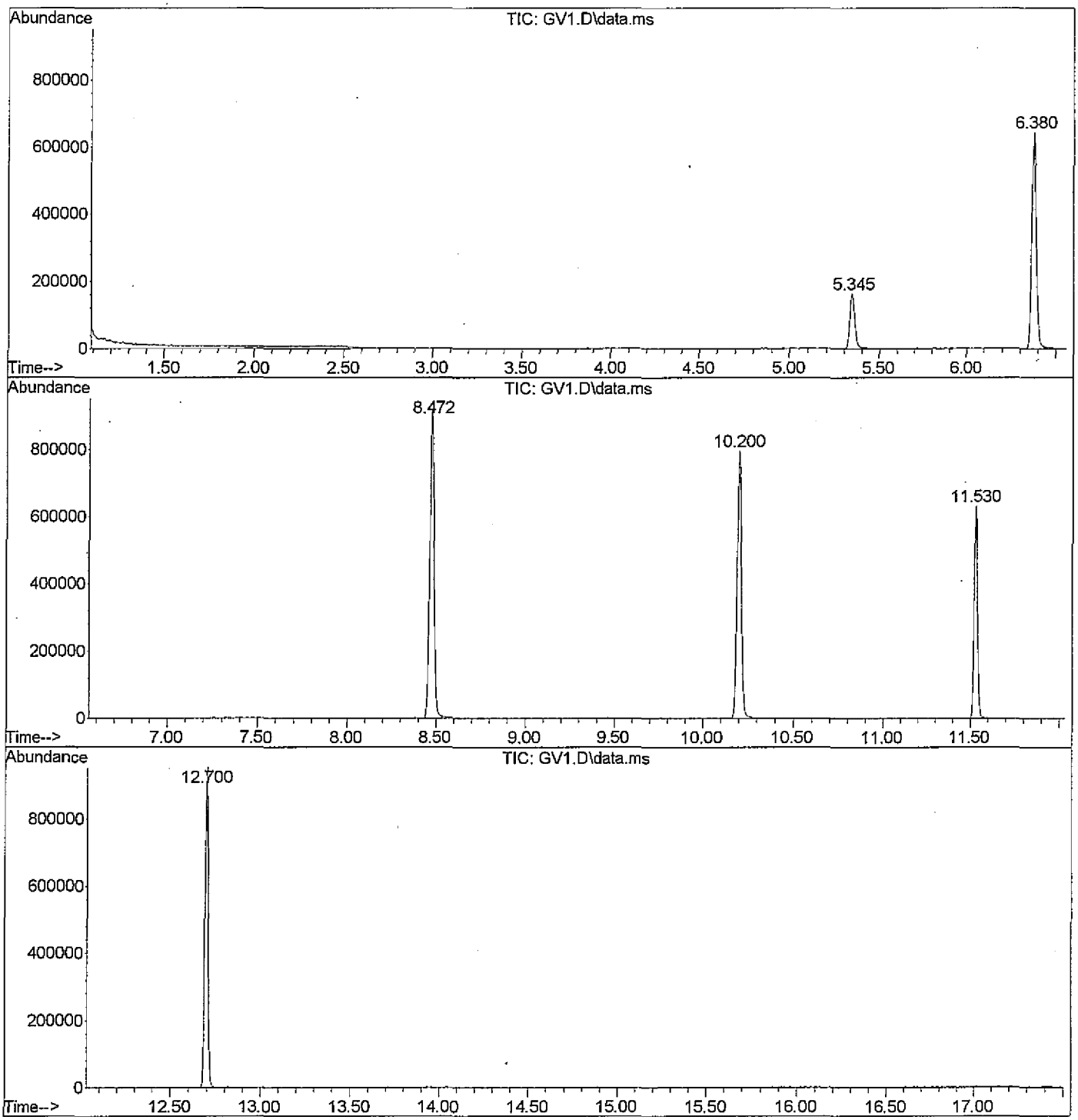
Sum of corrected areas: 6283487

LSC Report - Integrated Chromatogram

Data Path : D:\data\01302012\
Data File : GV1.D
Acq On : 30 Jan 2012 2:27 pm
Operator : SCW OBB-AG5975
Sample : GLASS VIAL 1-ADDED WATER
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01302012\
Data File : GV1.D
Acq On : 30 Jan 2012 2:27 pm
Operator : SCW OBB-AG5975
Sample : GLASS VIAL 1-ADDED WATER
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01302012\
Data File : GV1.D
Acq On : 30 Jan 2012 2:27 pm
Operator : SCW OBB-AG5975
Sample : GLASS VIAL 1-ADDED WATER
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

DIM0218843 DIM0219199

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : FW1.D
Acq On : 30 Jan 2012 1:32 pm
Operator : SCW OBB-AG5975
Sample : FIELD WATER 1
Misc :
ALS Vial : 3 Sample Multiplier: 1

It's in the water!

Quant Time: Jan 30 14:02:43 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

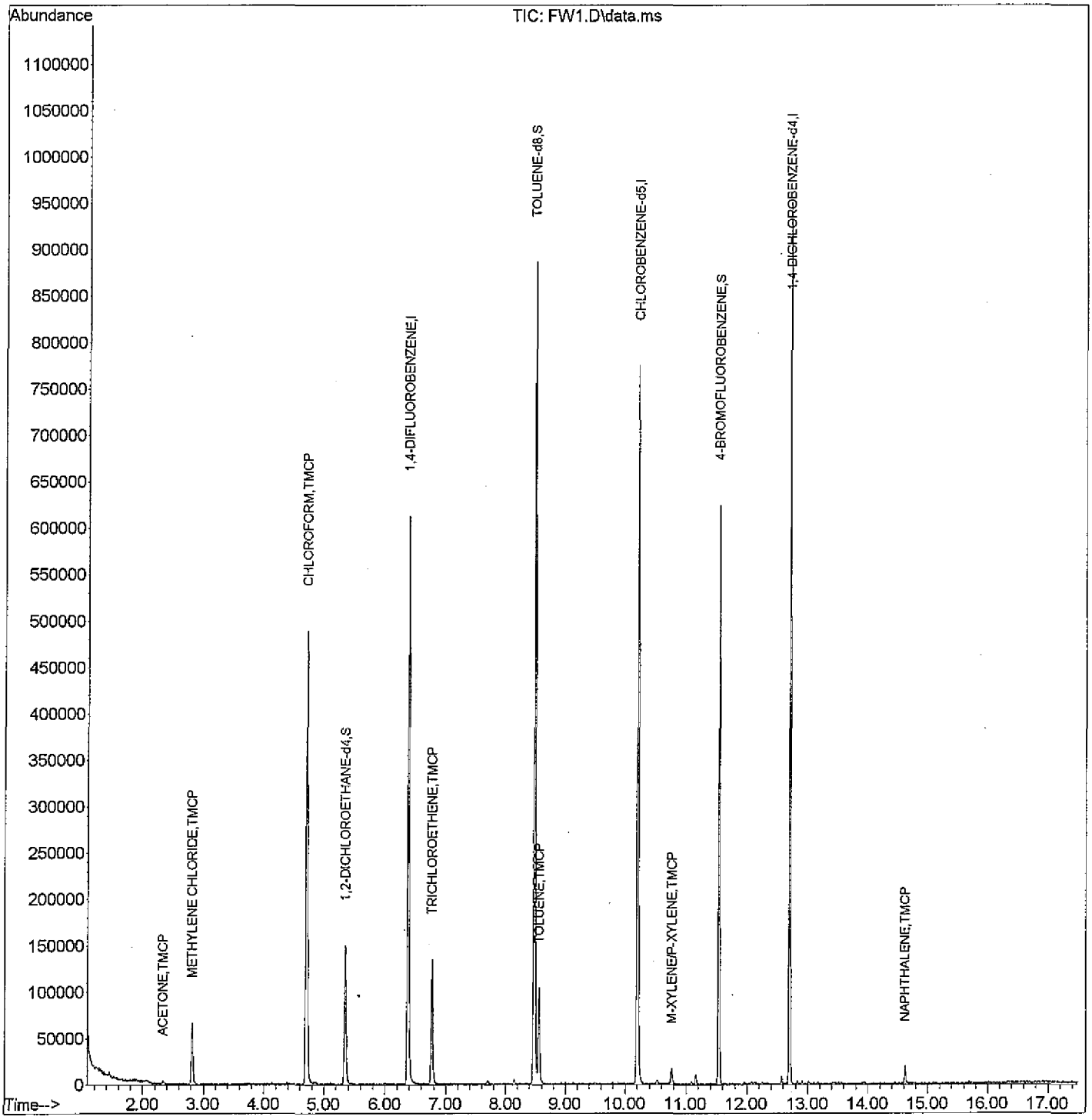
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	470462	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	415464	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	179270	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.342	65	100482	3.99 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 99.75%		
42) TOLUENE-d8	8.472	98	569134	3.81 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 95.25%		
60) 4-BROMOFLUOROBENZENE	11.531	95	165087	3.83 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 95.75%		
Target Compounds					Qvalue
8) ACETONE	2.335	43	4387	1.09 ug/L #	81
11) METHYLENE CHLORIDE	2.815	84	25260	1.05 ug/L #	77
22) CHLOROFORM	4.708	83	353185	7.52 ug/L	100
33) TRICHLOROETHENE	6.770	130	41802	1.33 ug/L	96
43) TOLUENE	8.554	92	40568	0.48 ug/L	93
53) M-XYLENE/P-XYLENE	10.766	106	5252	0.09 ug/L	95
76) NAPHTHALENE	14.627	128	9931	0.27 ug/L	95

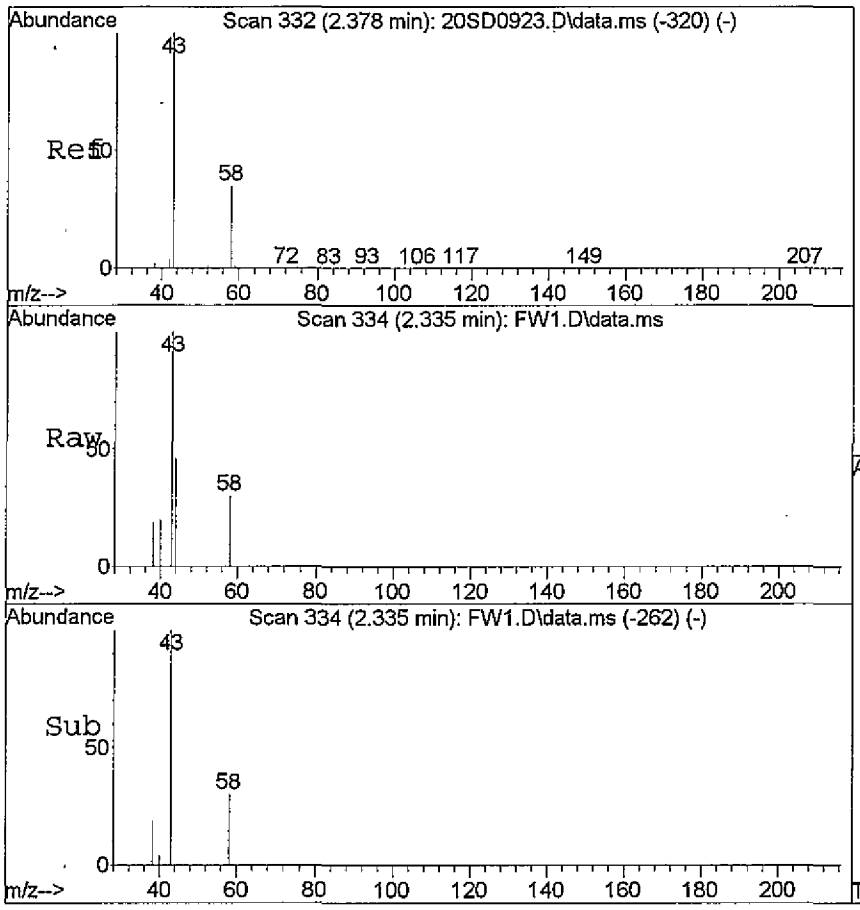
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : FW1.D
Acq On : 30 Jan 2012 1:32 pm
Operator : SCW OBB-AG5975
Sample : FIELD WATER 1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 14:02:43 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

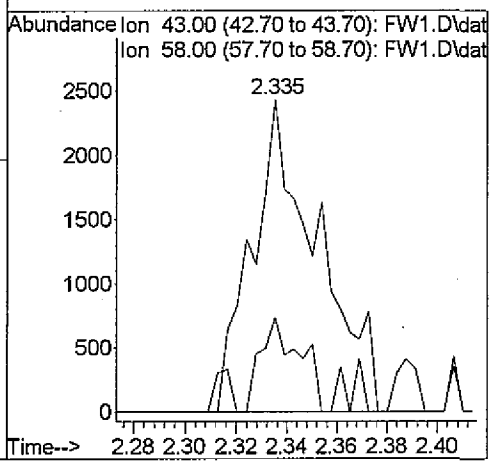


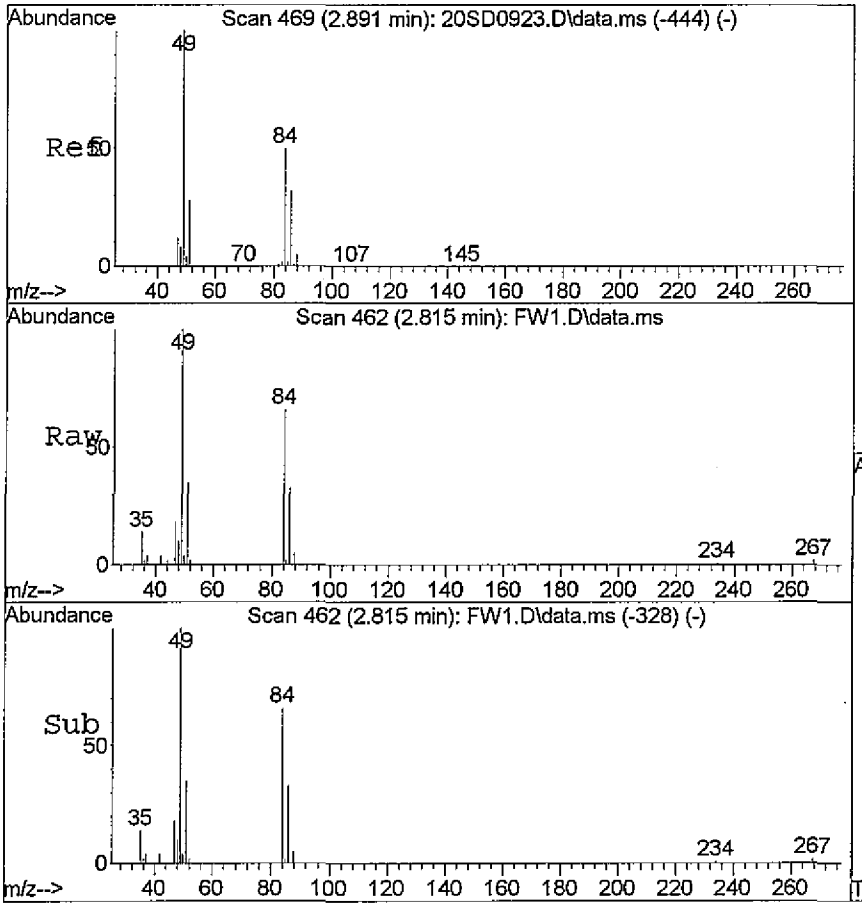


#8
ACETONE
Concen: 1.09 ug/L
RT: 2.335 min Scan# 334
Delta R.T. -0.030 min
Lab File: FW1.D
Acq: 30 Jan 2012 1:32 pm

Tgt Ion: 43 Resp: 4387

Ion	Ratio	Lower	Upper
43	100		
58	18.3	22.5	33.7#

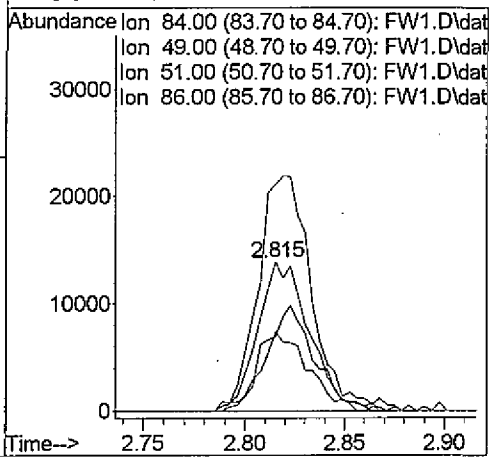


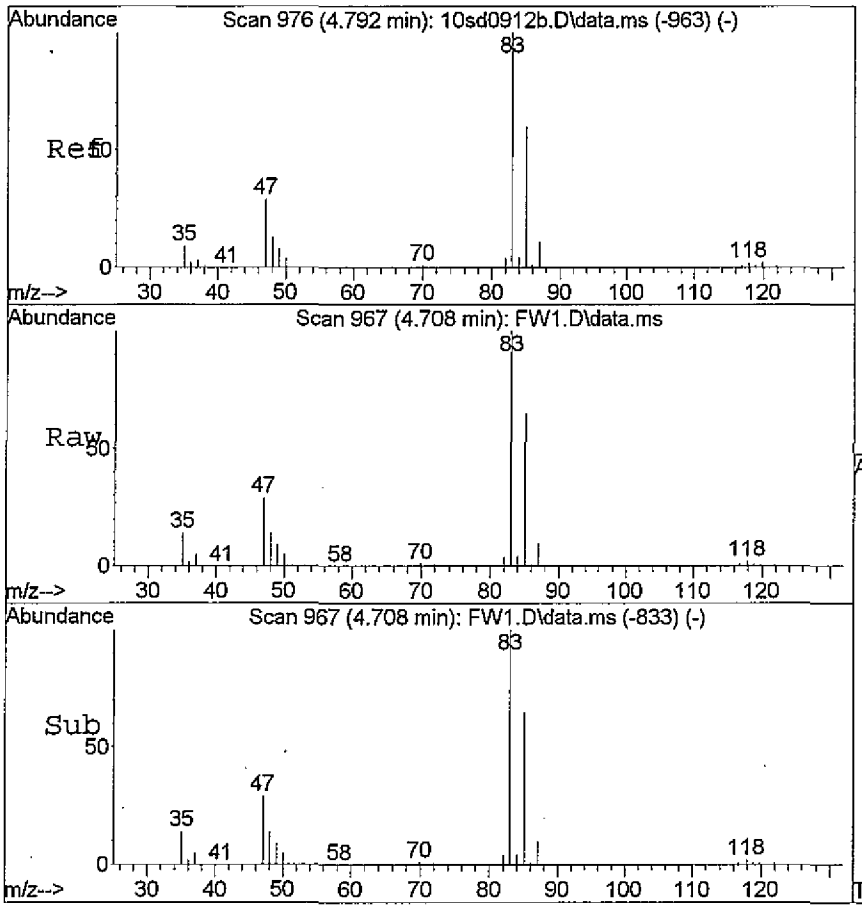


#11
METHYLENE CHLORIDE
Concen: 1.05 ug/L
RT: 2.815 min Scan# 462
Delta R.T. 0.004 min
Lab File: FW1.D
Acq: 30 Jan 2012 1:32 pm

Tgt Ion: 84 Resp: 25260

Ion	Ratio	Lower	Upper
84	100		
49	163.8	102.1	153.1#
51	49.5	31.0	46.6#
86	68.5	49.2	73.8

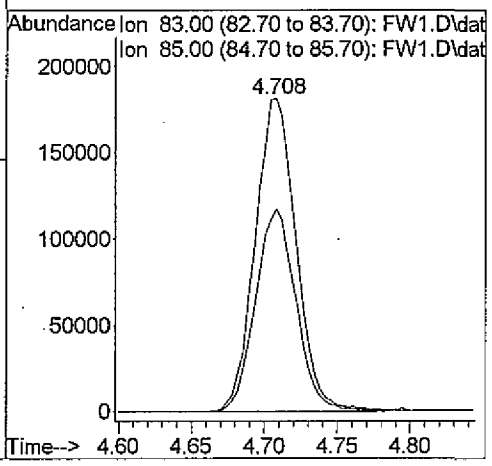


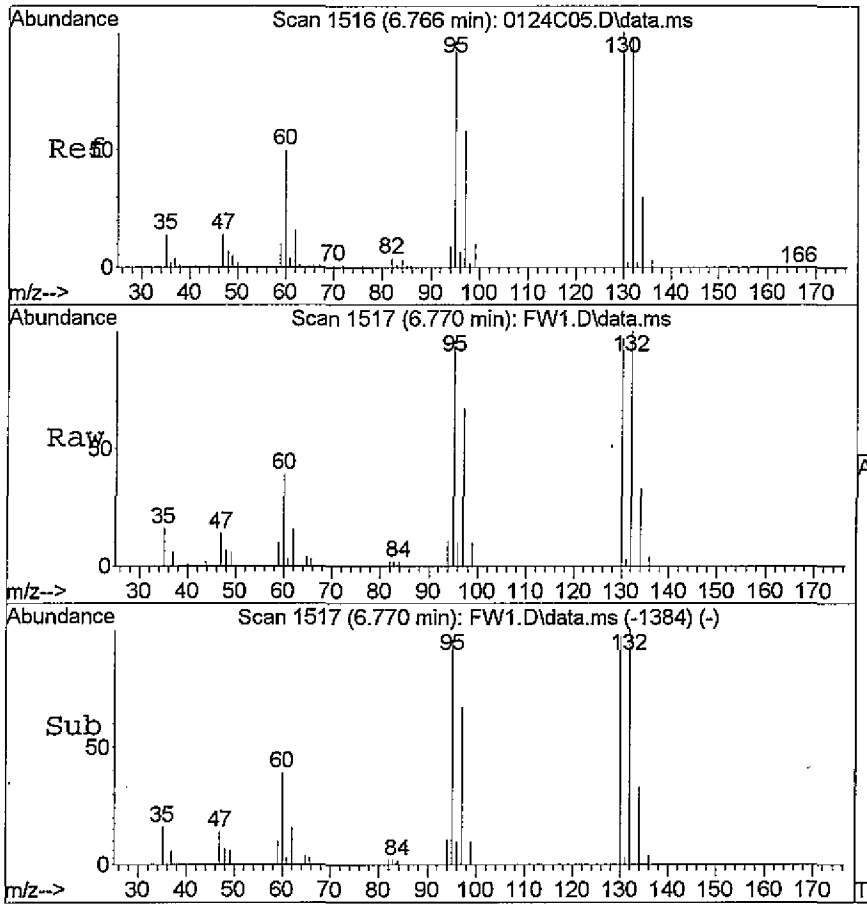


#22
CHLOROFORM
Concen: 7.52 ug/L
RT: 4.708 min Scan# 967
Delta R.T. 0.004 min
Lab File: FW1.D
Acq: 30 Jan 2012 1:32 pm

Tgt Ion: 83 Resp: 353185

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.3	76.9

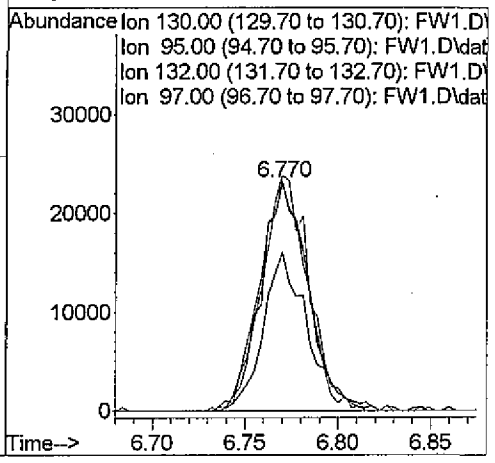


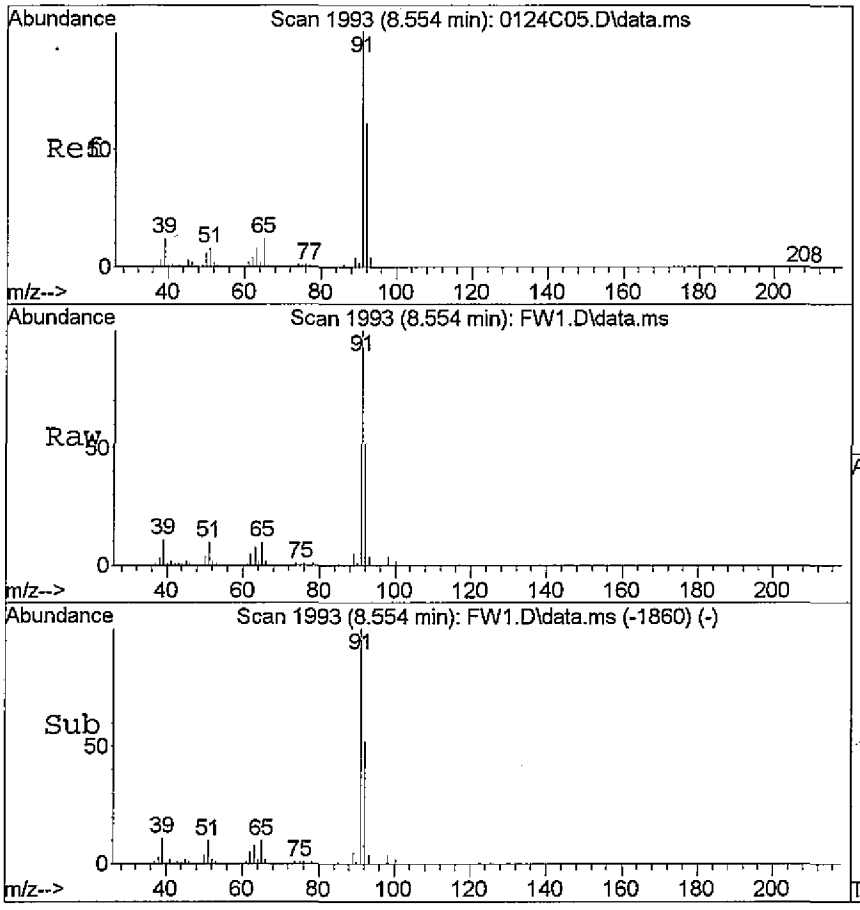


#33
TRICHLOROETHENE
Concen: 1.33 ug/L
RT: 6.770 min Scan# 1517
Delta R.T. 0.000 min
Lab File: FW1.D
Acq: 30 Jan 2012 1:32 pm

Tgt Ion:130 Resp: 41802

Ion	Ratio	Lower	Upper
130	100		
95	97.4	74.6	111.8
132	100.6	77.6	116.4
97	62.0	48.0	72.0

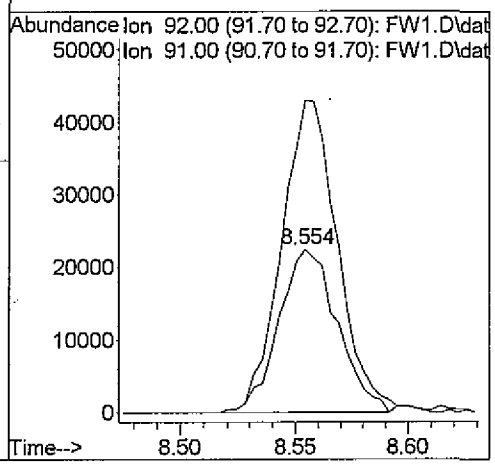


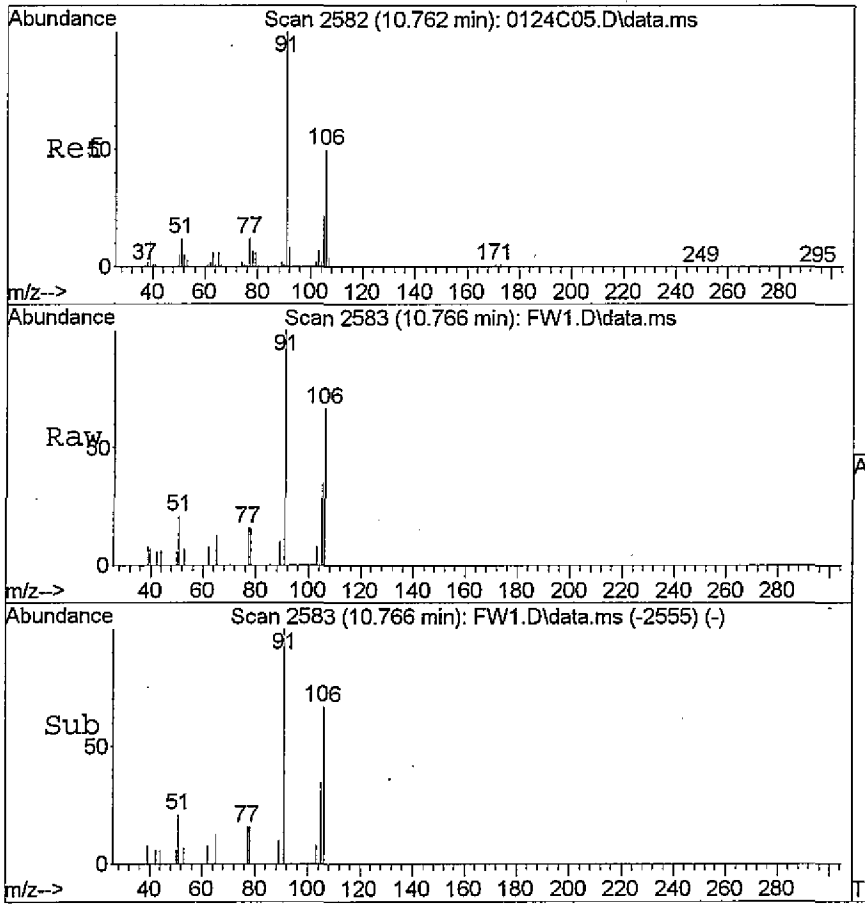


#43
TOLUENE
Concen: 0.48 ug/L
RT: 8.554 min Scan# 1993
Delta R.T. 0.000 min
Lab File: FW1.D
Acq: 30 Jan 2012 1:32 pm

Tgt Ion: 92 Resp: 40568

Ion	Ratio	Lower	Upper
92	100		
91	183.8	139.3	208.9

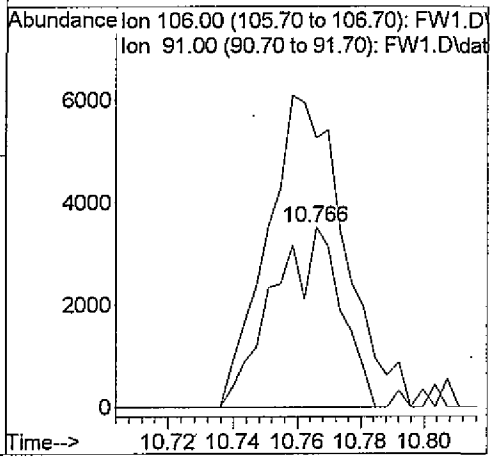


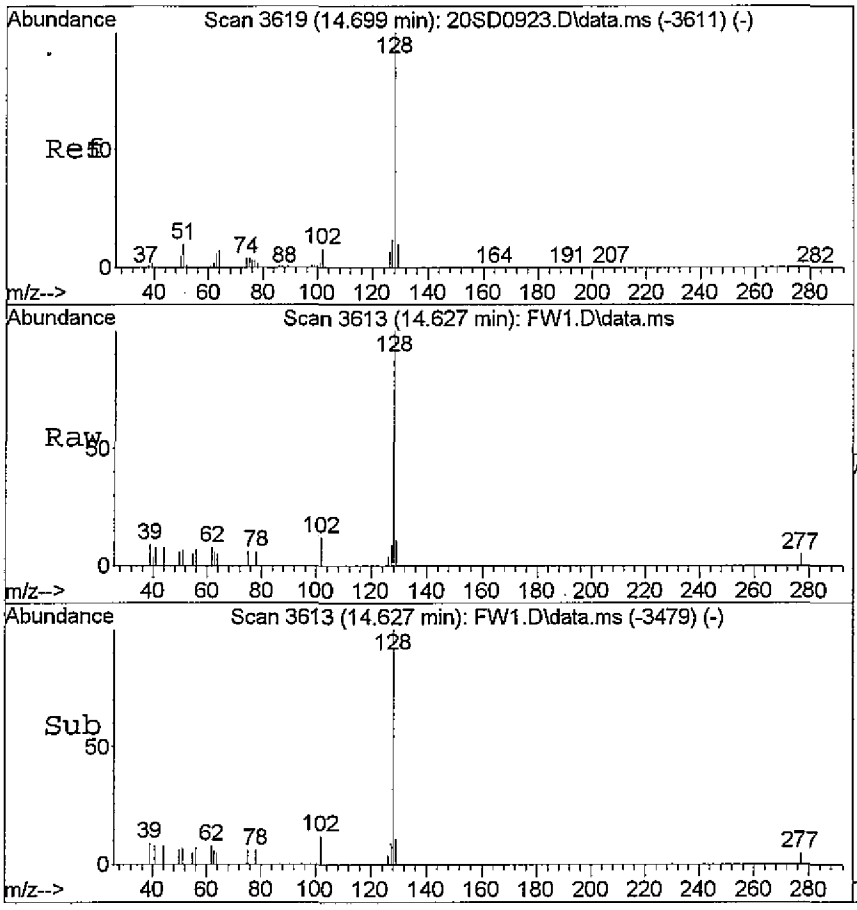


#53
M-XYLENE/P-XYLENE
Concen: 0.09 ug/L
RT: 10.766 min Scan# 2583
Delta R.T. 0.004 min
Lab File: FW1.D
Acq: 30 Jan 2012 1:32 pm

Tgt Ion:106 Resp: 5252

Ion	Ratio	Lower	Upper
106	100		
91	198.0	164.8	247.2

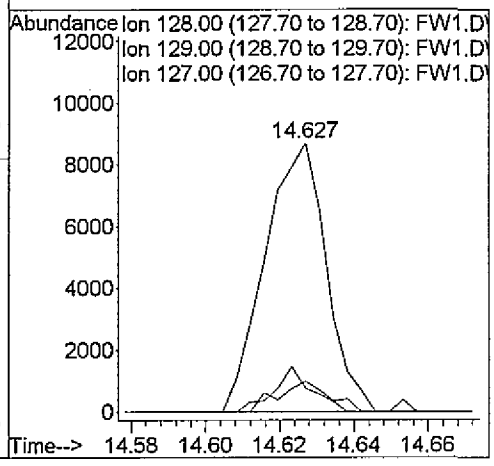




#76
NAPHTHALENE
Concen: 0.27 ug/L
RT: 14.627 min Scan# 3613
Delta R.T. 0.004 min
Lab File: FW1.D
Acq: 30 Jan 2012 1:32 pm

Tgt Ion:128 Resp: 9931

Ion	Ratio	Lower	Upper
128	100		
129	9.6	8.7	13.1
127	10.4	10.2	15.2



LSC Area Percent Report

Data Path : D:\data\01302012\
Data File : FW1.D
Acq On : 30 Jan 2012 1:32 pm
Operator : SCW OBB-AG5975
Sample : FIELD WATER 1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: FW1.D\

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.823	450	464	479	rBV3	66763	125192	8.16%	1.621%
2	4.708	954	967	987	rBV2	488911	941701	61.41%	12.193%
3	5.345	1126	1137	1149	rBV3	150117	293725	19.15%	3.803%
4	6.380	1400	1413	1430	rBV2	612588	1083726	70.67%	14.032%
5	6.770	1505	1517	1535	rBV3	135308	242003	15.78%	3.133%
6	8.472	1960	1971	1985	rBV	886451	1533450	100.00%	19.855%
7	8.558	1985	1994	2008	rVB	102887	190148	12.40%	2.462%
8	10.200	2418	2432	2452	rBV	775256	1291451	84.22%	16.722%
9	10.766	2573	2583	2592	rVB5	16867	28361	1.85%	0.367%
10	11.163	2681	2689	2696	rVB4	10560	16198	1.06%	0.210%
11	11.531	2776	2787	2802	rBV	624752	810916	52.88%	10.500%
12	12.700	3090	3099	3114	rVB	950989	1137276	74.16%	14.726%
13	14.623	3600	3612	3621	rBV3	19622	29023	1.89%	0.376%

Sum of corrected areas: 7723170

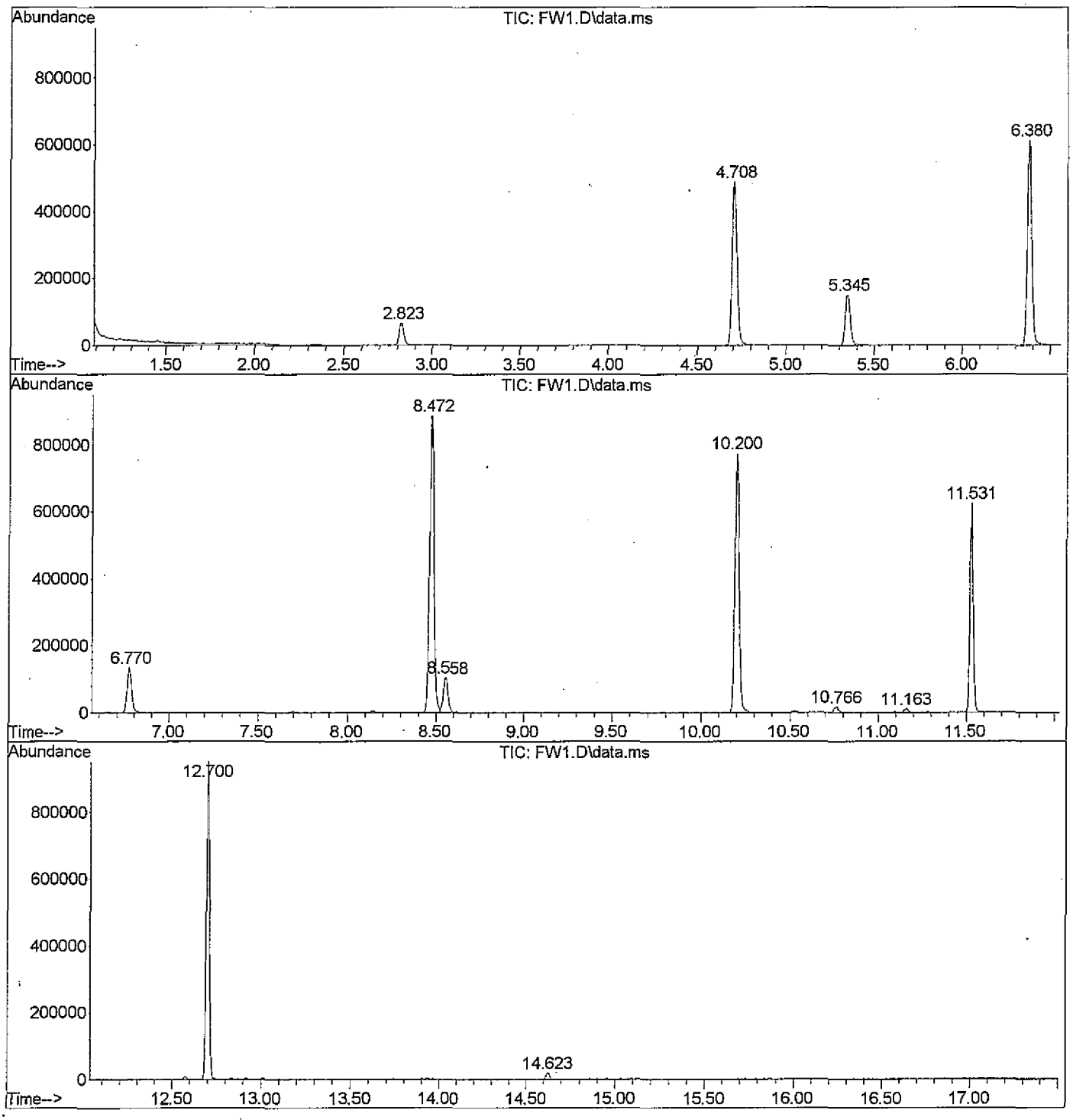
DIM0218843 DIM0219206

LSC Report - Integrated Chromatogram

Data Path : D:\data\01302012\
Data File : FW1.D
Acq On : 30 Jan 2012 1:32 pm
Operator : SCW OBB-AG5975
Sample : FIELD WATER 1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01302012\
Data File : FW1.D
Acq On : 30 Jan 2012 1:32 pm
Operator : SCW OBB-AG5975
Sample : FIELD WATER 1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01302012\
Data File : FW1.D
Acq On : 30 Jan 2012 1:32 pm
Operator : SCW OBB-AG5975
Sample : FIELD WATER 1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

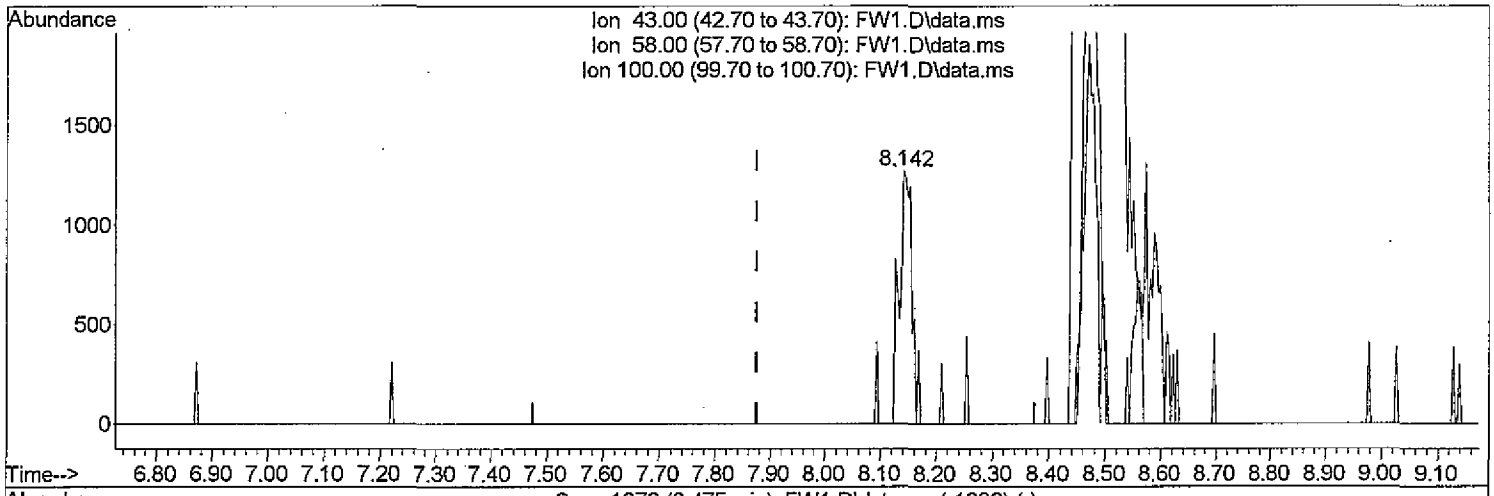
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

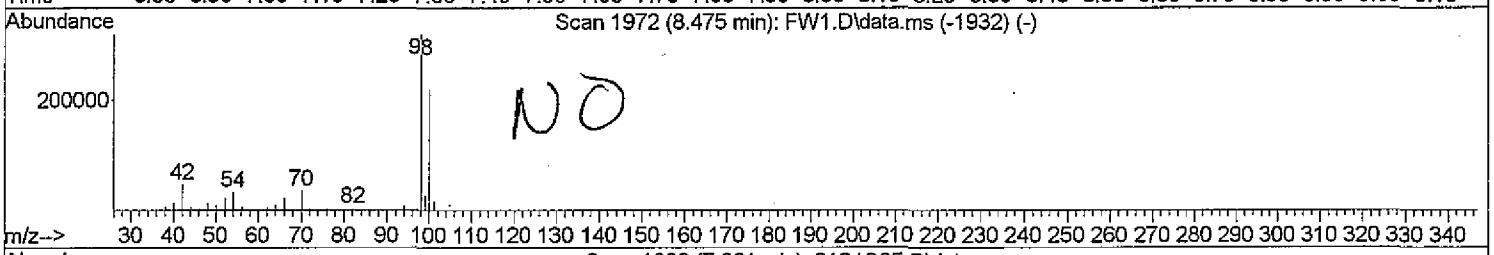
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

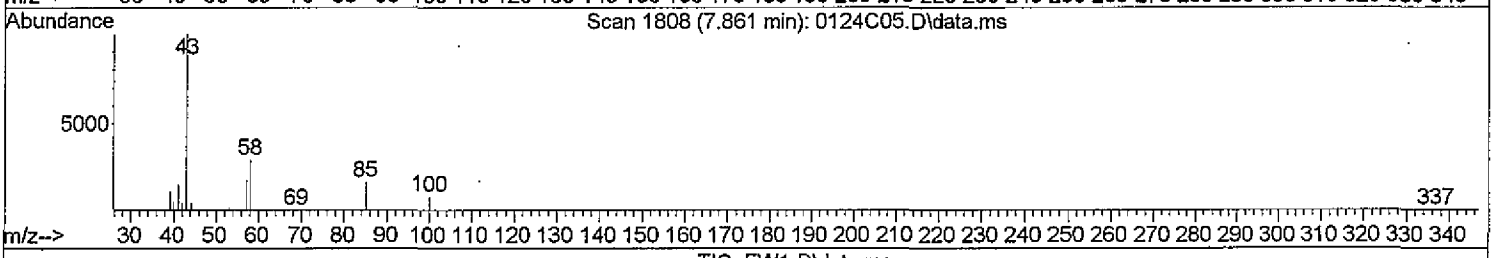
Quantitation Report (Qedit)

Data Path : D:\data\01302012\
Data File : FW1.D
Acq On : 30 Jan 2012 1:32 pm
Operator : SCW OBB-AG5975
Sample : FIELD WATER 1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 14:01:48 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: FW1.D\data.ms

(39) 4-METHYL-2-PENTANONE (TMCP)

8.142min (+0.266) 0.23ug/L

response 2010

Ion	Exp%	Act%
43.00	100	100
58.00	36.60	0.00#
100.00	12.60	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : FW2.D
Acq On : 30 Jan 2012 2:00 pm
Operator : SCW OBB-AG5975
Sample : FIELD WATER 2
Misc :
ALS Vial : 4 Sample Multiplier: 1

It's in the water!

Quant Time: Jan 30 14:19:12 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

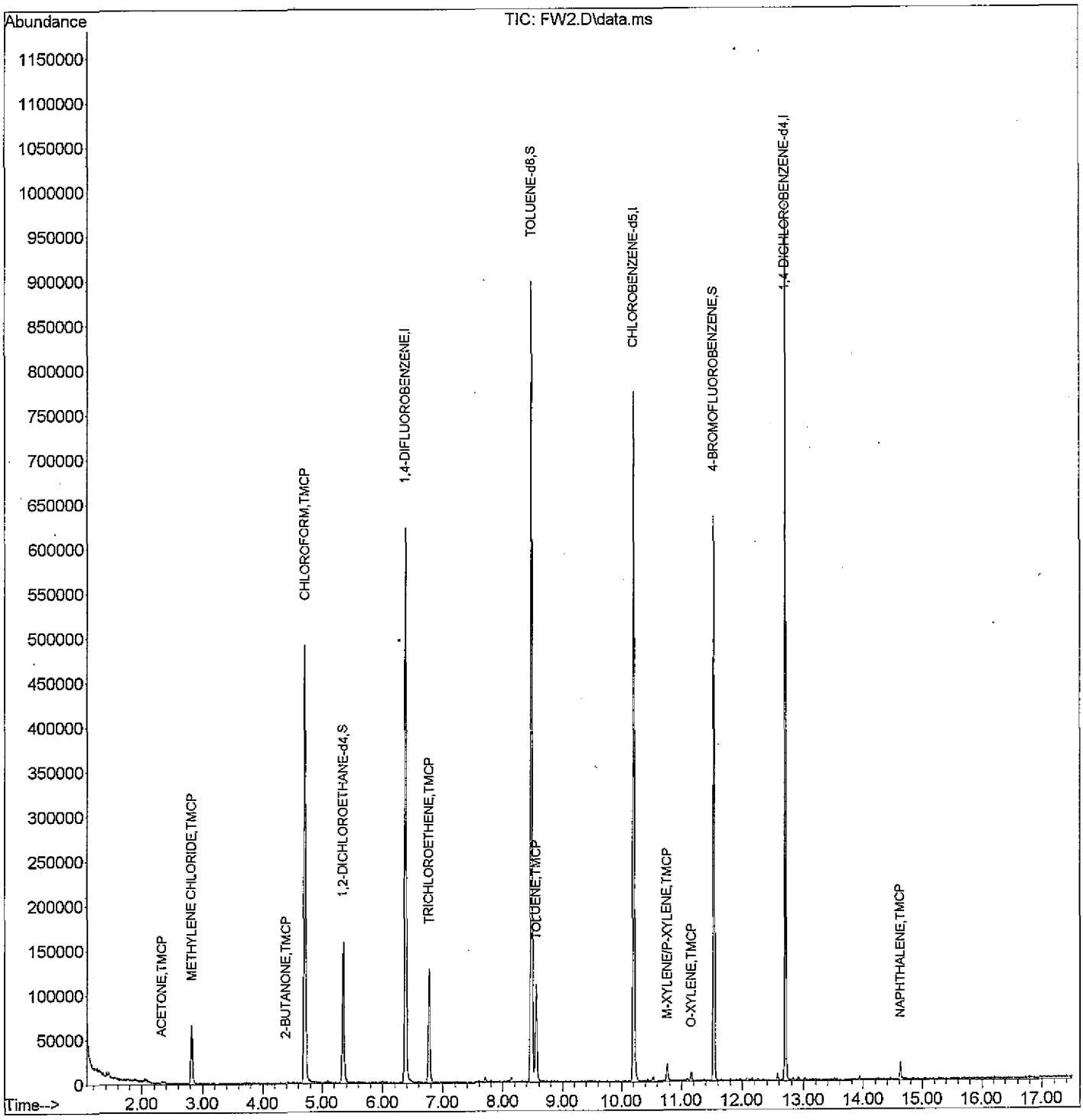
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	484387	4.00	ug/L	0.00
38) CHLOROBENZENE-d5	10.204	117	425176	4.00	ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	180822	4.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-DICHLOROETHANE-d4	5.345	65	106644	4.11	ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 102.75%			
42) TOLUENE-d8	8.475	98	577168	3.78	ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 94.50%			
60) 4-BROMOFLUOROBENZENE	11.531	95	165822	3.81	ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 95.25%			
Target Compounds						Qvalue
8) ACETONE	2.331	43	4781	1.15	ug/L #	47
11) METHYLENE CHLORIDE	2.819	84	26083	1.05	ug/L #	76
19) 2-BUTANONE	4.401	43	1091	0.29	ug/L #	64
22) CHLOROFORM	4.704	83	348688	7.21	ug/L	98
33) TRICHLOROETHENE	6.766	130	41858	1.29	ug/L	97
43) TOLUENE	8.558	92	43389	0.50	ug/L	97
53) M-XYLENE/P-XYLENE	10.762	106	5028	0.08	ug/L	94
55) O-XYLENE	11.163	106	3306	0.05	ug/L	80
76) NAPHTHALENE	14.623	128	10236	0.28	ug/L #	95

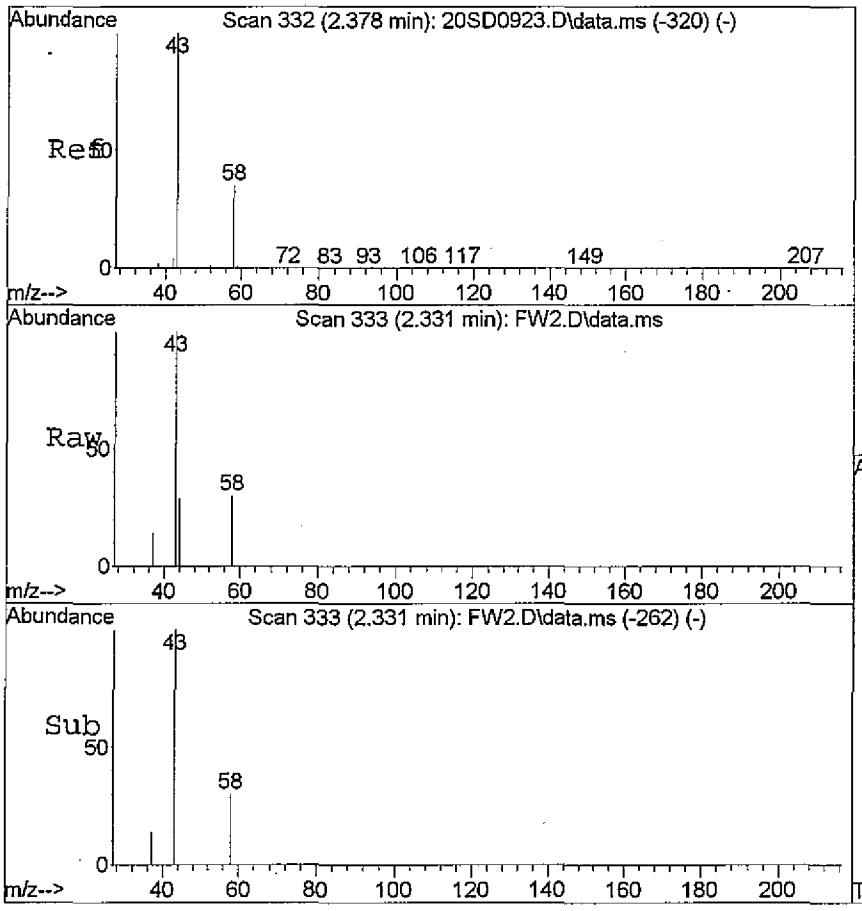
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : FW2.D
Acq On : 30 Jan 2012 2:00 pm
Operator : SCW OBB-AG5975
Sample : FIELD WATER 2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 14:19:12 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

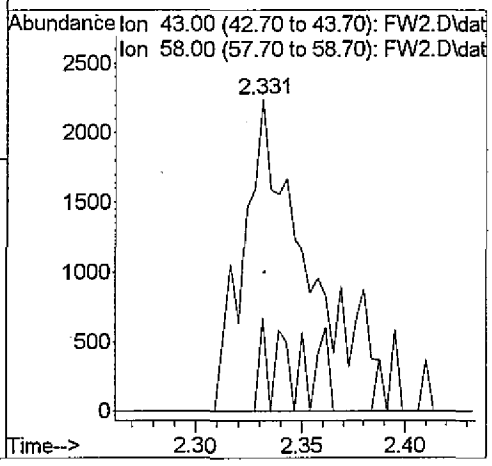


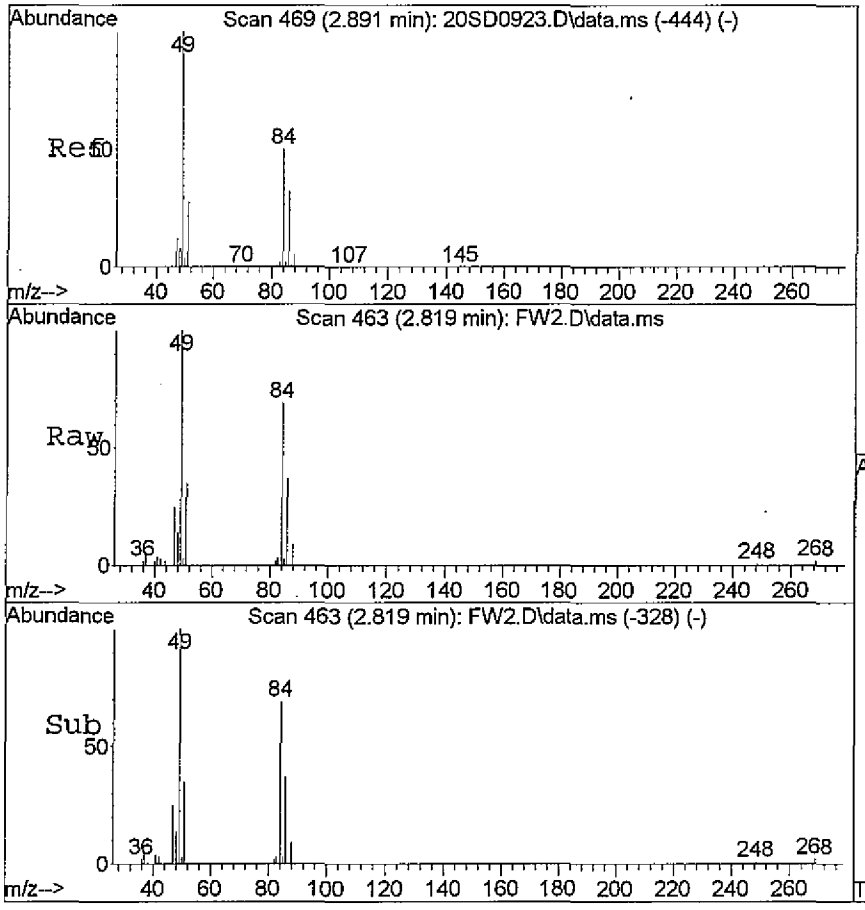


#8
ACETONE
Concen: 1.15 ug/L
RT: 2.331 min Scan# 333
Delta R.T. -0.034 min
Lab File: FW2.D
Acq: 30 Jan 2012 2:00 pm

Tgt Ion: 43 Resp: 4781

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#

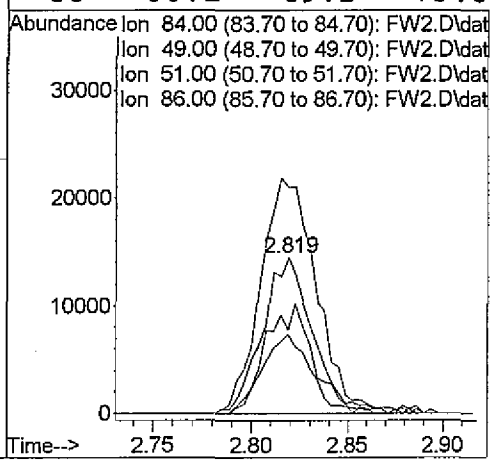


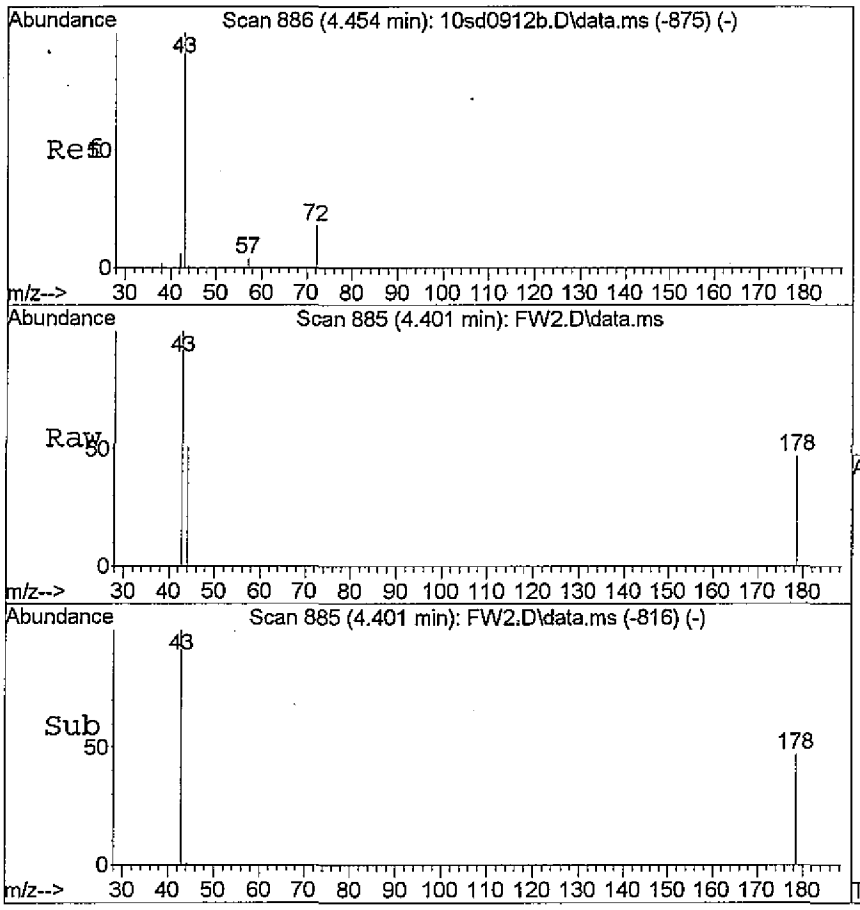


#11
METHYLENE CHLORIDE
Concen: 1.05 ug/L
RT: 2.819 min Scan# 463
Delta R.T. 0.008 min
Lab File: FW2.D
Acq: 30 Jan 2012 2:00 pm

Tgt Ion: 84 Resp: 26083

Ion	Ratio	Lower	Upper
84	100		
49	167.3	102.1	153.1#
51	49.0	31.0	46.6#
86	66.1	49.2	73.8

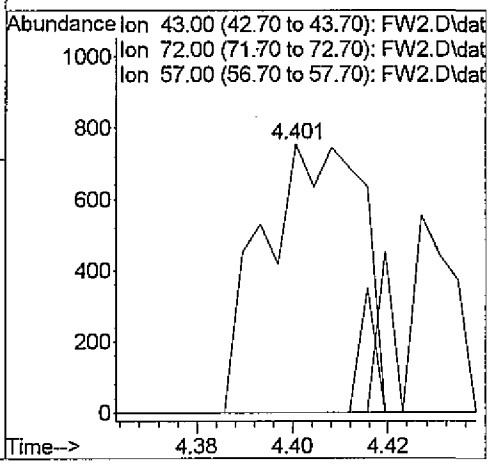


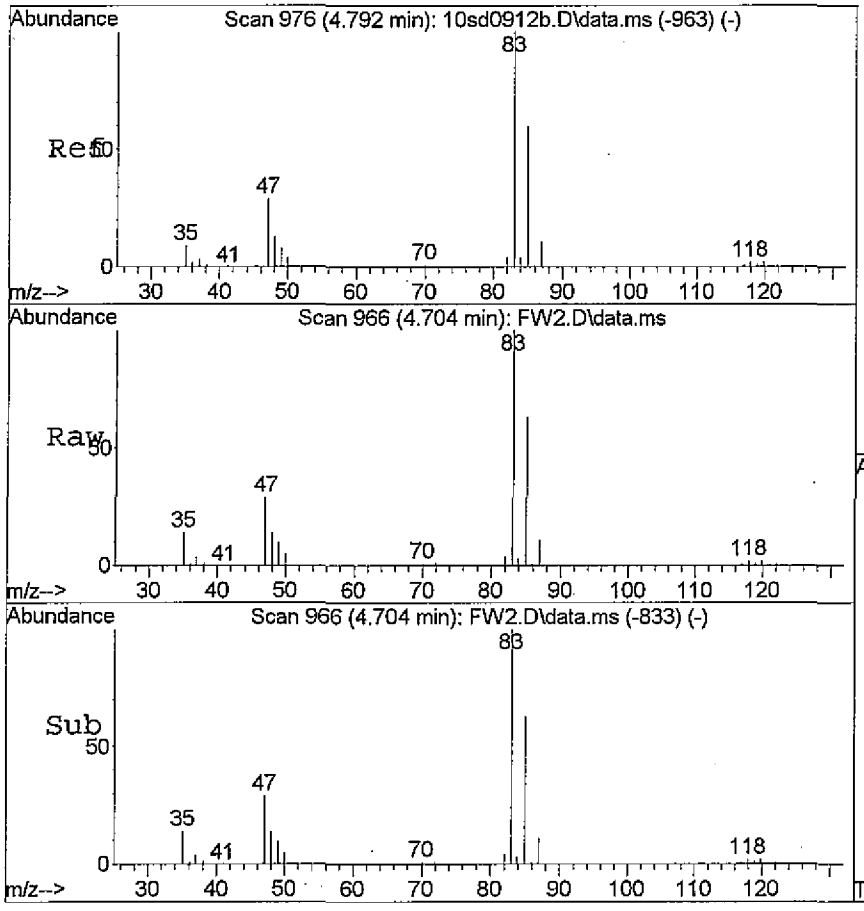


#19
2-BUTANONE
Concen: 0.29 ug/L
RT: 4.401 min Scan# 885
Delta R.T. 0.008 min
Lab File: FW2.D
Acq: 30 Jan 2012 2:00 pm

Tgt Ion: 43 Resp: 1091

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.9	22.3#
57	0.0	6.1	9.1#

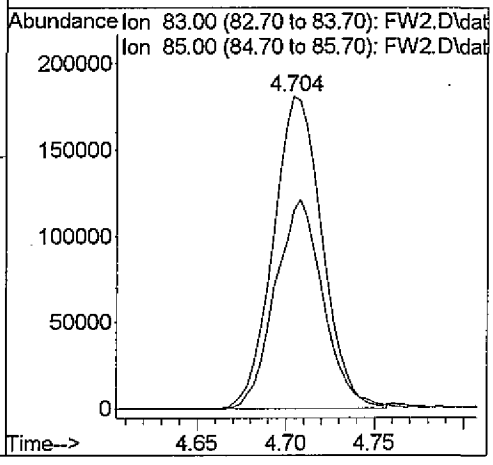


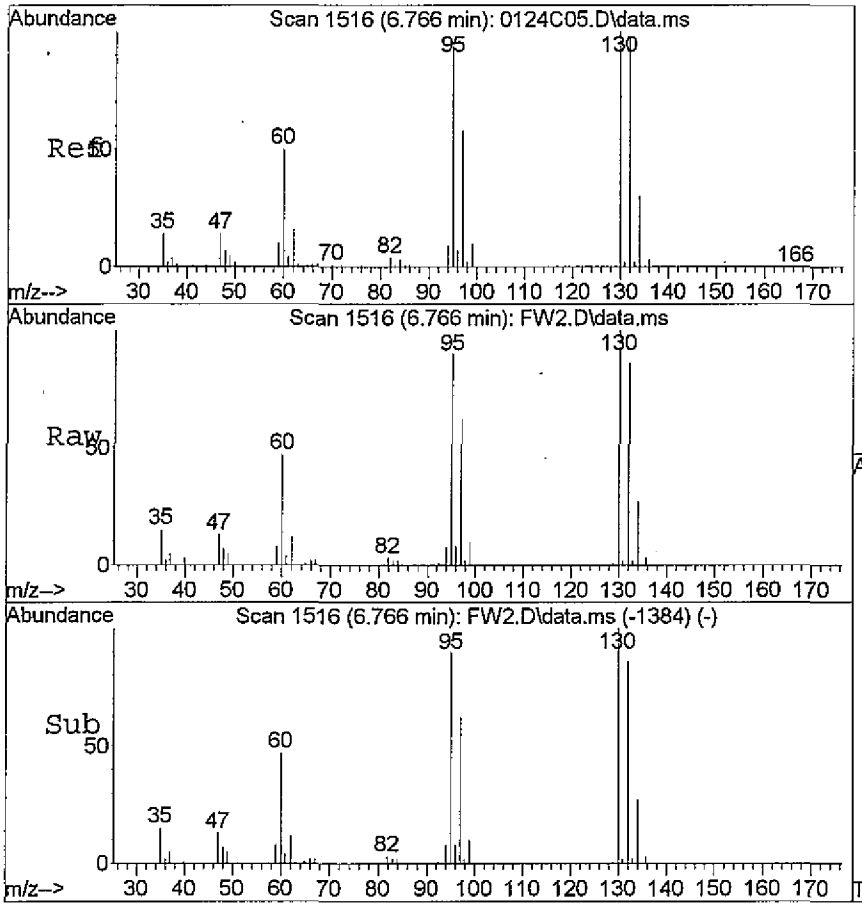


#22
CHLOROFORM
Concen: 7.21 ug/L
RT: 4.704 min Scan# 966
Delta R.T. 0.000 min
Lab File: FW2.D
Acq: 30 Jan 2012 2:00 pm

Tgt Ion: 83 Resp: 348688

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.3	76.9

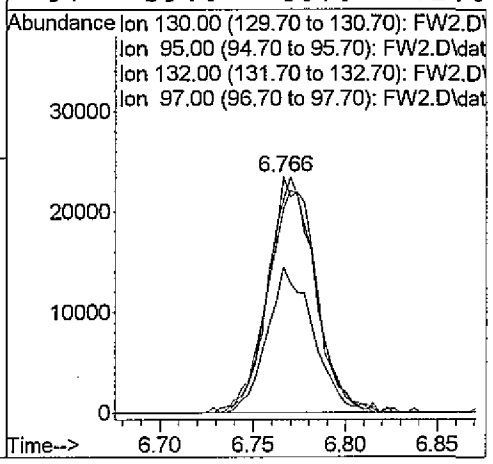


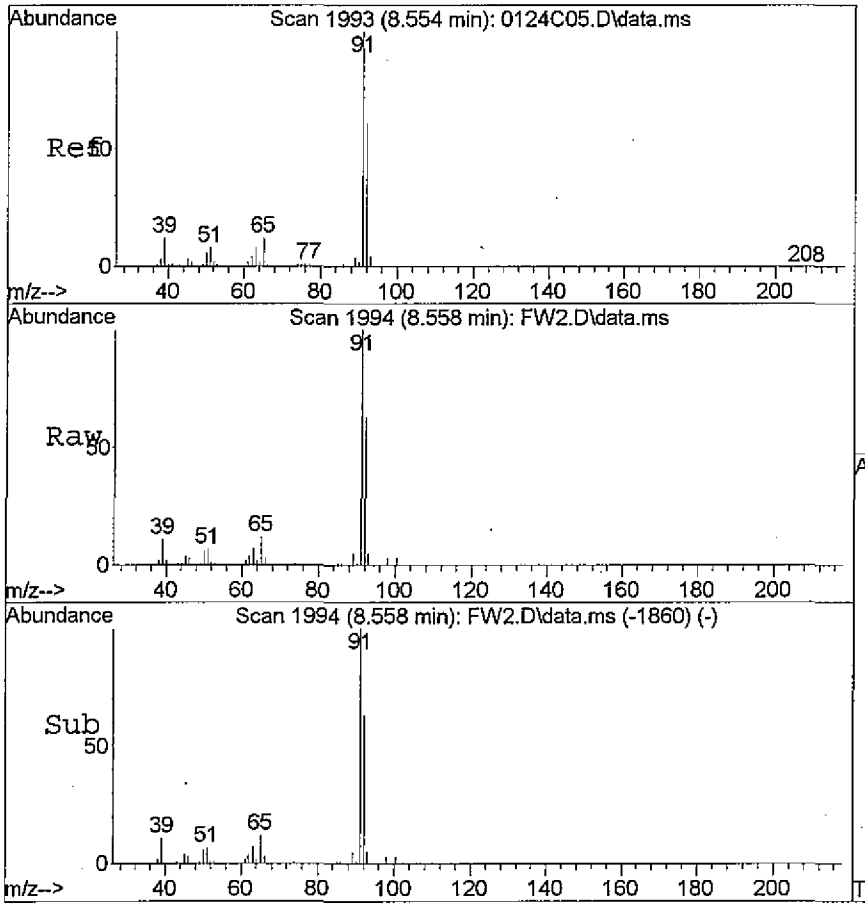


#33
TRICHLOROETHENE
Concen: 1.29 ug/L
RT: 6.766 min Scan# 1516
Delta R.T. -0.004 min
Lab File: FW2.D
Acq: 30 Jan 2012 2:00 pm

Tgt Ion:130 Resp: 41858

Ion	Ratio	Lower	Upper
130	100		
95	98.2	74.6	111.8
132	95.0	77.6	116.4
97	59.6	48.0	72.0

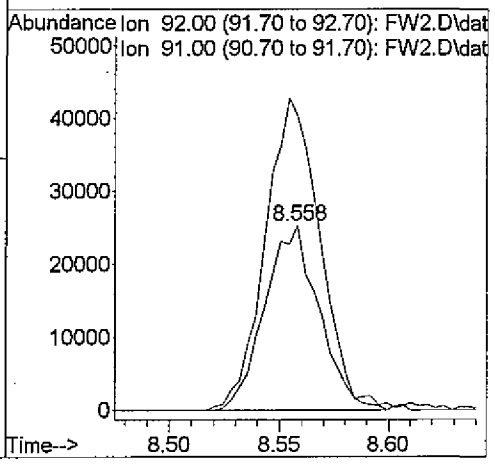


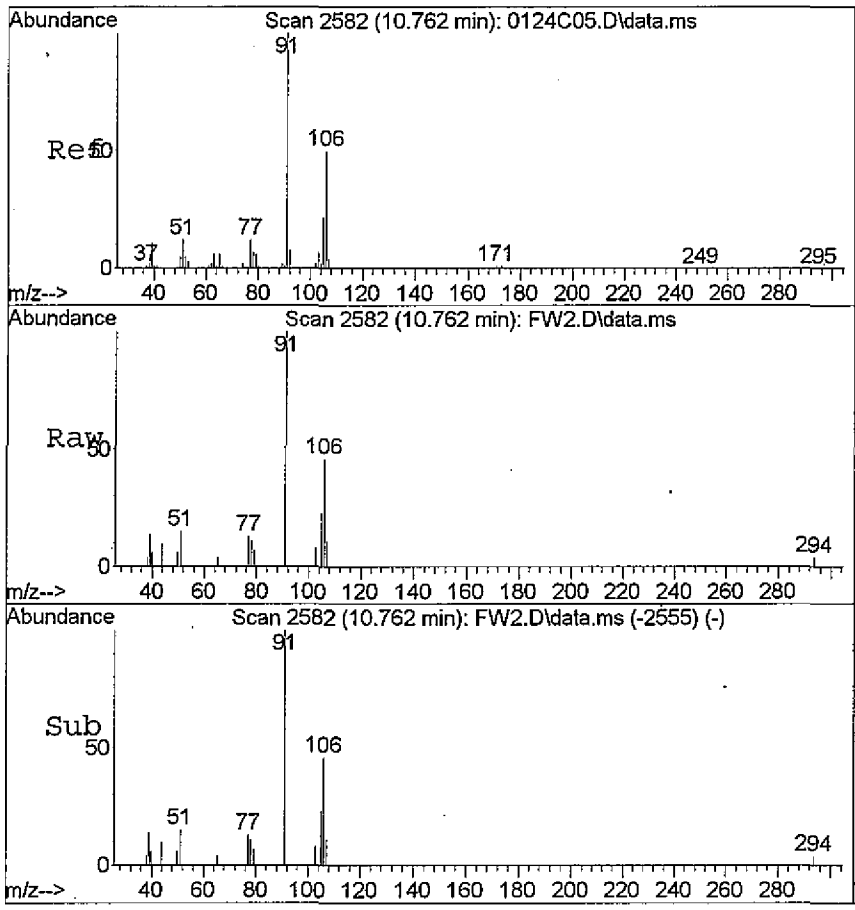


#43
TOLUENE
Concen: 0.50 ug/L
RT: 8.558 min Scan# 1994
Delta R.T. 0.004 min
Lab File: FW2.D
Acq: 30 Jan 2012 2:00 pm

Tgt Ion: 92 Resp: 43389

Ion	Ratio	Lower	Upper
92	100		
91	170.4	139.3	208.9

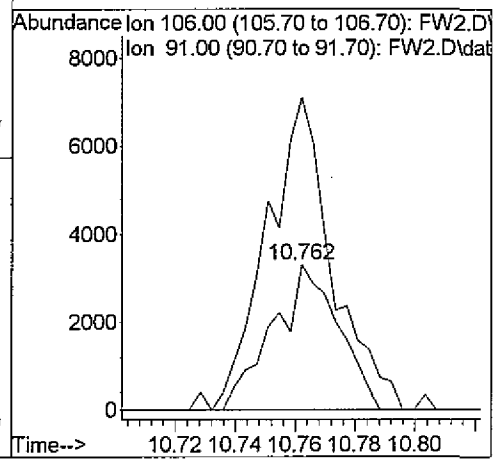


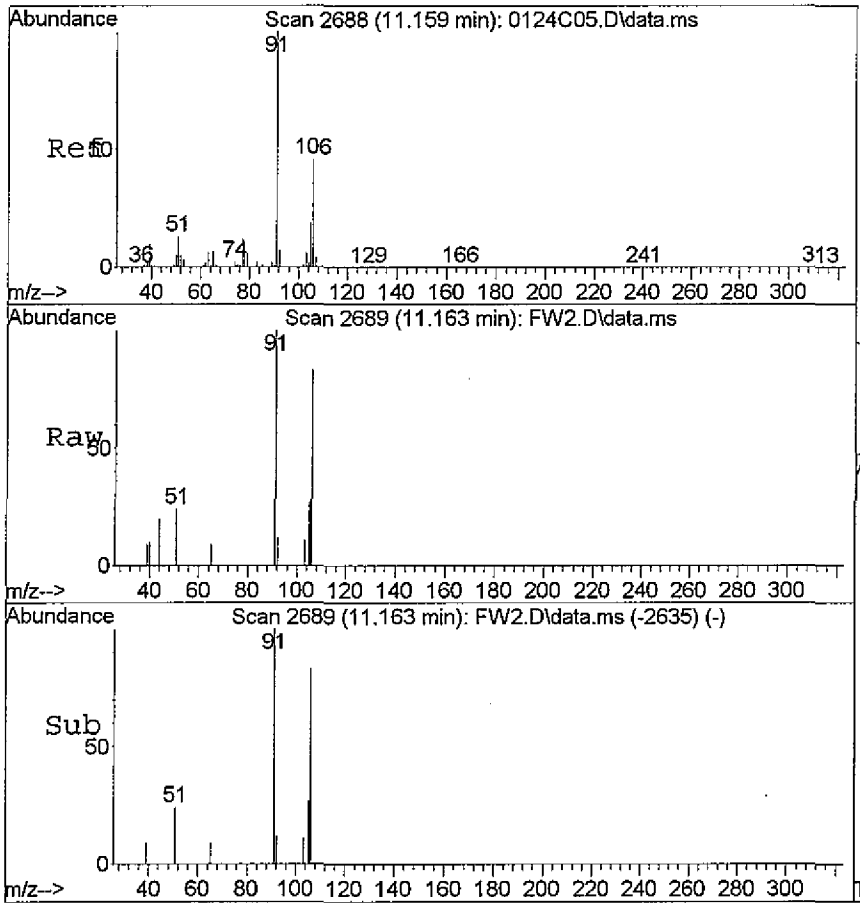


#53
M-XYLENE/P-XYLENE
Concen: 0.08 ug/L
RT: 10.762 min Scan# 2582
Delta R.T. 0.000 min
Lab File: FW2.D
Acq: 30 Jan 2012 2:00 pm

Tgt Ion:106 Resp: 5028

Ion	Ratio	Lower	Upper
106	100		
91	215.5	164.8	247.2

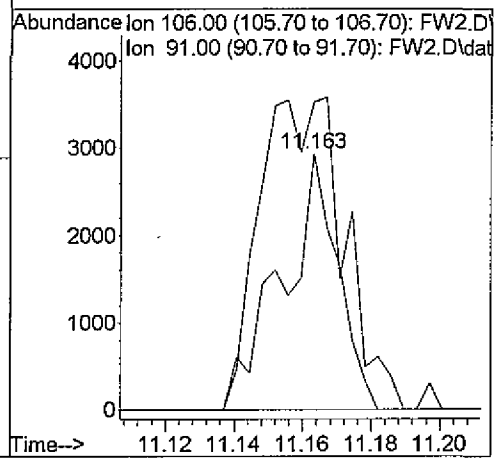


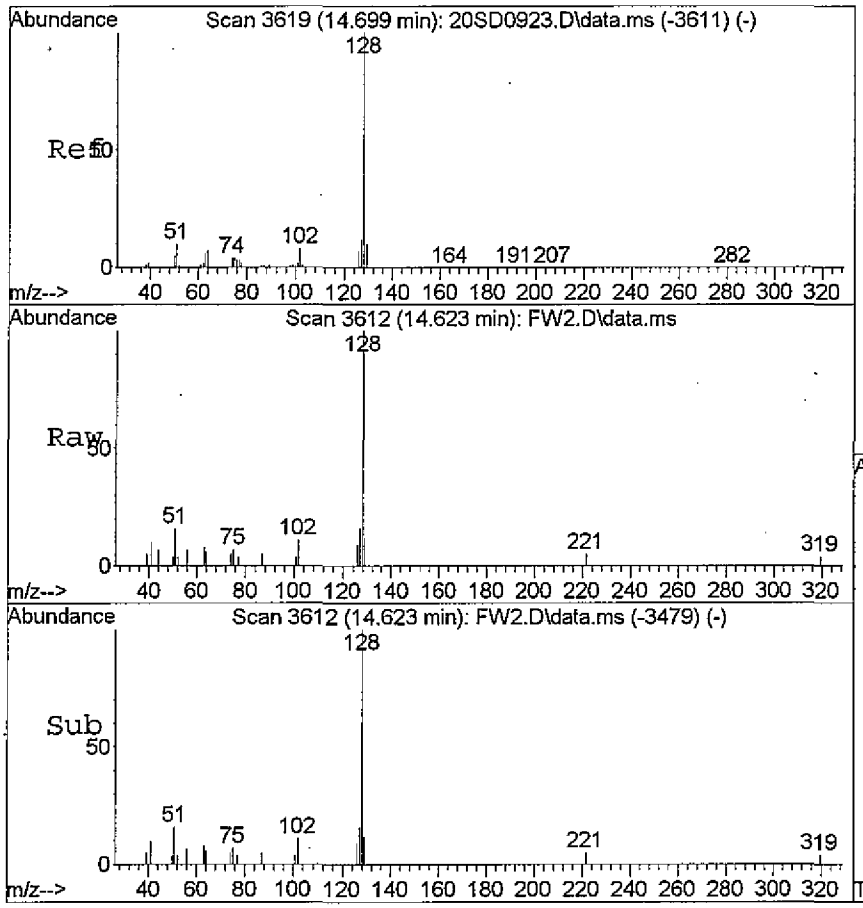


#55
O-XYLENE
Concen: 0.05 ug/L
RT: 11.163 min Scan# 2689
Delta R.T. 0.004 min
Lab File: FW2.D
Acq: 30 Jan 2012 2:00 pm

Tgt Ion:106 Resp: 3306

Ion	Ratio	Lower	Upper
106	100		
91	184.8	173.3	259.9

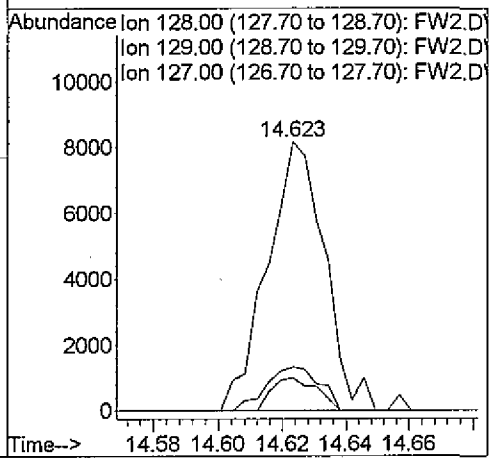




#76
NAPHTHALENE
Concen: 0.28 ug/L
RT: 14.623 min Scan# 3612
Delta R.T. 0.000 min
Lab File: FW2.D
Acq: 30 Jan 2012 2:00 pm

Tgt Ion:128 Resp: 10236

Ion	Ratio	Lower	Upper
128	100		
129	9.7	8.7	13.1
127	15.3	10.2	15.2#



LSC Area Percent Report

Data Path : D:\data\01302012\
Data File : FW2.D
Acq On : 30 Jan 2012 2:00 pm
Operator : SCW OBB-AG5975
Sample : FIELD WATER 2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: FW2.D\

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.819	451	463	478	rBV2	66496	128546	8.14%	1.626%
2	4.708	950	967	987	rBV	491664	947499	60.03%	11.982%
3	5.345	1124	1137	1152	rBV3	158525	311282	19.72%	3.937%
4	6.380	1400	1413	1431	rBV	622466	1123331	71.17%	14.206%
5	6.770	1503	1517	1534	rBV4	128848	245020	15.52%	3.099%
6	8.475	1955	1972	1985	rBV	897258	1578307	100.00%	19.960%
7	8.554	1985	1993	2013	rVB2	109474	201999	12.80%	2.555%
8	10.200	2419	2432	2457	rVB2	773284	1324435	83.91%	16.749%
9	10.762	2574	2582	2592	rVB4	19242	29166	1.85%	0.369%
10	11.531	2776	2787	2801	rBV	633607	826996	52.40%	10.458%
11	12.700	3090	3099	3109	rBV	983482	1160941	73.56%	14.682%
12	14.623	3605	3612	3618	rBV4	20428	29892	1.89%	0.378%

Sum of corrected areas: 7907414

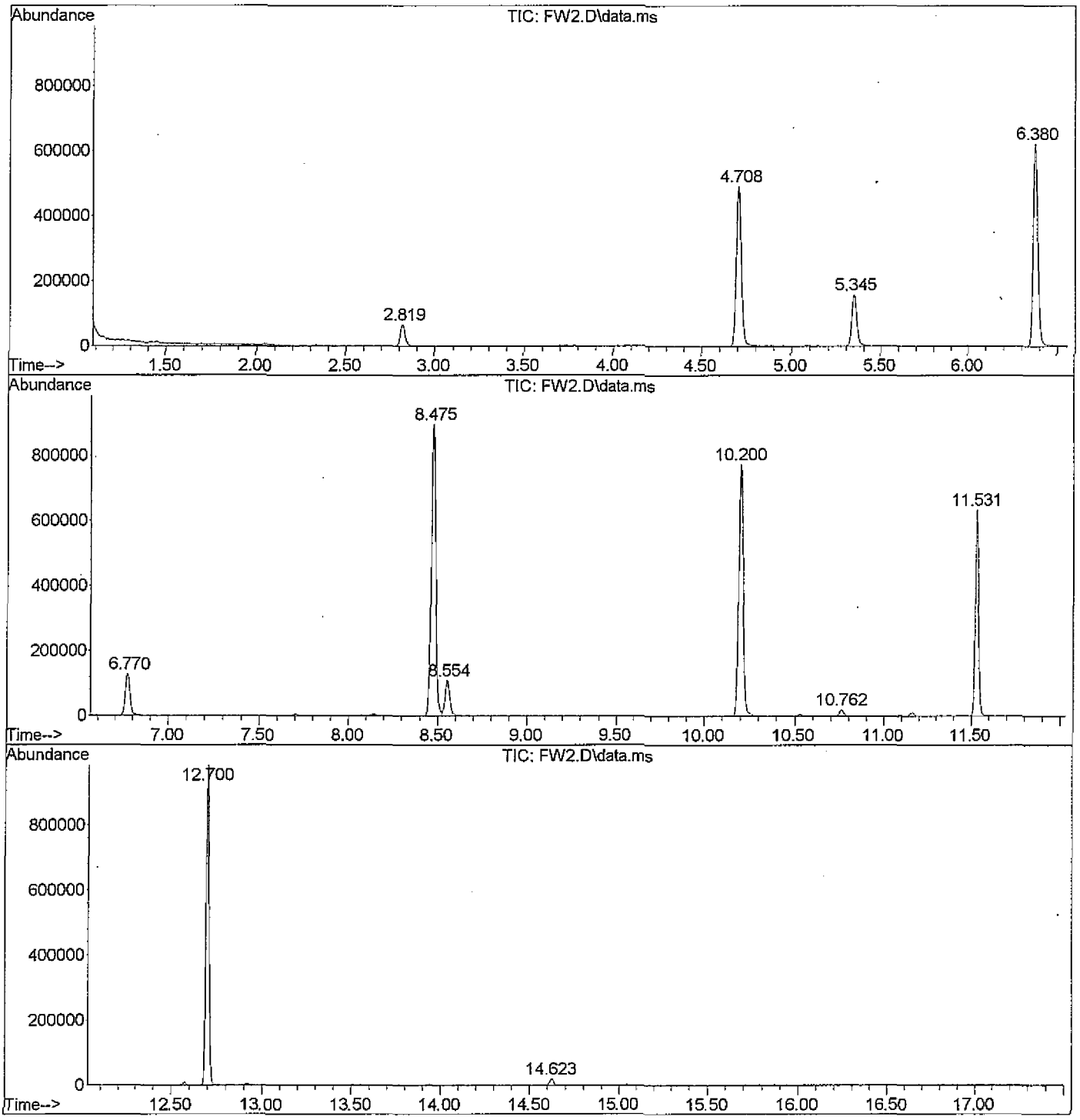
DIM0218843 DIM0219218

LSC Report - Integrated Chromatogram

Data Path : D:\data\01302012\
Data File : FW2.D
Acq On : 30 Jan 2012 2:00 pm
Operator : SCW OBB-AG5975
Sample : FIELD WATER 2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01302012\
Data File : FW2.D
Acq On : 30 Jan 2012 2:00 pm
Operator : SCW OBB-AG5975
Sample : FIELD WATER 2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01302012\
Data File : FW2.D
Acq On : 30 Jan 2012 2:00 pm
Operator : SCW OBB-AG5975
Sample : FIELD WATER 2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

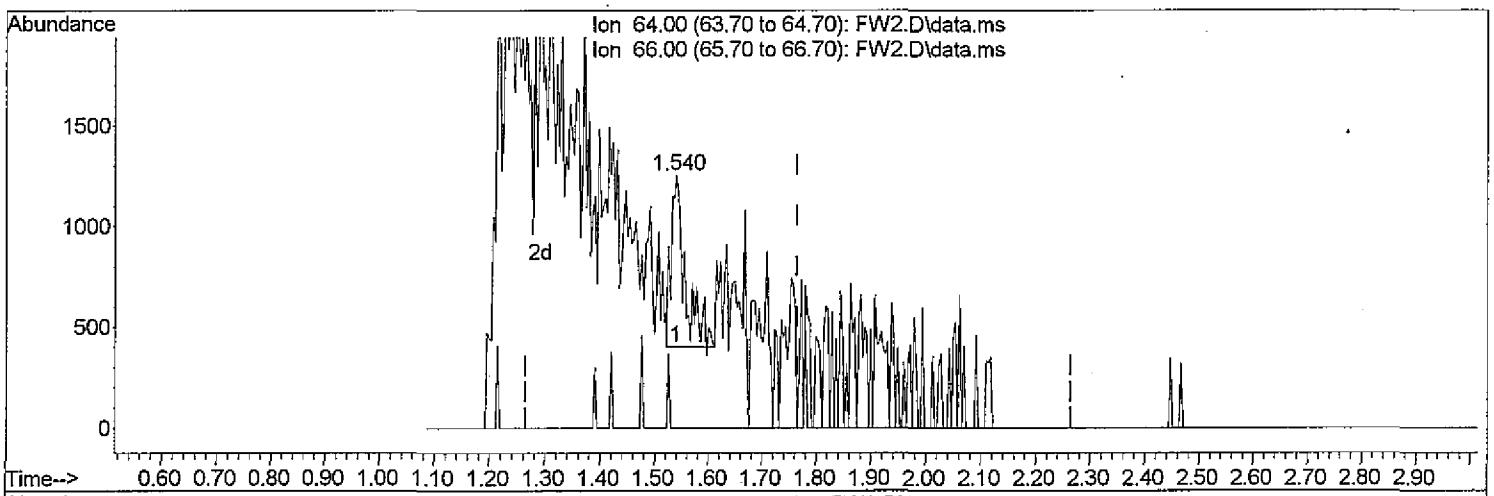
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

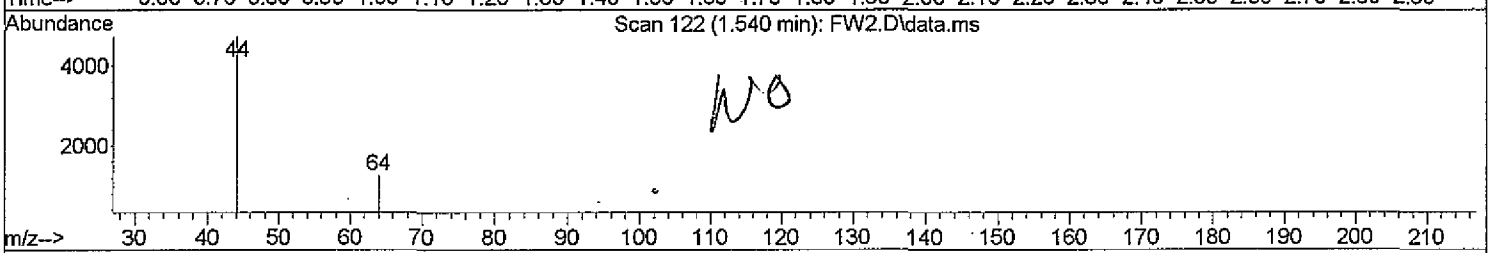
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

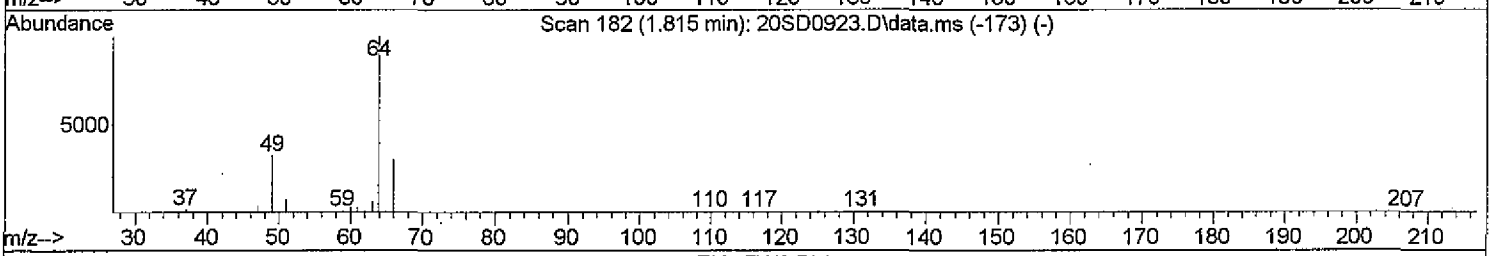
Quantitation Report (Qedit)

Data Path : D:\data\01302012\
Data File : FW2.D
Acq On : 30 Jan 2012 2:00 pm
Operator : SCW OBB-AG5975
Sample : FIELD WATER 2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 14:18:19 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: FW2.D\data.ms

(6) CHLOROETHANE (TMCP)

1.540min (-0.225) 0.05ug/L

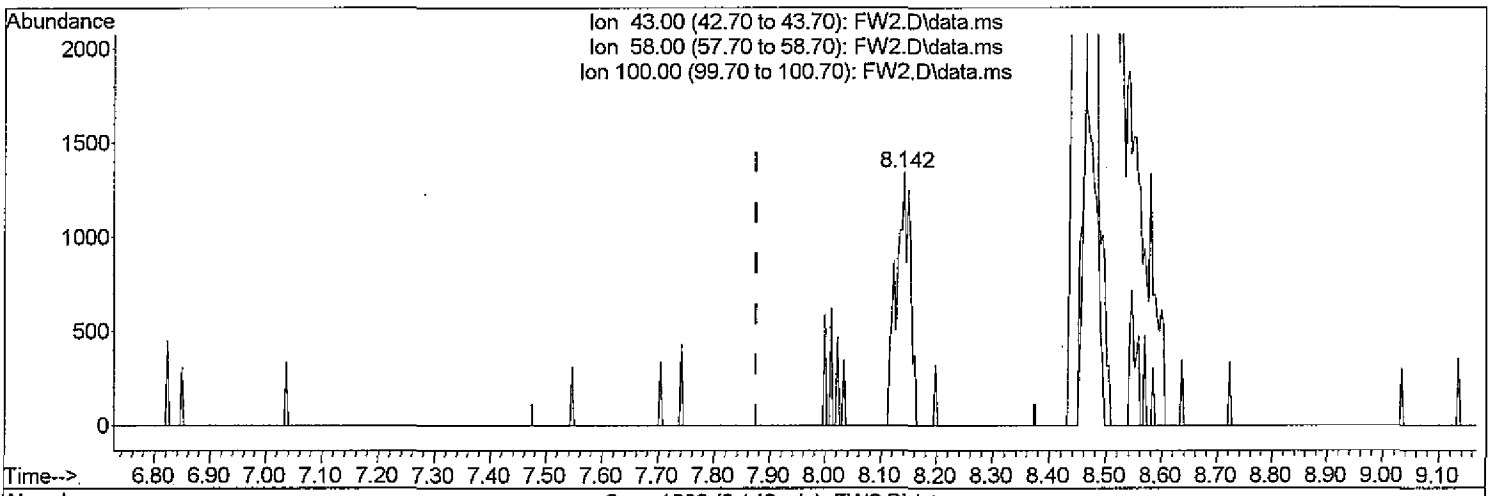
response 1539

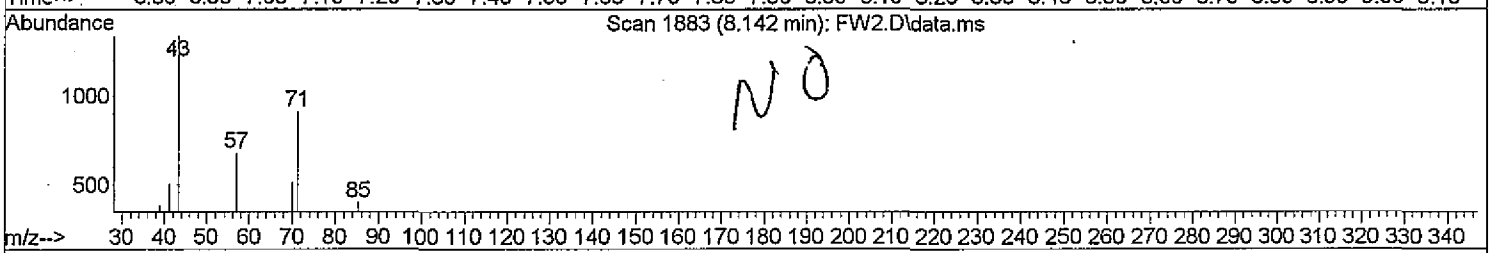
Ion	Exp%	Act%
64.00	100	100
66.00	31.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

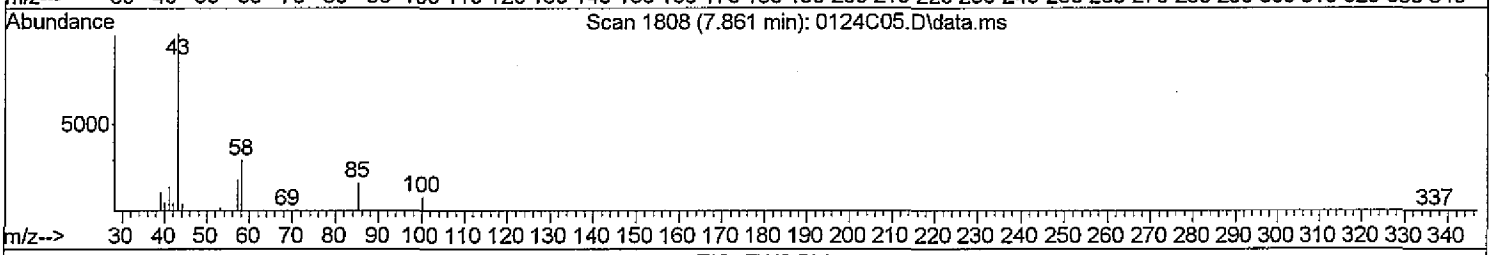
Data Path : D:\data\01302012\
Data File : FW2.D
Acq On : 30 Jan 2012 2:00 pm
Operator : SCW OBB-AG5975
Sample : FIELD WATER 2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 14:18:19 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration





NO



TIC: FW2.D\data.ms

(39) 4-METHYL-2-PENTANONE (TMCP)

8.142min (+0.266) 0.26ug/L

response 2359

Ion	Exp%	Act%
43.00	100	100
58.00	36.60	0.00#
100.00	12.60	0.00#
0.00	0.00	0.00

Case File Contents

Volatile Organic Compounds

VOCs by CLP Equivalent (trace)

WO 1201013

Dimock Residential Groundwater

DAS R33907

Sample Data

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 120101301.D
Acq On : 27 Jan 2012 2:48 pm
Operator : SCW OBB-AG5975
Sample : FB01;L
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 15:18:46 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.384	114	510514	4.00	ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	429808	4.00	ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	177176	4.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-DICHLOROETHANE-d4	5.345	65	111222	4.07	ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 101.75%			
42) TOLUENE-d8	8.475	98	609567	3.94	ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 98.50%			
60) 4-BROMOFLUOROBENZENE	11.530	95	166032	3.89	ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 97.25%			

Target Compounds						Qvalue
8) ACETONE	2.335	43	3375m	0.77	ug/L	J
11) METHYLENE CHLORIDE	2.822	84	27414	1.05	ug/L #	78
22) CHLOROFORM	4.708	83	381864	7.50	ug/L	99
33) TRICHLOROETHENE	6.773	130	86496	2.54	ug/L	99
43) TOLUENE	8.558	92	52426	0.60	ug/L	J SW97Z-3-1
53) M-XYLENE/P-XYLENE	10.769	106	12682	0.21	ug/L	J 90
55) O-XYLENE	11.163	106	5050	0.08	ug/L	J 98
76) NAPHTHALENE	14.623	128	11113	0.31	ug/L	J 98

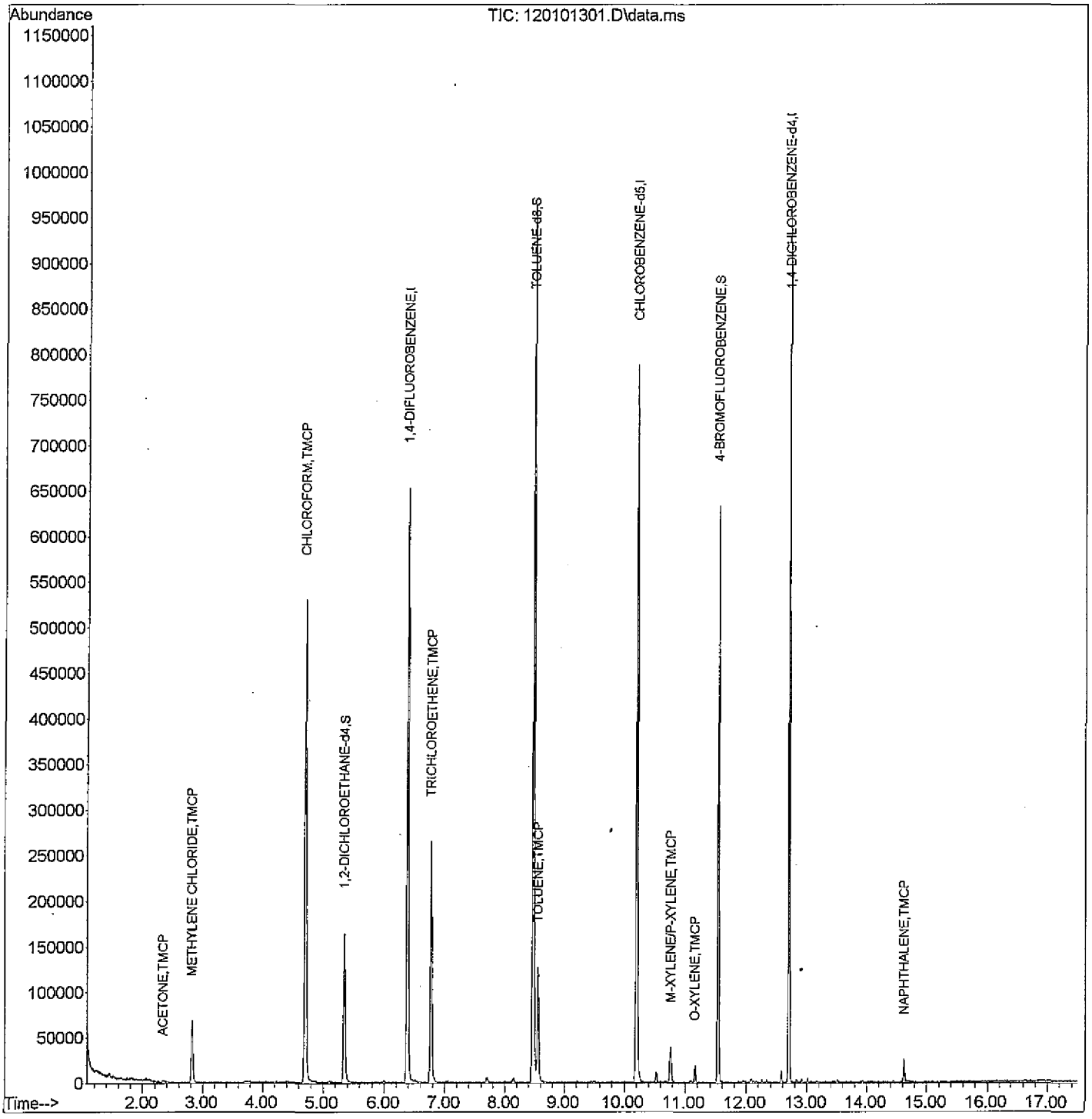
(#) = qualifier out of range (m) = manual integration (+) = signals summed

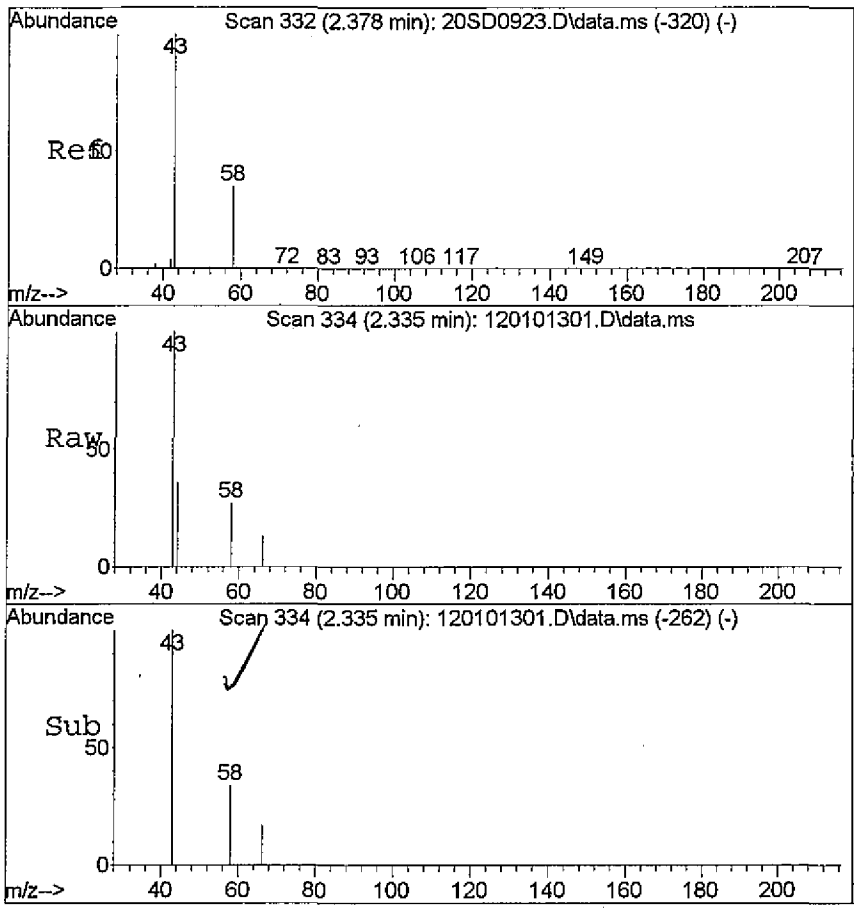
No TICs

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 120101301.D
Acq On : 27 Jan 2012 2:48 pm
Operator : SCW OBB-AG5975
Sample : FB01;L
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 15:18:46 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

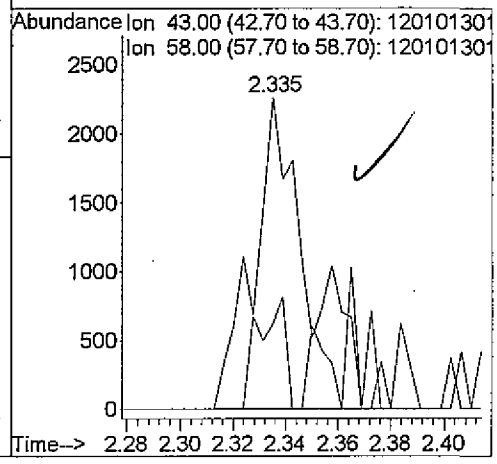


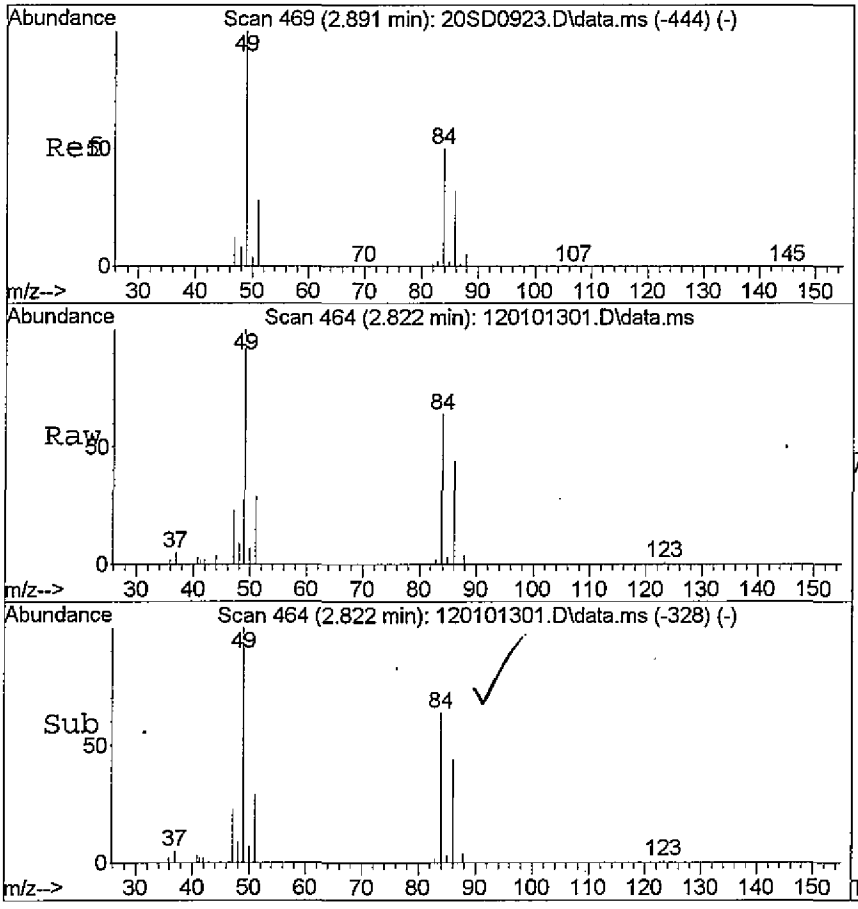


#8
ACETONE
Concen: 0.77 ug/L m
RT: 2.335 min Scan# 334
Delta R.T. -0.030 min
Lab File: 120101301.D
Acq: 27 Jan 2012 2:48 pm

Tgt Ion: 43 Resp: 3375

Ion	Ratio	Lower	Upper
43	100		
58	17.4	22.5	33.7#

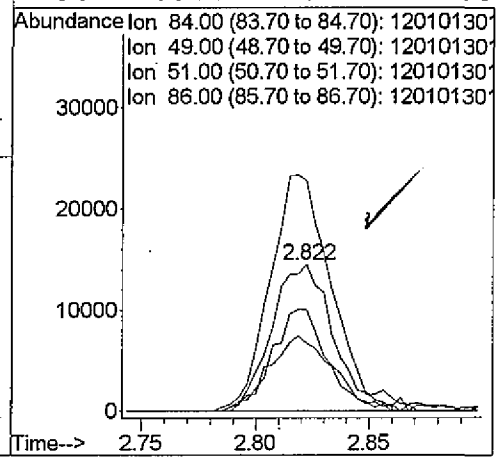


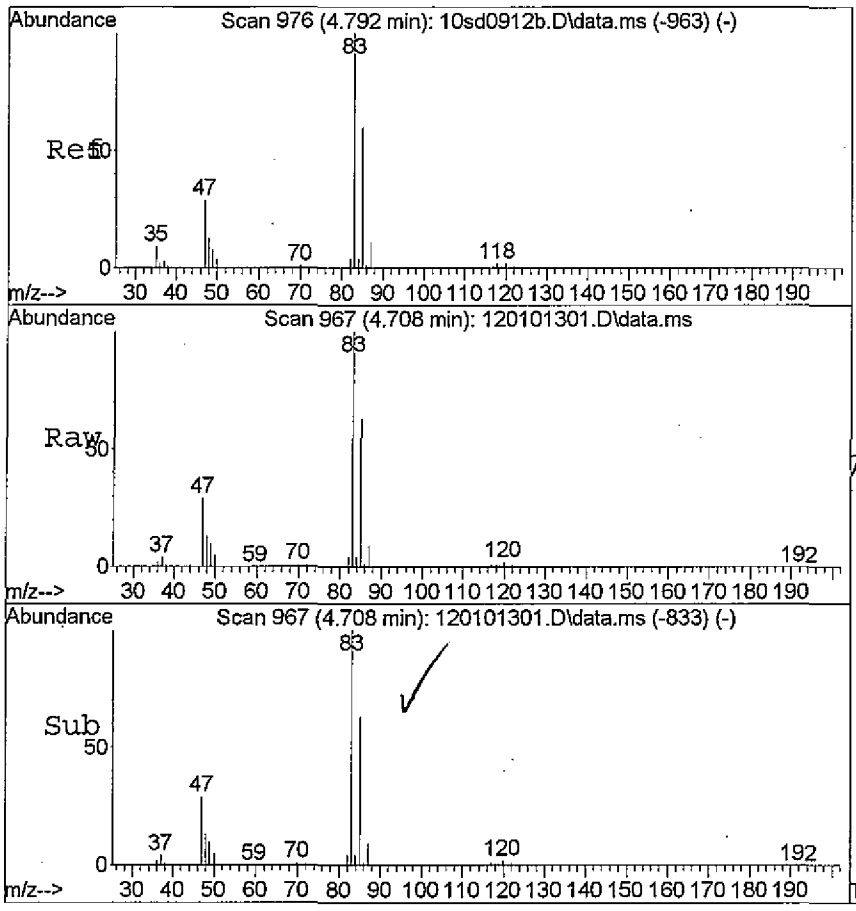


#11
METHYLENE CHLORIDE
Concen: 1.05 ug/L
RT: 2.822 min Scan# 464
Delta R.T. 0.011 min
Lab File: 120101301.D
Acq: 27 Jan 2012 2:48 pm

Tgt Ion: 84 Resp: 27414

Ion	Ratio	Lower	Upper
84	100		
49	163.9	102.1	153.1#
51	51.7	31.0	46.6#
86	63.8	49.2	73.8

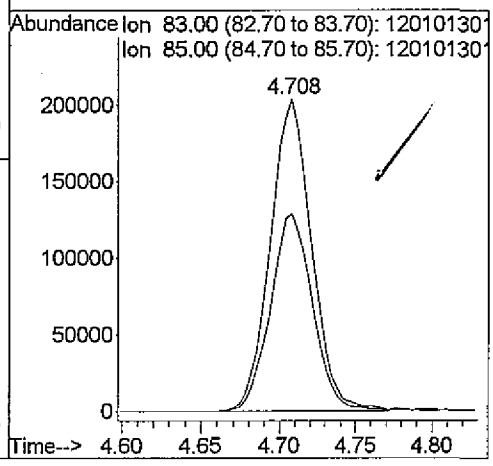


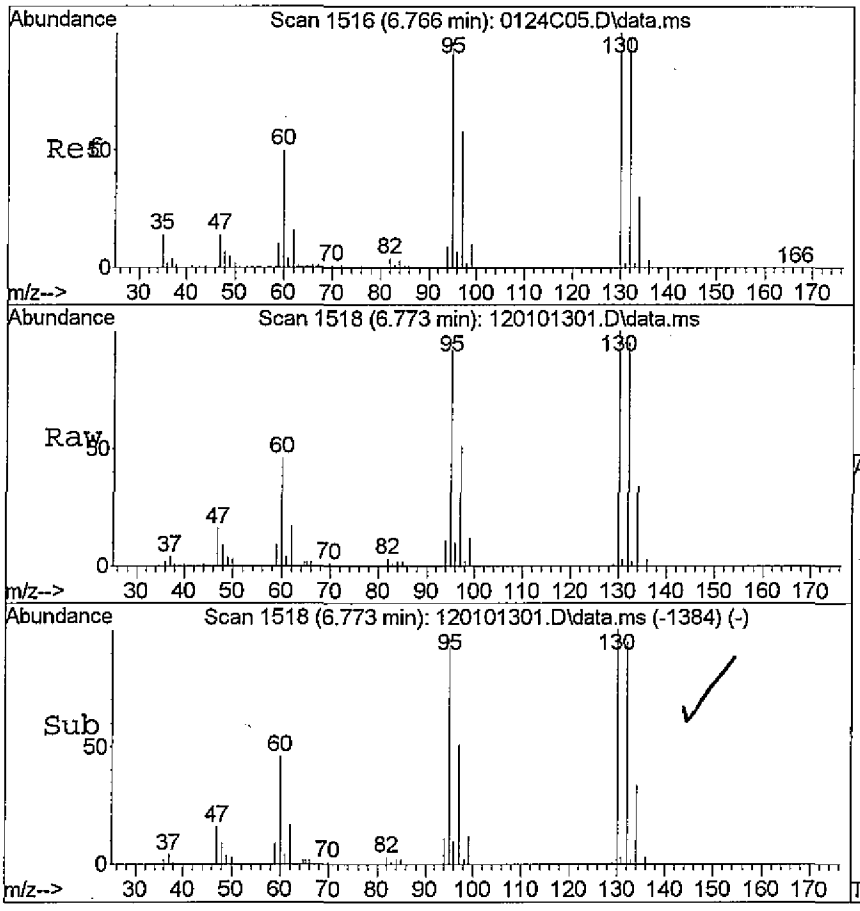


#22
CHLOROFORM
Concen: 7.50 ug/L
RT: 4.708 min Scan# 967
Delta R.T. 0.004 min
Lab File: 120101301.D
Acq: 27 Jan 2012 2:48 pm

Tgt Ion: 83 Resp: 381864

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.3	76.9

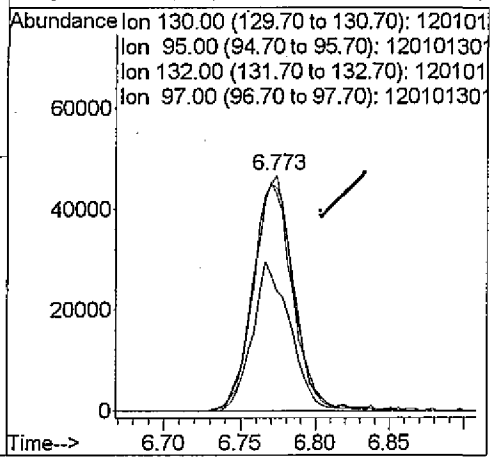


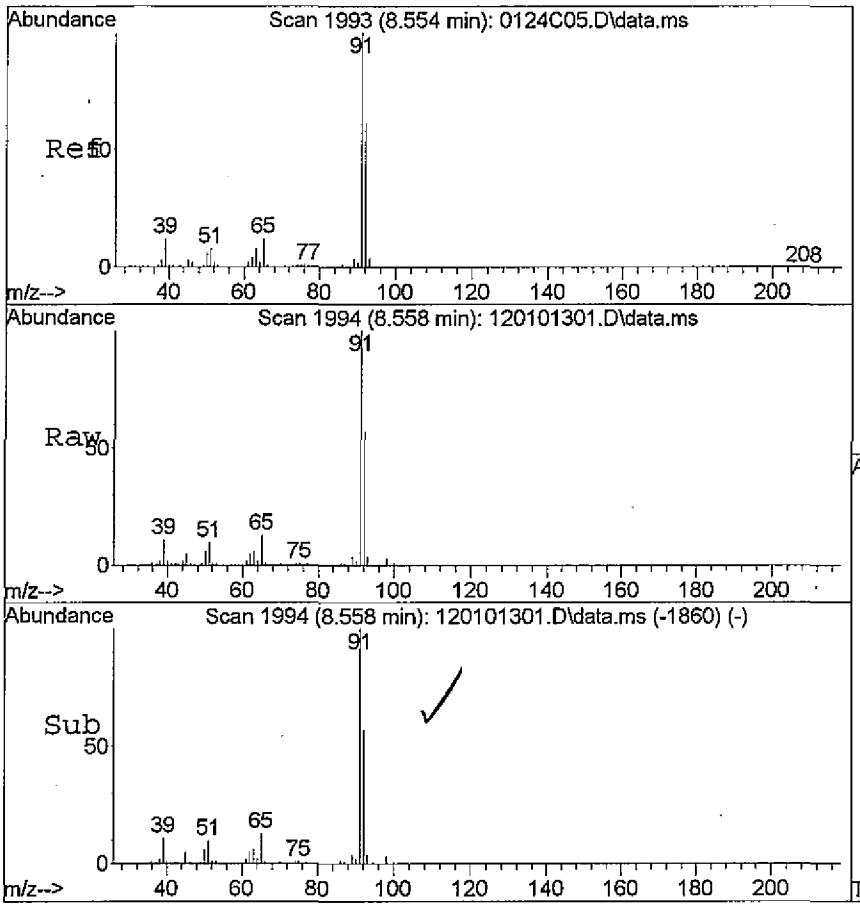


#33
TRICHLOROETHENE
Concen: 2.54 ug/L
RT: 6.773 min Scan# 1518
Delta R.T. 0.004 min
Lab File: 120101301.D
Acq: 27 Jan 2012 2:48 pm

Tgt Ion:130 Resp: 86496

Ion	Ratio	Lower	Upper
130	100		
95	95.2	74.6	111.8
132	97.3	77.6	116.4
97	60.0	48.0	72.0

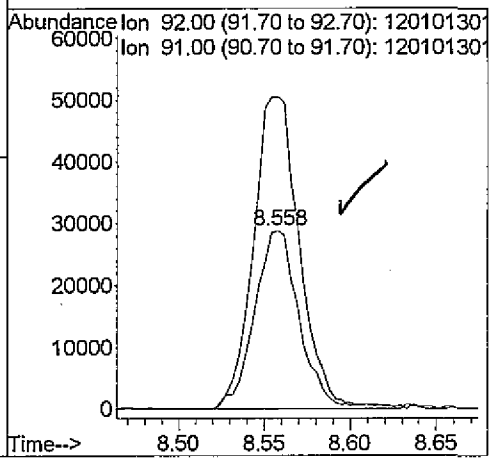


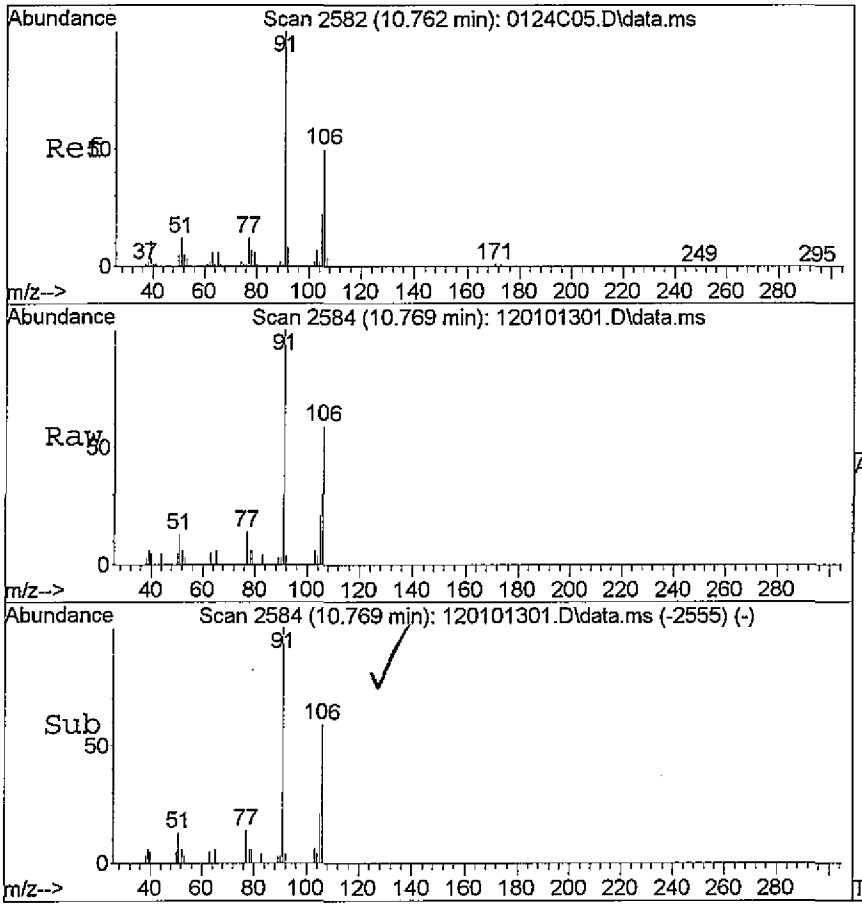


#43
TOLUENE
Concen: 0.60 ug/L
RT: 8.558 min Scan# 1994
Delta R.T. 0.004 min
Lab File: 120101301.D
Acq: 27 Jan 2012 2:48 pm

Tgt Ion: 92 Resp: 52426

Ion	Ratio	Lower	Upper
92	100		
91	177.8	139.3	208.9

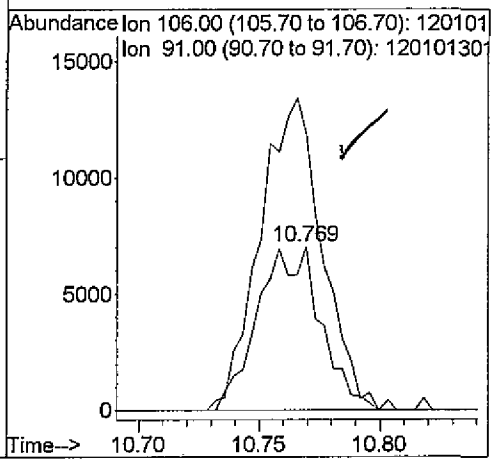


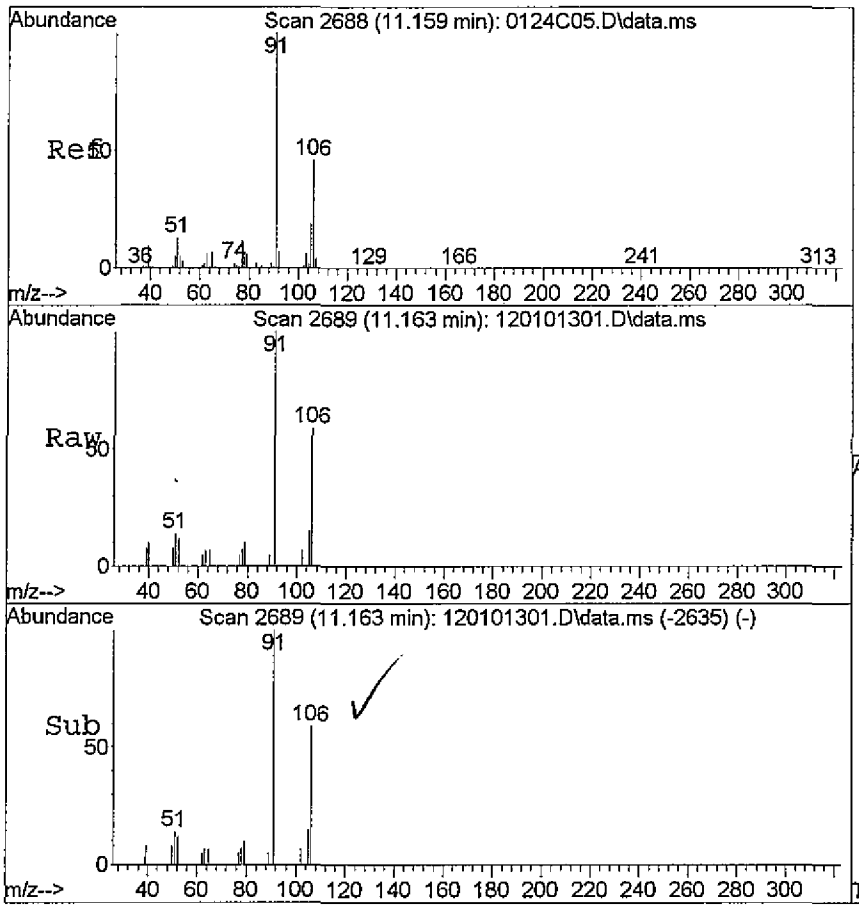


#53
M-XYLENE/P-XYLENE
Concen: 0.21 ug/L
RT: 10.769 min Scan# 2584
Delta R.T. 0.007 min
Lab File: 120101301.D
Acq: 27 Jan 2012 2:48 pm

Tgt Ion:106 Resp: 12682

Ion	Ratio	Lower	Upper
106	100		
91	190.5	164.8	247.2

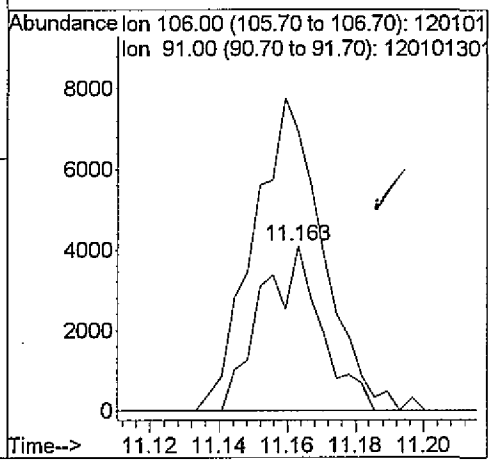


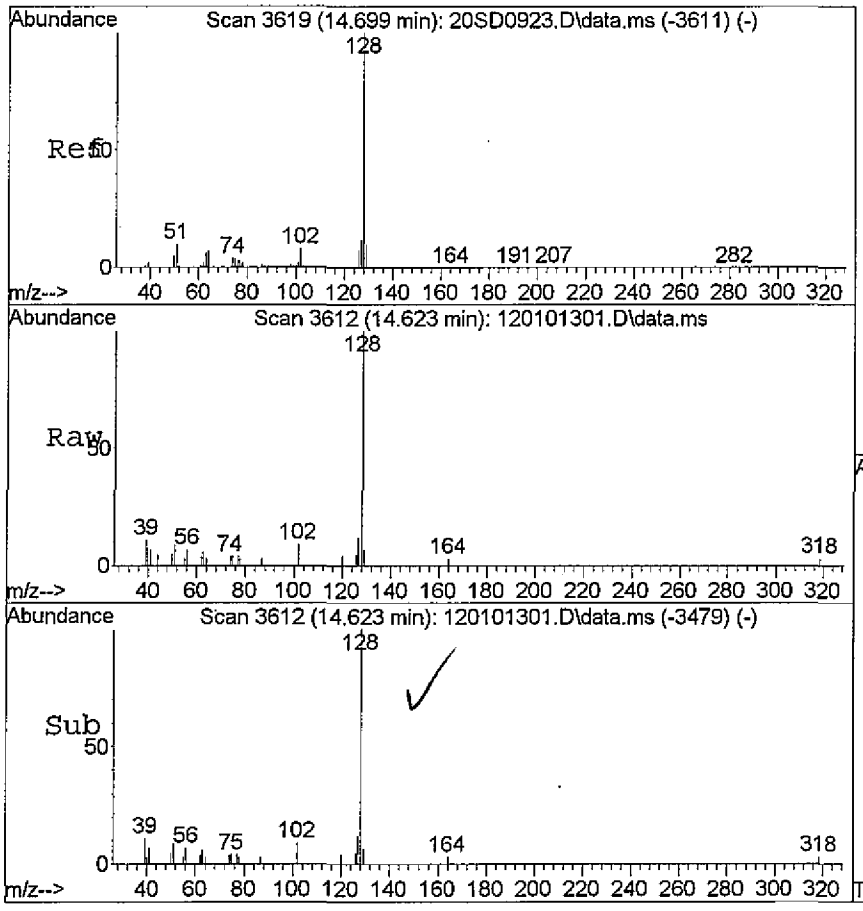


#55
O-XYLENE
Concen: 0.08 ug/L
RT: 11.163 min Scan# 2689
Delta R.T. 0.004 min
Lab File: 120101301.D
Acq: 27 Jan 2012 2:48 pm

Tgt Ion:106 Resp: 5050

Ion	Ratio	Lower	Upper
106	100		
91	219.7	173.3	259.9

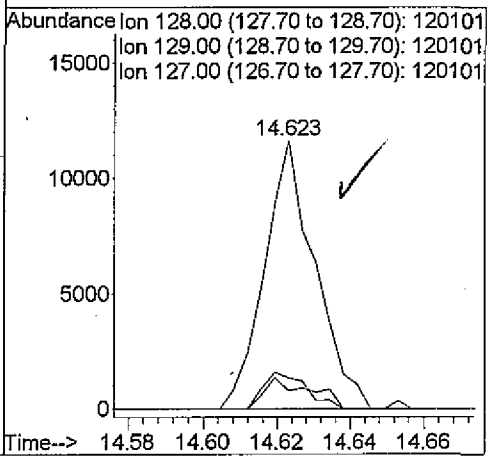




#76
NAPHTHALENE
Concen: 0.31 ug/L
RT: 14.623 min Scan# 3612
Delta R.T. -0.000 min
Lab File: 120101301.D
Acq: 27 Jan 2012 2:48 pm

Tgt Ion:128 Resp: 11113

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.7	13.1
127	11.7	10.2	15.2



LSC Area Percent Report

Data Path : D:\data\01272012\
Data File : 120101301.D
Acq On : 27 Jan 2012 2:48 pm
Operator : SCW OBB-AG5975
Sample : FB01;L
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.822	453	464	482	rBV2	68234	131441	7.91%	1.543%
2	4.704	950	966	985	rBV	530839	1029620	61.94%	12.084%
3	5.349	1126	1138	1155	rBV2	164438	326319	19.63%	3.830%
4	6.380	1400	1413	1435	rBV	653915	1183933	71.22%	13.895%
5	6.770	1505	1517	1538	rBV2	265675	495418	29.80%	5.814%
6	8.475	1960	1972	1985	rBV	968005	1662370	100.00%	19.510%
7	8.554	1985	1993	2012	rVB	126753	244469	14.71%	2.869%
8	10.200	2420	2432	2454	rVB	787889	1334649	80.29%	15.664%
9	10.530	2511	2520	2528	rBV4	11704	18785	1.13%	0.220%
10	10.766	2571	2583	2594	rBV2	39031	69891	4.20%	0.820%
11	11.159	2679	2688	2696	rBV4	19767	29542	1.78%	0.347%
12	11.530	2774	2787	2801	rBV	634107	828065	49.81%	9.718%
13	12.700	3084	3099	3111	rBV	963784	1134592	68.25%	13.316%
14	14.623	3604	3612	3619	rBV4	25501	31557	1.90%	0.370%

Sum of corrected areas: 8520651

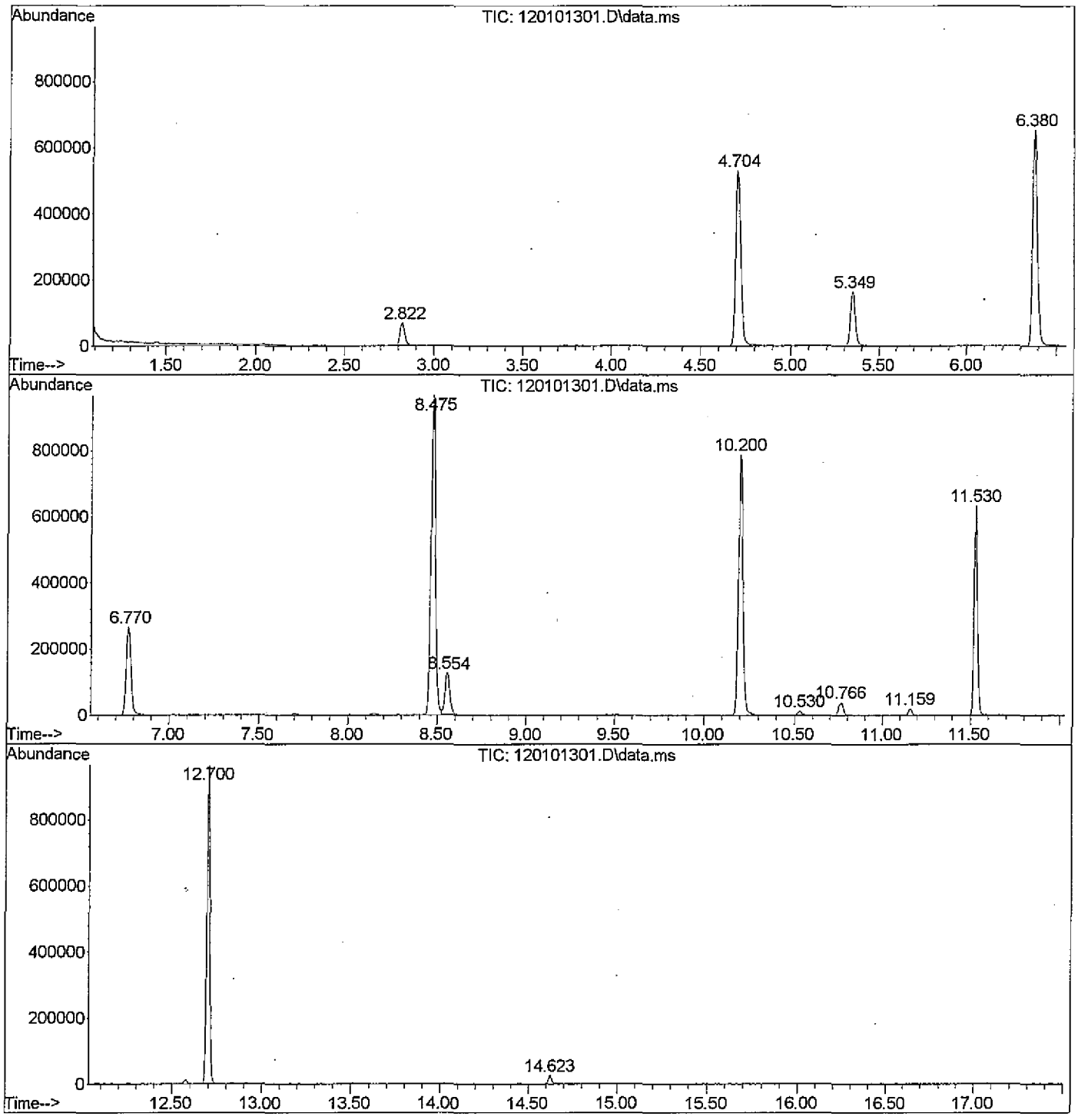
DIM0218843 DIM0219231

LSC Report - Integrated Chromatogram

Data Path : D:\data\01272012\
Data File : 120101301.D
Acq On : 27 Jan 2012 2:48 pm
Operator : SCW OBB-AG5975
Sample : FB01;L
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01272012\
Data File : 120101301.D
Acq On : 27 Jan 2012 2:48 pm
Operator : SCW OBB-AG5975
Sample : FB01;L
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01272012\
Data File : 120101301.D
Acq On : 27 Jan 2012 2:48 pm
Operator : SCW OBB-AG5975
Sample : FB01;L
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

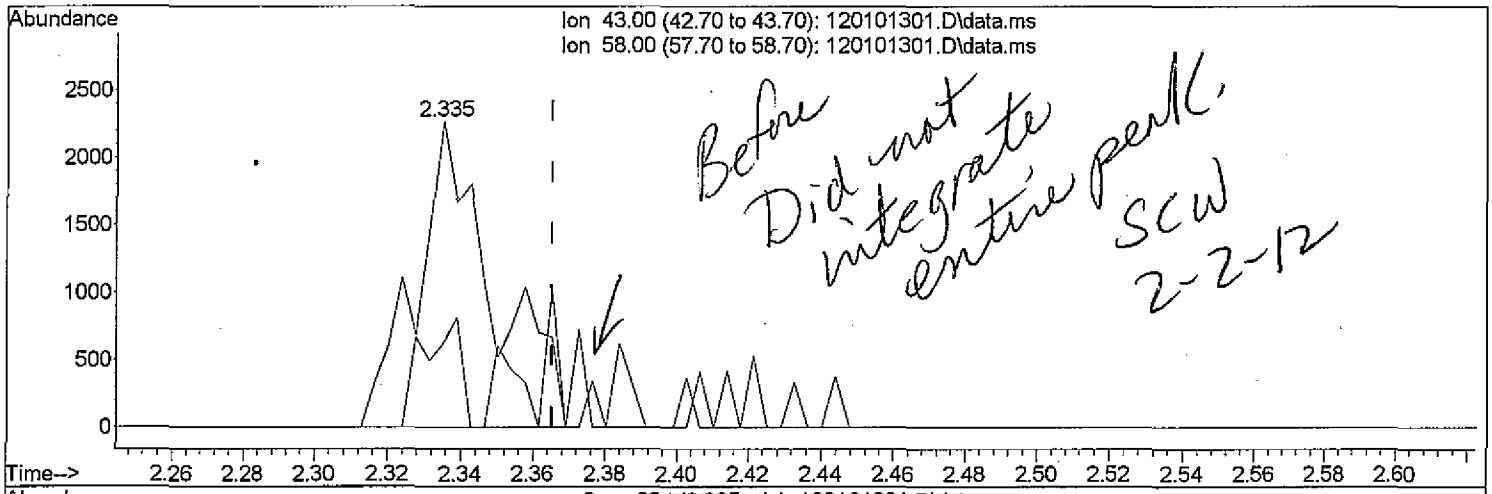
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

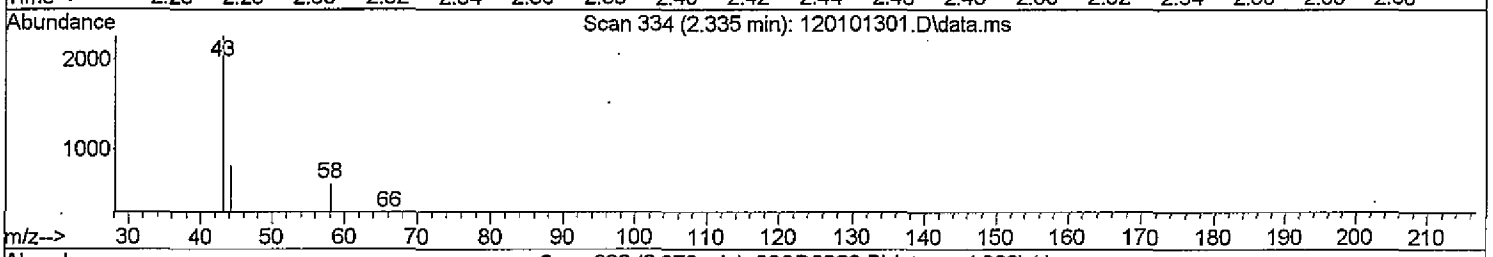
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

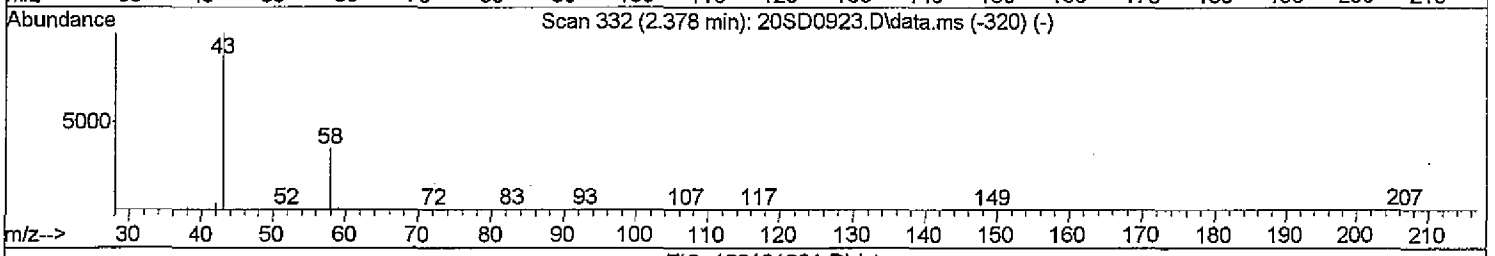
Quantitation Report (Qedit)

Data Path : D:\data\01272012\
Data File : 120101301.D
Acq On : 27 Jan 2012 2:48 pm
Operator : SCW OBB-AG5975
Sample : FB01;L
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 15:16:58 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101301.D\data.ms

(8) ACETONE (TMCP)

2.335min (-0.030) 0.76ug/L

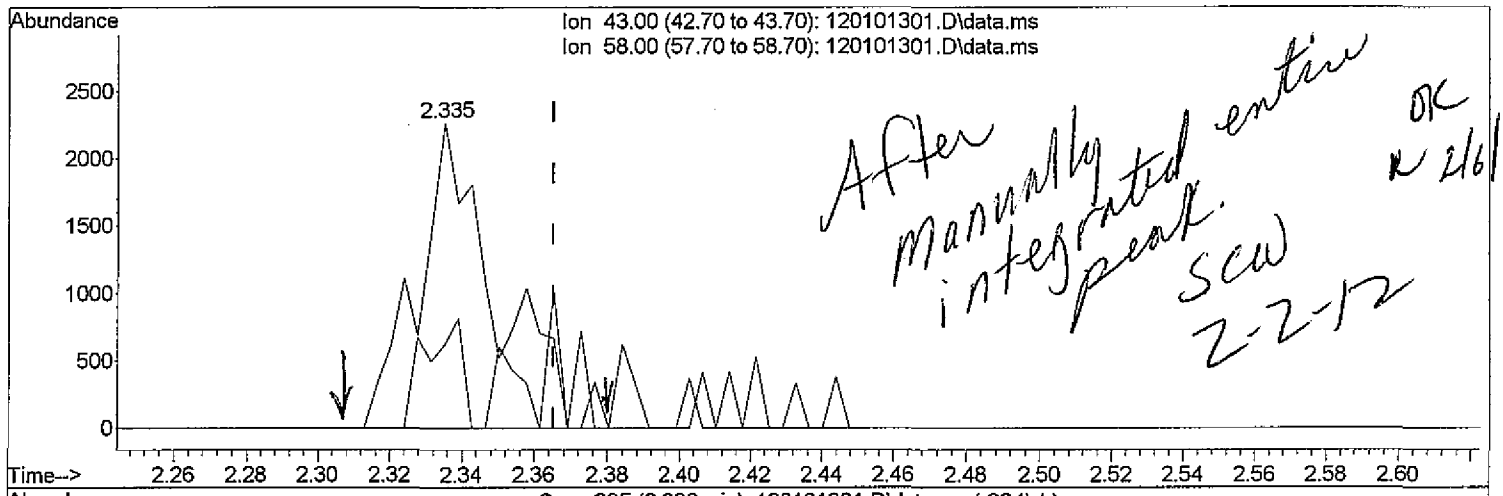
response 3298

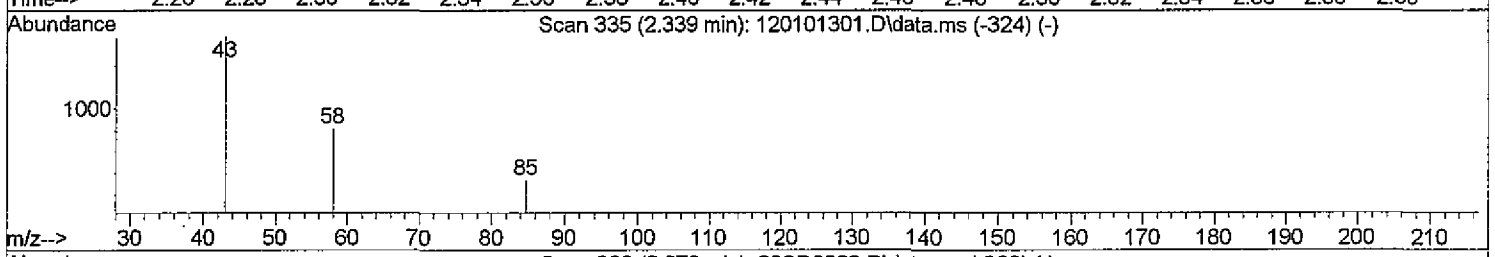
Ion	Exp%	Act%
43.00	100	100
58.00	28.10	17.77#
0.00	0.00	0.00
0.00	0.00	0.00

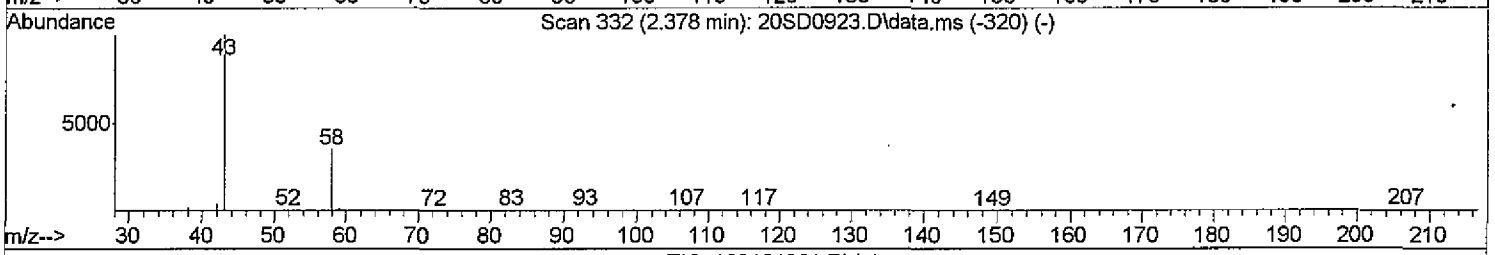
Quantitation Report (Qedit)

Data Path : D:\data\01272012\
Data File : 120101301.D
Acq On : 27 Jan 2012 2:48 pm
Operator : SCW OBB-AG5975
Sample : FB01;L
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 15:16:58 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101301.D\data.ms

(8) ACETONE (TMCP)

2.335min (-0.030) 0.77ug/L m

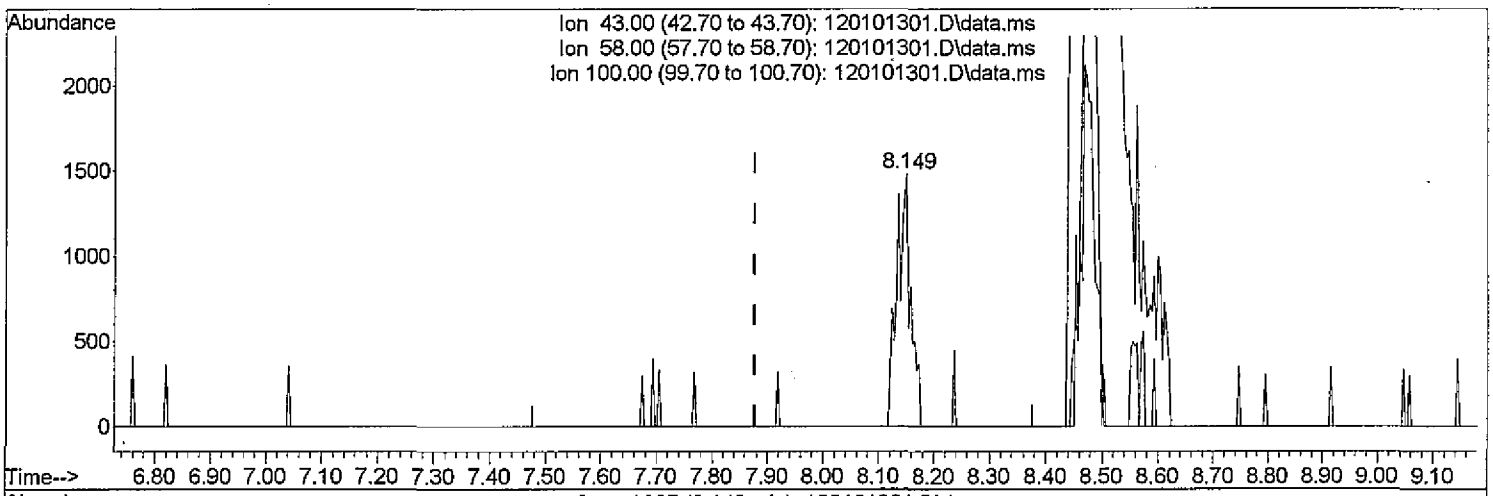
response 3375

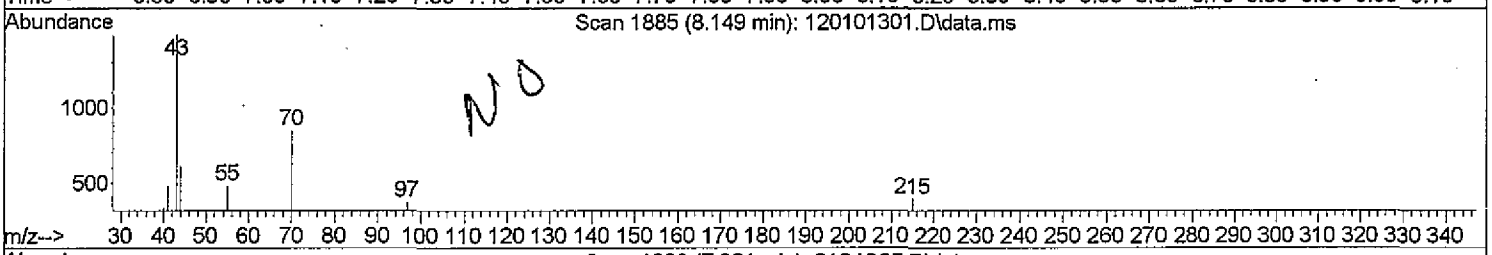
Ion	Exp%	Act%
43.00	100	100
58.00	28.10	17.36#
0.00	0.00	0.00
0.00	0.00	0.00

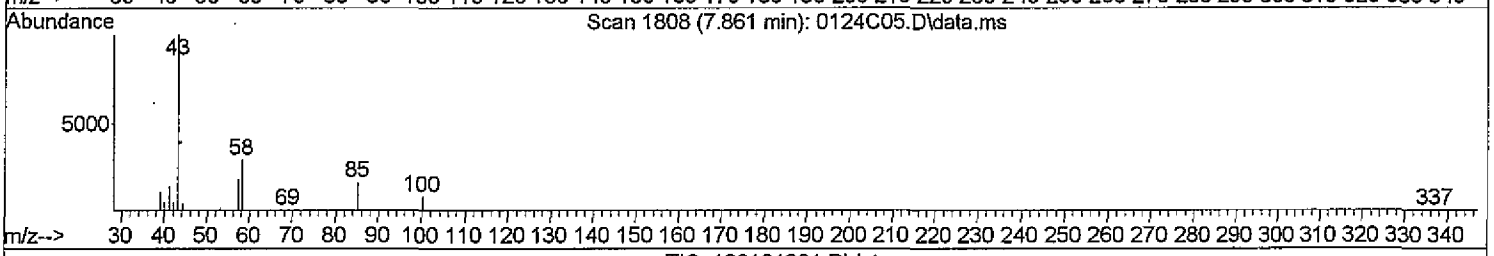
Quantitation Report (Qedit)

Data Path : D:\data\01272012\
Data File : 120101301.D
Acq On : 27 Jan 2012 2:48 pm
Operator : SCW OBB-AG5975
Sample : FB01;L
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 15:16:58 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101301.D\data.ms

(39) 4-METHYL-2-PENTANONE (TMCP)

8.149min (+0.274) 0.28ug/L

response 2564

Ion	Exp%	Act%
43.00	100	100
58.00	36.60	0.00#
100.00	12.60	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 120101303.D
Acq On : 27 Jan 2012 4:10 pm
Operator : SCW OBB-AG5975
Sample : HW19;P
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 30 09:27:16 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	535292	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	439467	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	180122	4.00 ug/L	0.00

System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	124706	4.35 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 108.75%	
42) TOLUENE-d8	8.475	98	622727	3.94 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 98.50%	
60) 4-BROMOFLUOROBENZENE	11.530	95	165763	3.82 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 95.50%	

Target Compounds	Qvalue

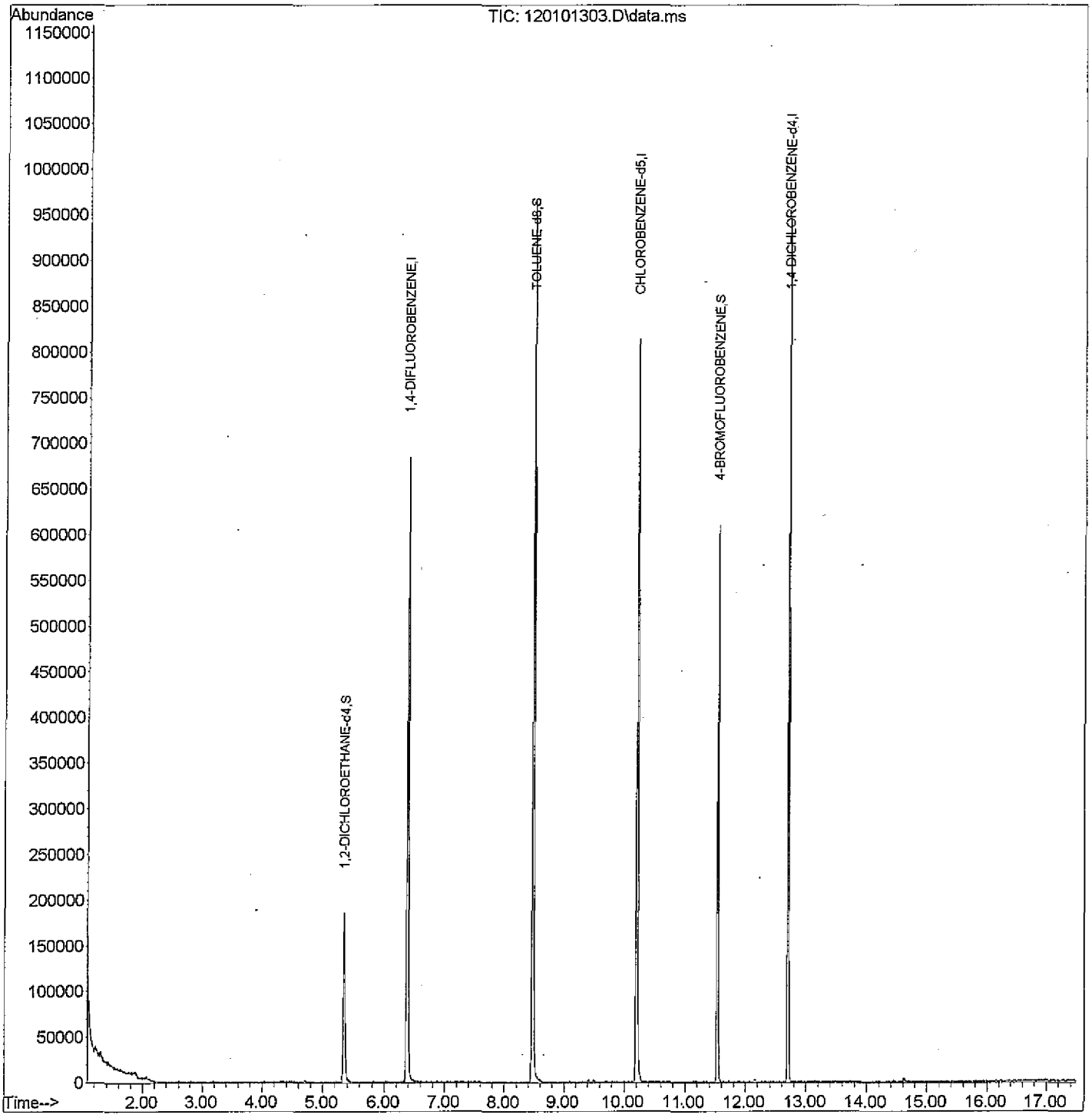
(#) = qualifier out of range (m) = manual integration (+) = signals summed

No TICs

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 120101303.D
Acq On : 27 Jan 2012 4:10 pm
Operator : SCW OBB-AG5975
Sample : HW19;P
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 30 09:27:16 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration



LSC Area Percent Report

Data Path : D:\data\01272012\
Data File : 120101303.D
Acq On : 27 Jan 2012 4:10 pm
Operator : SCW OBB-AG5975
Sample : HW19;P
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.349	1125	1138	1156	rBV2	186119	356701	21.03%	5.373%
2	6.380	1401	1413	1427	rBV	684164	1215323	71.65%	18.307%
3	8.475	1955	1972	1992	rBV	964980	1696174	100.00%	25.550%
4	10.200	2417	2432	2456	rBV	814486	1375917	81.12%	20.726%
5	11.530	2777	2787	2805	rVB	611138	830652	48.97%	12.513%
6	12.700	3088	3099	3114	rBV	960428	1163798	68.61%	17.531%

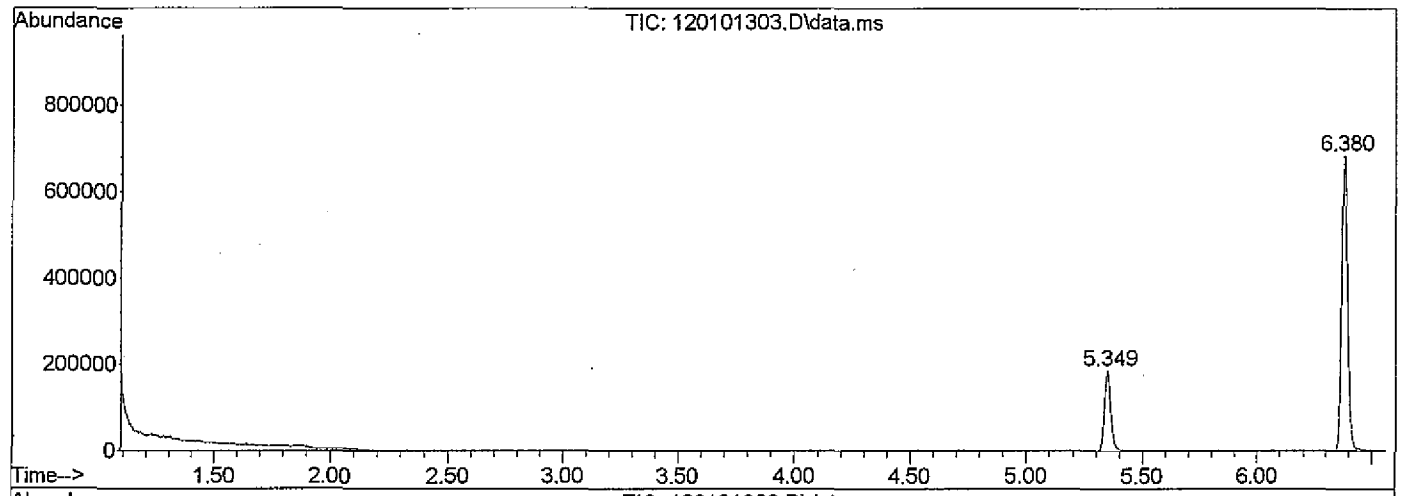
Sum of corrected areas: 6638565

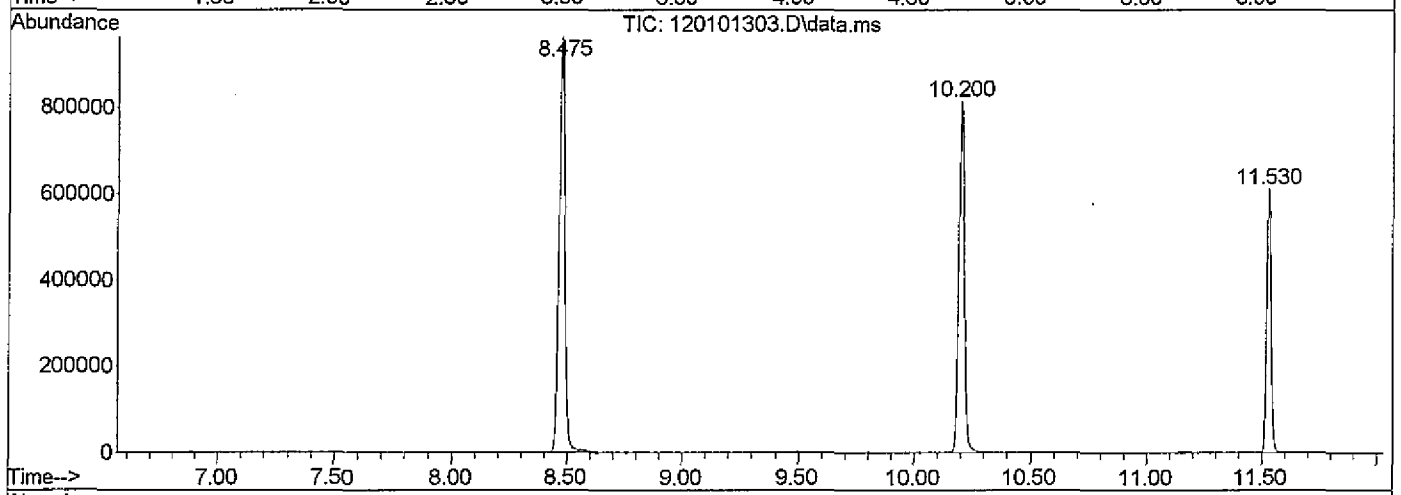
LSC Report - Integrated Chromatogram

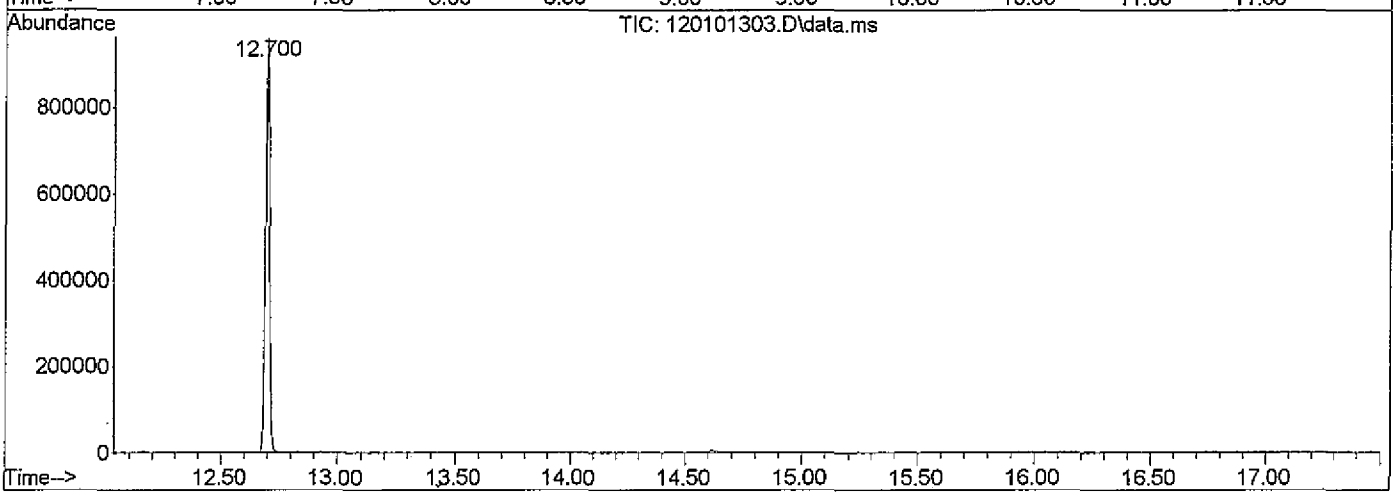
Data Path : D:\data\01272012\
Data File : 120101303.D
Acq On : 27 Jan 2012 4:10 pm
Operator : SCW OBB-AG5975
Sample : HW19;P
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Data Path : D:\data\01272012\
Data File : 120101303.D
Acq On : 27 Jan 2012 4:10 pm
Operator : SCW OBB-AG5975
Sample : HW19;P
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01272012\
Data File : 120101303.D
Acq On : 27 Jan 2012 4:10 pm
Operator : SCW OBB-AG5975
Sample : HW19;P
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

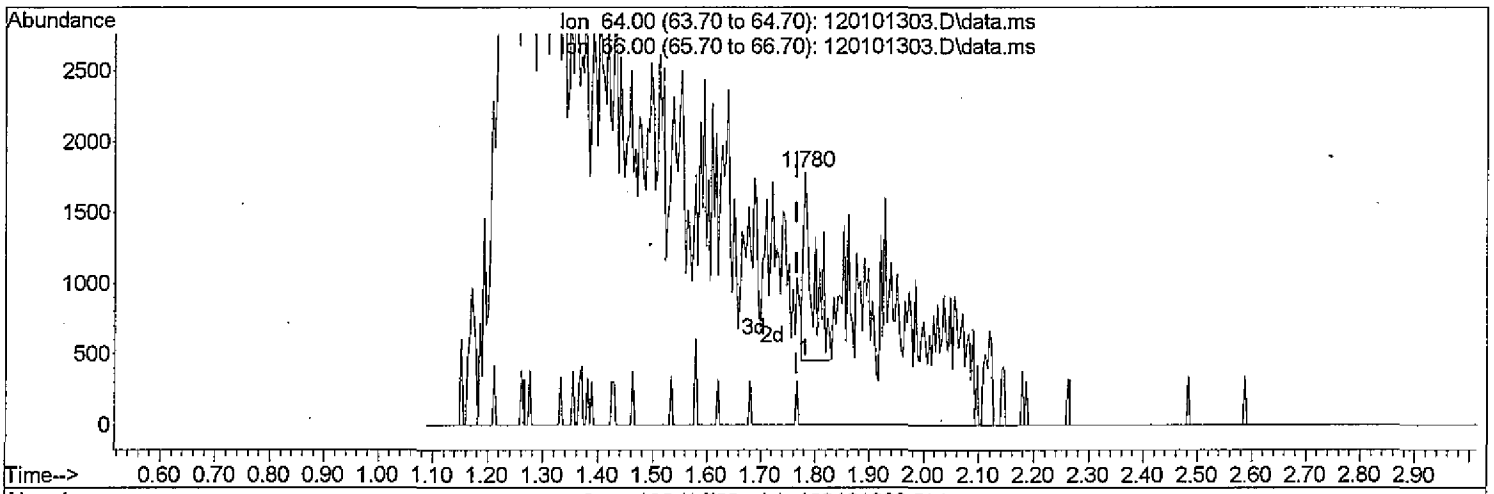
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

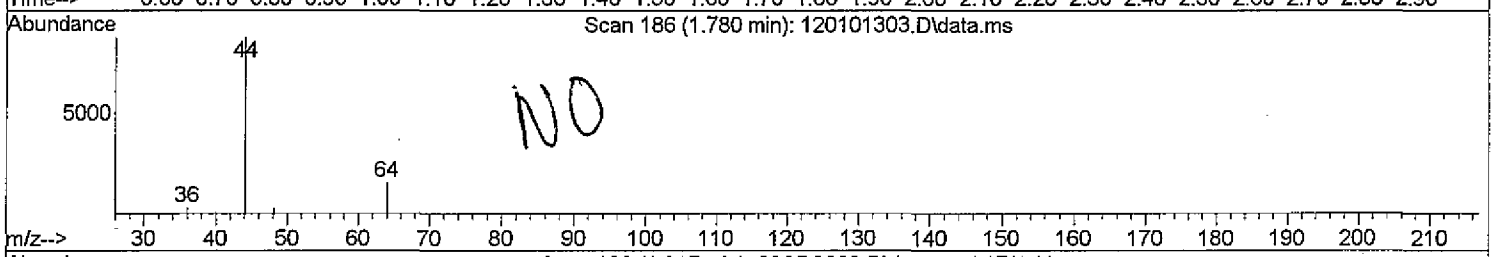
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

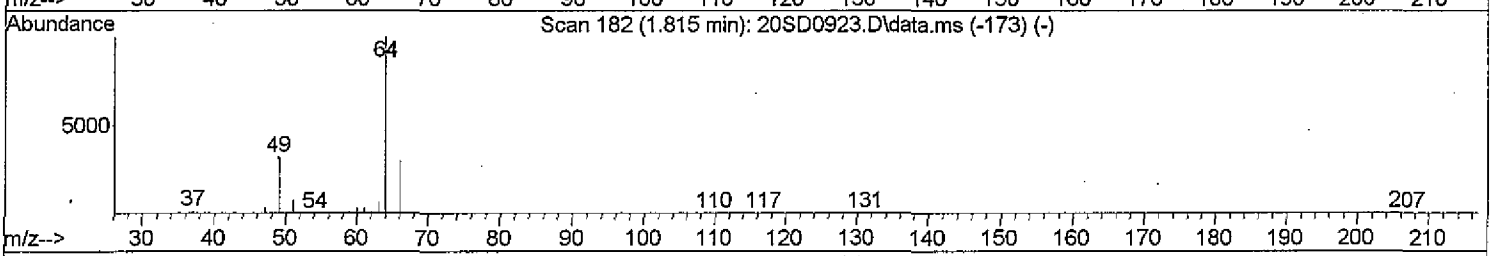
Quantitation Report (Qedit)

Data Path : D:\data\01272012\
Data File : 120101303.D
Acq On : 27 Jan 2012 4:10 pm
Operator : SCW OBB-AG5975
Sample : HW19;P
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 27 17:14:35 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101303.D\data.ms

(6) CHLOROETHANE (TMCP)

1.780min (+0.015) 0.05ug/L

response 1722

Ion	Exp%	Act%
64.00	100	100
66.00	31.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 120101305.D
Acq On : 27 Jan 2012 4:37 pm
Operator : SCW OBB-AG5975
Sample : HW19P; O
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 30 09:28:34 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	506830	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.203	117	424762	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	179098	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	114300	4.21 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 105.25%	
42) TOLUENE-d8	8.472	98	608060	3.98 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 99.50%	
60) 4-BROMOFLUOROBENZENE	11.530	95	163997	3.80 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 95.00%	
Target Compounds					Qvalue
8) ACETONE	2.328	43	1251	0.29 ug/L	#J,B 47

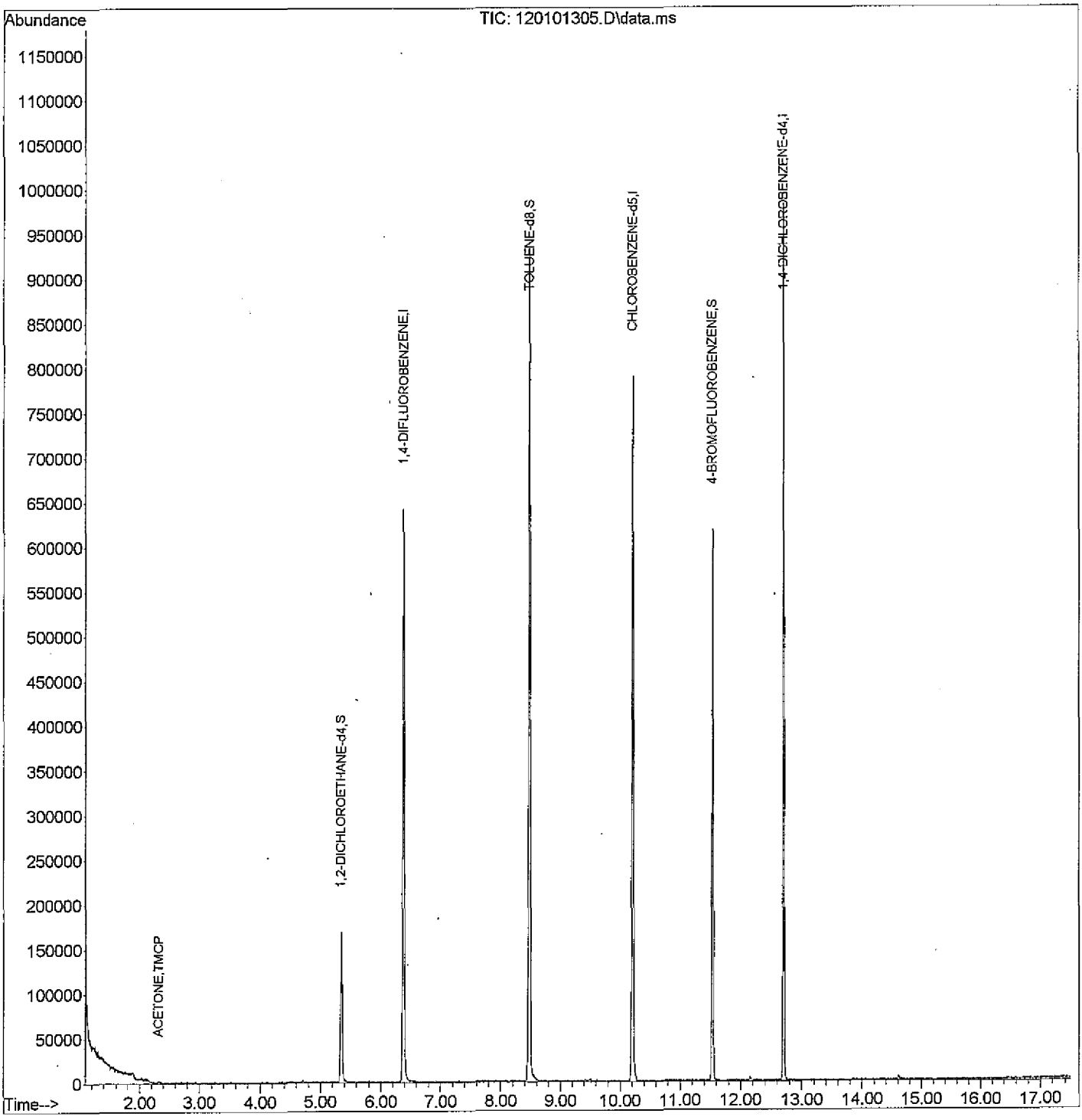
(#) = qualifier out of range (m) = manual integration (+) = signals summed

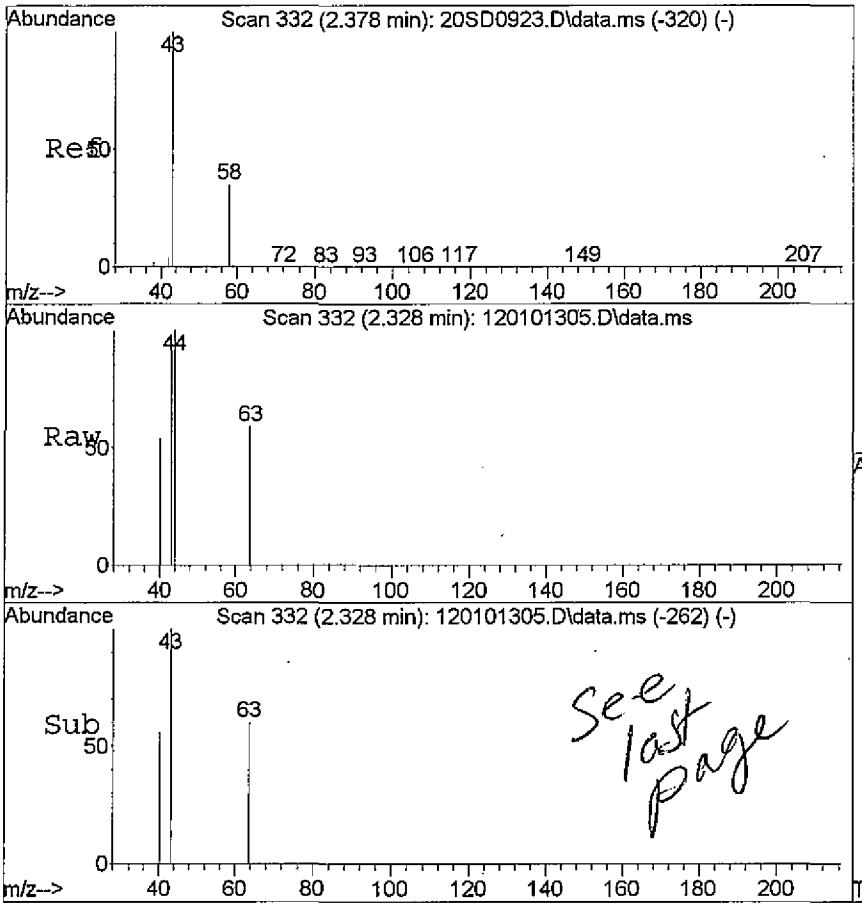
No TICs

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 120101305.D
Acq On : 27 Jan 2012 4:37 pm
Operator : SCW OBB-AG5975
Sample : HW19P; O
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 30 09:28:34 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration



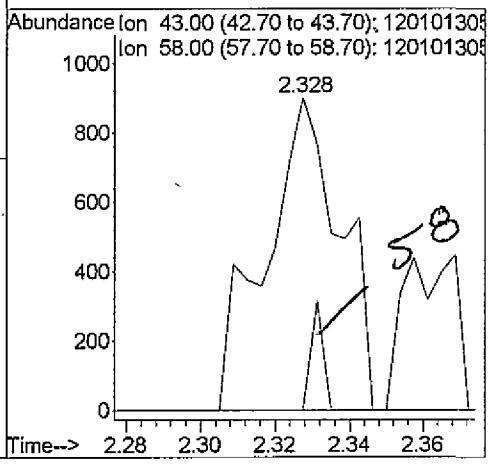


See last page

#8
ACETONE
Concen: 0.29 ug/L
RT: 2.328 min Scan# 332
Delta R.T. -0.038 min
Lab File: 120101305.D
Acq: 27 Jan 2012 4:37 pm

Tgt Ion: 43 Resp: 1251

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#



LSC Area Percent Report

Data Path : D:\data\01272012\
Data File : 120101305.D
Acq On : 27 Jan 2012 4:37 pm
Operator : SCW OBB-AG5975
Sample : HW19P; O
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.341	1125	1136	1152	rBV2	168527	331554	20.10%	5.147%
2	6.380	1400	1413	1439	rBV2	641975	1169042	70.88%	18.146%
3	8.475	1957	1972	1990	rBV	945222	1649430	100.00%	25.603%
4	10.203	2419	2433	2456	rVB	790108	1332330	80.78%	20.681%
5	11.530	2777	2787	2802	rBV	618496	818467	49.62%	12.705%
6	12.700	3089	3099	3115	rBV	983032	1141458	69.20%	17.718%

Sum of corrected areas: 6442281

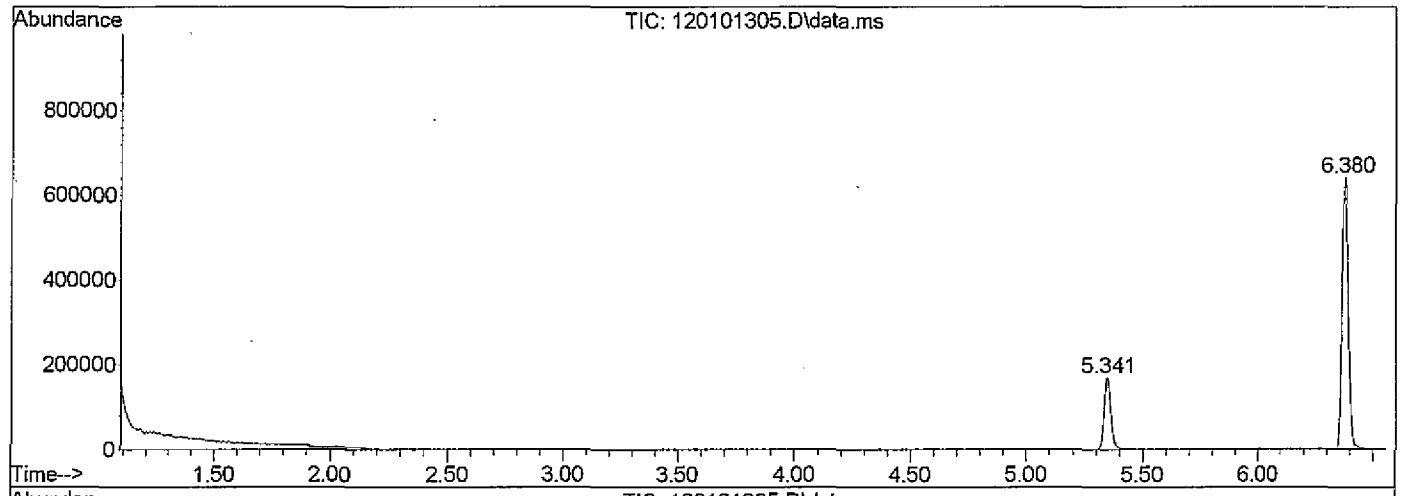
DIM0218843 DIM0219248

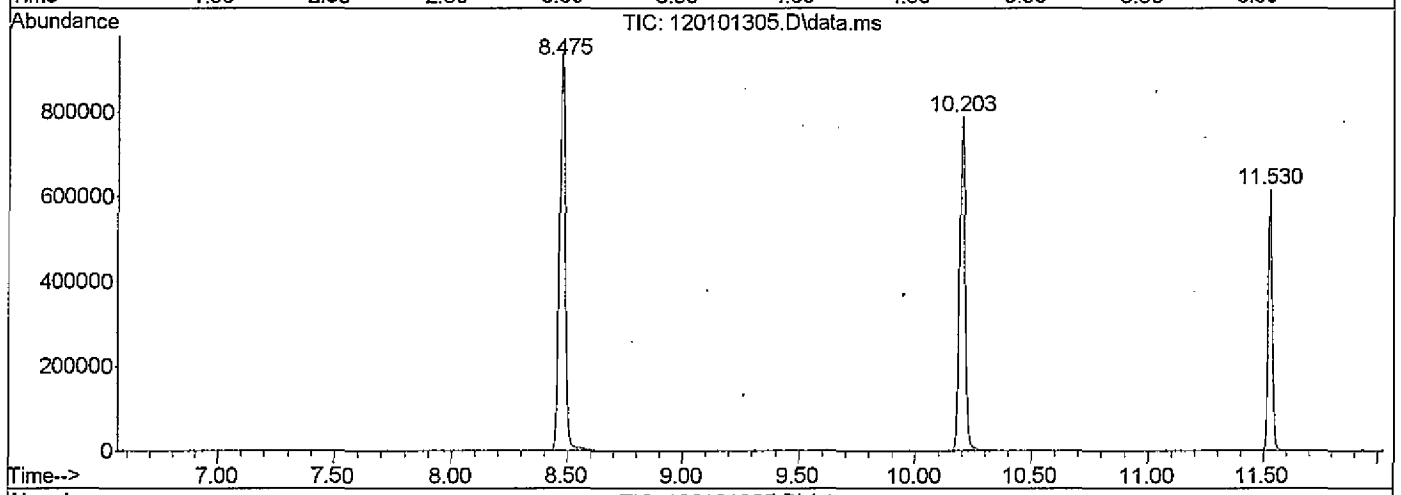
LSC Report - Integrated Chromatogram

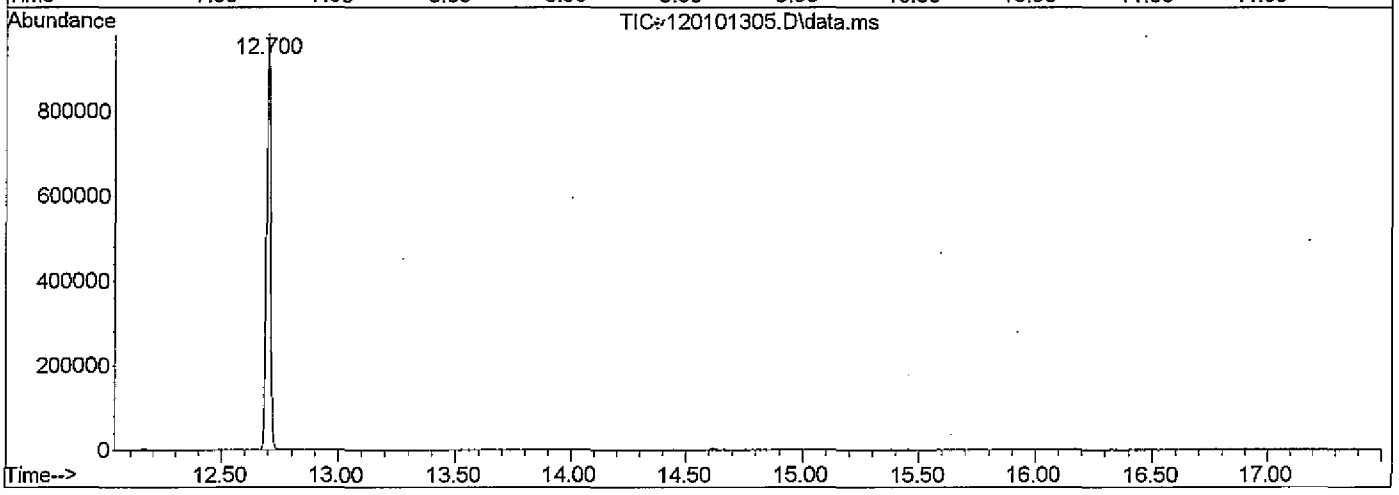
Data Path : D:\data\01272012\
Data File : 120101305.D
Acq On : 27 Jan 2012 4:37 pm
Operator : SCW OBB-AG5975
Sample : HW19P; O
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Data Path : D:\data\01272012\
Data File : 120101305.D
Acq On : 27 Jan 2012 4:37 pm
Operator : SCW OBB-AG5975
Sample : HW19P; O
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01272012\
Data File : 120101305.D
Acq On : 27 Jan 2012 4:37 pm
Operator : SCW OBB-AG5975
Sample : HW19P; O
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

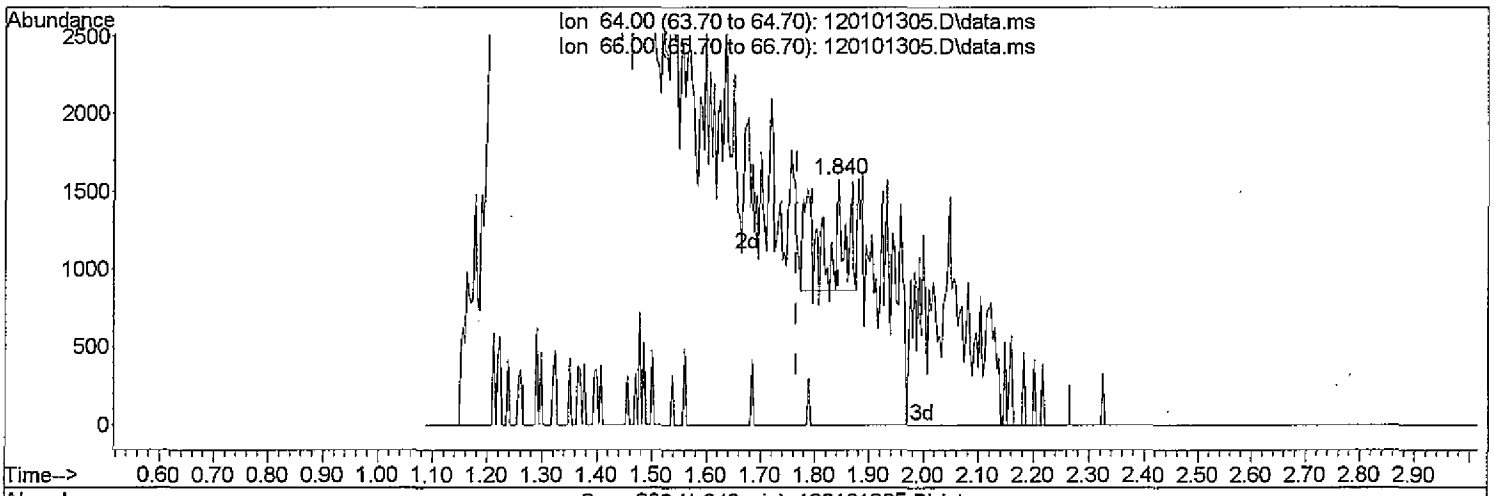
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

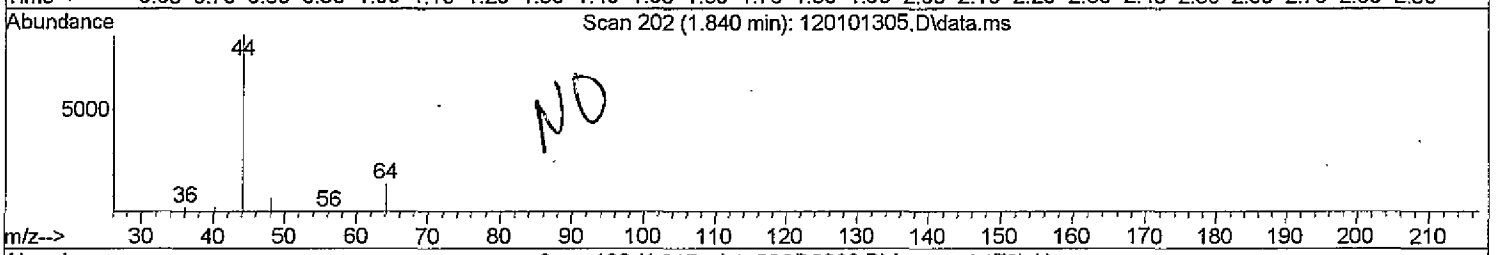
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

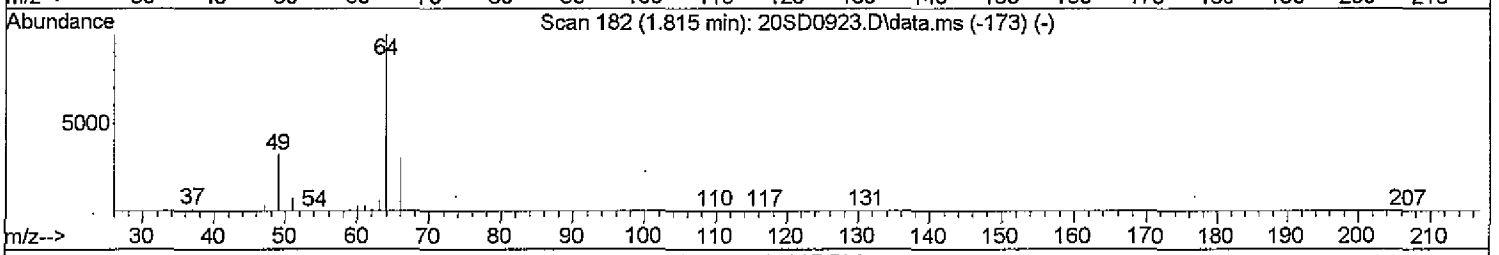
Quantitation Report (Qedit)

Data Path : D:\data\01272012\
Data File : 120101305.D
Acq On : 27 Jan 2012 4:37 pm
Operator : SCW OBB-AG5975
Sample : HW19P; O
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 27 17:14:56 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101305.D\data.ms

(6) CHLOROETHANE (TMCP)

1.840min (+0.075) 0.06ug/L

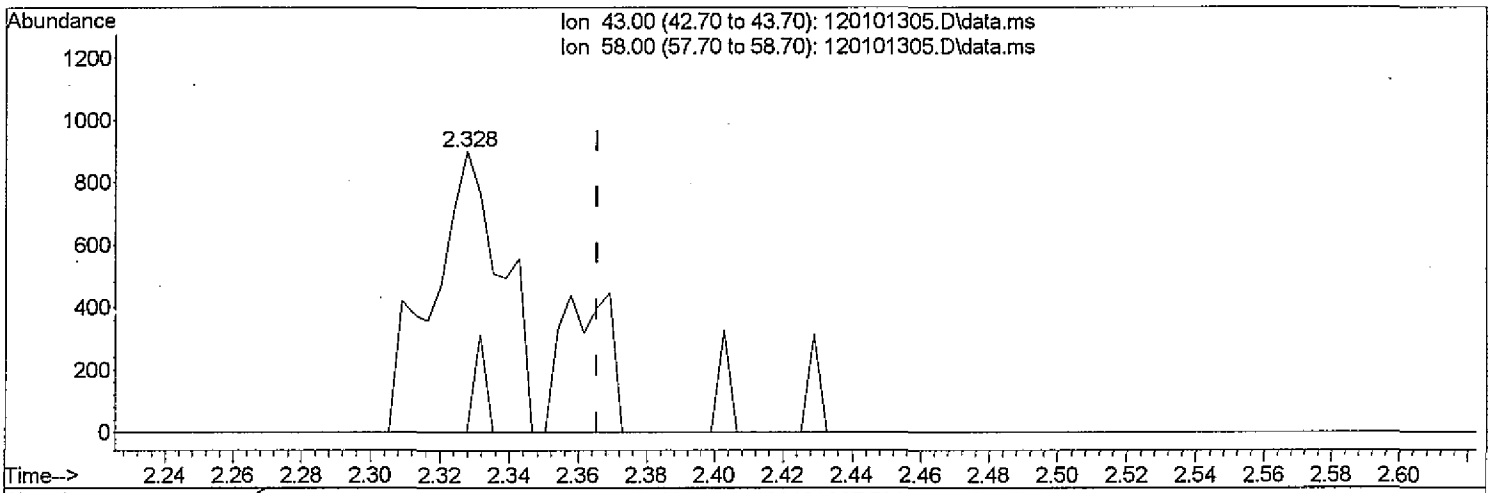
response 1877

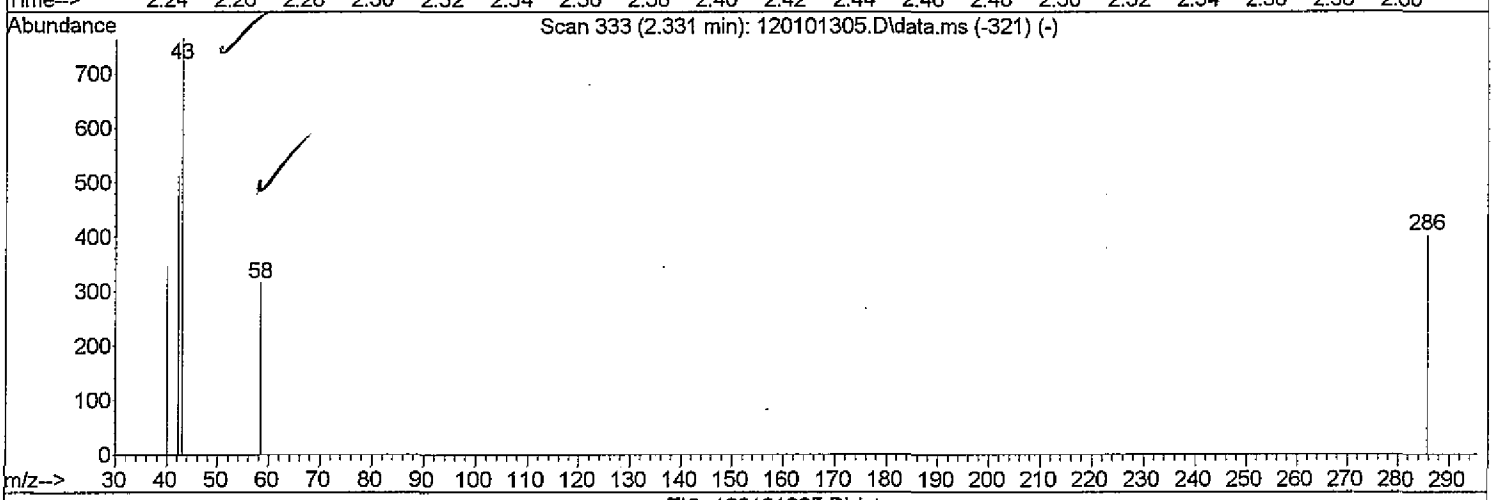
Ion	Exp%	Act%
64.00	100	100
66.00	31.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\data\01272012\
Data File : 120101305.D
Acq On : 27 Jan 2012 4:37 pm
Operator : SCW OBB-AG5975
Sample : HW19P; O
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 30 09:28:34 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration





TIC: 120101305.D\data.ms

(8) ACETONE (TMCP)

2.328min (-0.038) 0.29ug/L

response 1251

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 120101307.D
Acq On : 27 Jan 2012 3:16 pm
Operator : SCW OBB-AG5975
Sample : FB02; O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 27 15:42:15 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	537843	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.203	117	444404	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	180006	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	122159	4.24 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 106.00%	
42) TOLUENE-d8	8.475	98	627505	3.93 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 98.25%	
60) 4-BROMOFLUOROBENZENE	11.534	95	170002	3.92 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 98.00%	
Target Compounds					Qvalue
8) ACETONE	2.335	43	4248m	0.92 ug/L J	
11) METHYLENE CHLORIDE	2.819	84	26317	0.96 ug/L #	75
22) CHLOROFORM	4.708	83	407327	7.59 ug/L	99
33) TRICHLOROETHENE	6.773	130	55218	1.54 ug/L	96
34) BROMODICHLOROMETHANE	6.822	83	1748	0.06 ug/L # J	26
43) TOLUENE	8.554	92	50823	0.56 ug/L	100
53) M-XYLENE/P-XYLENE	10.762	106	11379	0.18 ug/L J	88
55) O-XYLENE	11.159	106	4886	0.07 ug/L J	93
76) NAPHTHALENE	14.623	128	10599	0.29 ug/L J	97

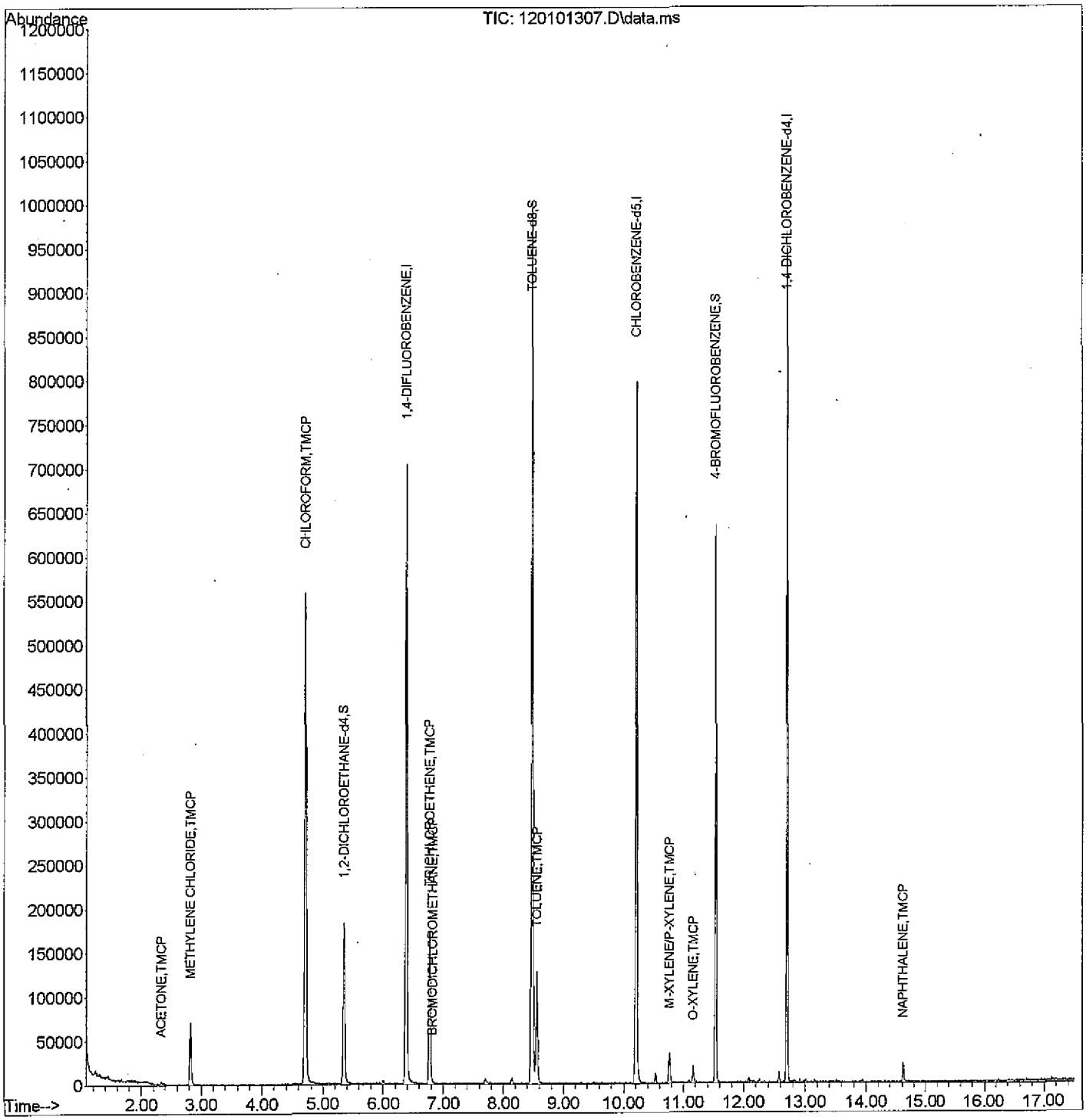
(#) = qualifier out of range (m) = manual integration (+) = signals summed

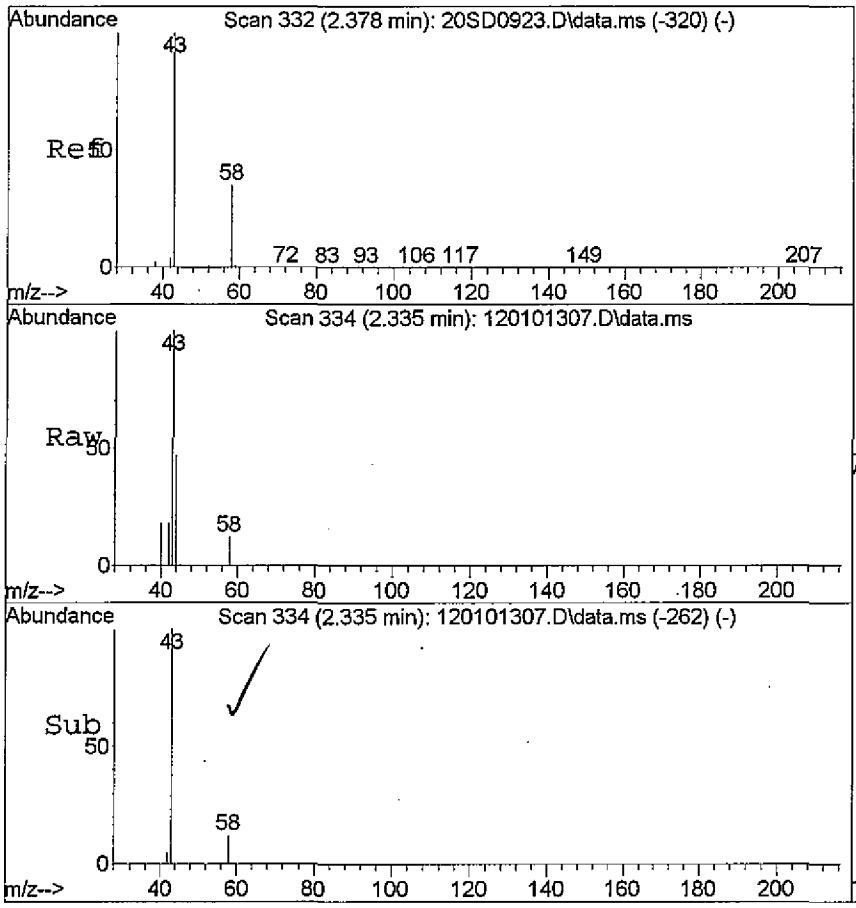
No TICs

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 120101307.D
Acq On : 27 Jan 2012 3:16 pm
Operator : SCW OBB-AG5975
Sample : FB02; O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 27 15:42:15 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

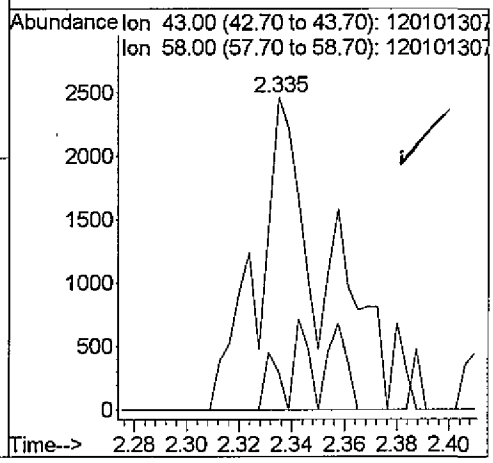


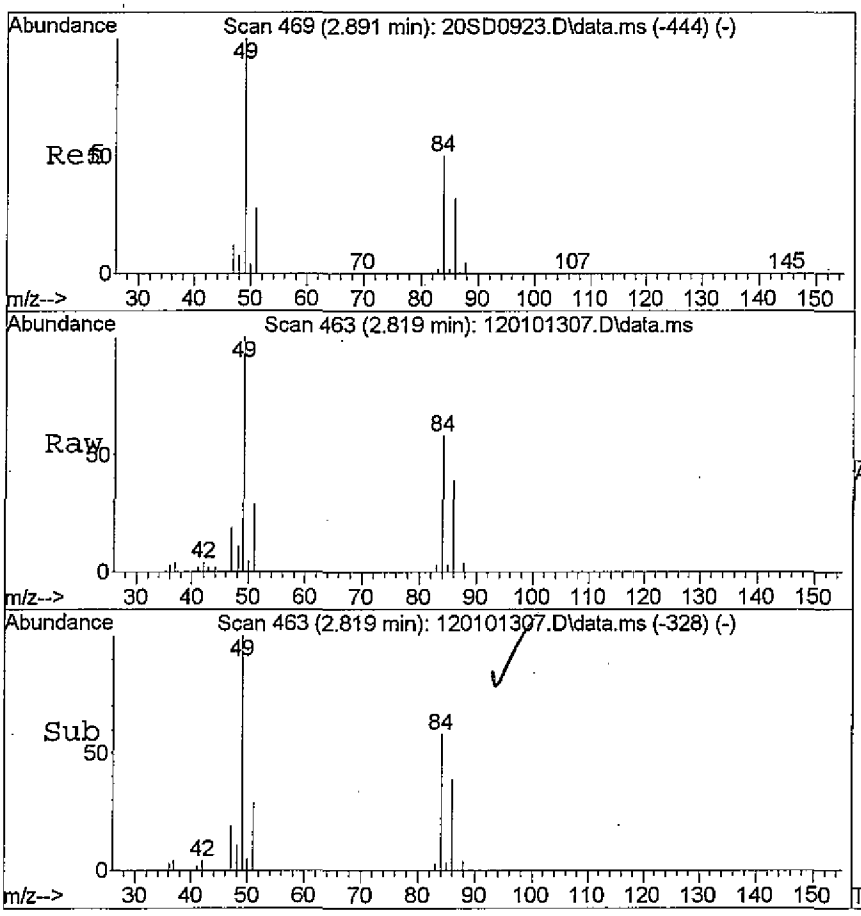


#8
ACETONE
Concen: 0.92 ug/L m
RT: 2.335 min Scan# 334
Delta R.T. -0.030 min
Lab File: 120101307.D
Acq: 27 Jan 2012 3:16 pm

Tgt Ion: 43 Resp: 4248

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#

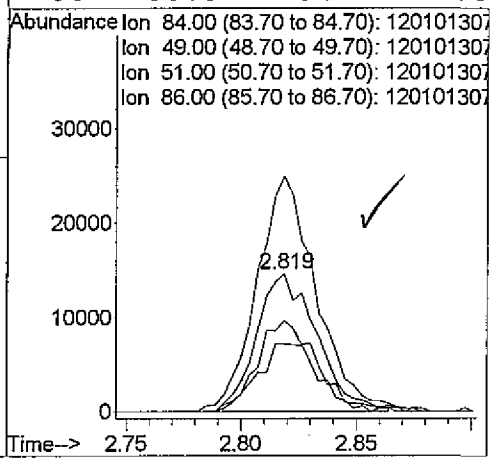


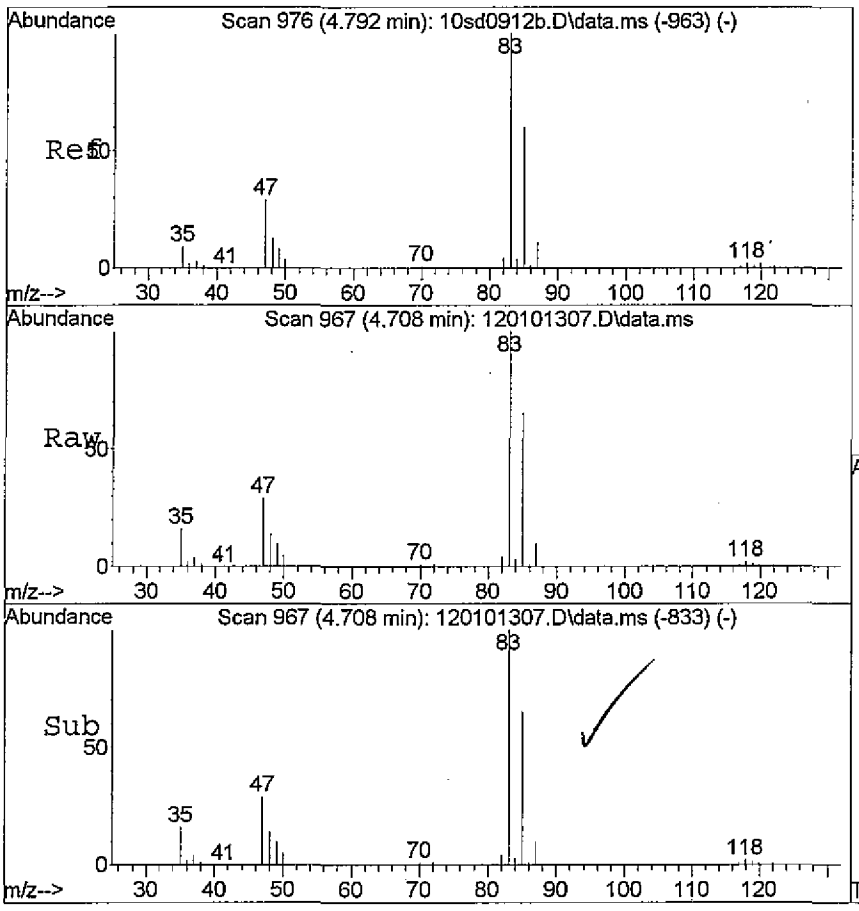


#11
METHYLENE CHLORIDE
Concen: 0.96 ug/L
RT: 2.819 min Scan# 463
Delta R.T. 0.007 min
Lab File: 120101307.D
Acq: 27 Jan 2012 3:16 pm

Tgt Ion: 84 Resp: 26317

Ion	Ratio	Lower	Upper
84	100		
49	168.6	102.1	153.1#
51	49.8	31.0	46.6#
86	66.3	49.2	73.8

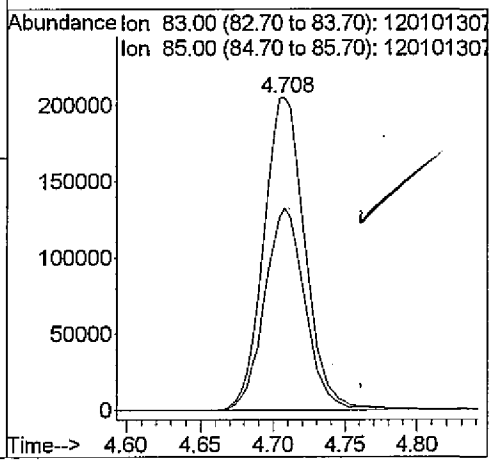


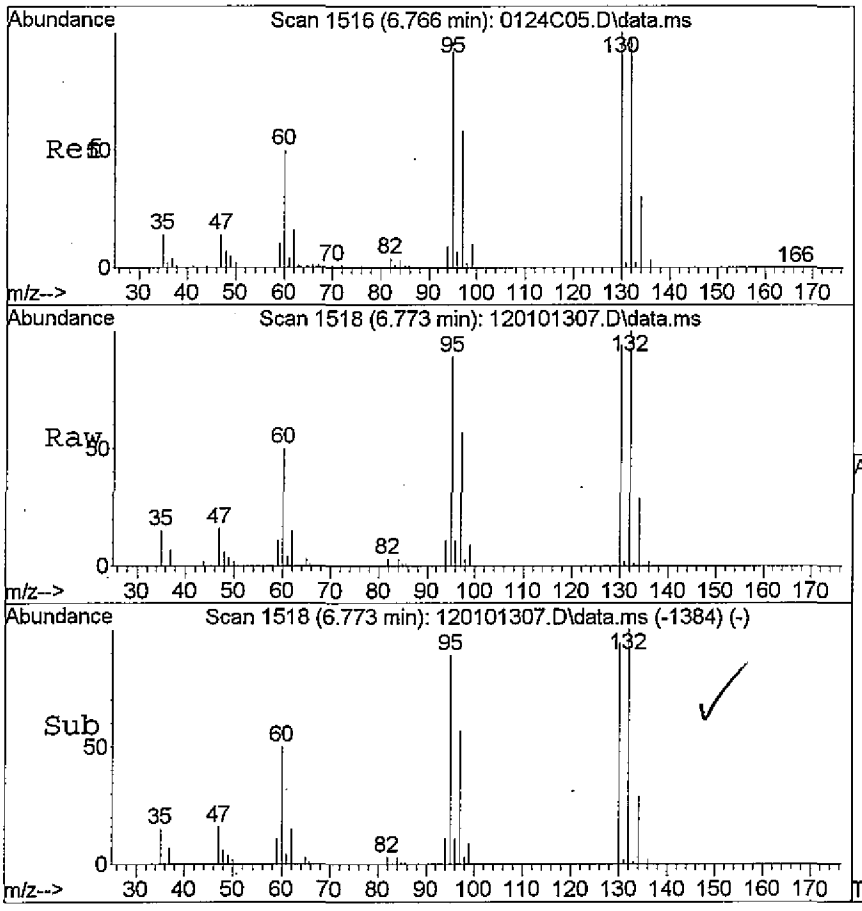


#22
CHLOROFORM
Concen: 7.59 ug/L
RT: 4.708 min Scan# 967
Delta R.T. 0.004 min
Lab File: 120101307.D
Acq: 27 Jan 2012 3:16 pm

Tgt Ion: 83 Resp: 407327

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.3	76.9

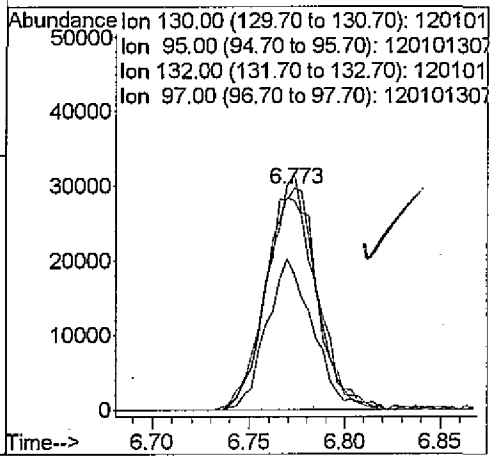


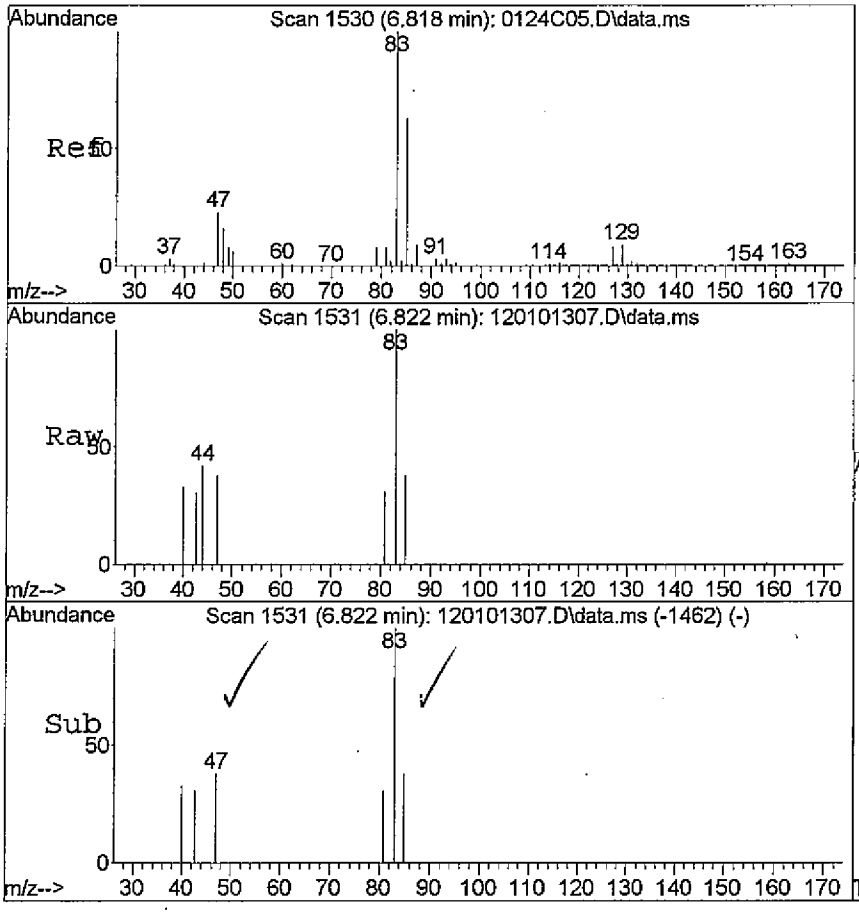


#33
TRICHLOROETHENE
Concen: 1.54 ug/L
RT: 6.773 min Scan# 1518
Delta R.T. 0.004 min
Lab File: 120101307.D
Acq: 27 Jan 2012 3:16 pm

Tgt Ion:130 Resp: 55218

Ion	Ratio	Lower	Upper
130	100		
95	96.5	74.6	111.8
132	101.7	77.6	116.4
97	61.8	48.0	72.0

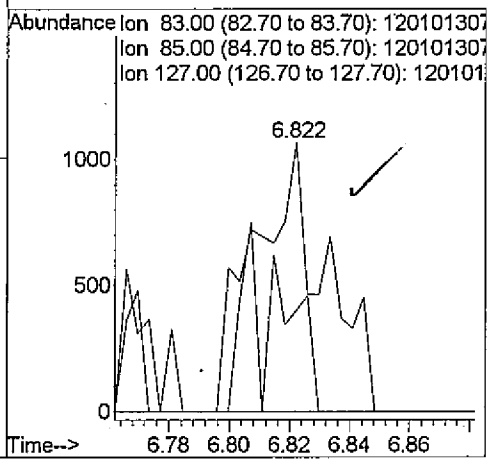


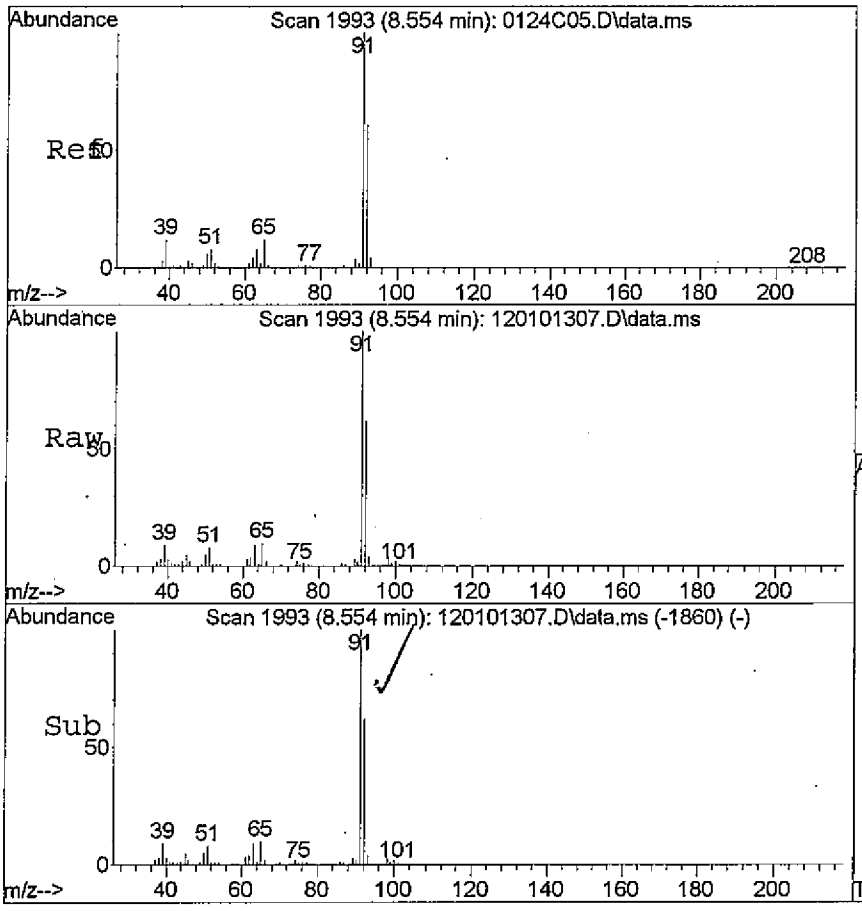


#34
BROMODICHLOROMETHANE
Concen: 0.06 ug/L
RT: 6.822 min Scan# 1531
Delta R.T. 0.007 min
Lab File: 120101307.D
Acq: 27 Jan 2012 3:16 pm

Tgt Ion: 83 Resp: 1748

Ion	Ratio	Lower	Upper
83	100		
85	0.0	50.1	75.1#
127	0.0	7.0	10.6#

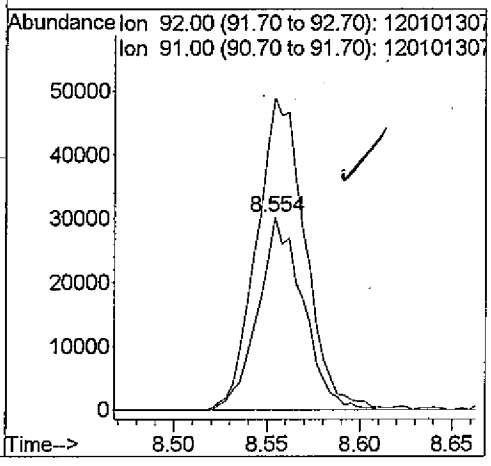


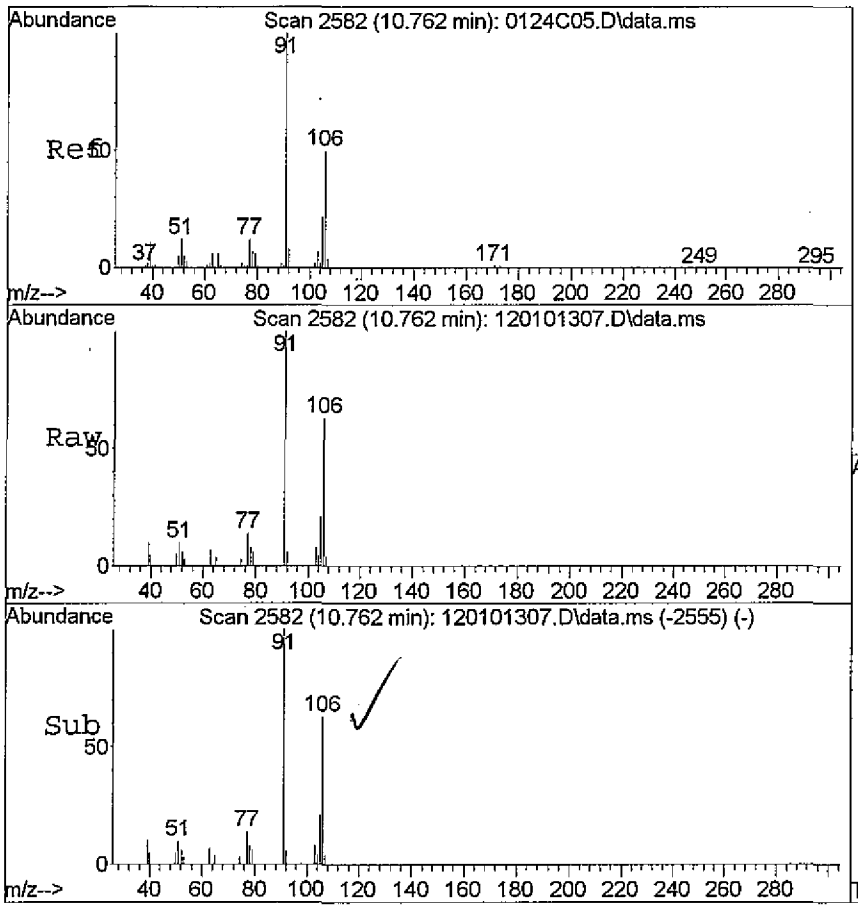


#43
TOLUENE
Concen: 0.56 ug/L
RT: 8.554 min Scan# 1993
Delta R.T. -0.000 min
Lab File: 120101307.D
Acq: 27 Jan 2012 3:16 pm

Tgt Ion: 92 Resp: 50823

Ion	Ratio	Lower	Upper
92	100		
91	174.6	139.3	208.9

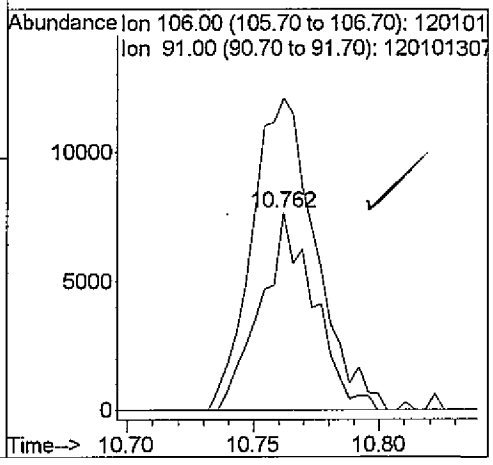


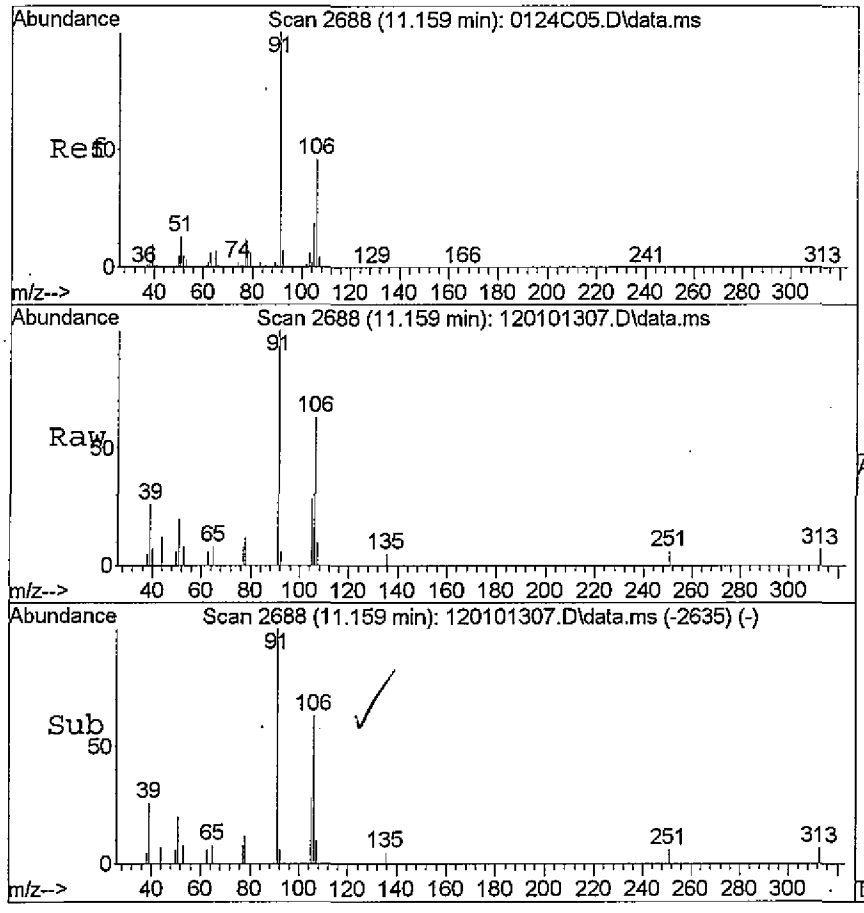


#53
M-XYLENE/P-XYLENE
Concen: 0.18 ug/L
RT: 10.762 min Scan# 2582
Delta R.T. -0.000 min
Lab File: 120101307.D
Acq: 27 Jan 2012 3:16 pm

Tgt Ion:106 Resp: 11379

Ion	Ratio	Lower	Upper
106	100		
91	188.1	164.8	247.2

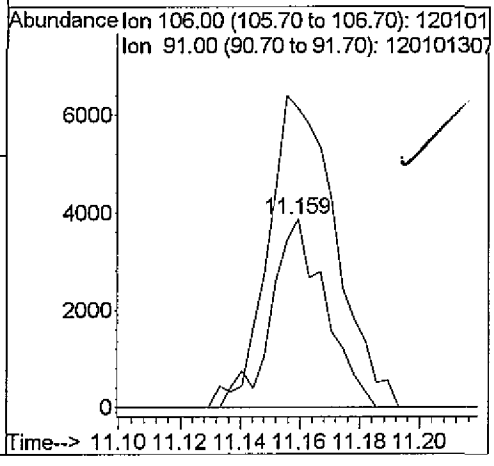


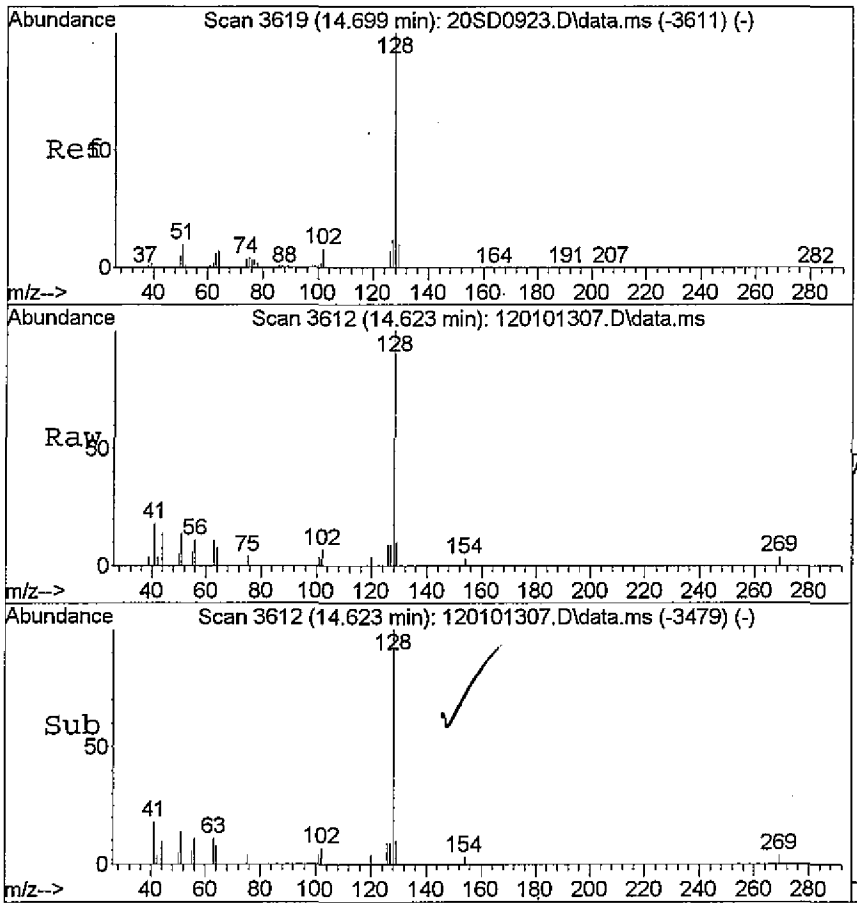


#55
O-XYLENE
Concen: 0.07 ug/L
RT: 11.159 min Scan# 2688
Delta R.T. -0.000 min
Lab File: 120101307.D
Acq: 27 Jan 2012 3:16 pm

Tgt Ion:106 Resp: 4886

Ion	Ratio	Lower	Upper
106	100		
91	205.7	173.3	259.9

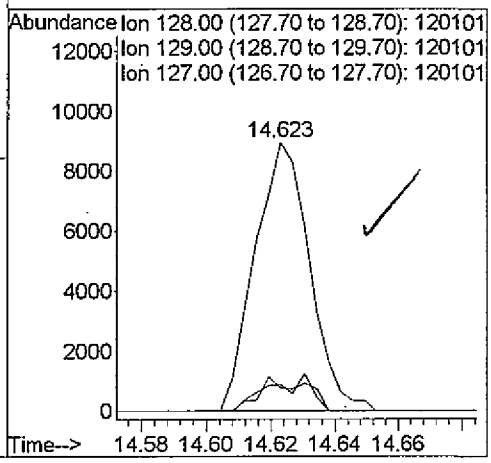




#76
NAPHTHALENE
Concen: 0.29 ug/L
RT: 14.623 min Scan# 3612
Delta R.T. -0.000 min
Lab File: 120101307.D
Acq: 27 Jan 2012 3:16 pm

Tgt Ion:128 Resp: 10599

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	10.7	10.2	15.2



LSC Area Percent Report

Data Path : D:\data\01272012\
Data File : 120101307.D
Acq On : 27 Jan 2012 3:16 pm
Operator : SCW OBB-AG5975
Sample : FB02; O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.819	453	463	479	rBV	71620	134721	7.92%	1.572%
2	4.708	954	967	987	rBV	557954	1080875	63.56%	12.614%
3	5.345	1125	1137	1154	rBV4	183061	355003	20.87%	4.143%
4	6.380	1401	1413	1430	rBV	704268	1234246	72.58%	14.404%
5	6.773	1501	1518	1532	rBV3	174586	323650	19.03%	3.777%
6	8.475	1956	1972	1985	rBV	999699	1700617	100.00%	19.847%
7	8.554	1985	1993	2010	rVB2	126712	233493	13.73%	2.725%
8	10.203	2415	2433	2456	rBV	798278	1368509	80.47%	15.971%
9	10.758	2572	2581	2594	rBV2	34656	65741	3.87%	0.767%
10	11.159	2678	2688	2696	rBV	20139	25637	1.51%	0.299%
11	11.530	2775	2787	2800	rBV	635521	854209	50.23%	9.969%
12	12.700	3088	3099	3113	rVB	968135	1158437	68.12%	13.520%
13	14.619	3601	3611	3624	rBV4	21890	33447	1.97%	0.390%

Sum of corrected areas: 8568585

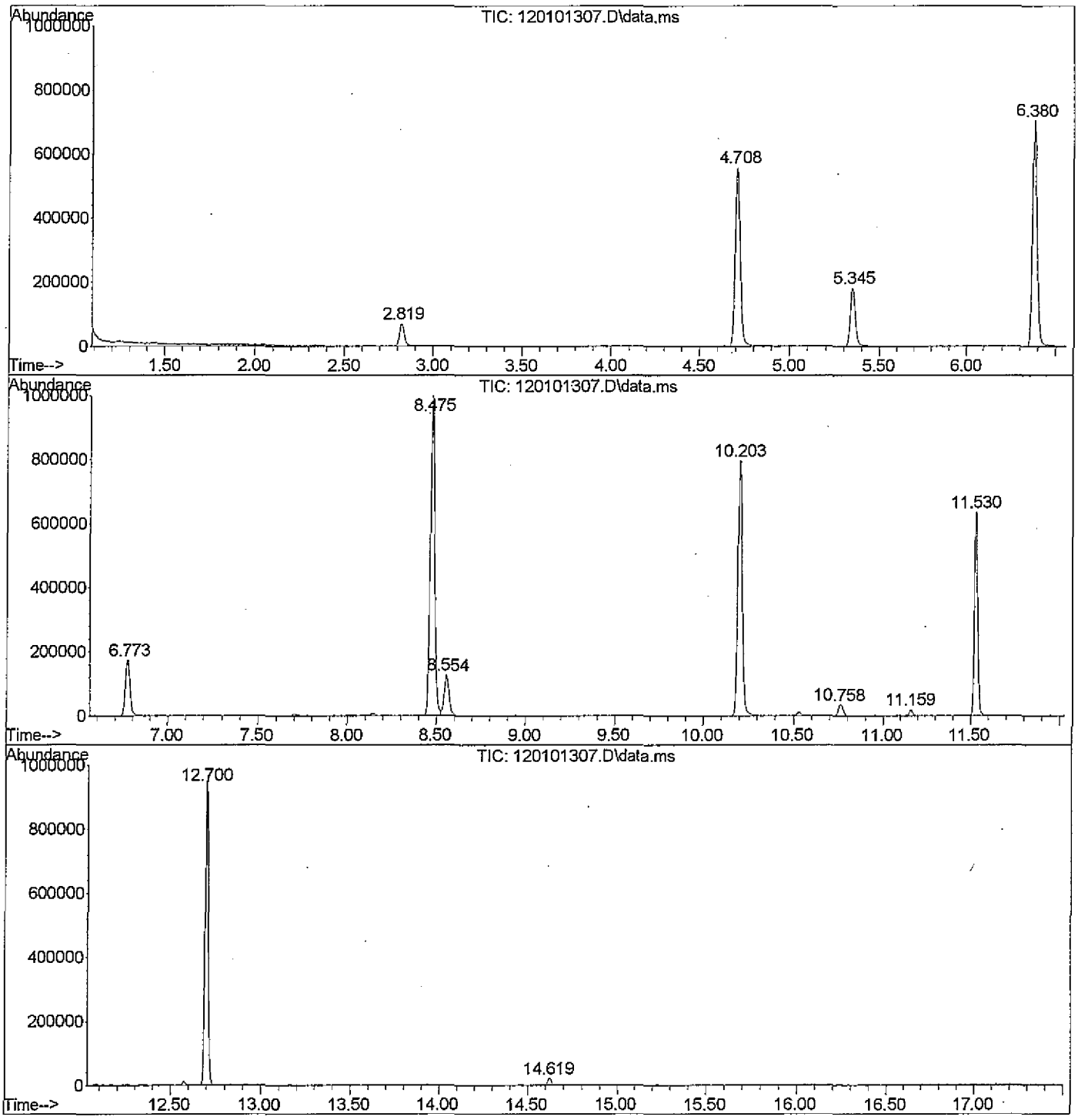
DIM0218843 DIM0219261

LSC Report - Integrated Chromatogram

Data Path : D:\data\01272012\
Data File : 120101307.D
Acq On : 27 Jan 2012 3:16 pm
Operator : SCW OBB-AG5975
Sample : FB02; O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01272012\
Data File : 120101307.D
Acq On : 27 Jan 2012 3:16 pm
Operator : SCW OBB-AG5975
Sample : FB02; O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01272012\
Data File : 120101307.D
Acq On : 27 Jan 2012 3:16 pm
Operator : SCW OBB-AG5975
Sample : FB02; O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

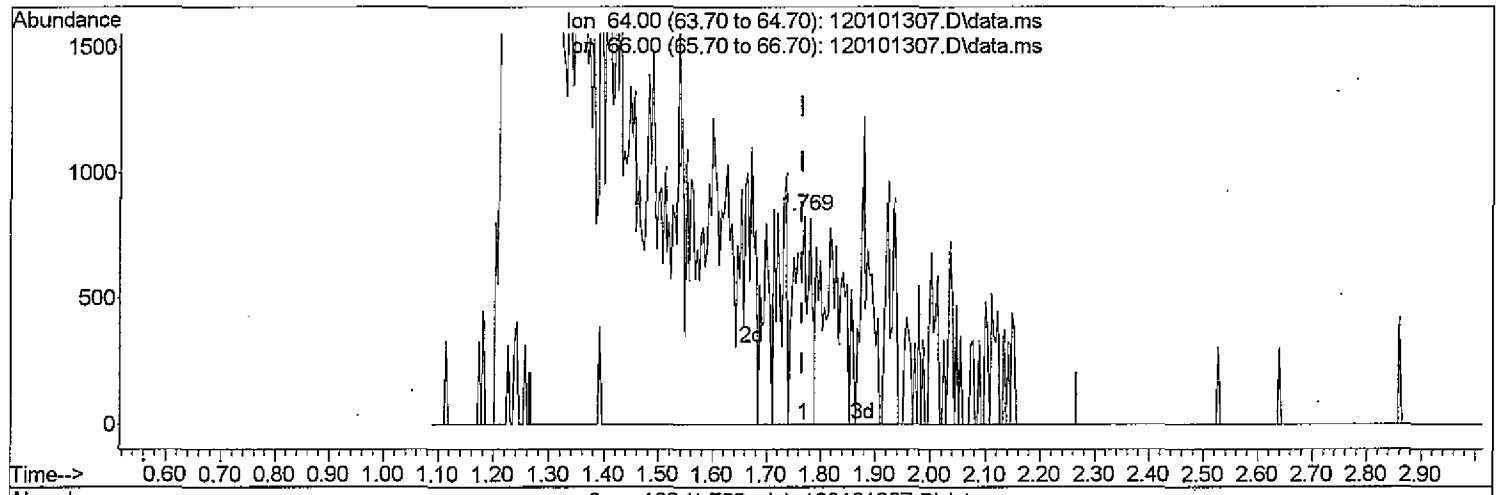
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

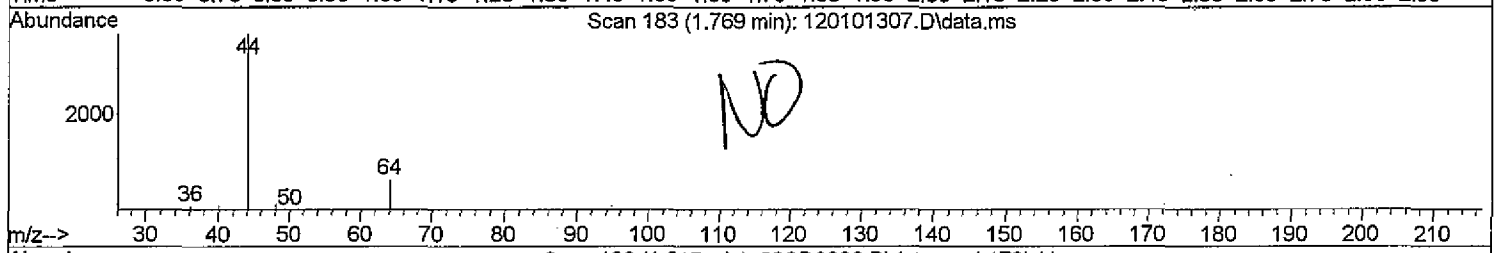
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

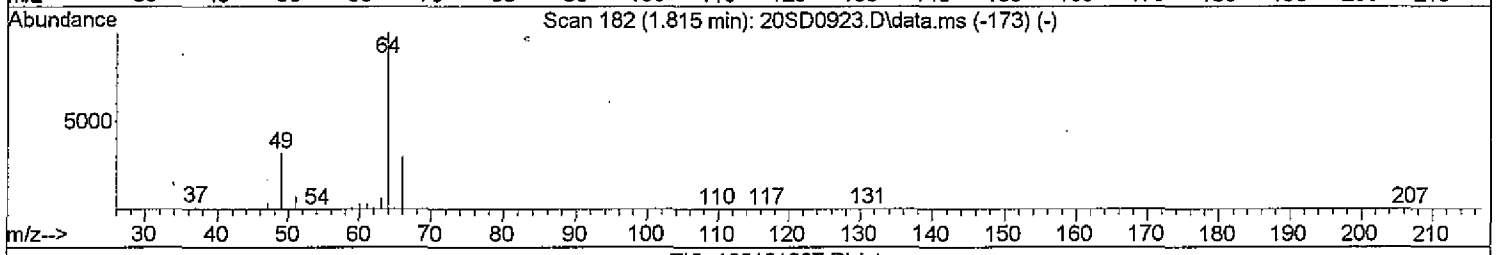
Quantitation Report (Qedit)

Data Path : D:\data\01272012\
Data File : 120101307.D
Acq On : 27 Jan 2012 3:16 pm
Operator : SCW OBB-AG5975
Sample : FB02; O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 27 15:38:32 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101307.D\data.ms

(6) CHLOROETHANE (TMCP)

1.769min (+0.004) 0.05ug/L

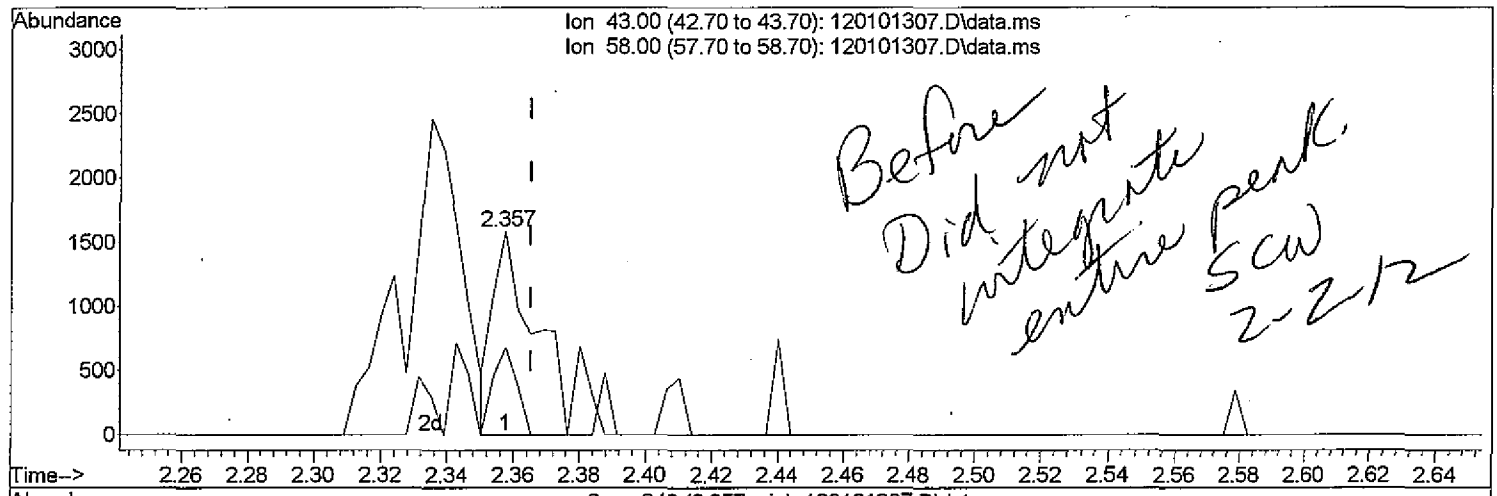
response 1673

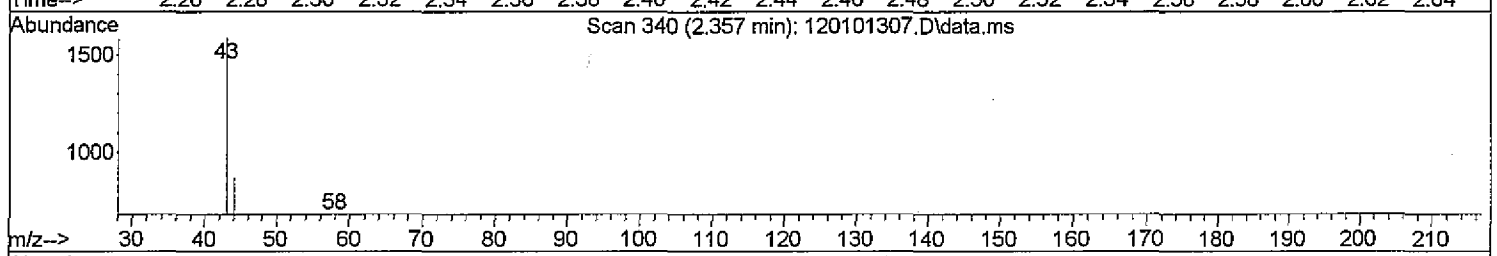
Ion	Exp%	Act%
64.00	100	100
66.00	31.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

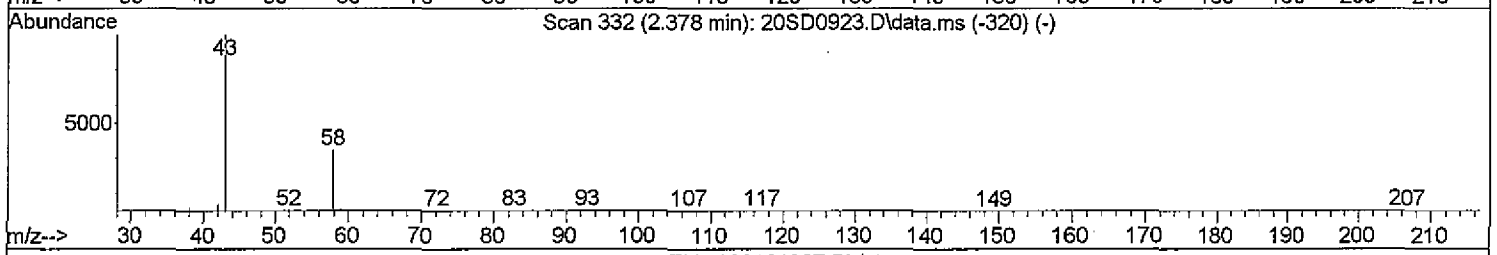
Quantitation Report (Qedit)

Data Path : D:\data\01272012\
Data File : 120101307.D
Acq On : 27 Jan 2012 3:16 pm
Operator : SCW OBB-AG5975
Sample : FB02; O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 27 15:38:32 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101307.D\data.ms

(8) ACETONE (TMCP)

2.357min (-0.008) 0.30ug/L

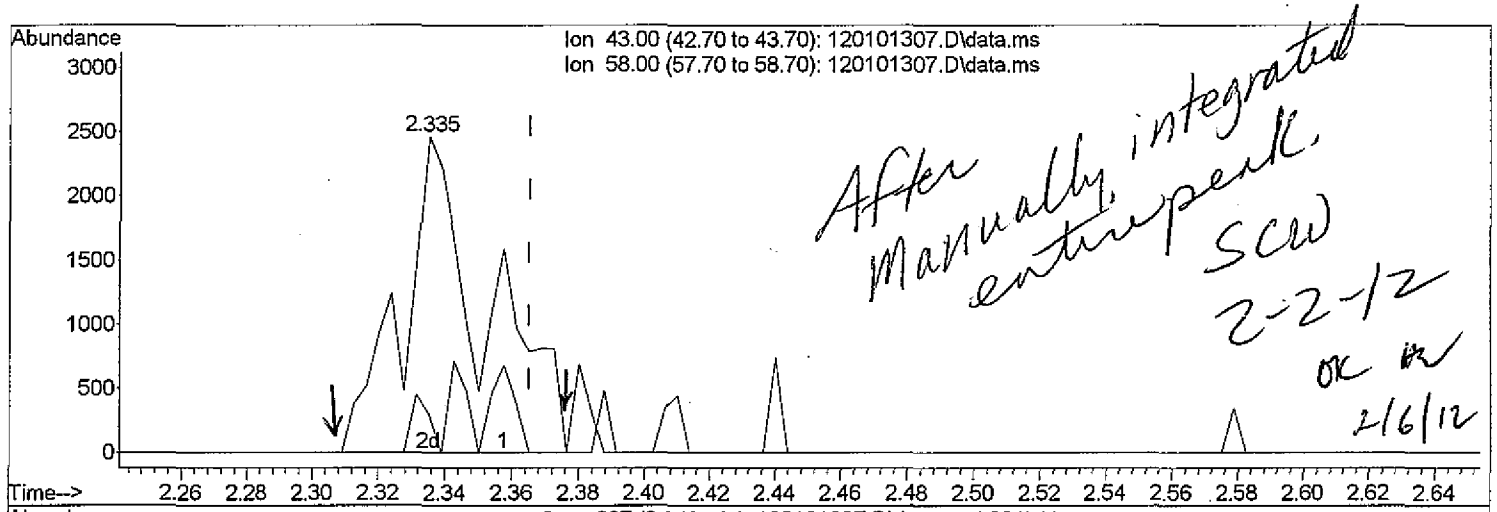
response 1360

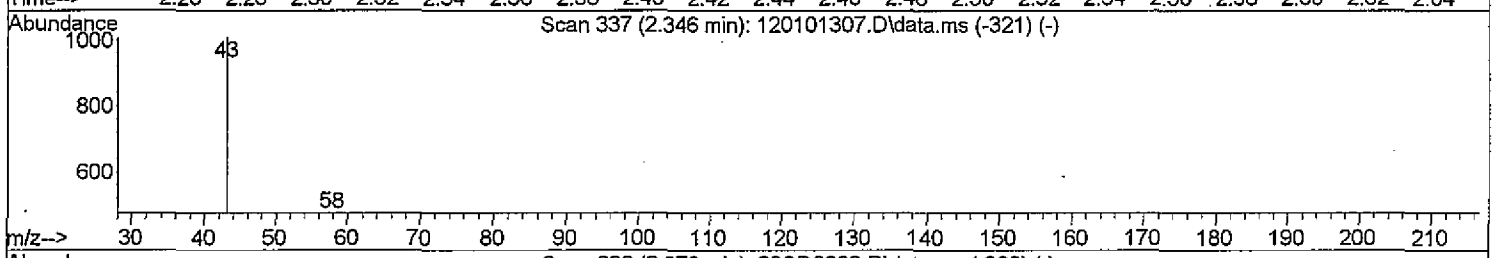
Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

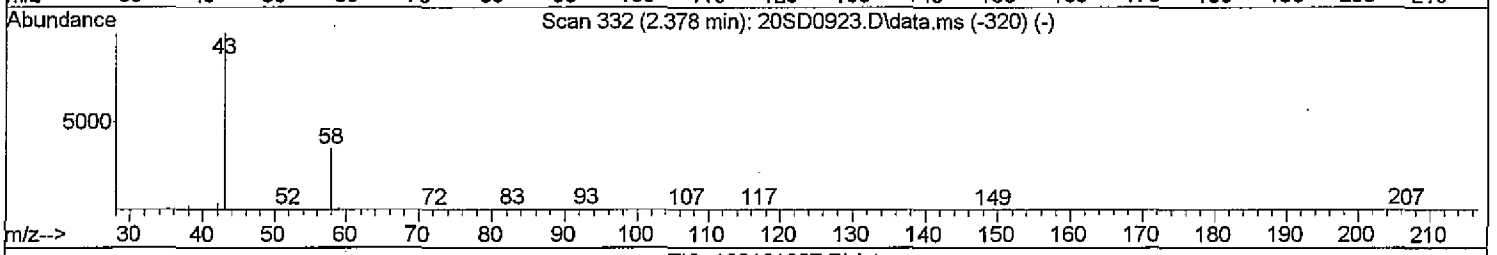
Quantitation Report (Qedit)

Data Path : D:\data\01272012\
Data File : 120101307.D
Acq On : 27 Jan 2012 3:16 pm
Operator : SCW OBB-AG5975
Sample : FB02; O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 27 15:38:32 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101307.D\data.ms

(8) ACETONE (TMCP)

2.335min (-0.030) 0.92ug/L m

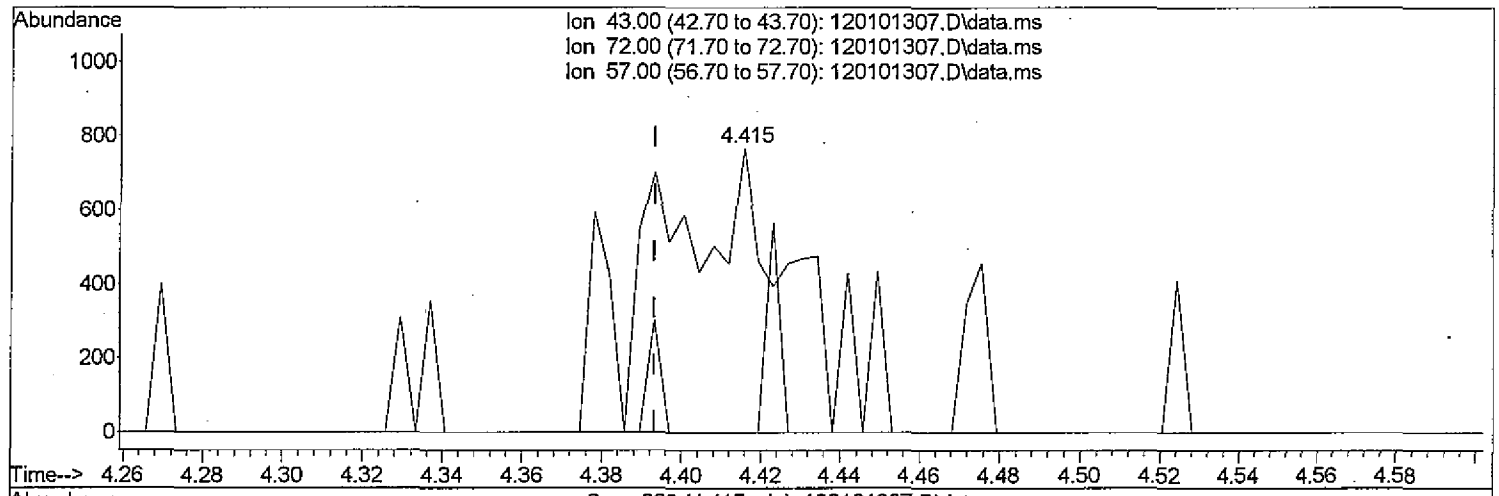
response 4248

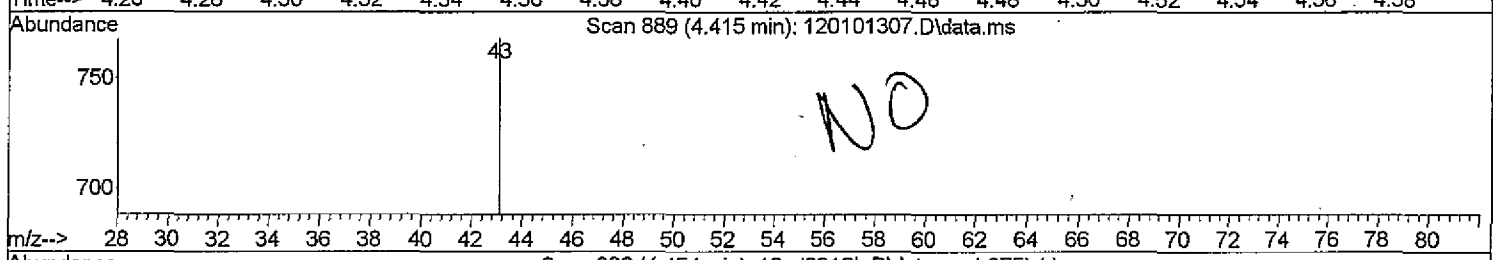
Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

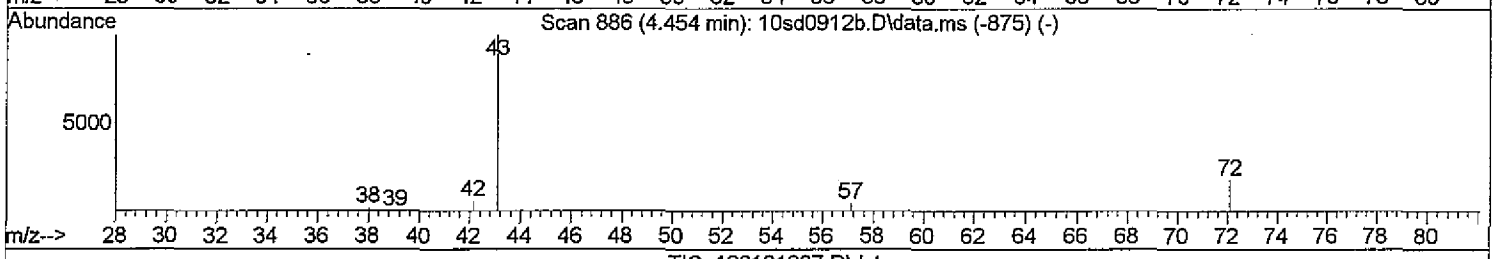
Quantitation Report (Qedit)

Data Path : D:\data\01272012\
Data File : 120101307.D
Acq On : 27 Jan 2012 3:16 pm
Operator : SCW OBB-AG5975
Sample : FB02; O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 27 15:38:32 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101307.D\data.ms

(19) 2-BUTANONE (TMCP)

4.415min (+0.022) 0.36ug/L

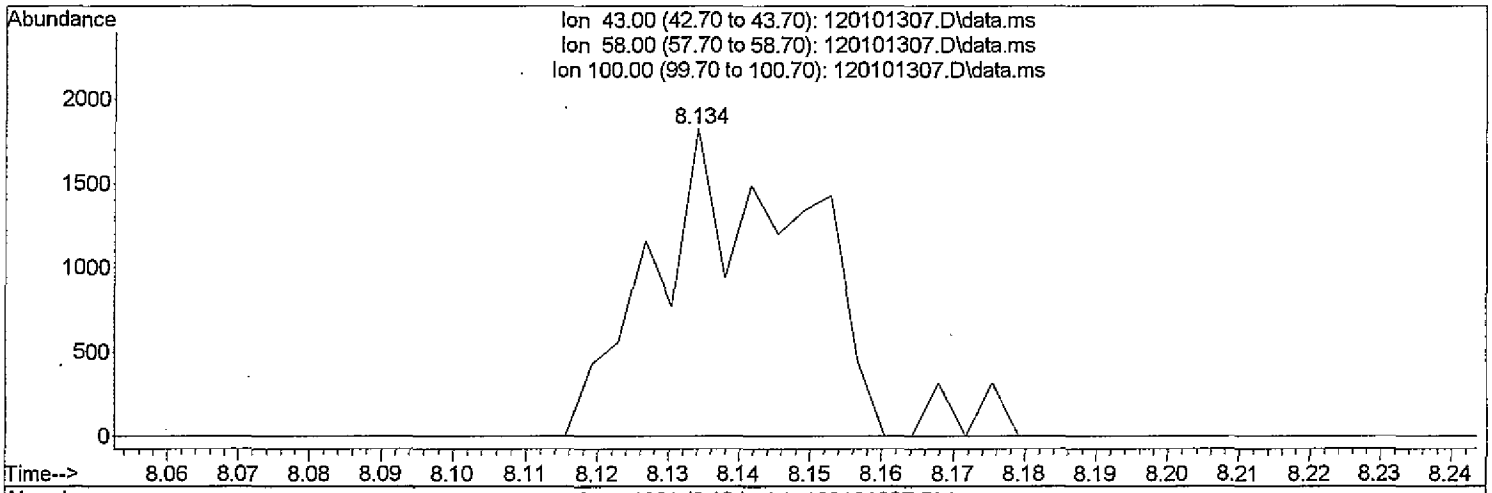
response 1522

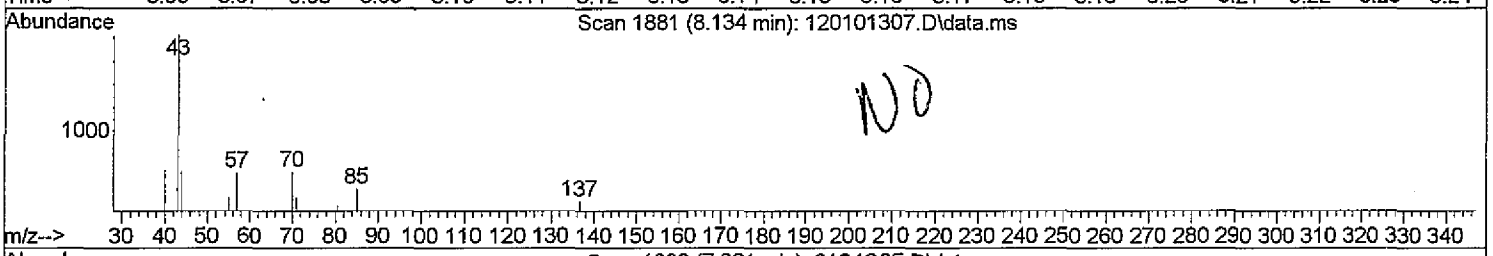
Ion	Exp%	Act%
43.00	100	100
72.00	18.60	0.00#
57.00	7.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

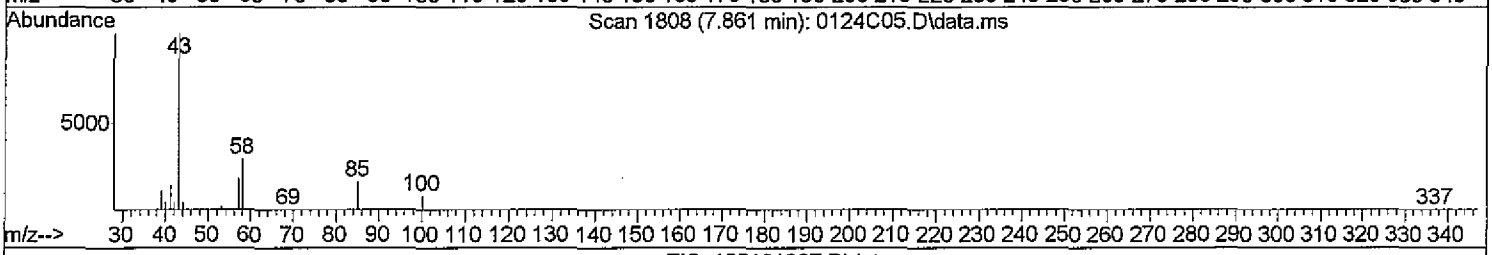
Data Path : D:\data\01272012\
Data File : 120101307.D
Acq On : 27 Jan 2012 3:16 pm
Operator : SCW OBB-AG5975
Sample : FB02; O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 27 15:38:32 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration





ND



TIC: 120101307.D\data.ms

(39) 4-METHYL-2-PENTANONE (TMCP)

8.134min (+0.259) 0.27ug/L

response 2607

Ion	Exp%	Act%
43.00	100	100
58.00	36.60	0.00#
100.00	12.60	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 120101309.D
Acq On : 27 Jan 2012 5:04 pm
Operator : SCW OBB-AG5975
Sample : HW04; M
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 27 17:29:38 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	499394	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	430296	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	179415	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	111136	4.16 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 104.00%	
42) TOLUENE-d8	8.475	98	590272	3.82 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 95.50%	
60) 4-BROMOFLUOROBENZENE	11.530	95	162527	3.76 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 94.00%	
Target Compounds					Qvalue
8) ACETONE	2.331	43	1156	0.27 ug/L	#JB 47

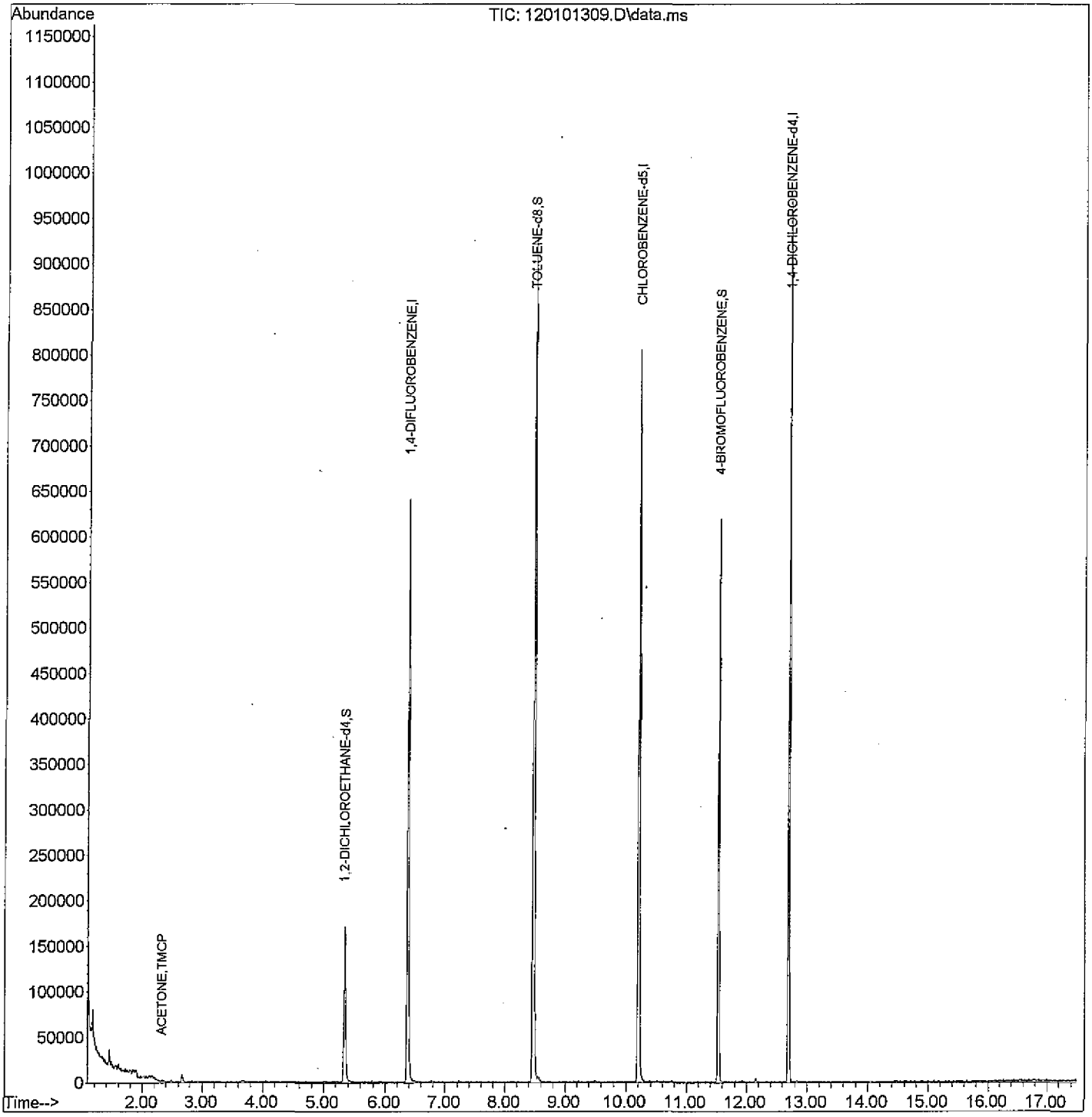
(#) = qualifier out of range (m) = manual integration (+) = signals summed

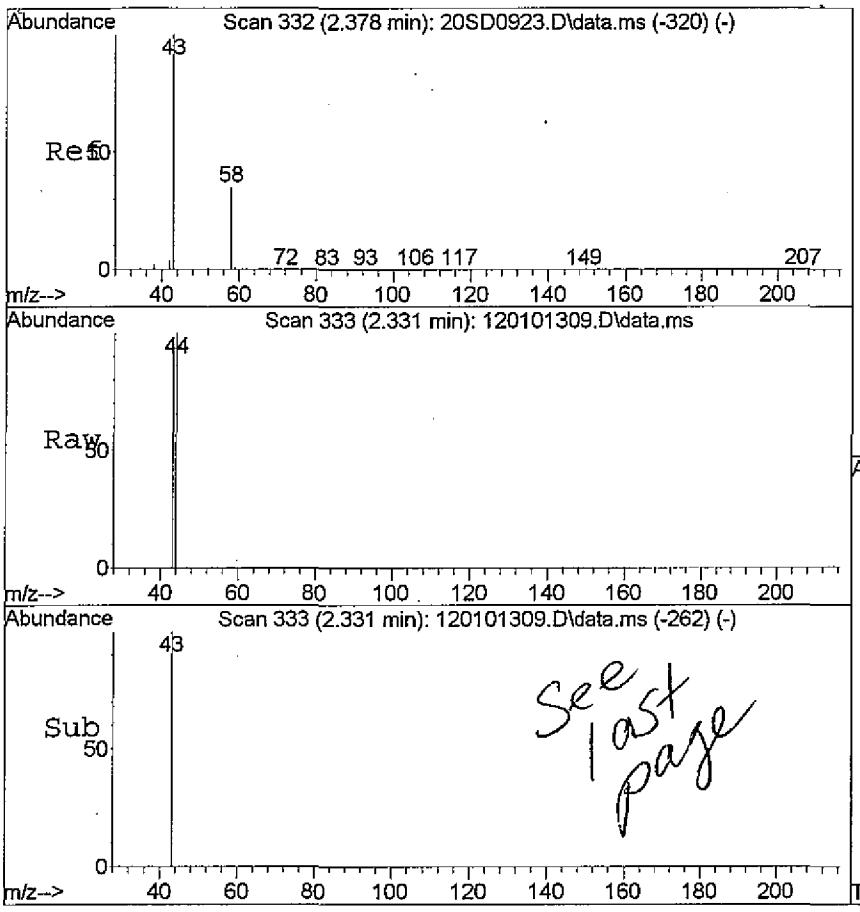
No T/CS

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 120101309.D
Acq On : 27 Jan 2012 5:04 pm
Operator : SCW OBB-AG5975
Sample : HW04; M
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 27 17:29:38 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration



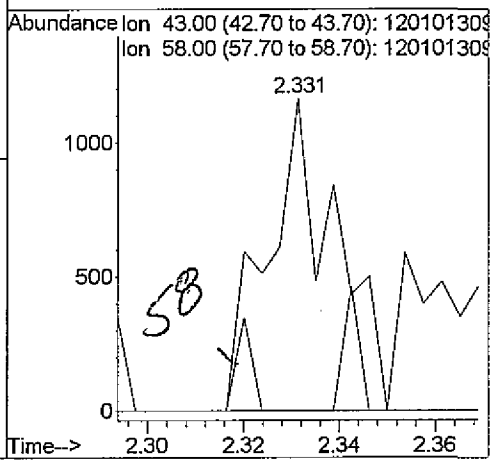


See last page

#8
ACETONE
Concen: 0.27 ug/L
RT: 2.331 min Scan# 333
Delta R.T. -0.034 min
Lab File: 120101309.D
Acq: 27 Jan 2012 5:04 pm

Tgt Ion: 43 Resp: 1156

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#



Data Path : D:\data\01272012\
Data File : 120101309.D
Acq On : 27 Jan 2012 5:04 pm
Operator : SCW OBB-AG5975
Sample : HW04; M
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

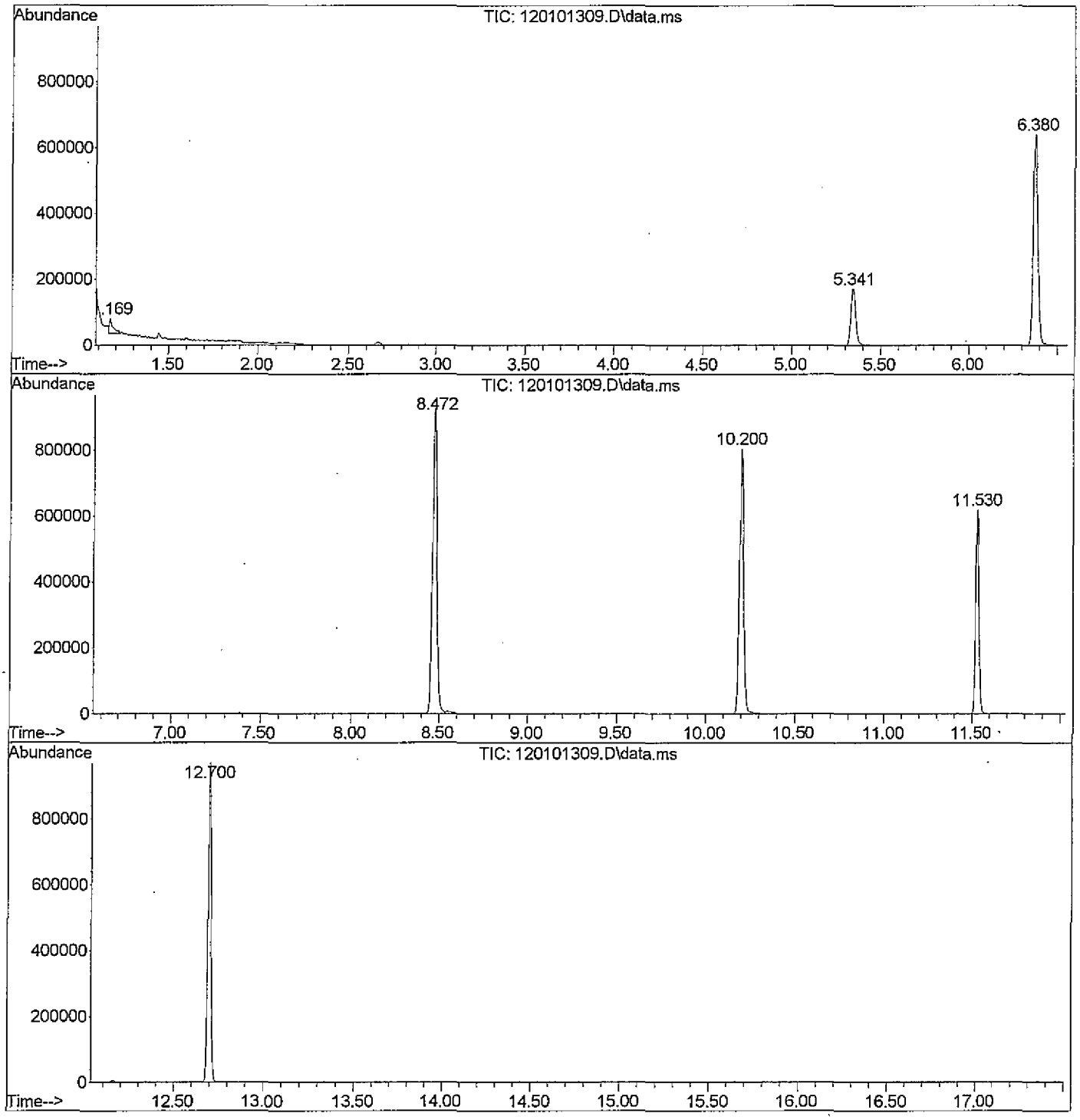
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.169	20	23	39	rVB	44937	67006	4.16%	1.037%
2	5.341	1125	1136	1155	rBV2	170982	324300	20.11%	5.019%
3	6.380	1399	1413	1431	rBV	641714	1157784	71.80%	17.918%
4	8.472	1958	1971	1988	rBV	927443	1612612	100.00%	24.958%
5	10.200	2419	2432	2457	rBV	806460	1332820	82.65%	20.627%
6	11.530	2777	2787	2806	rBV	620090	817977	50.72%	12.659%
7	12.700	3089	3099	3110	rVB	969385	1148892	71.24%	17.781%

Sum of corrected areas: 6461391

Data Path : D:\data\01272012\
Data File : 120101309.D
Acq On : 27 Jan 2012 5:04 pm
Operator : SCW OBB-AG5975
Sample : HW04; M
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01272012\
Data File : 120101309.D
Acq On : 27 Jan 2012 5:04 pm
Operator : SCW OBB-AG5975
Sample : HW04; M
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01272012\
Data File : 120101309.D
Acq On : 27 Jan 2012 5:04 pm
Operator : SCW OBB-AG5975
Sample : HW04; M
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

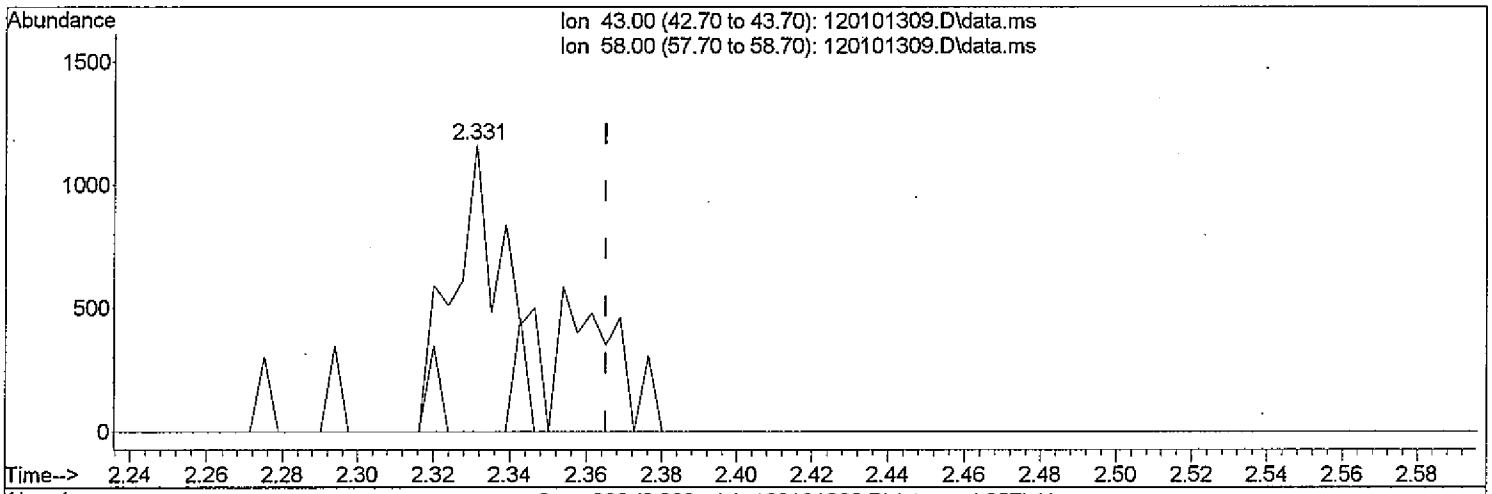
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

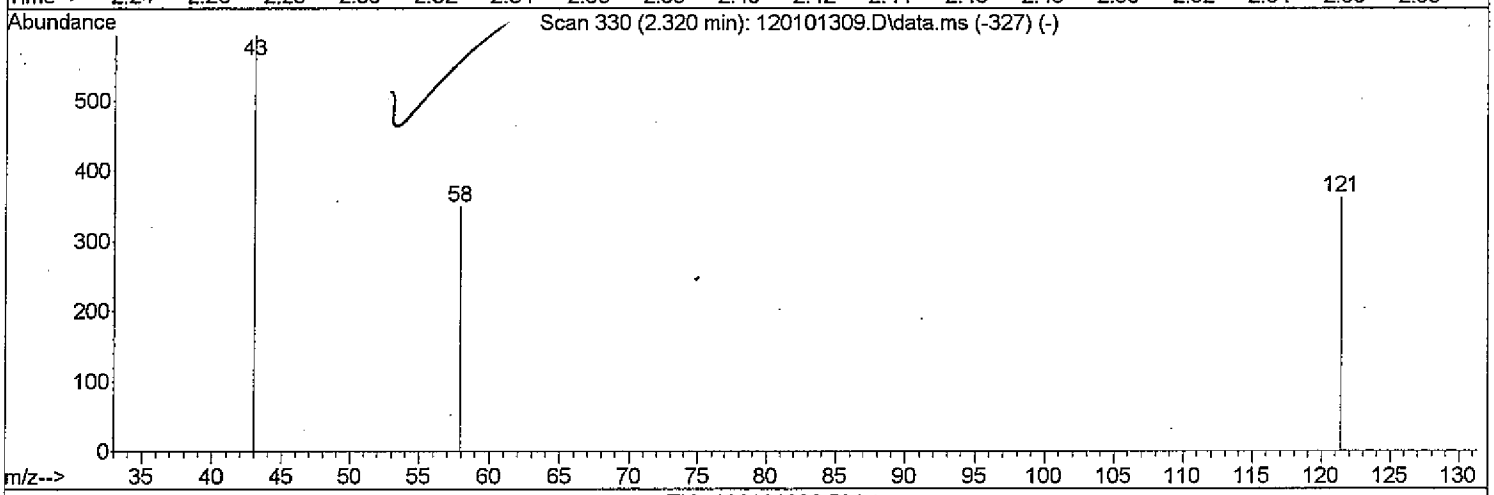
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

DIM0218843 DIM0219276

Data Path : D:\data\01272012\
Data File : 120101309.D
Acq On : 27 Jan 2012 5:04 pm
Operator : SCW OBB-AG5975
Sample : HW04; M
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 27 17:29:38 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration





TIC: 120101309.D\data.ms

(8) ACETONE (TMCP)

2.331min (-0.034) 0.27ug/L

response 1156

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 120101311.D
Acq On : 27 Jan 2012 3:43 pm
Operator : SCW OBB-AG5975
Sample : TB01;C
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 09:25:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	527444	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	440139	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	184516	4.00 ug/L	0.00

System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	120157	4.26 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 106.50%		
42) TOLUENE-d8	8.475	98	621603	3.93 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 98.25%		
60) 4-BROMOFLUOROBENZENE	11.531	95	169013	3.81 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 95.25%		

Target Compounds					Qvalue
8) ACETONE	2.328	43	3763	0.83 ug/L # J	83
11) METHYLENE CHLORIDE	2.819	84	27645	1.03 ug/L #	79
19) 2-BUTANONE	4.389	43	1260	0.30 ug/L # J	64
22) CHLOROFORM	4.708	83	406735	7.73 ug/L	99
33) TRICHLOROETHENE	6.770	130	94304	2.68 ug/L	99
43) TOLUENE	8.558	92	56651	0.63 ug/L	97
53) M-XYLENE/P-XYLENE	10.766	106	11415	0.18 ug/L J	97
55) O-XYLENE	11.163	106	4798	0.07 ug/L J	94
76) NAPHTHALENE	14.619	128	11086	0.30 ug/L J	99

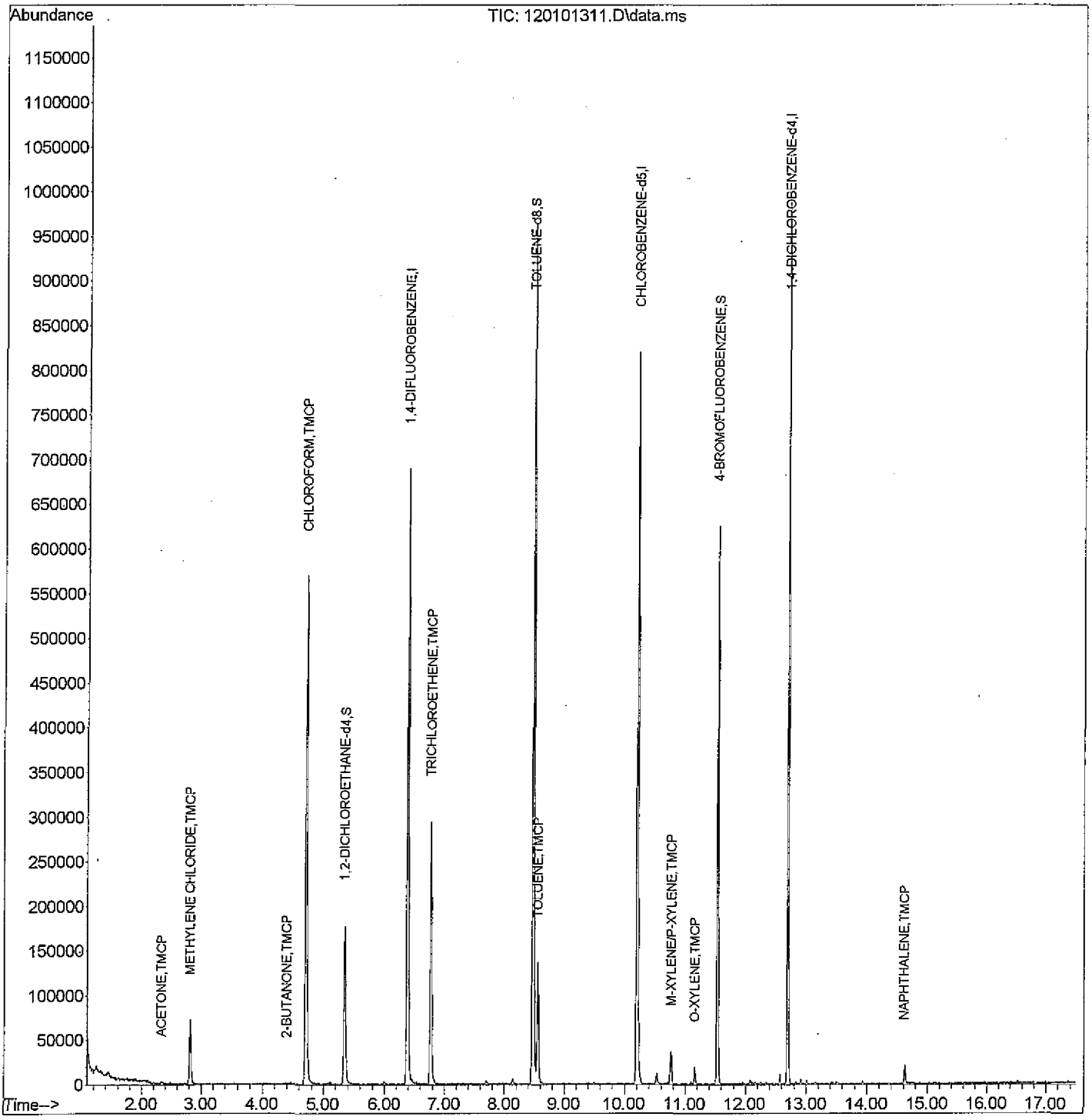
(#) = qualifier out of range (m) = manual integration (+) = signals summed

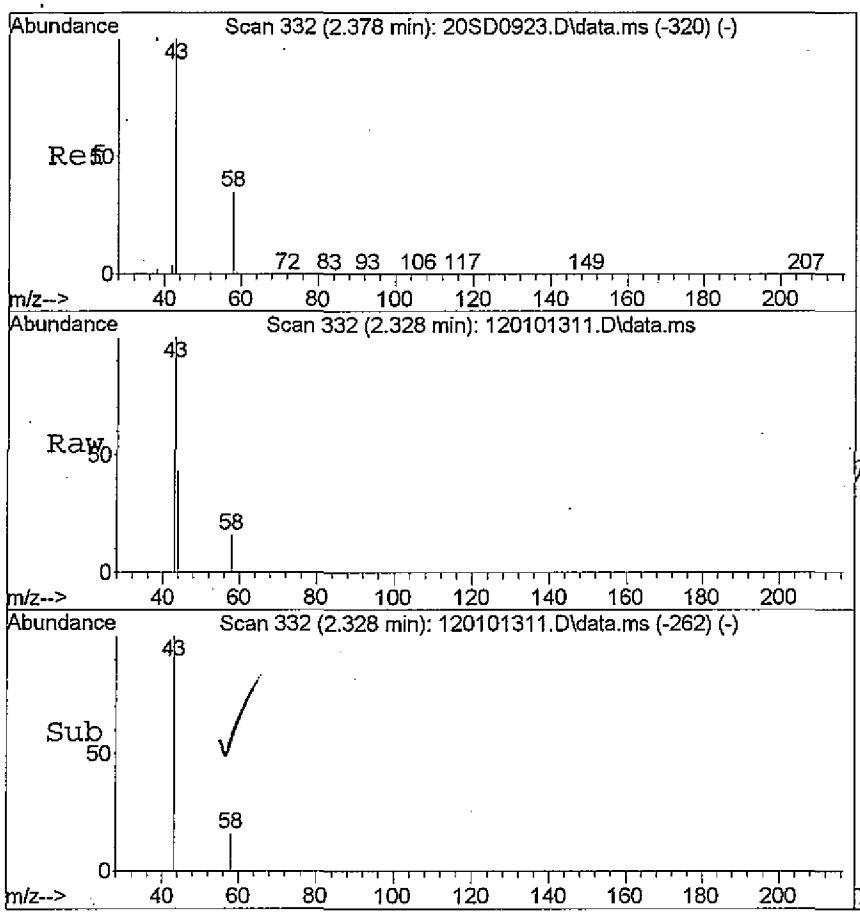
No TICS

Quantitation Report (QT Reviewed)

Data Path : D:\data\01272012\
Data File : 120101311.D
Acq On : 27 Jan 2012 3:43 pm
Operator : SCW OBB-AG5975
Sample : TB01;C
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 09:25:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

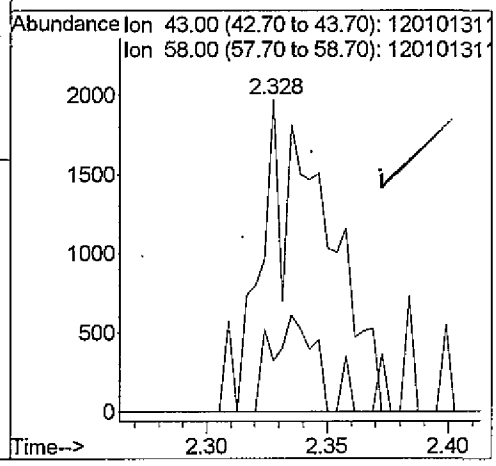


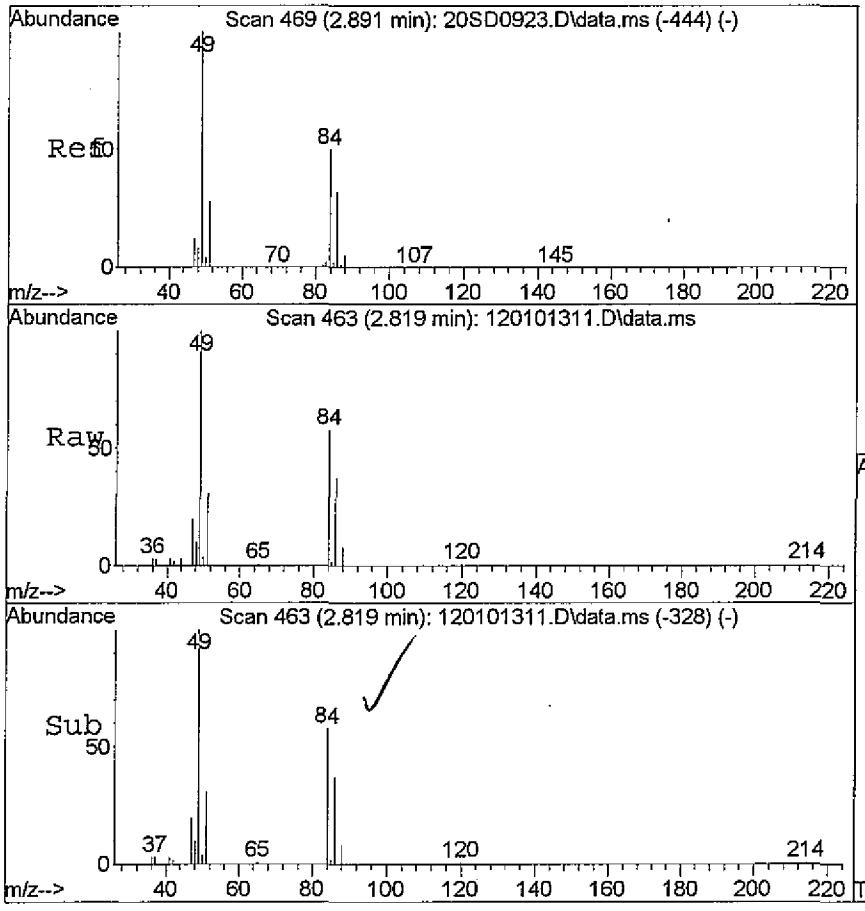


#8
ACETONE
Concen: 0.83 ug/L
RT: 2.328 min Scan# 332
Delta R.T. -0.038 min
Lab File: 120101311.D
Acq: 27 Jan 2012 3:43 pm

Tgt Ion: 43 Resp: 3763

Ion	Ratio	Lower	Upper
43	100		
58	19.3	22.5	33.7#

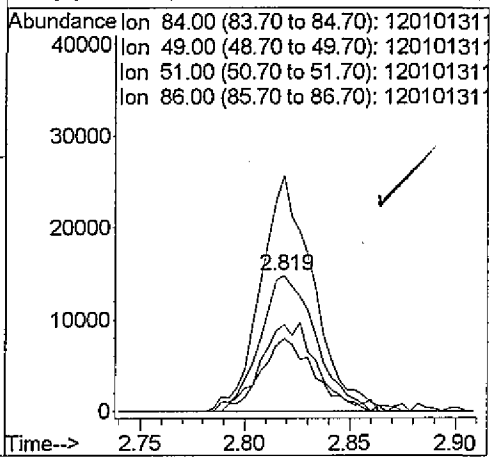


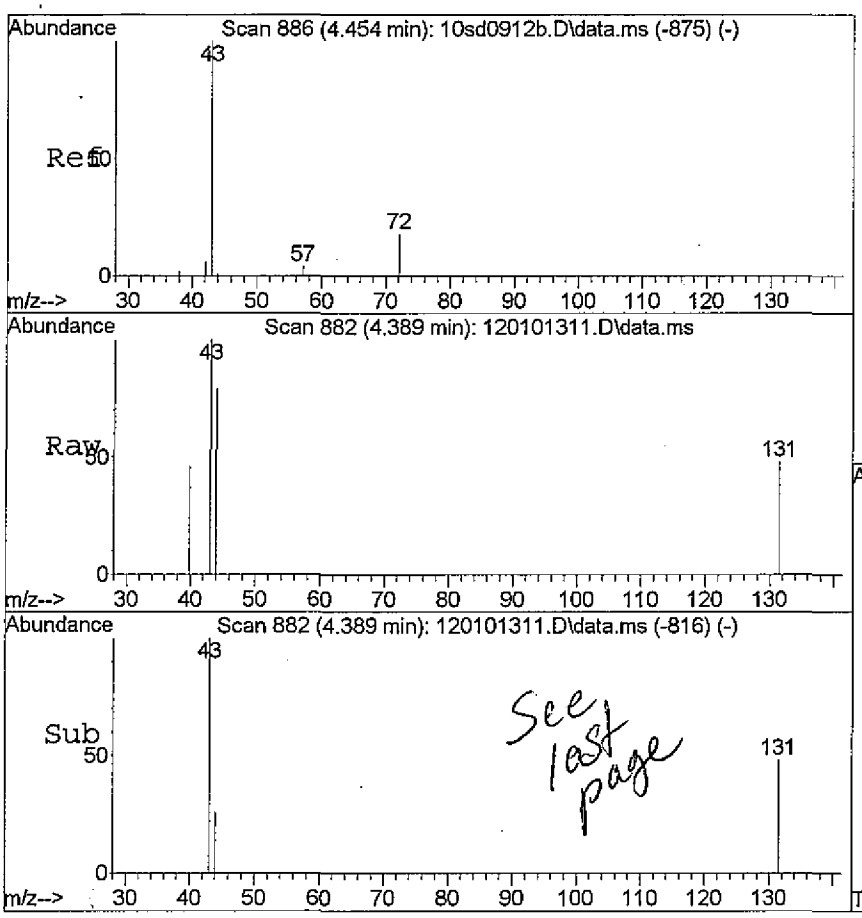


#11
METHYLENE CHLORIDE
Concen: 1.03 ug/L
RT: 2.819 min Scan# 463
Delta R.T. 0.007 min
Lab File: 120101311.D
Acq: 27 Jan 2012 3:43 pm

Tgt Ion: 84 Resp: 27645

Ion	Ratio	Lower	Upper
84	100		
49	162.4	102.1	153.1#
51	51.0	31.0	46.6#
86	63.6	49.2	73.8



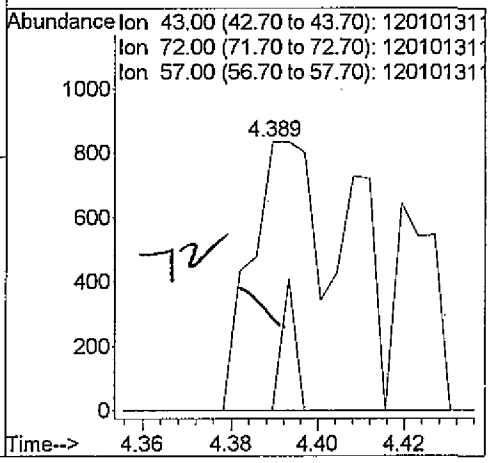


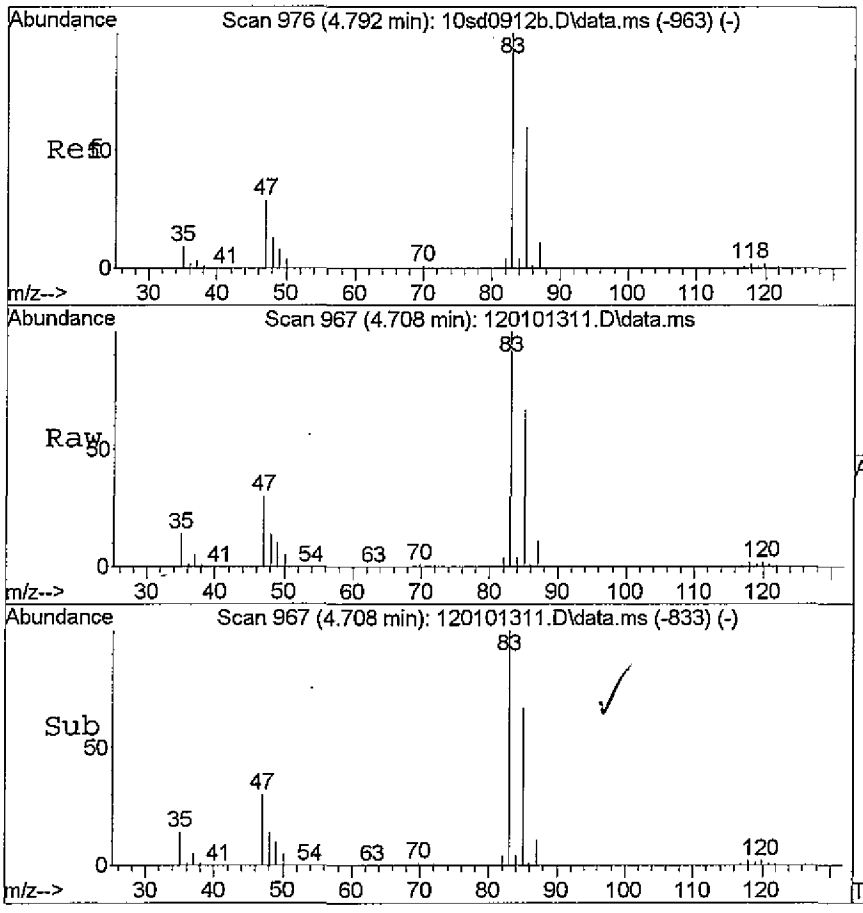
See last page

#19
2-BUTANONE
Concen: 0.30 ug/L
RT: 4.389 min Scan# 882
Delta R.T. -0.004 min
Lab File: 120101311.D
Acq: 27 Jan 2012 3:43 pm

Tgt Ion: 43 Resp: 1260

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.9	22.3#
57	0.0	6.1	9.1#

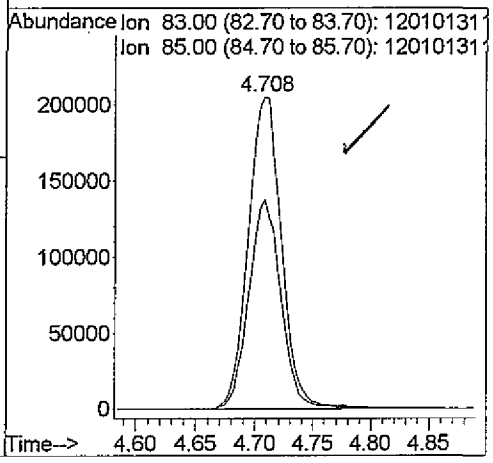


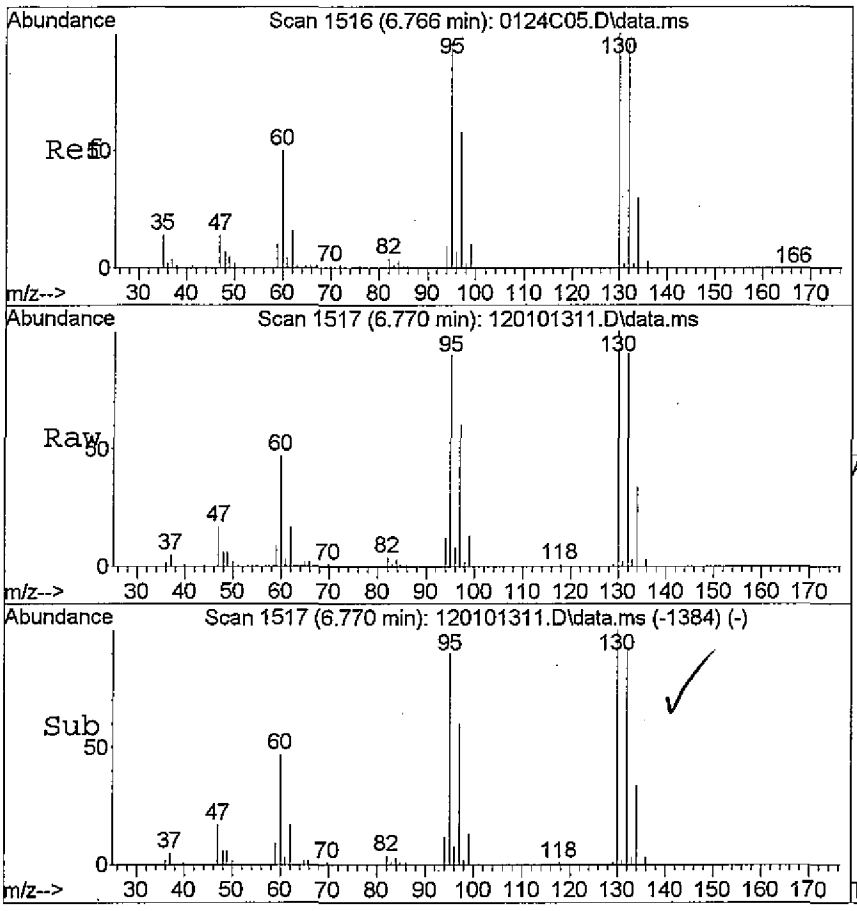


#22
CHLOROFORM
Concen: 7.73 ug/L
RT: 4.708 min Scan# 967
Delta R.T. 0.004 min ✓
Lab File: 120101311.D
Acq: 27 Jan 2012 3:43 pm

Tgt Ion: 83 Resp: 406735

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.3	76.9

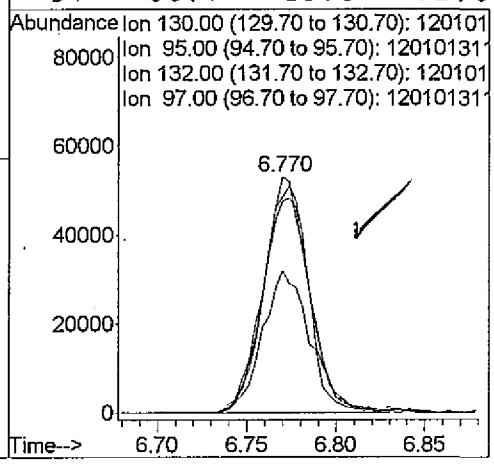


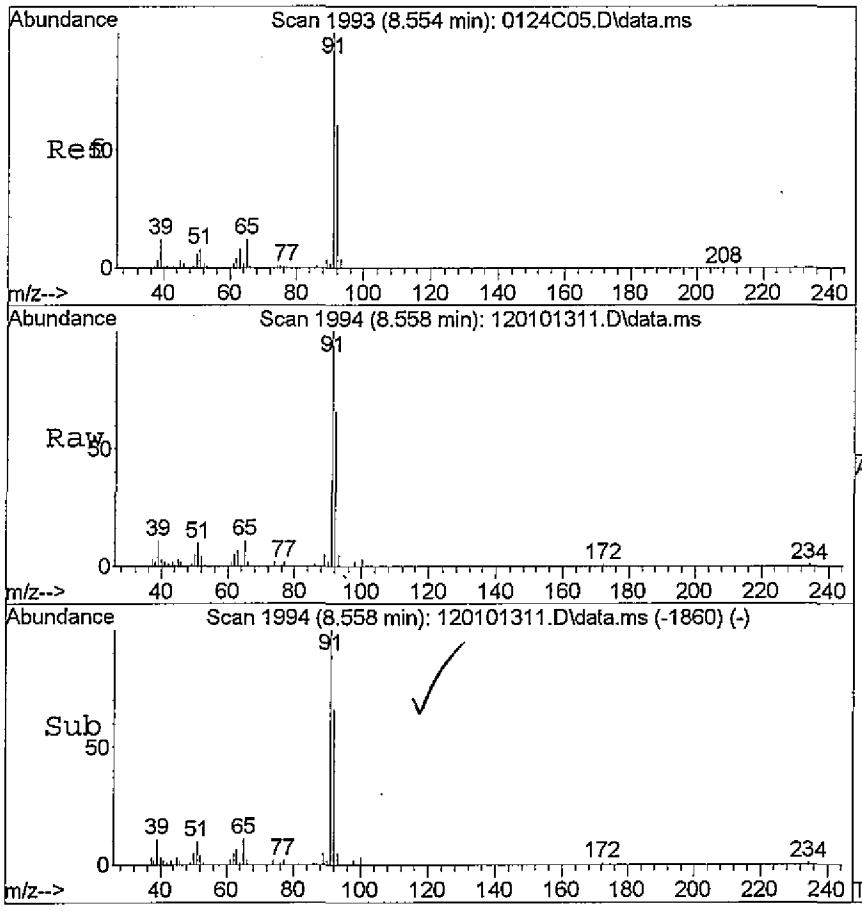


#33
TRICHLOROETHENE
Concen: 2.68 ug/L
RT: 6.770 min Scan# 1517
Delta R.T. -0.000 min
Lab File: 120101311.D
Acq: 27 Jan 2012 3:43 pm

Tgt Ion:130 Resp: 94304

Ion	Ratio	Lower	Upper
130	100		
95	93.9	74.6	111.8
132	98.5	77.6	116.4
97	60.7	48.0	72.0

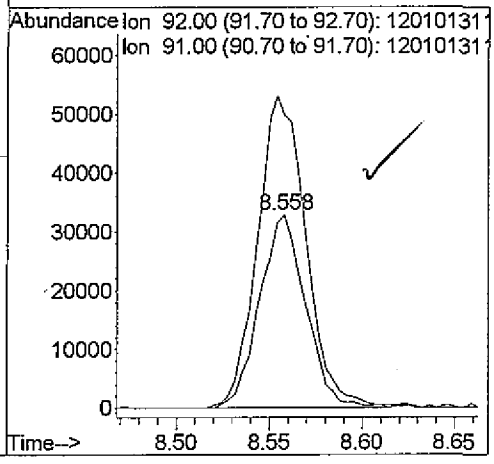


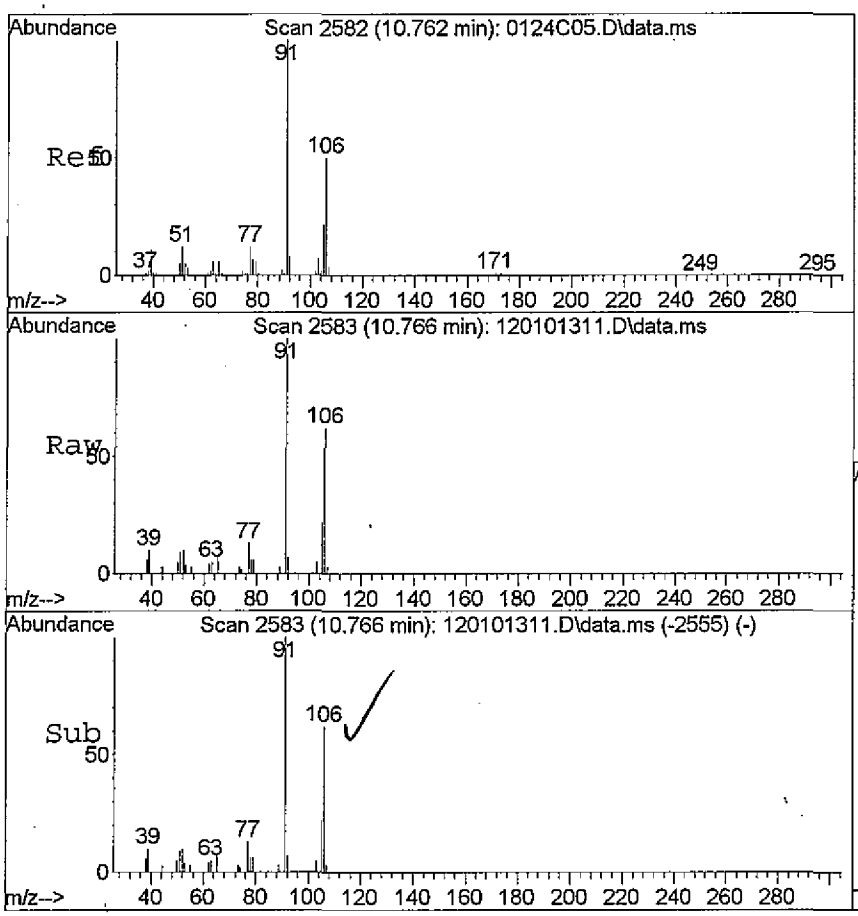


#43
TOLUENE
Concen: 0.63 ug/L
RT: 8.558 min Scan# 1994
Delta R.T. 0.004 min
Lab File: 120101311.D
Acq: 27 Jan 2012 3:43 pm

Tgt Ion: 92 Resp: 56651

Ion	Ratio	Lower	Upper
92	100		
91	169.3	139.3	208.9

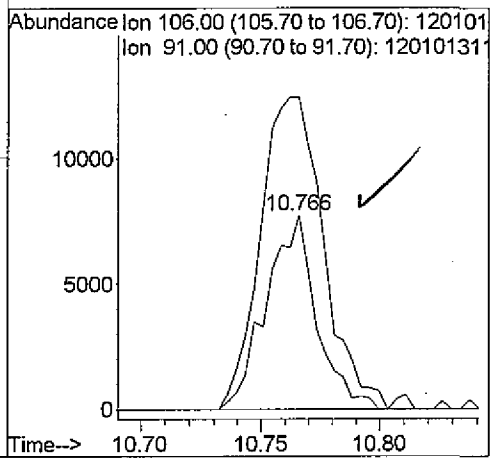


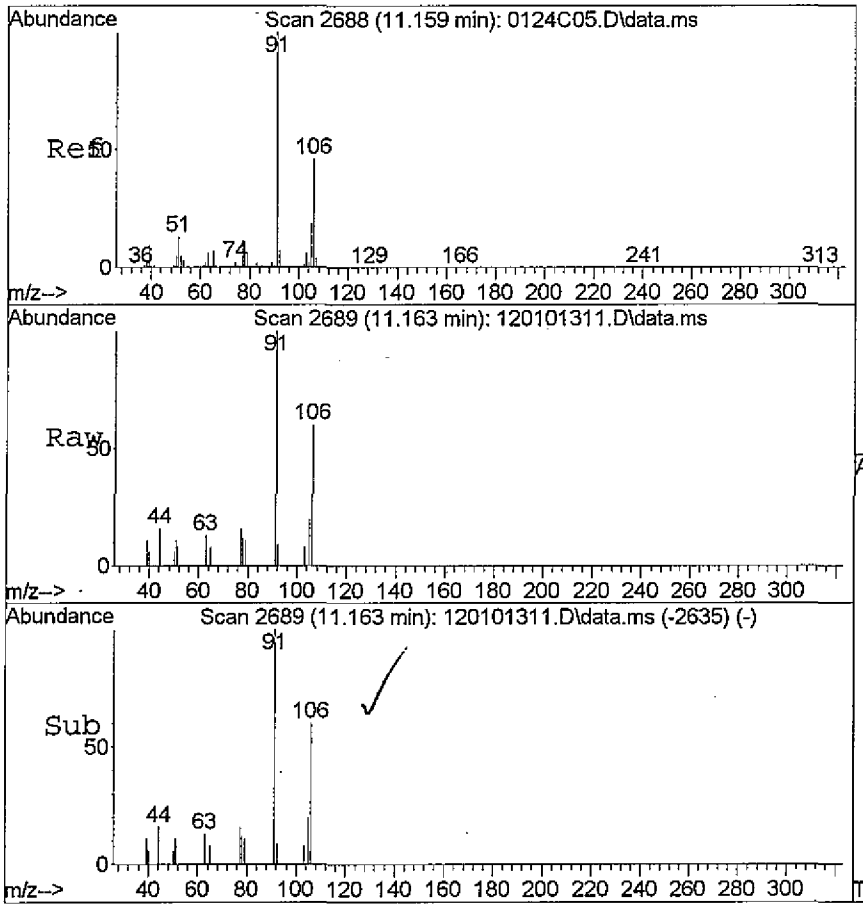


#53
M-XYLENE/P-XYLENE
Concen: 0.18 ug/L
RT: 10.766 min Scan# 2583
Delta R.T. 0.004 min
Lab File: 120101311.D
Acq: 27 Jan 2012 3:43 pm

Tgt Ion:106 Resp: 11415

Ion	Ratio	Lower	Upper
106	100		
91	201.3	164.8	247.2

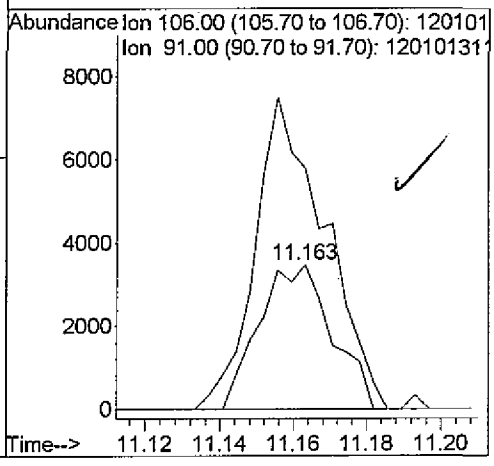


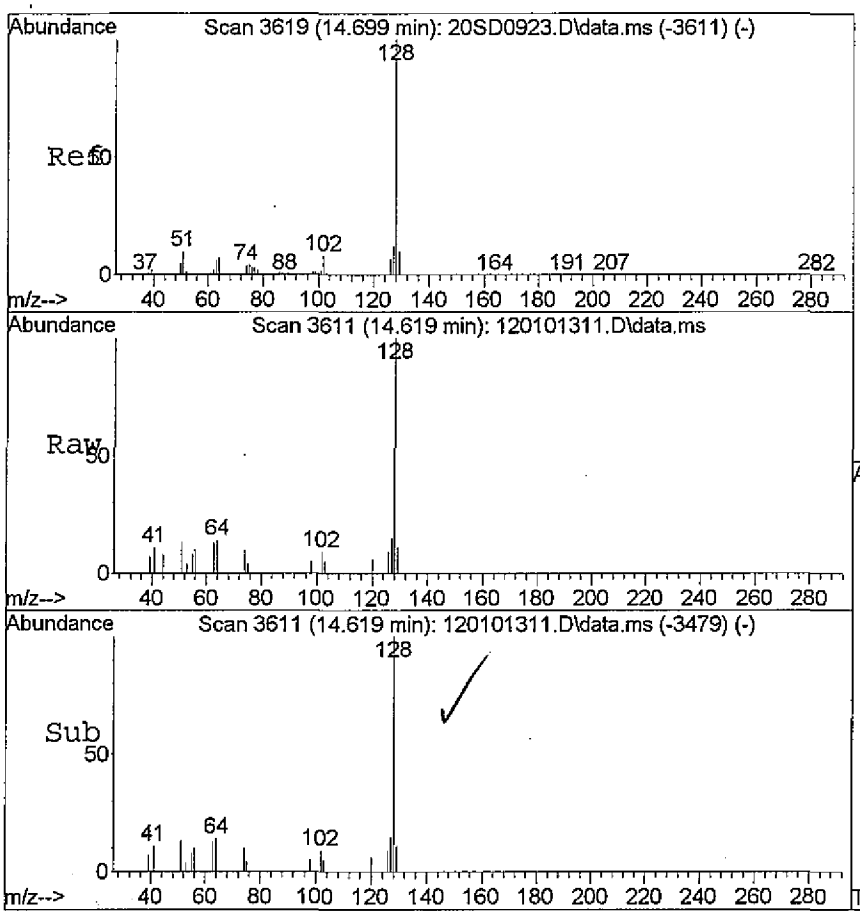


#55
O-XYLENE
Concen: 0.07 ug/L
RT: 11.163 min Scan# 2689
Delta R.T. 0.004 min
Lab File: 120101311.D
Acq: 27 Jan 2012 3:43 pm

Tgt Ion:106 Resp: 4798

Ion	Ratio	Lower	Upper
106	100		
91	206.7	173.3	259.9

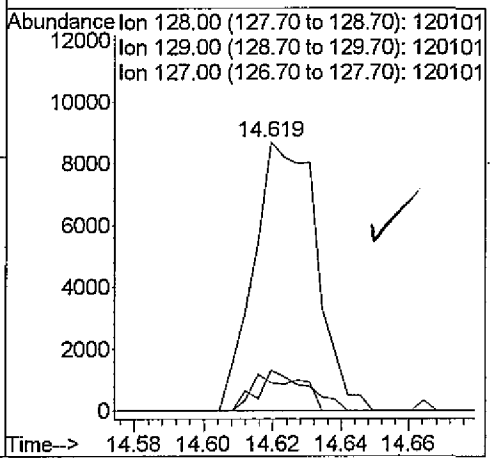




#76
NAPHTHALENE
Concen: 0.30 ug/L
RT: 14.619 min Scan# 3611
Delta R.T. -0.004 min
Lab File: 120101311.D
Acq: 27 Jan 2012 3:43 pm

Tgt Ion:128 Resp: 11086

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.7	13.1
127	12.1	10.2	15.2



LSC Area Percent Report

Data Path : D:\data\01272012\
Data File : 120101311.D
Acq On : 27 Jan 2012 3:43 pm
Operator : SCW OBB-AG5975
Sample : TB01;C
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.819	450	463	483	rBV2	73015	134948	7.99%	1.526%
2	4.708	952	967	988	rBV2	570426	1106468	65.49%	12.515%
3	5.345	1124	1137	1159	rBV2	178620	353686	20.93%	4.000%
4	6.380	1400	1413	1429	rBV	689826	1214813	71.90%	13.740%
5	6.774	1504	1518	1541	rBV2	295358	547964	32.43%	6.198%
6	8.472	1960	1971	1985	rBV	964899	1689483	100.00%	19.109%
7	8.554	1985	1993	2007	rVB2	135285	253395	15.00%	2.866%
8	10.200	2420	2432	2456	rBV	820808	1376433	81.47%	15.569%
9	10.526	2511	2519	2527	rBV3	13050	18874	1.12%	0.213%
10	10.766	2571	2583	2593	rVB4	37189	66272	3.92%	0.750%
11	11.159	2681	2688	2696	rBV3	20255	27019	1.60%	0.306%
12	11.531	2777	2787	2808	rBV	625967	849887	50.30%	9.613%
13	12.700	3087	3099	3114	rBV	988346	1168452	69.16%	13.216%
14	14.619	3602	3611	3621	rBV5	22273	33430	1.98%	0.378%

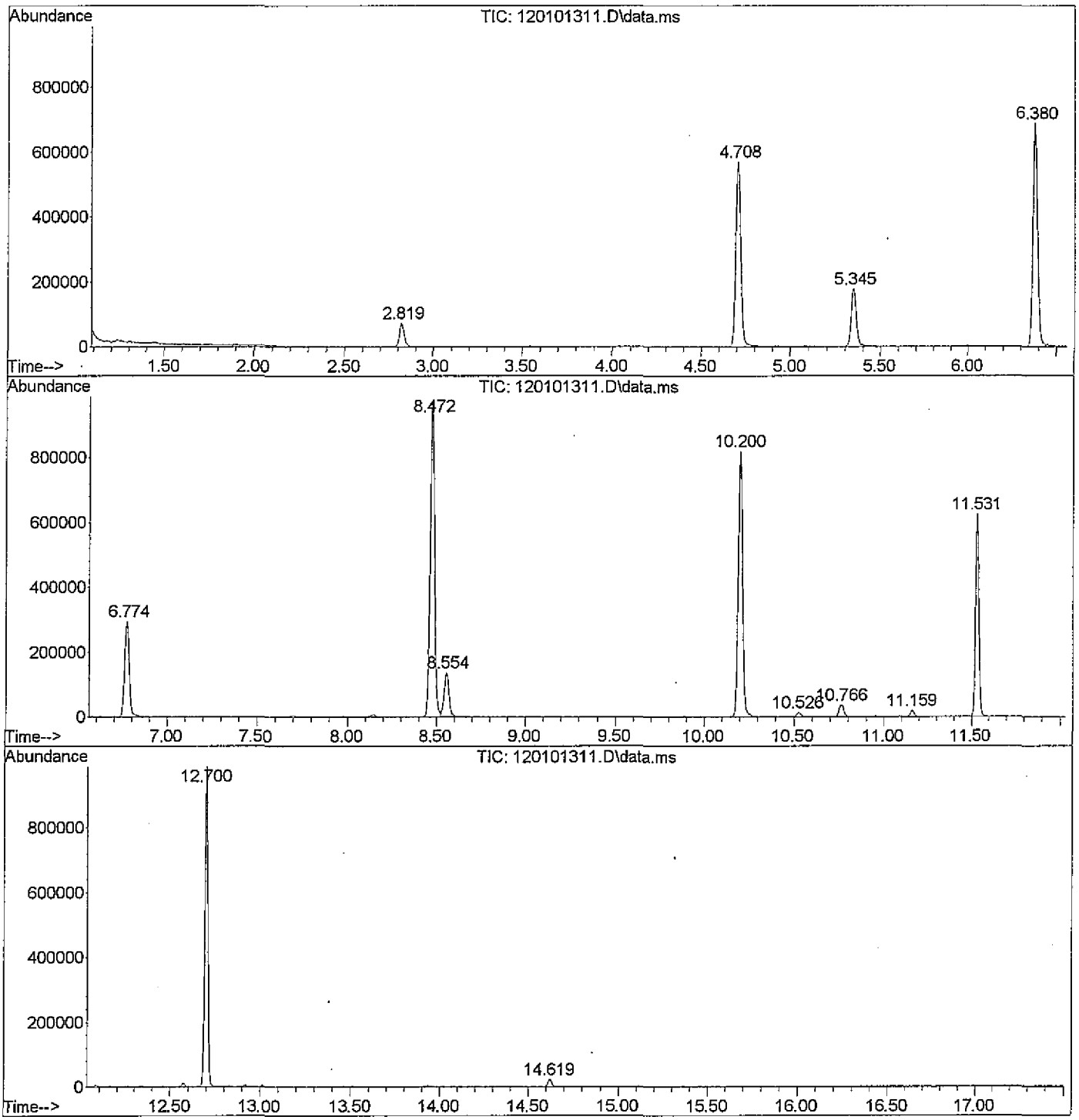
Sum of corrected areas: 8841124

LSC Report - Integrated Chromatogram

Data Path : D:\data\01272012\
Data File : 120101311.D
Acq On : 27 Jan 2012 3:43 pm
Operator : SCW OBB-AG5975
Sample : TB01;C
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01272012\
Data File : 120101311.D
Acq On : 27 Jan 2012 3:43 pm
Operator : SCW OBB-AG5975
Sample : TB01;C
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01272012\
Data File : 120101311.D
Acq On : 27 Jan 2012 3:43 pm
Operator : SCW OBB-AG5975
Sample : TB01;C
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

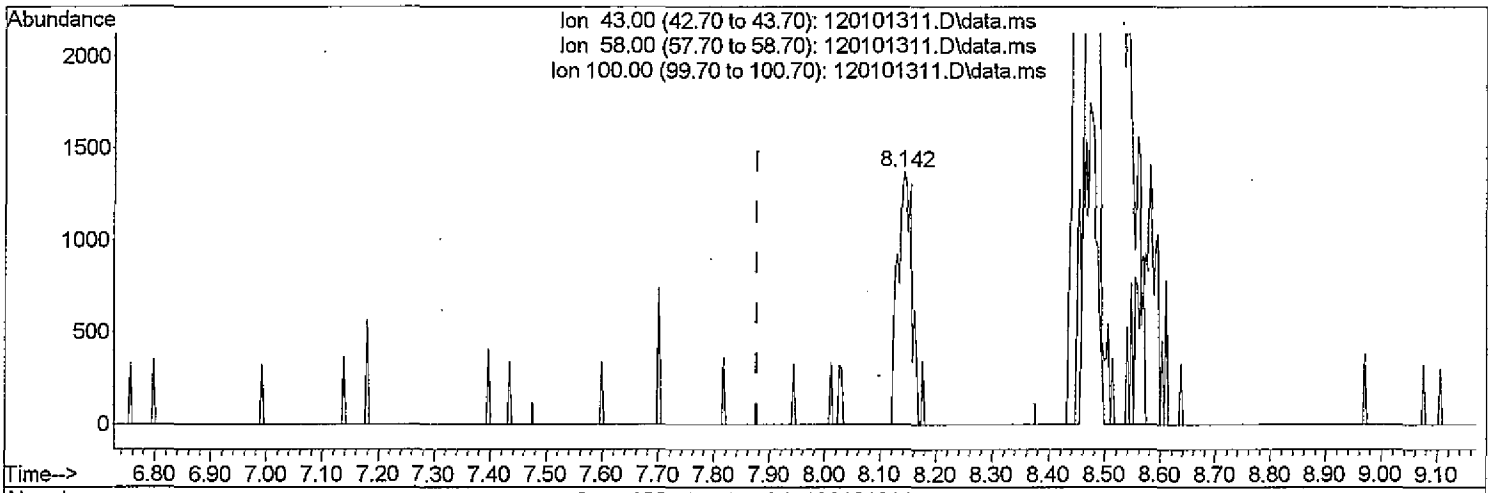
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

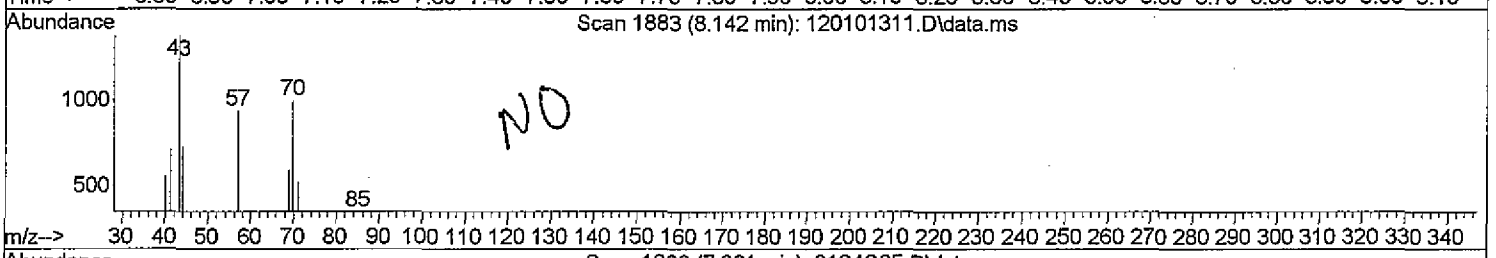
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

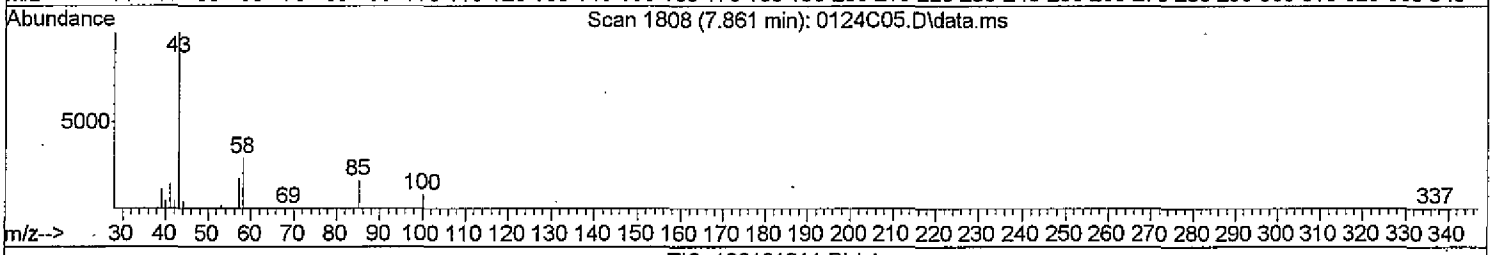
Quantitation Report (Qedit)

Data Path : D:\data\01272012\
Data File : 120101311.D
Acq On : 27 Jan 2012 3:43 pm
Operator : SCW OBB-AG5975
Sample : TB01;C
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 27 17:14:09 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101311.D\data.ms

(39) 4-METHYL-2-PENTANONE (TMCP)

8.142min (+0.266) 0.26ug/L X

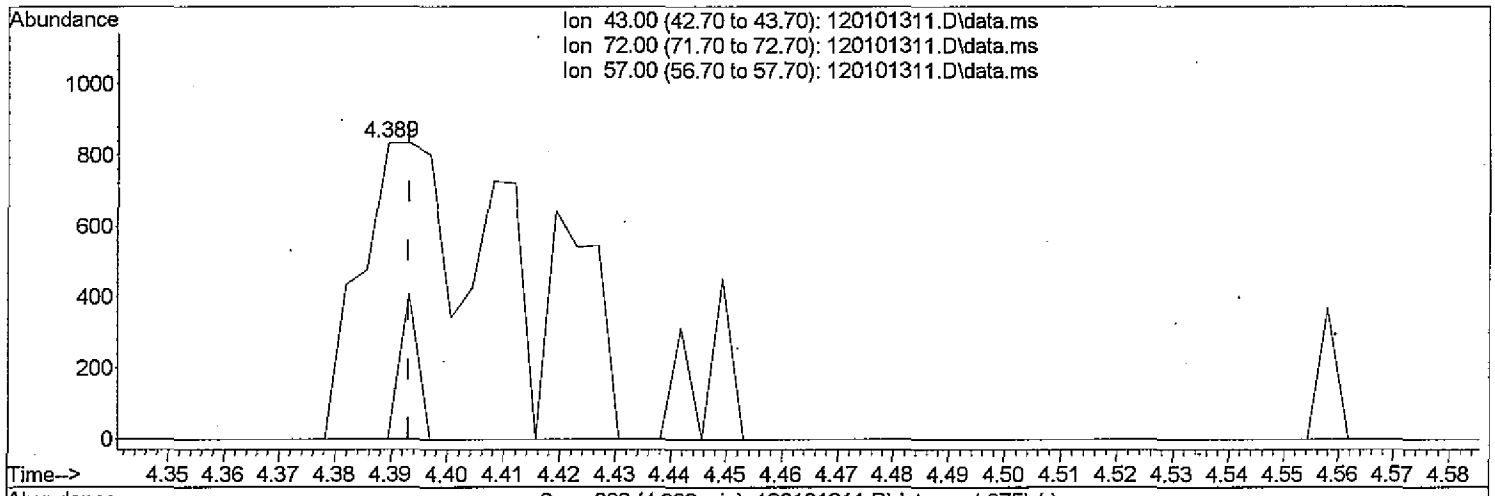
response 2405

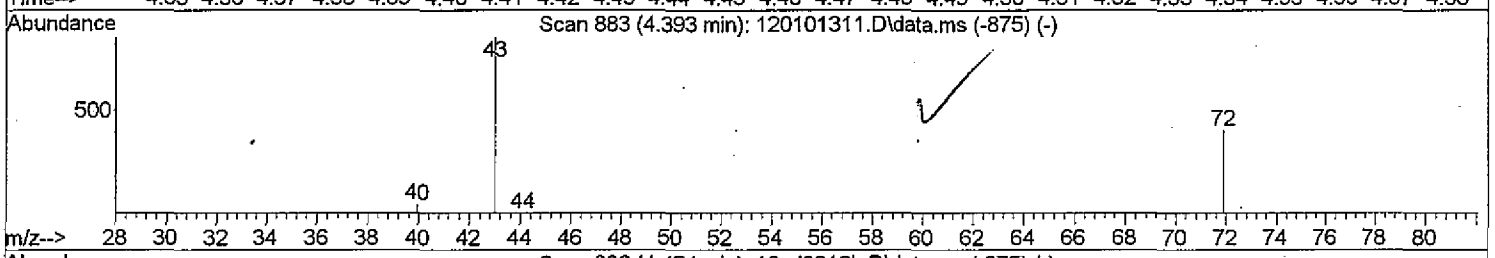
Ion	Exp%	Act%
43.00	100	100
58.00	36.60	0.00#
100.00	12.60	0.00#
0.00	0.00	0.00

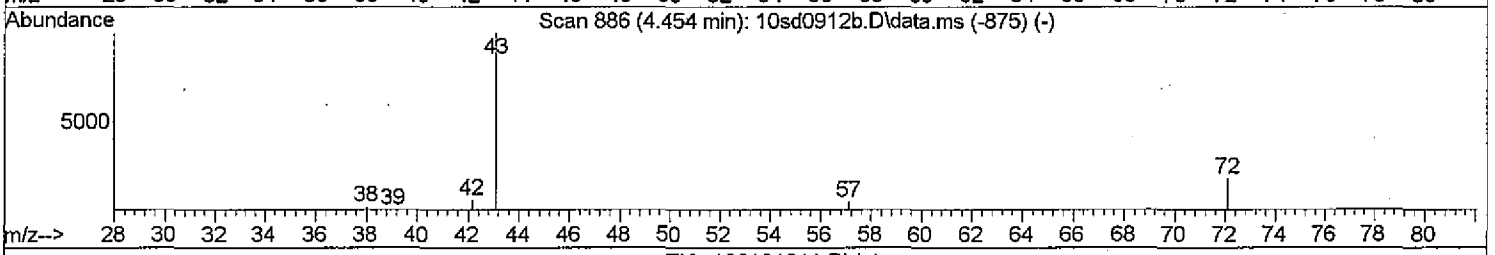
Quantitation Report (Qedit)

Data Path : D:\data\01272012\
Data File : 120101311.D
Acq On : 27 Jan 2012 3:43 pm
Operator : SCW OBB-AG5975
Sample : TB01;C
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 09:25:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101311.D\data.ms

(19) 2-BUTANONE (TMCP)

4.389min (-0.004) 0.30ug/L

response 1260

Ion	Exp%	Act%
43.00	100	100
72.00	18.60	0.00#
57.00	7.60	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 120101312.D
Acq On : 30 Jan 2012 3:20 pm
Operator : SCW OBB-AG5975
Sample : FB-03;N
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 07:51:58 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

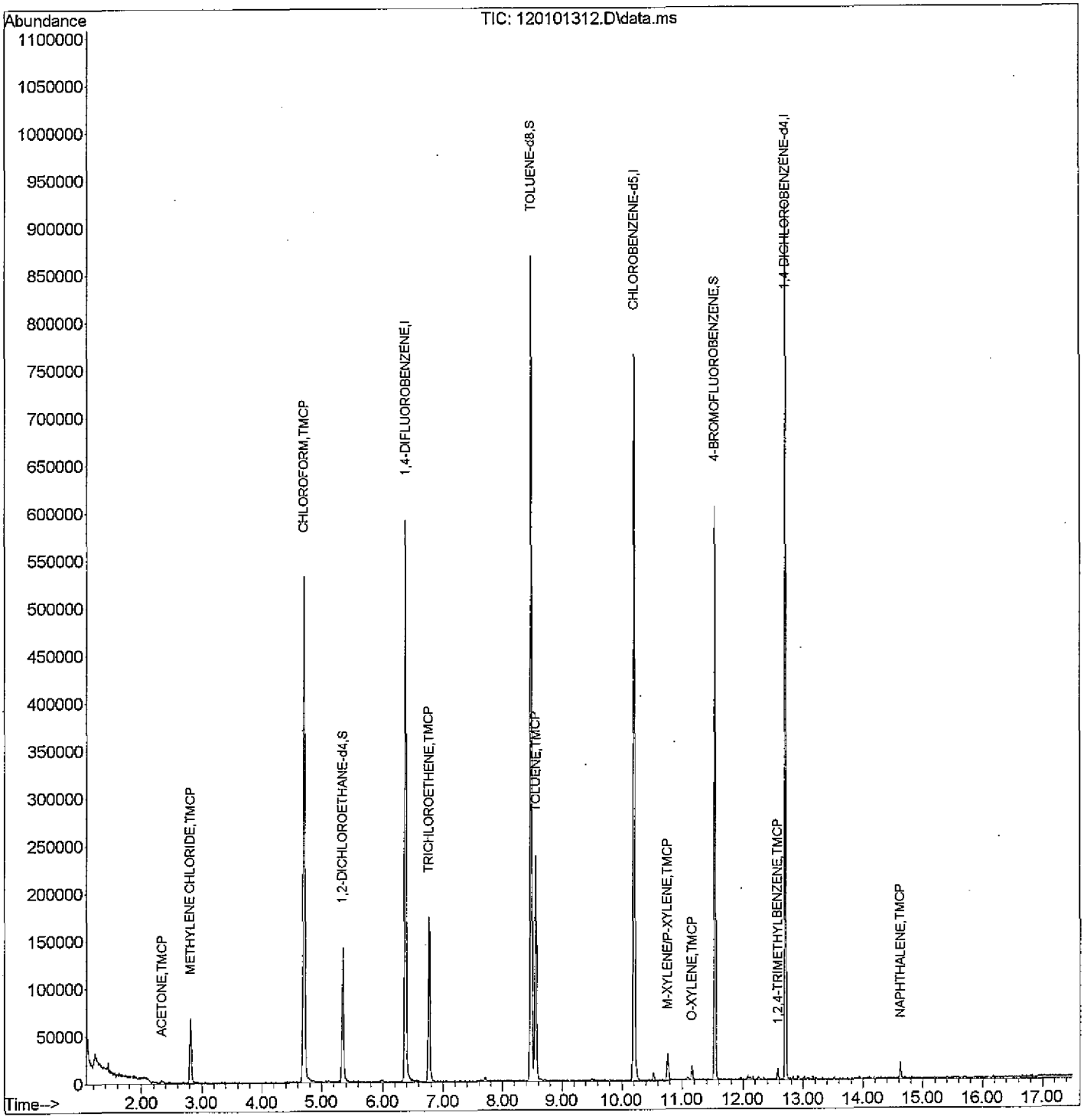
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	463097	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	419403	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	172403	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	92984	3.75 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 93.75%		
42) TOLUENE-d8	8.472	98	558200	3.70 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 92.50%		
60) 4-BROMOFLUOROBENZENE	11.531	95	163836	3.95 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 98.75%		
Target Compounds					Qvalue
8) ACETONE	2.343	43	4050	1.02 ug/L #J	71
11) METHYLENE CHLORIDE	2.811	84	26688	1.13 ug/L # ✓	83
22) CHLOROFORM	4.704	83	383493	8.30 ug/L ✓	99
33) TRICHLOROETHENE	6.770	130	55988	1.81 ug/L ✓	98
43) TOLUENE	8.554	92	95279	1.12 ug/L	99
53) M-XYLENE/P-XYLENE	10.762	106	8728	0.14 ug/L J	98
55) O-XYLENE	11.163	106	4826	0.08 ug/L #J	65
67) 1,2,4-TRIMETHYLBENZENE	12.576	105	5612	0.05 ug/L J	95
76) NAPHTHALENE	14.619	128	9532	0.27 ug/L #J	94

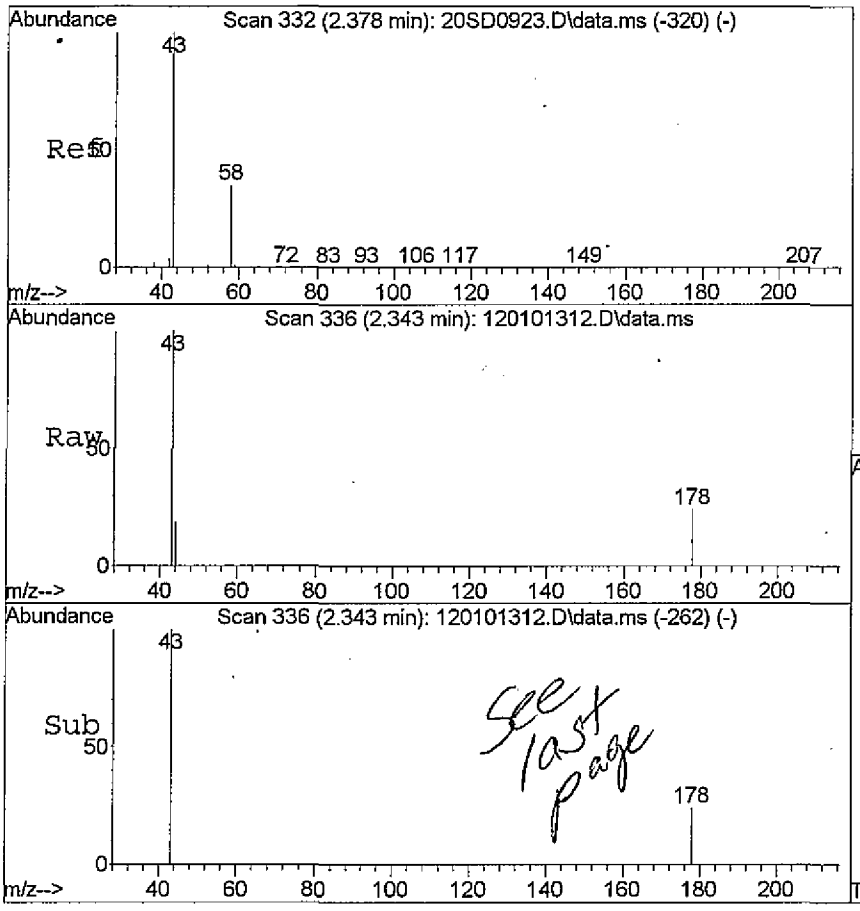
(#) = qualifier out of range (m) = manual integration (+) = signals summed

No TICs

Data Path : D:\data\01302012\
Data File : 120101312.D
Acq On : 30 Jan 2012 3:20 pm
Operator : SCW OBB-AG5975
Sample : FB-03;N
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 07:51:58 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration



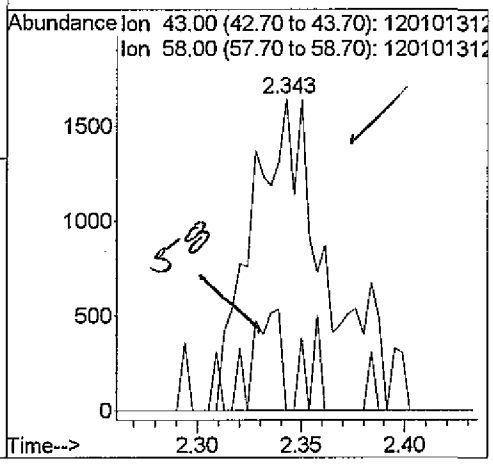


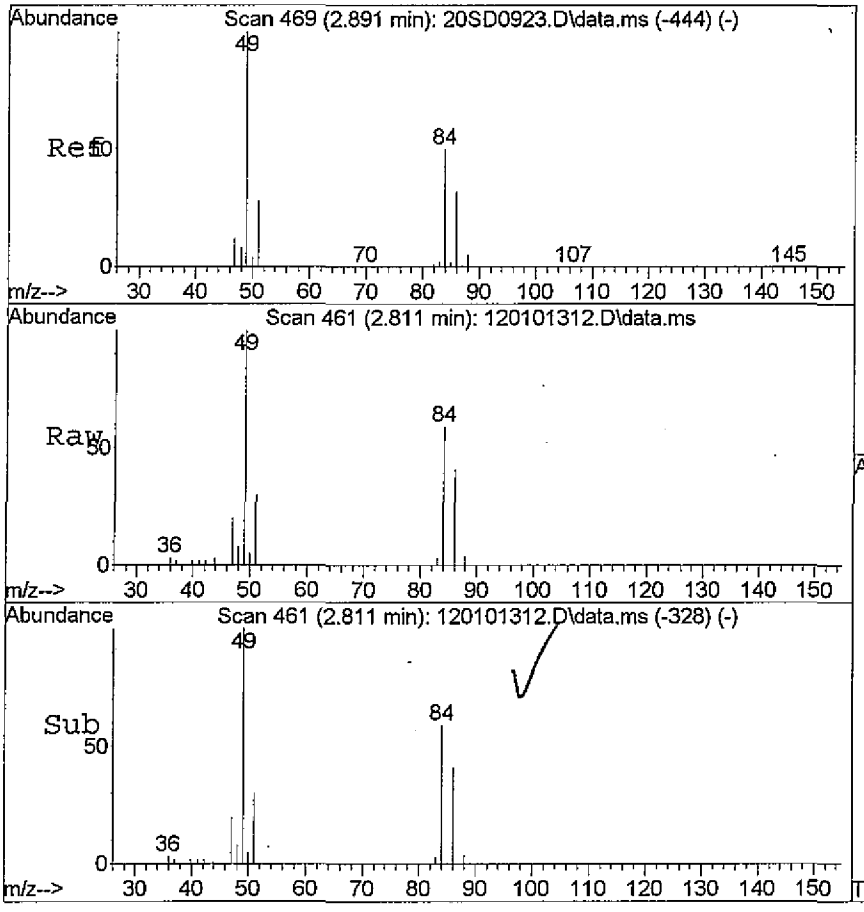
See last page

#8
ACETONE
Concen: 1.02 ug/L
RT: 2.343 min Scan# 336
Delta R.T. -0.023 min
Lab File: 120101312.D
Acq: 30 Jan 2012 3:20 pm

Tgt Ion: 43 Resp: 4050

Ion	Ratio	Lower	Upper
43	100		
58	12.6	22.5	33.7#

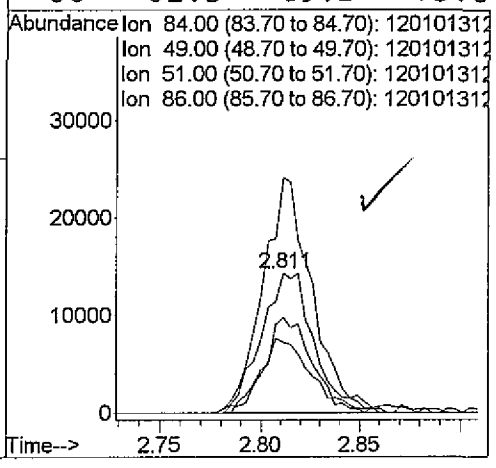


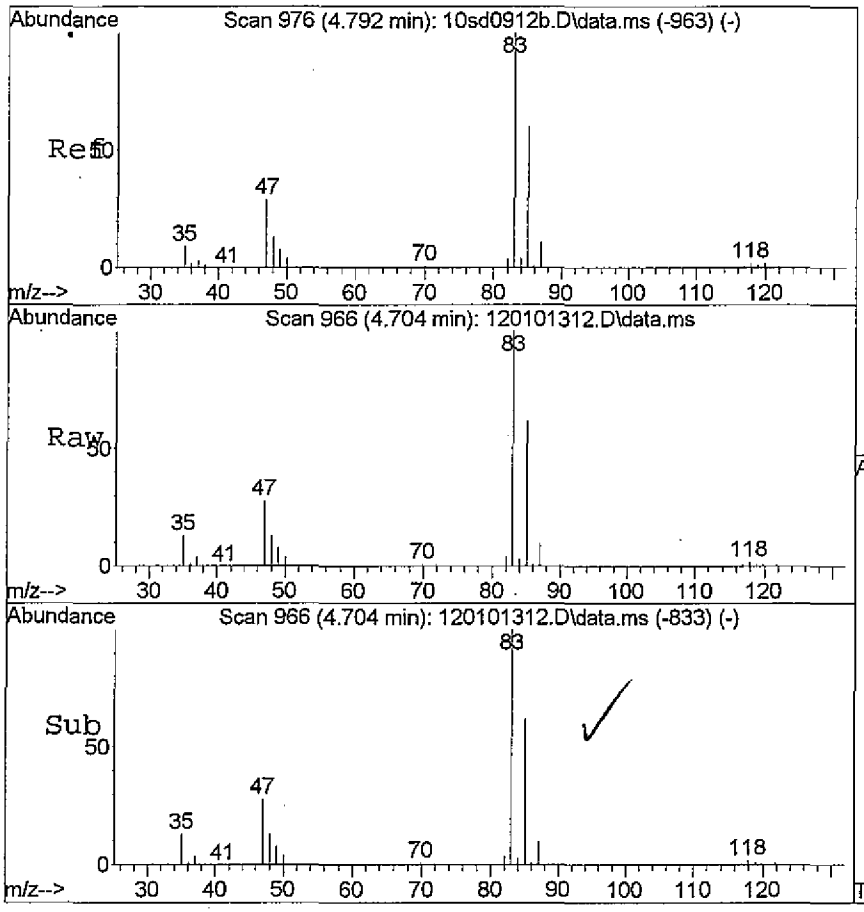


#11
METHYLENE CHLORIDE
Concen: 1.13 ug/L
RT: 2.811 min Scan# 461
Delta R.T. -0.000 min
Lab File: 120101312.D
Acq: 30 Jan 2012 3:20 pm

Tgt Ion: 84 Resp: 26688

Ion	Ratio	Lower	Upper
84	100		
49	156.0	102.1	153.1#
51	51.2	31.0	46.6#
86	61.5	49.2	73.8

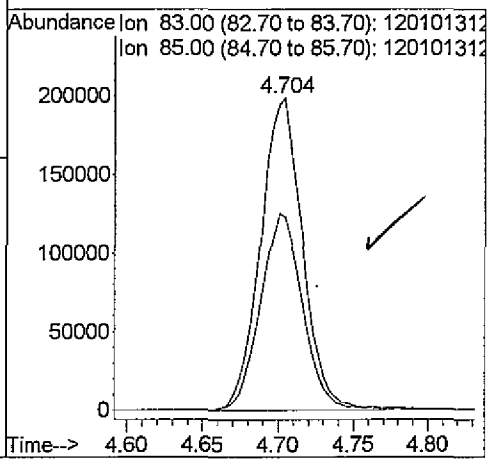


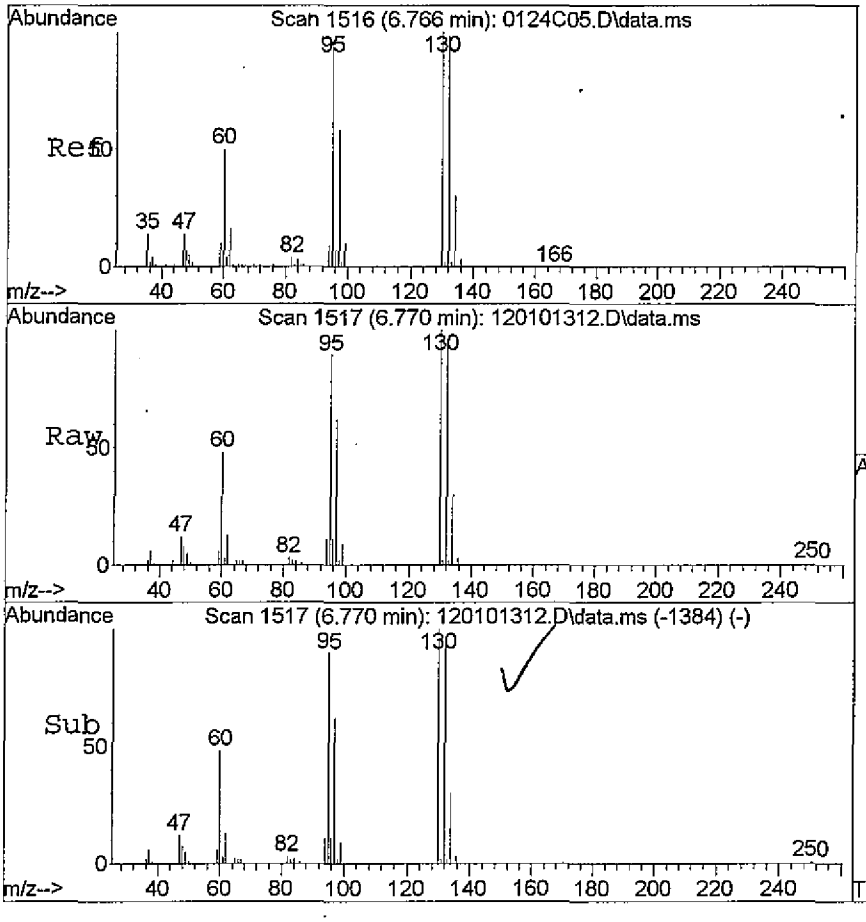


#22
CHLOROFORM
Concen: 8.30 ug/L
RT: 4.704 min Scan# 966
Delta R.T. -0.000 min
Lab File: 120101312.D
Acq: 30 Jan 2012 3:20 pm

Tgt Ion: 83 Resp: 383493

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.3	76.9

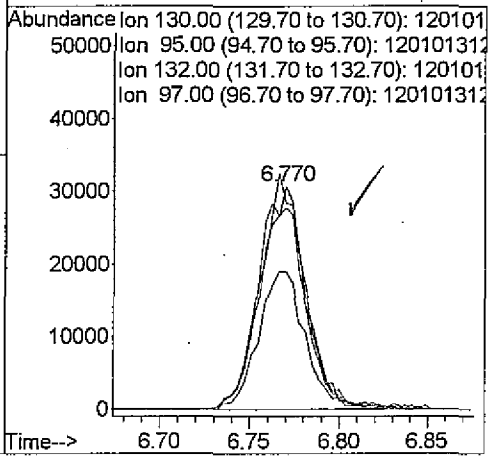


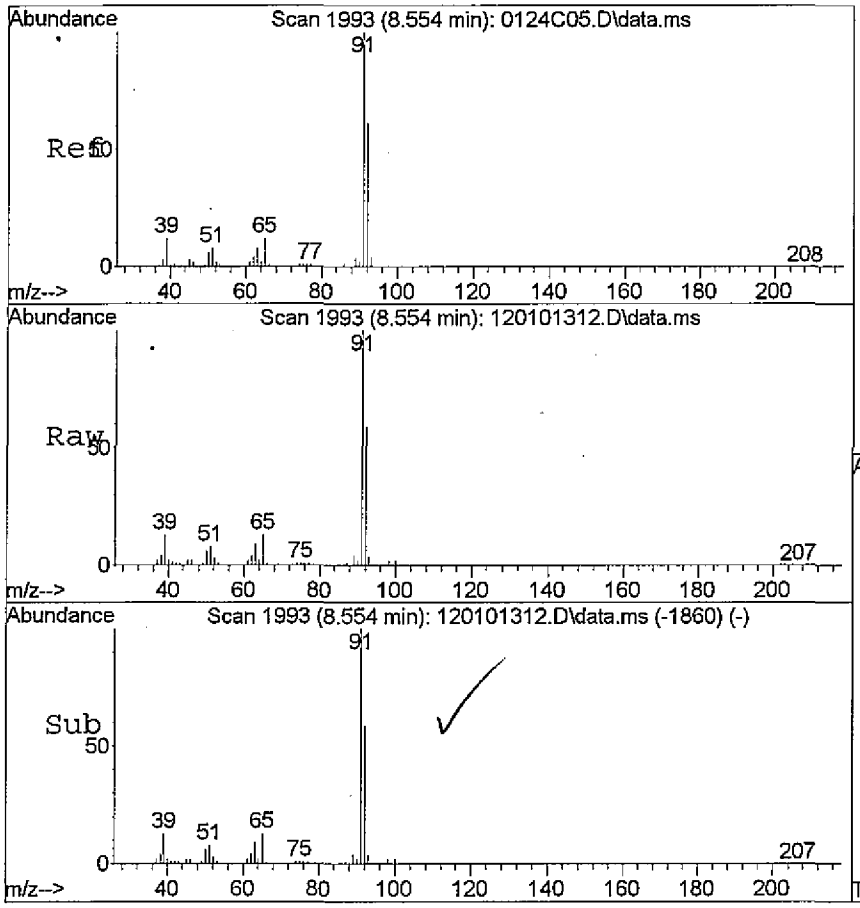


#33
TRICHLOROETHENE
Concen: 1.81 ug/L
RT: 6.770 min Scan# 1517
Delta R.T. -0.000 min
Lab File: 120101312.D
Acq: 30 Jan 2012 3:20 pm

Tgt Ion:130 Resp: 55988

Ion	Ratio	Lower	Upper
130	100		
95	91.6	74.6	111.8
132	99.3	77.6	116.4
97	61.0	48.0	72.0

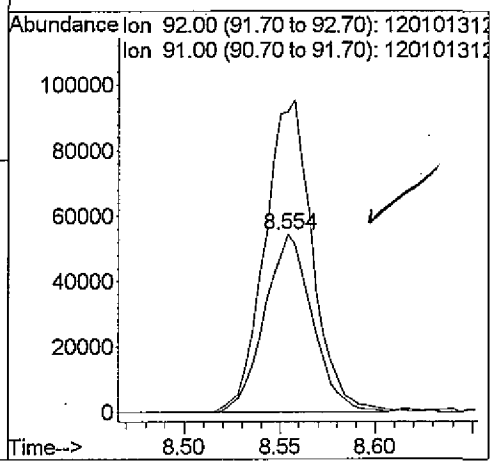


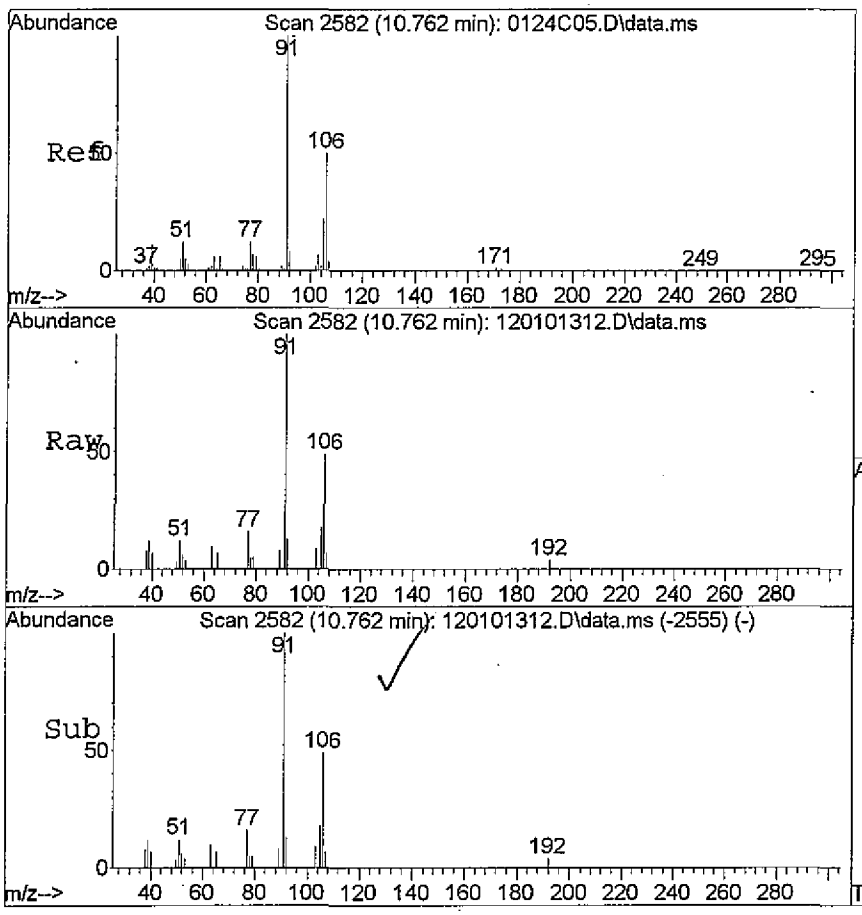


#43
TOLUENE
Concen: 1.12 ug/L
RT: 8.554 min Scan# 1993
Delta R.T. -0.000 min
Lab File: 120101312.D
Acq: 30 Jan 2012 3:20 pm

Tgt Ion: 92 Resp: 95279

Ion	Ratio	Lower	Upper
92	100		
91	175.2	139.3	208.9

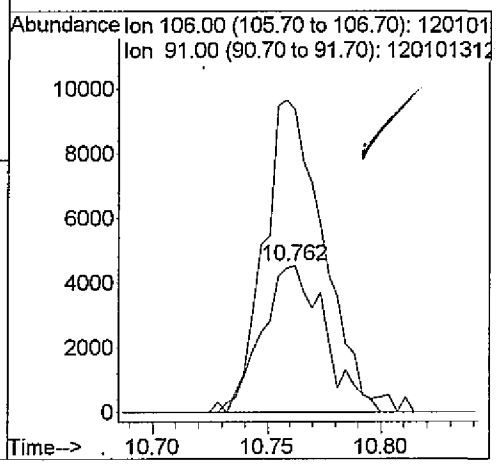


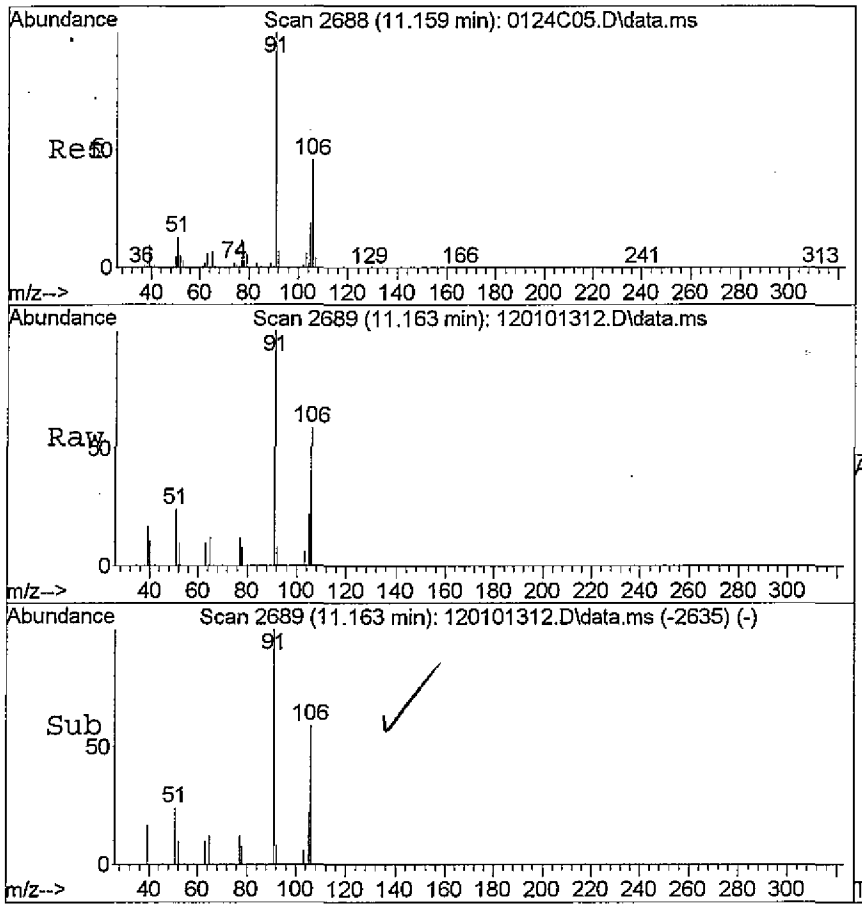


#53
M-XYLENE/P-XYLENE
Concen: 0.14 ug/L
RT: 10.762 min Scan# 2582
Delta R.T. -0.000 min
Lab File: 120101312.D
Acq: 30 Jan 2012 3:20 pm

Tgt Ion:106 Resp: 8728

Ion	Ratio	Lower	Upper
106	100		
91	203.6	164.8	247.2

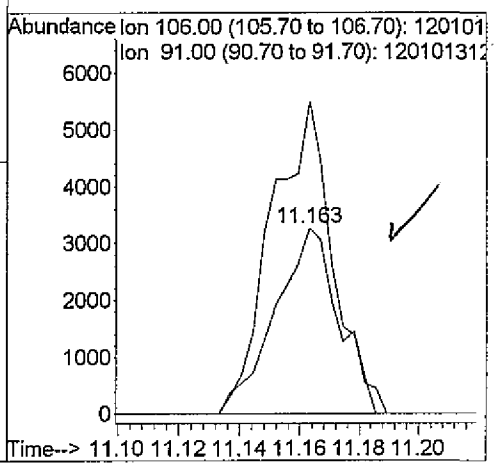


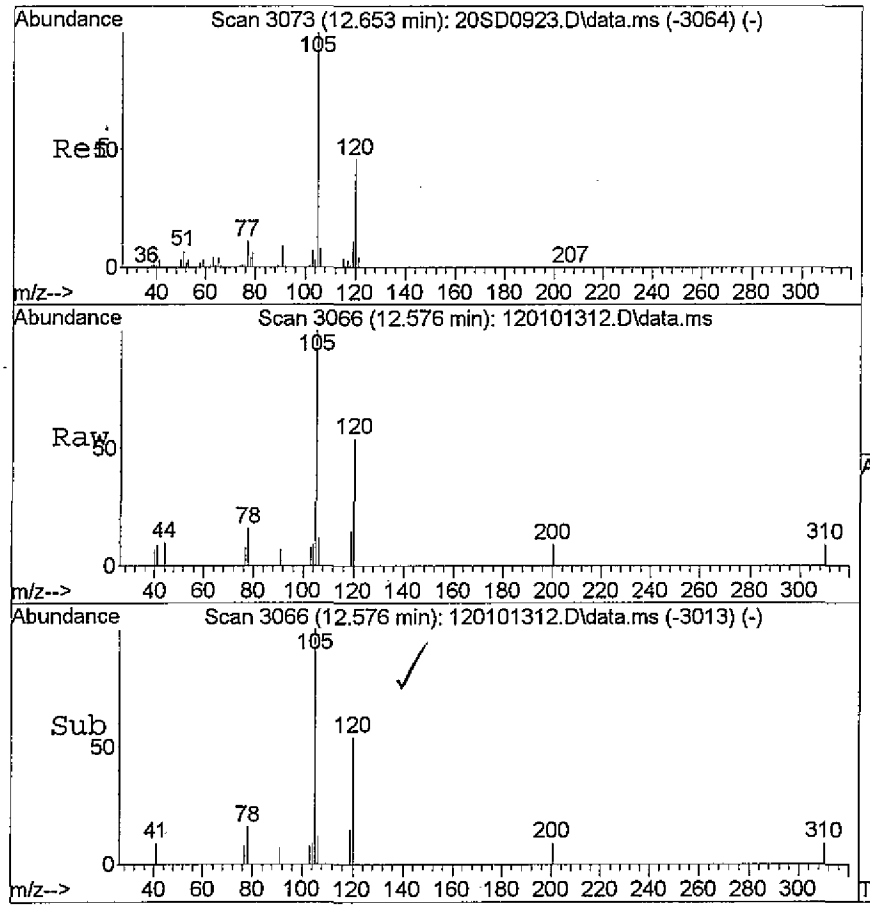


#55
O-XYLENE
Concen: 0.08 ug/L
RT: 11.163 min Scan# 2689
Delta R.T. 0.004 min
Lab File: 120101312.D
Acq: 30 Jan 2012 3:20 pm

Tgt Ion:106 Resp: 4826

Ion	Ratio	Lower	Upper
106	100		
91	161.4	173.3	259.9#

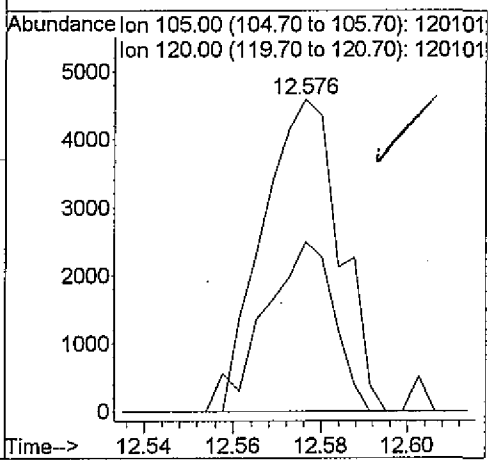


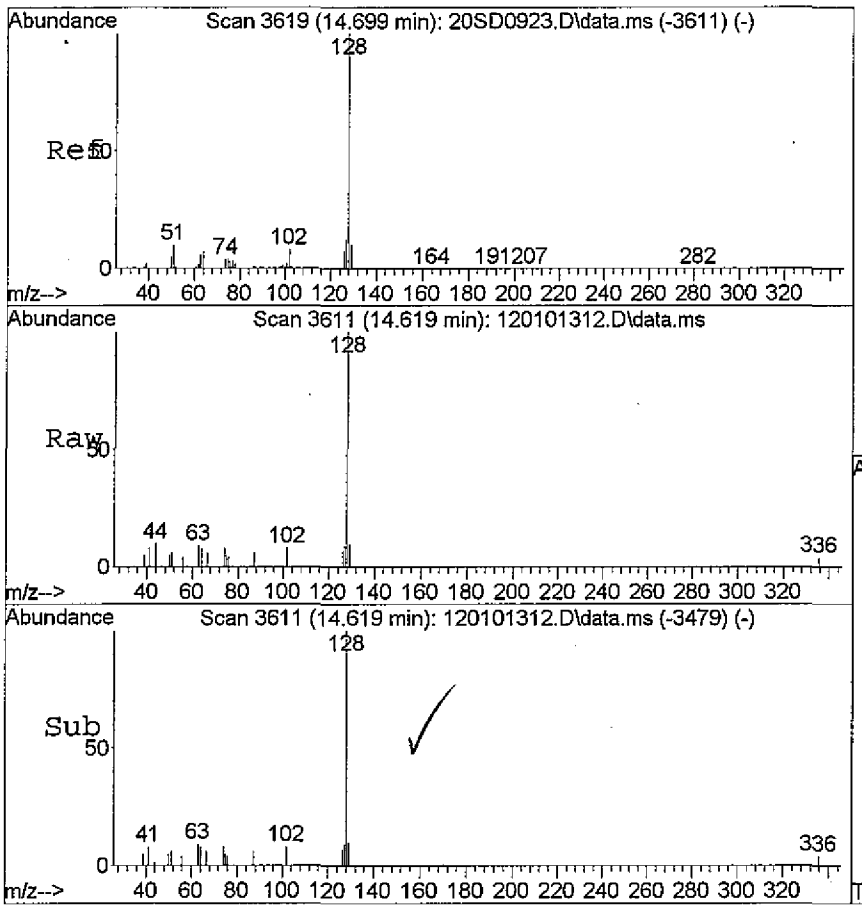


#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.05 ug/L
RT: 12.576 min Scan# 3066
Delta R.T. -0.000 min
Lab File: 120101312.D
Acq: 30 Jan 2012 3:20 pm

Tgt Ion:105 Resp: 5612

Ion	Ratio	Lower	Upper
105	100		
120	48.9	36.6	55.0

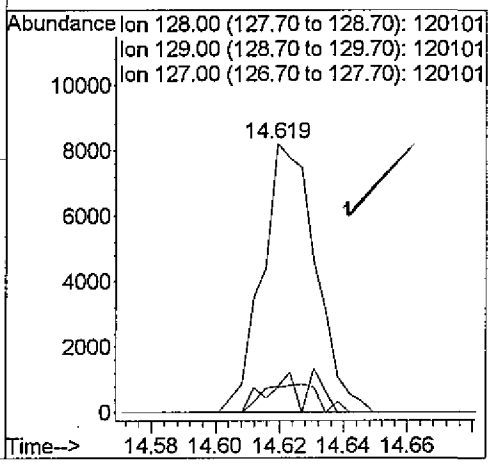




#76
NAPHTHALENE
Concen: 0.27 ug/L
RT: 14.619 min Scan# 3611
Delta R.T. -0.004 min
Lab File: 120101312.D
Acq: 30 Jan 2012 3:20 pm

Tgt Ion:128 Resp: 9532

Ion	Ratio	Lower	Upper
128	100		
129	7.3	8.7	13.1#
127	11.3	10.2	15.2



LSC Area Percent Report

Data Path : D:\data\01302012\
Data File : 120101312.D
Acq On : 30 Jan 2012 3:20 pm
Operator : SCW OBB-AG5975
Sample : FB-03;N
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1 % of largest Peak
Max Peaks: 95
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.226	30	38	42	rBV2	13597	22150	1.46%	0.274%
2	2.811	451	461	476	rBV2	68301	126482	8.35%	1.566%
3	4.700	951	965	983	rBV	532022	1013413	66.89%	12.551%
4	5.342	1124	1136	1155	rVB3	141291	269524	17.79%	3.338%
5	6.376	1399	1412	1434	rBV2	591959	1075193	70.97%	13.316%
6	6.766	1503	1516	1539	rVB4	174528	322759	21.30%	3.997%
7	8.472	1957	1971	1984	rBV	868555	1515005	100.00%	18.763%
8	8.554	1984	1993	2011	rVB	235746	429518	28.35%	5.320%
9	10.200	2416	2432	2455	rBV	764270	1283183	84.70%	15.892%
10	10.762	2571	2582	2594	rVB3	27563	49343	3.26%	0.611%
11	11.163	2679	2689	2696	rVB2	15567	21333	1.41%	0.264%
12	11.531	2777	2787	2802	rBV	604050	799757	52.79%	9.905%
13	12.700	3086	3099	3117	rBV	923804	1123030	74.13%	13.909%
14	14.623	3604	3612	3619	rBV2	17583	23676	1.56%	0.293%

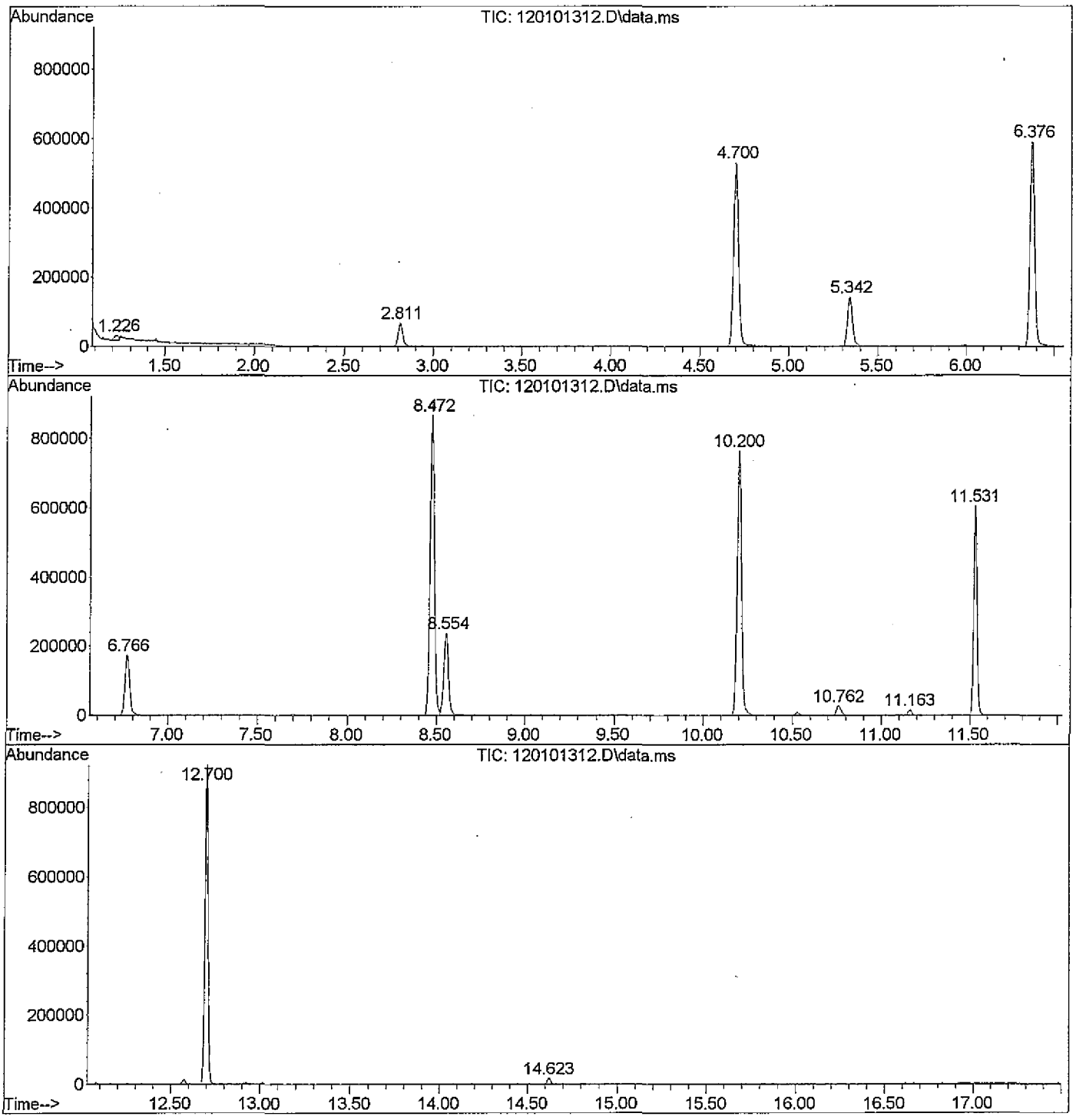
Sum of corrected areas: 8074366

DIM0218843 DIM0219298

Data Path : D:\data\01302012\
Data File : 120101312.D
Acq On : 30 Jan 2012 3:20 pm
Operator : SCW OBB-AG5975
Sample : FB-03;N
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01302012\
Data File : 120101312.D
Acq On : 30 Jan 2012 3:20 pm
Operator : SCW OBB-AG5975
Sample : FB-03;N
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) Summary

Data Path : D:\data\01302012\
Data File : 120101312.D
Acq On : 30 Jan 2012 3:20 pm
Operator : SCW OBB-AG5975
Sample : FB-03;N
Misc :
ALS Vial : 1 Sample Multiplier: 1

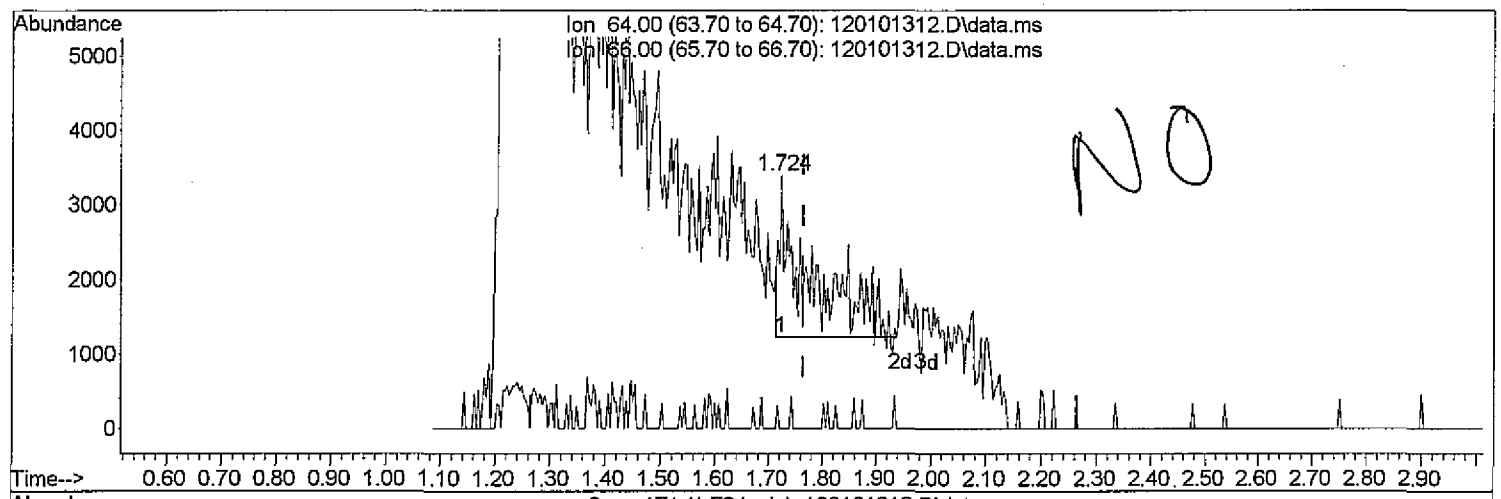
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

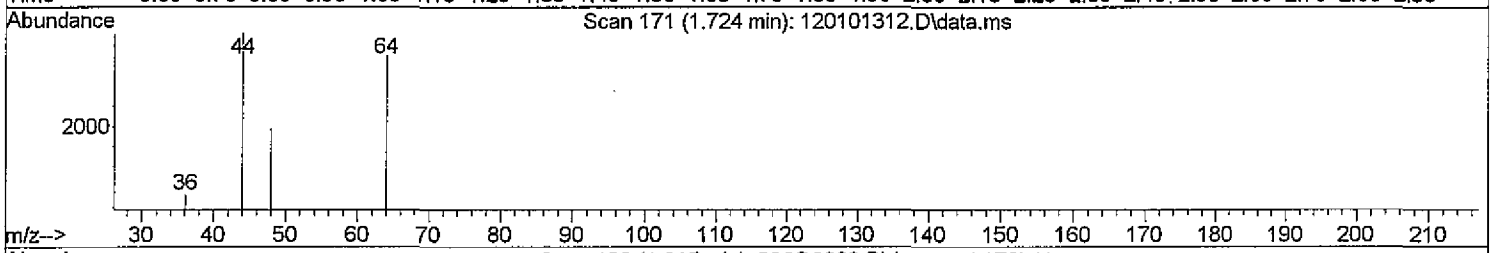
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

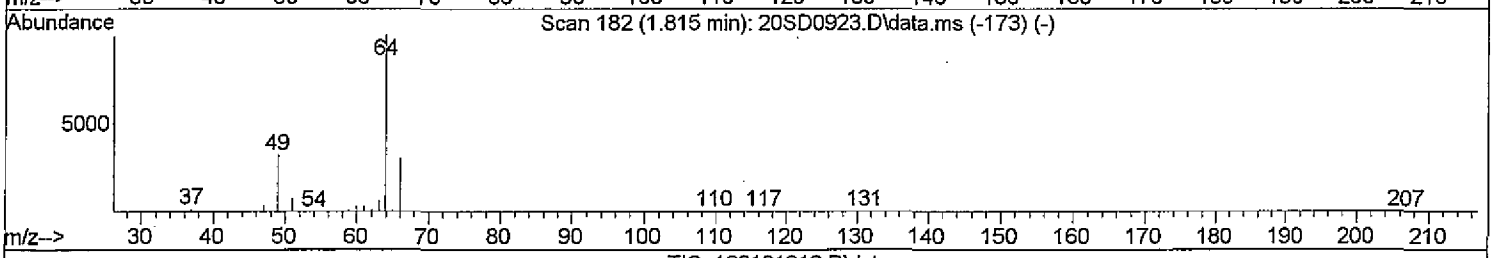
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

Data Path : D:\data\01302012\
Data File : 120101312.D
Acq On : 30 Jan 2012 3:20 pm
Operator : SCW OBB-AG5975
Sample : FB-03;N
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 07:46:55 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101312.D\data.ms

(6) CHLOROETHANE (TMCP)

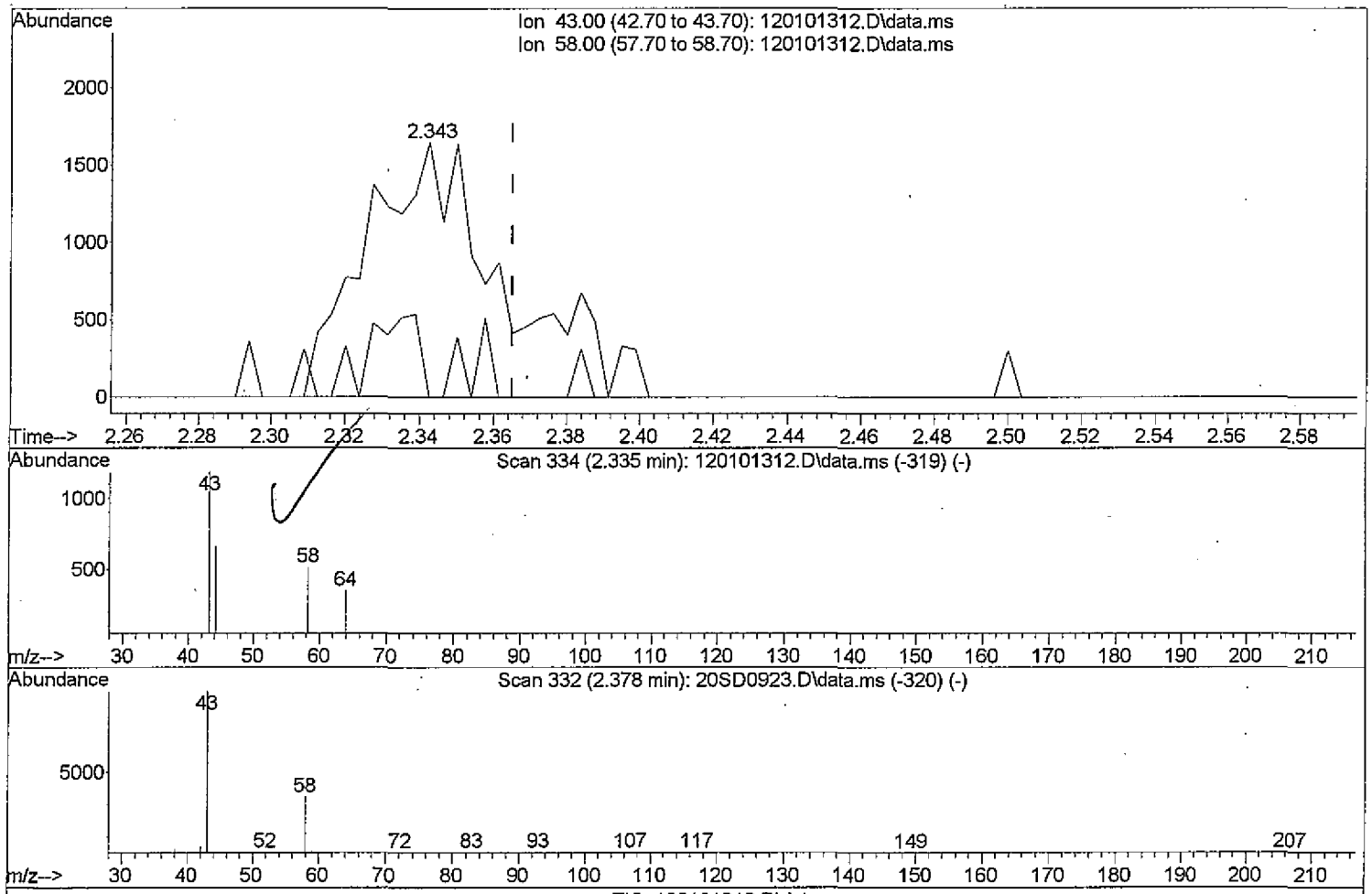
1.724min (-0.041) 0.29ug/L

response 8189

Ion	Exp%	Act%
64.00	100	100
66.00	31.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\data\01302012\
Data File : 120101312.D
Acq On : 30 Jan 2012 3:20 pm
Operator : SCW OBB-AG5975
Sample : FB-03;N
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 07:51:58 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration



TIC: 120101312.D\data.ms

(8) ACETONE (TMCP)

2.343min (-0.023) 1.02ug/L

response 4050

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	12.57#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 120101313.D
Acq On : 30 Jan 2012 4:43 pm
Operator : SCW OBB-AG5975
Sample : HW02; N
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 31 07:47:38 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

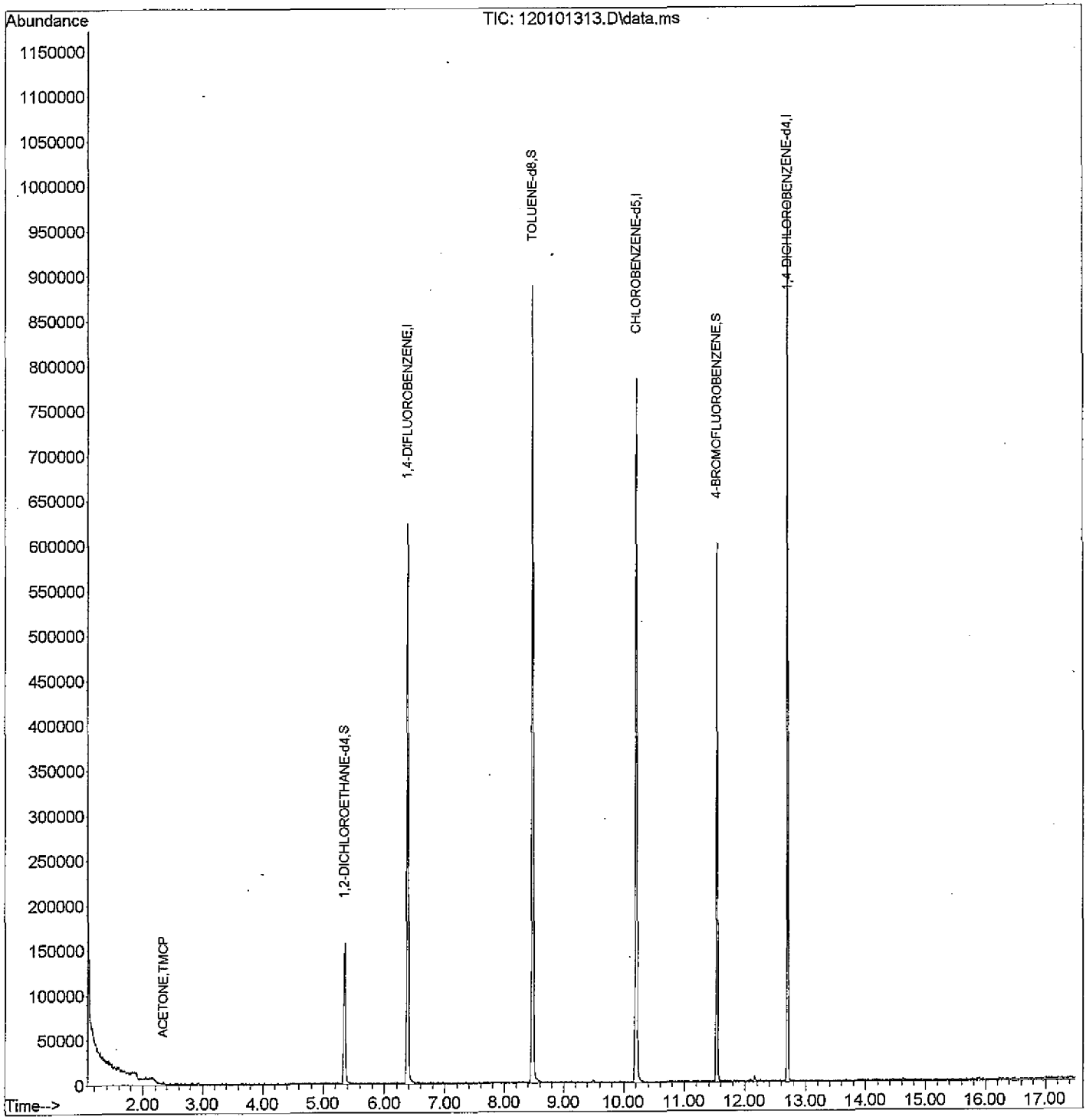
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	468779	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	418147	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	180121	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	101219	4.03 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 100.75%		
42) TOLUENE-d8	8.471	98	564818	3.76 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 94.00%		
60) 4-BROMOFLUOROBENZENE	11.530	95	158617	3.66 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 91.50%		
Target Compounds					Qvalue
8) ACETONE	2.339	43	1171	0.29 ug/L	#BJ47

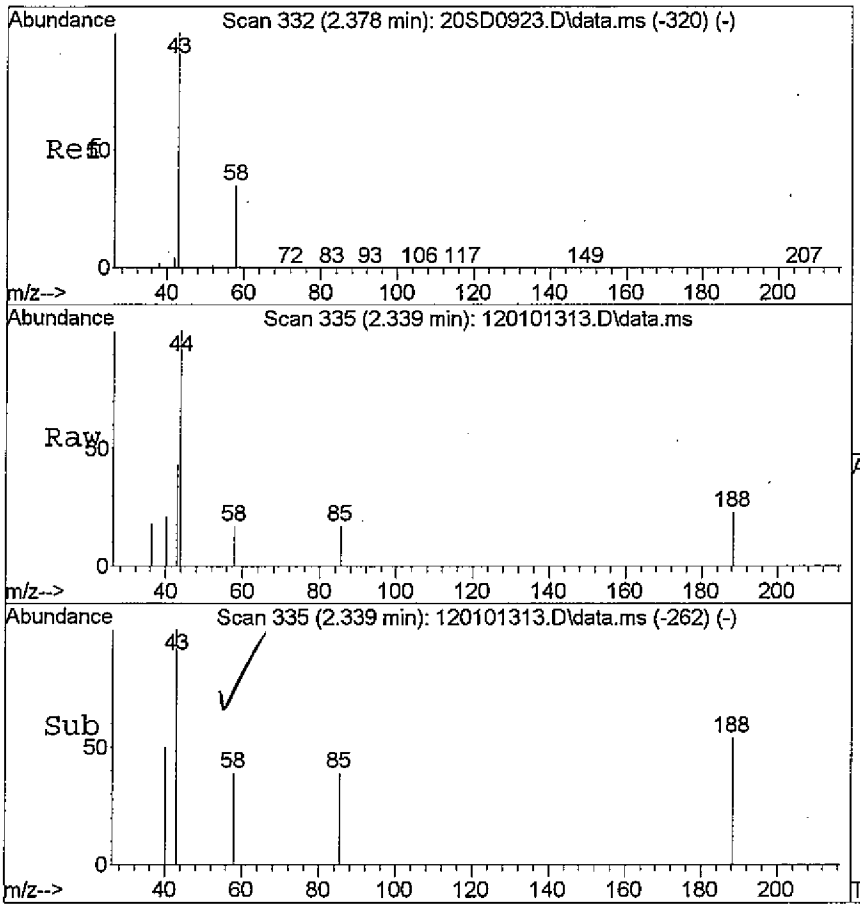
(#) = qualifier out of range (m) = manual integration (+) = signals summed

NO TICS

Data Path : D:\data\01302012\
Data File : 120101313.D
Acq On : 30 Jan 2012 4:43 pm
Operator : SCW OBB-AG5975
Sample : HW02; N
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 31 07:47:38 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

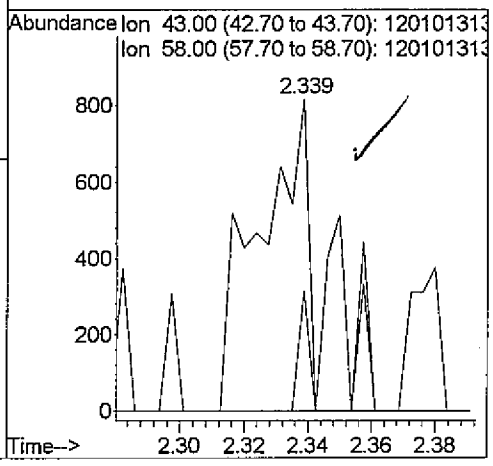




#8
ACETONE
Concen: 0.29 ug/L
RT: 2.339 min Scan# 335
Delta R.T. -0.026 min
Lab File: 120101313.D
Acq: 30 Jan 2012 4:43 pm

Tgt Ion: 43 Resp: 1171

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#



LSC Area Percent Report

Data Path : D:\data\01302012\
Data File : 120101313.D
Acq On : 30 Jan 2012 4:43 pm
Operator : SCW OBB-AG5975
Sample : HW02; N
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.349	1126	1138	1150	rBV	156981	300655	19.60%	4.848%
2	6.380	1399	1413	1433	rBV	623126	1086201	70.81%	17.517%
3	8.471	1957	1971	1988	rBV	886689	1534053	100.00%	24.739%
4	10.200	2421	2432	2455	rBV2	783929	1317640	85.89%	21.249%
5	11.530	2773	2787	2800	rBV	598915	805066	52.48%	12.983%
6	12.700	3089	3099	3109	rBV	977027	1157401	75.45%	18.665%

Sum of corrected areas: 6201016

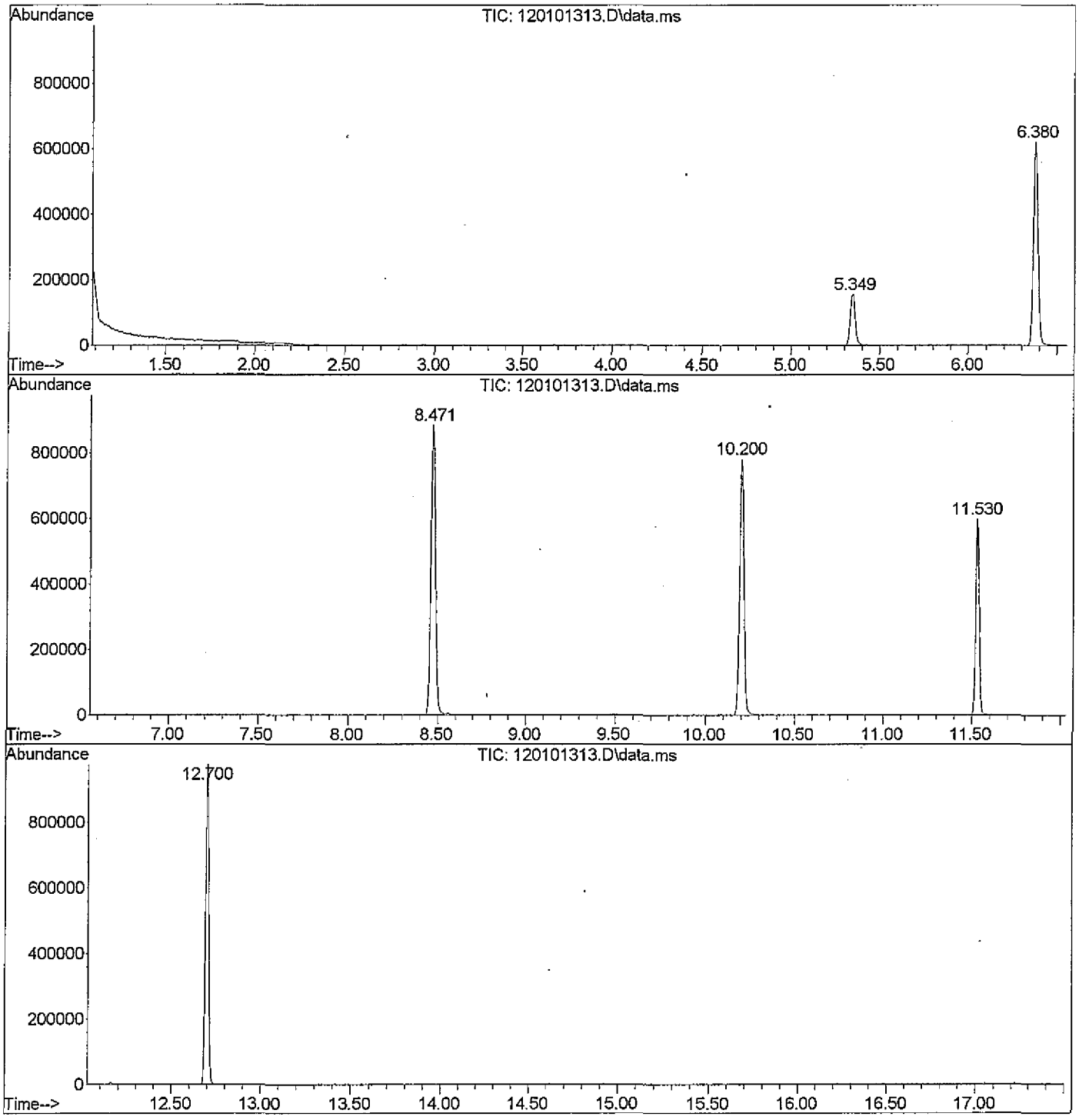
DIM0218843 DIM0219307

LSC Report - Integrated Chromatogram

Data Path : D:\data\01302012\
Data File : 120101313.D
Acq On : 30 Jan 2012 4:43 pm
Operator : SCW OBB-AG5975
Sample : HW02; N
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01302012\
Data File : 120101313.D
Acq On : 30 Jan 2012 4:43 pm
Operator : SCW OBB-AG5975
Sample : HW02; N
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01302012\
Data File : 120101313.D
Acq On : 30 Jan 2012 4:43 pm
Operator : SCW OBB-AG5975
Sample : HW02; N
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 120101314.D
Acq On : 30 Jan 2012 5:10 pm
Operator : SCW OBB-AG5975
Sample : HW02Z; O
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 08:01:56 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	470719	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	417611	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	176010	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.342	65	104493	4.15 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 103.75%		
42) TOLUENE-d8	8.472	98	568081	3.78 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 94.50%		
60) 4-BROMOFLUOROBENZENE	11.534	95	161350	3.81 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 95.25%		

Target Compounds Qvalue

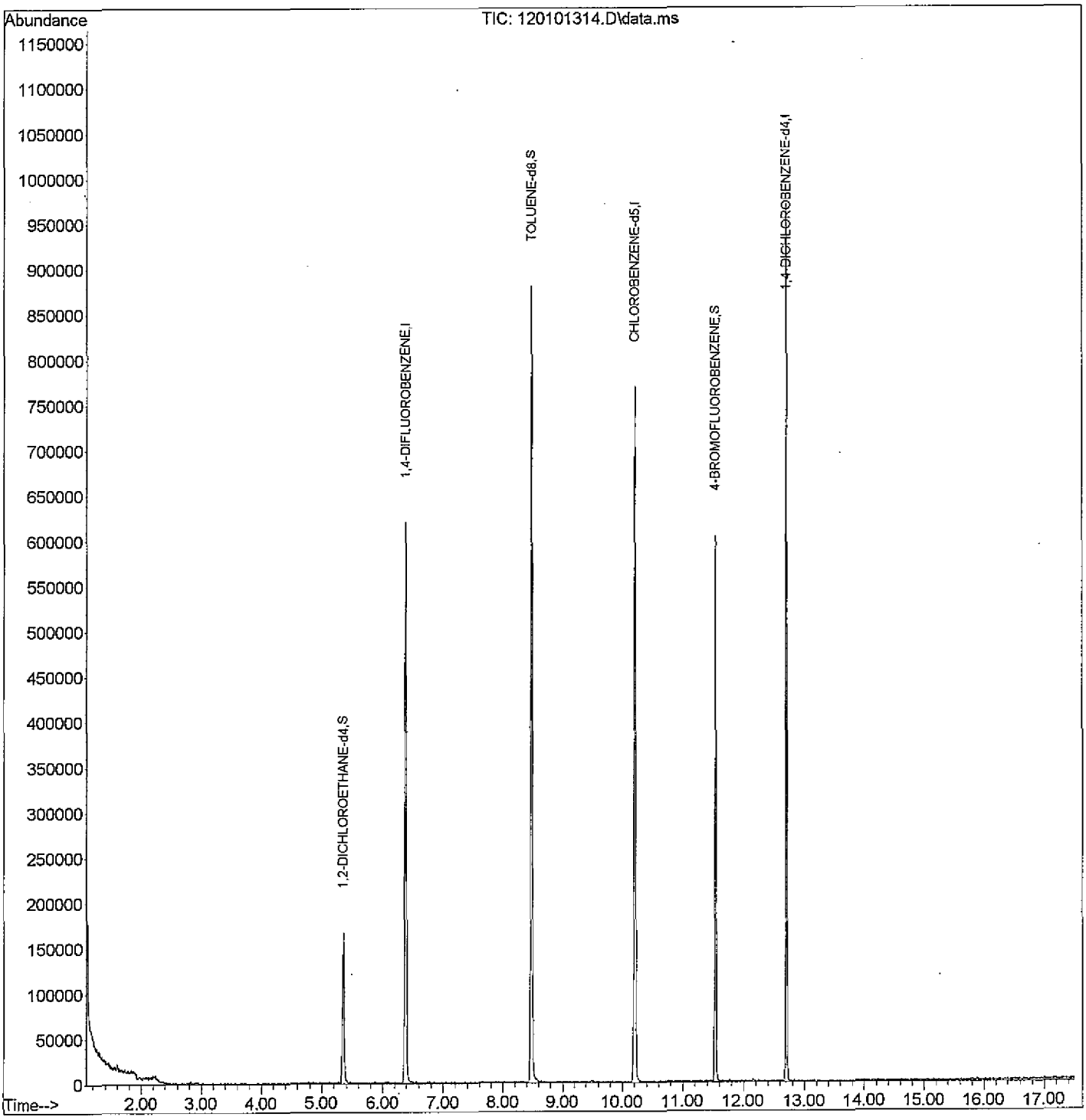
(#) = qualifier out of range (m) = manual integration (+) = signals summed

NO TICS

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 120101314.D
Acq On : 30 Jan 2012 5:10 pm
Operator : SCW OBB-AG5975
Sample : HW02Z; O
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 08:01:56 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration



LSC Area Percent Report

Data Path : D:\data\01302012\
Data File : 120101314.D
Acq On : 30 Jan 2012 5:10 pm
Operator : SCW OBB-AG5975
Sample : HW02Z; O
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.345	1124	1137	1159	rBV	166254	312035	20.27%	5.029%
2	6.380	1394	1413	1437	rBV	620110	1095335	71.14%	17.655%
3	8.475	1958	1972	1992	rBV	880665	1539628	100.00%	24.816%
4	10.200	2420	2432	2454	rVB	770061	1305975	84.82%	21.050%
5	11.531	2775	2787	2799	rBV	604249	808873	52.54%	13.037%
6	12.700	3090	3099	3110	rBV	970798	1142403	74.20%	18.413%

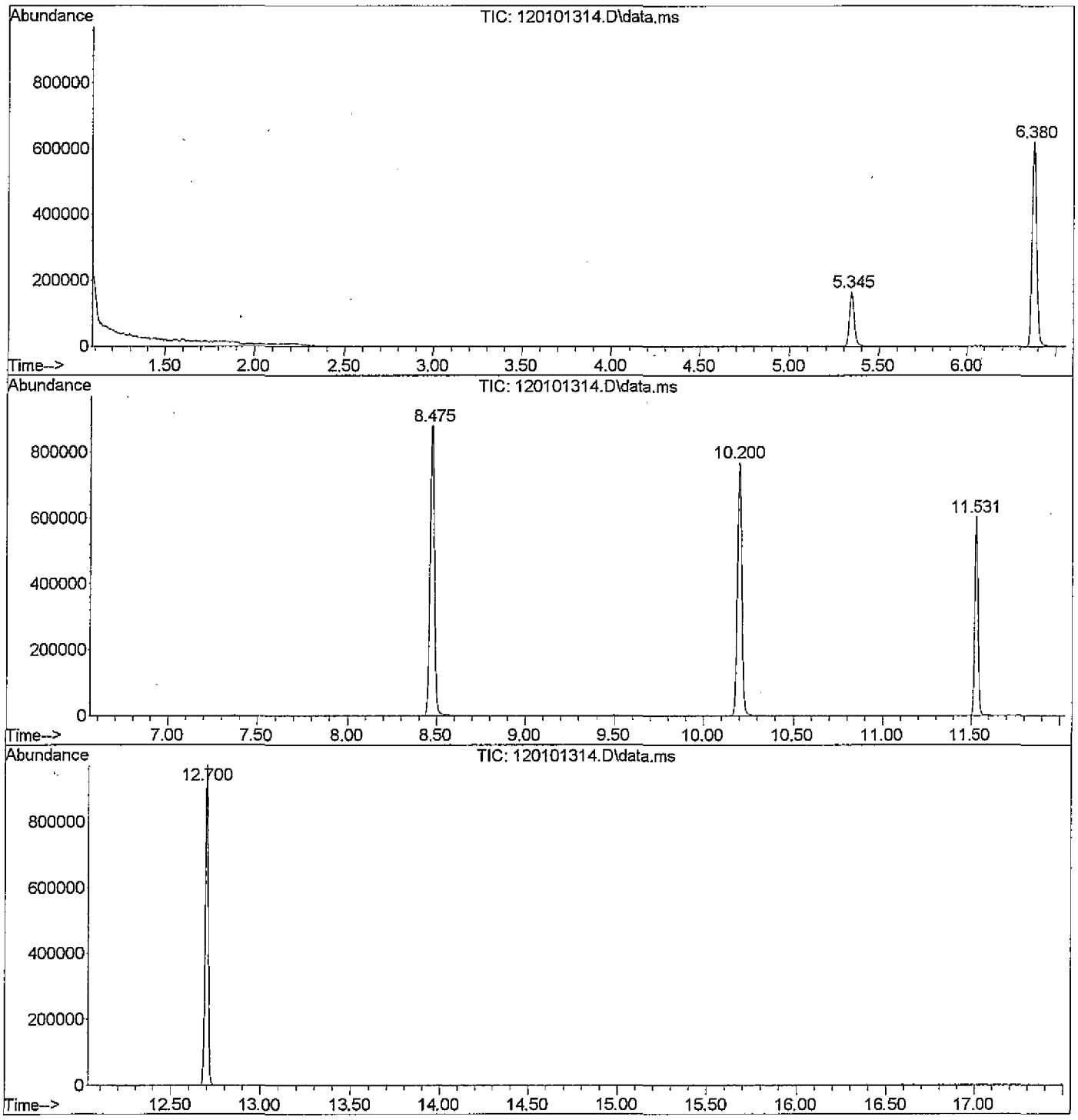
Sum of corrected areas: 6204249

LSC Report - Integrated Chromatogram

Data Path : D:\data\01302012\
Data File : 120101314.D
Acq On : 30 Jan 2012 5:10 pm
Operator : SCW OBB-AG5975
Sample : HW02Z; O
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01302012\
Data File : 120101314.D
Acq On : 30 Jan 2012 5:10 pm
Operator : SCW OBB-AG5975
Sample : HW02Z; O
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01302012\
Data File : 120101314.D
Acq On : 30 Jan 2012 5:10 pm
Operator : SCW OBB-AG5975
Sample : HW02Z; O
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

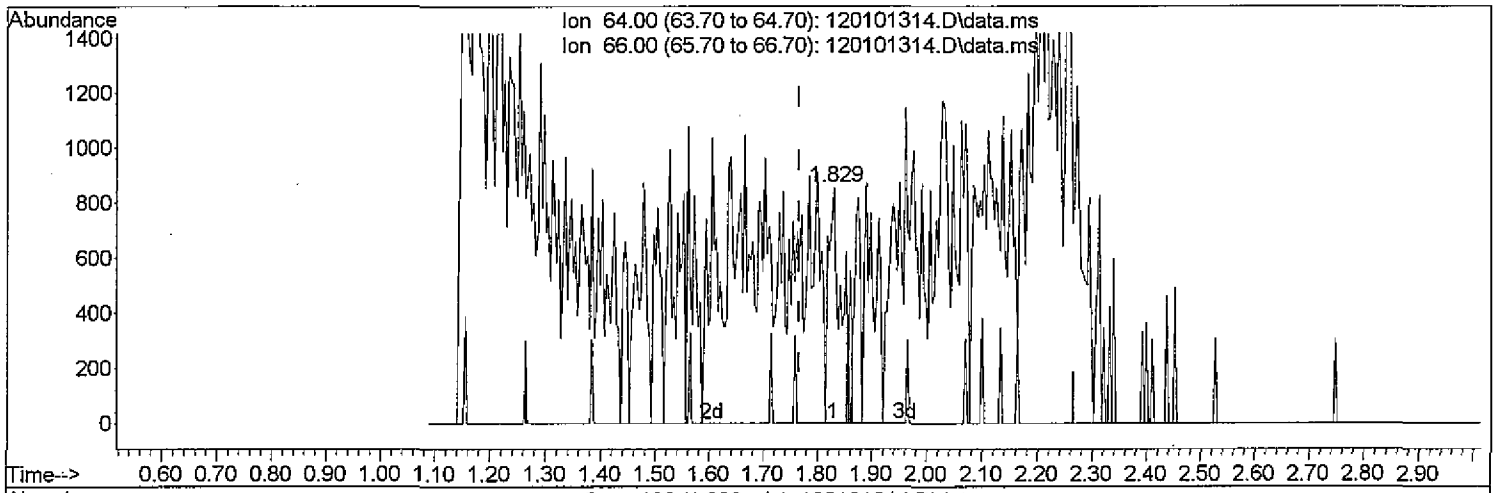
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

DIM0218843 DIM0219316

Quantitation Report (Qedit)

Data Path : D:\data\01302012\
Data File : 120101314.D
Acq On : 30 Jan 2012 5:10 pm
Operator : SCW OBB-AG5975
Sample : HW02Z; O
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 07:47:51 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration



TIC: 120101314.D\data.ms

(6) CHLOROETHANE (TMCP)

1.829min (+0.064) 0.05ug/L

response 1457

Ion	Exp%	Act%
64.00	100	100
66.00	31.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 120101315.D
Acq On : 30 Jan 2012 5:38 pm
Operator : SCW OBB-AG5975
Sample : HW01; L
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 31 08:04:24 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	458718	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	417690	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	175760	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.349	65	100125	4.08 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 102.00%		
42) TOLUENE-d8	8.475	98	546973	3.64 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 91.00%		
60) 4-BROMOFLUOROBENZENE	11.530	95	159027	3.76 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 94.00%		
Target Compounds					Qvalue
8) ACETONE	2.331	43	4460	1.14 ug/L	#B,J 47
14) METHYL ACETATE	2.946	43	2009m	0.31 ug/L	J

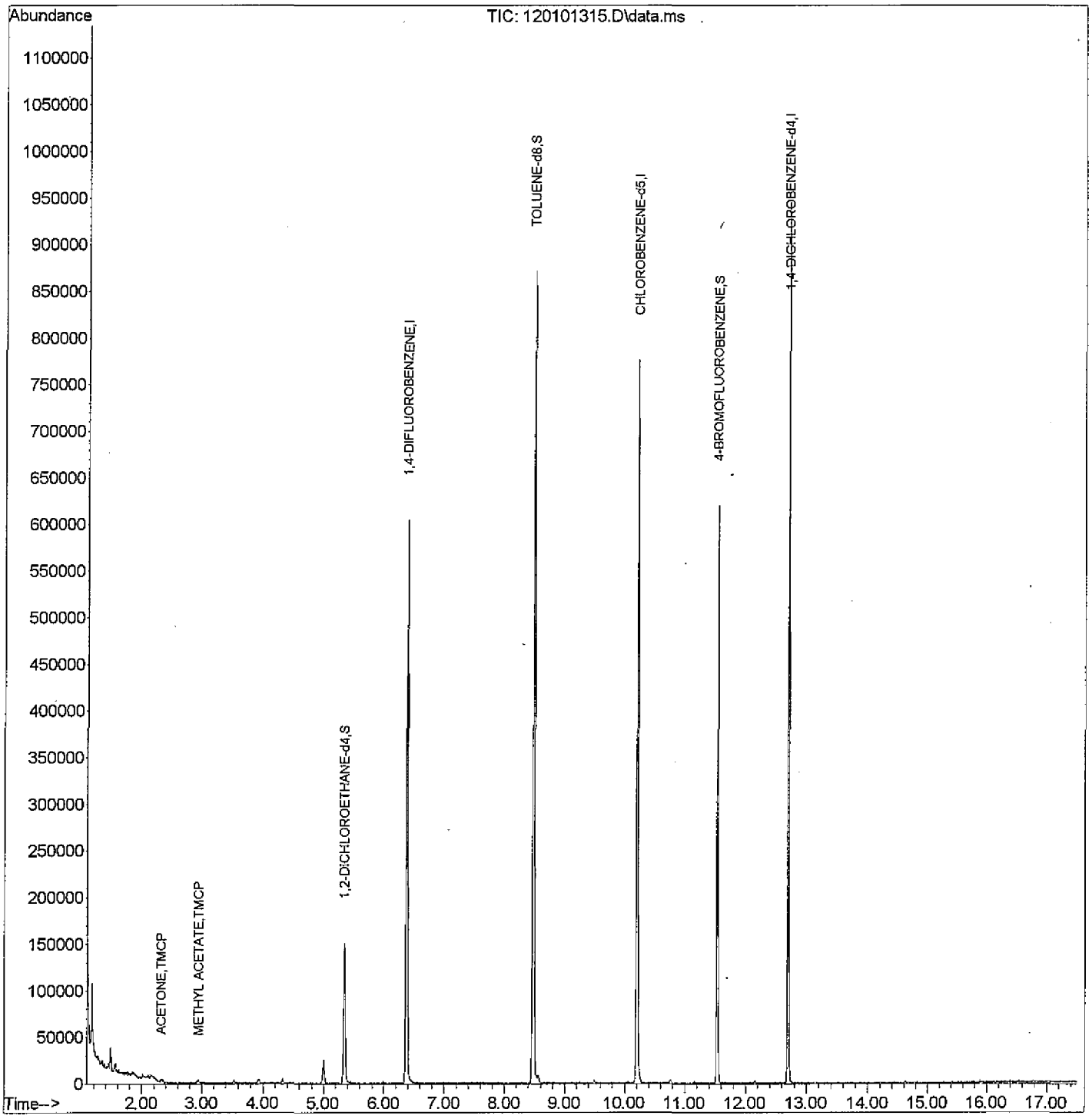
(#) = qualifier out of range (m) = manual integration (+) = signals summed

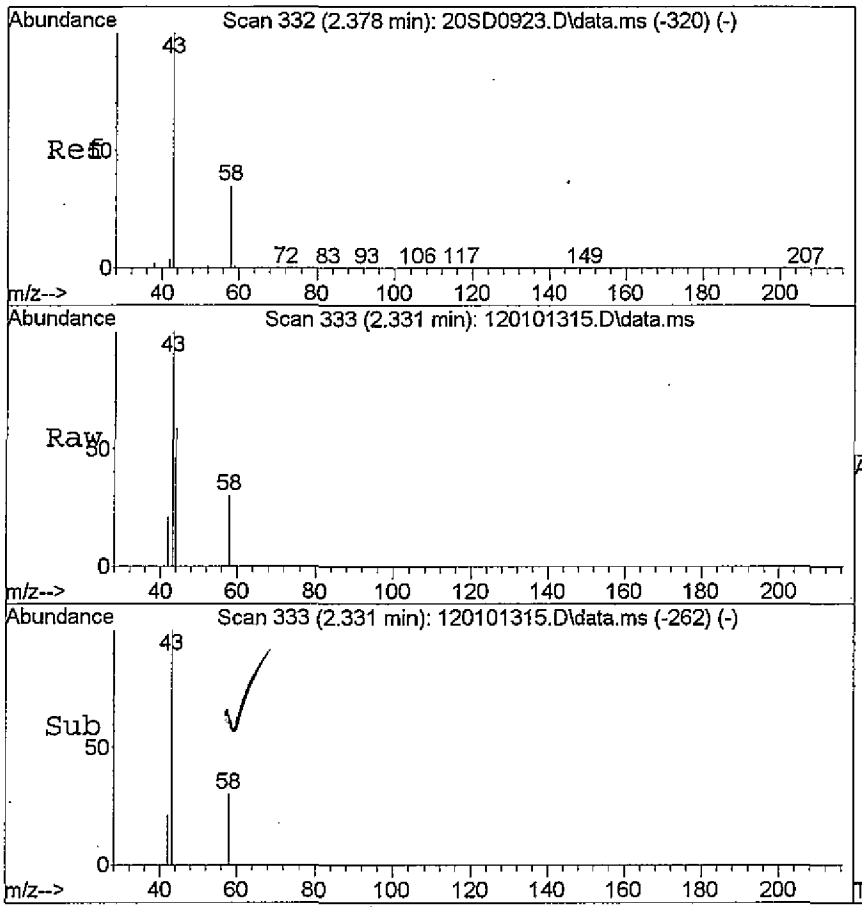
1 TIC

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 120101315.D
Acq On : 30 Jan 2012 5:38 pm
Operator : SCW OBB-AG5975
Sample : HW01; L
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 31 08:04:24 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

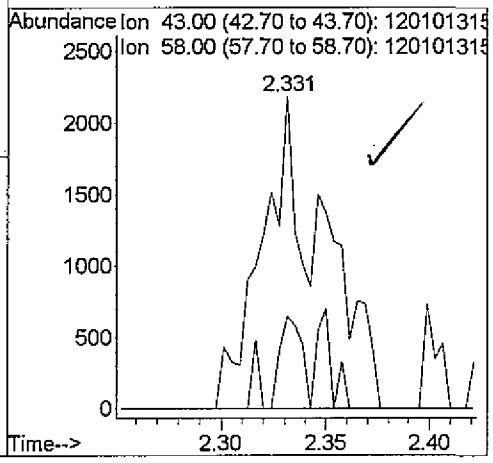


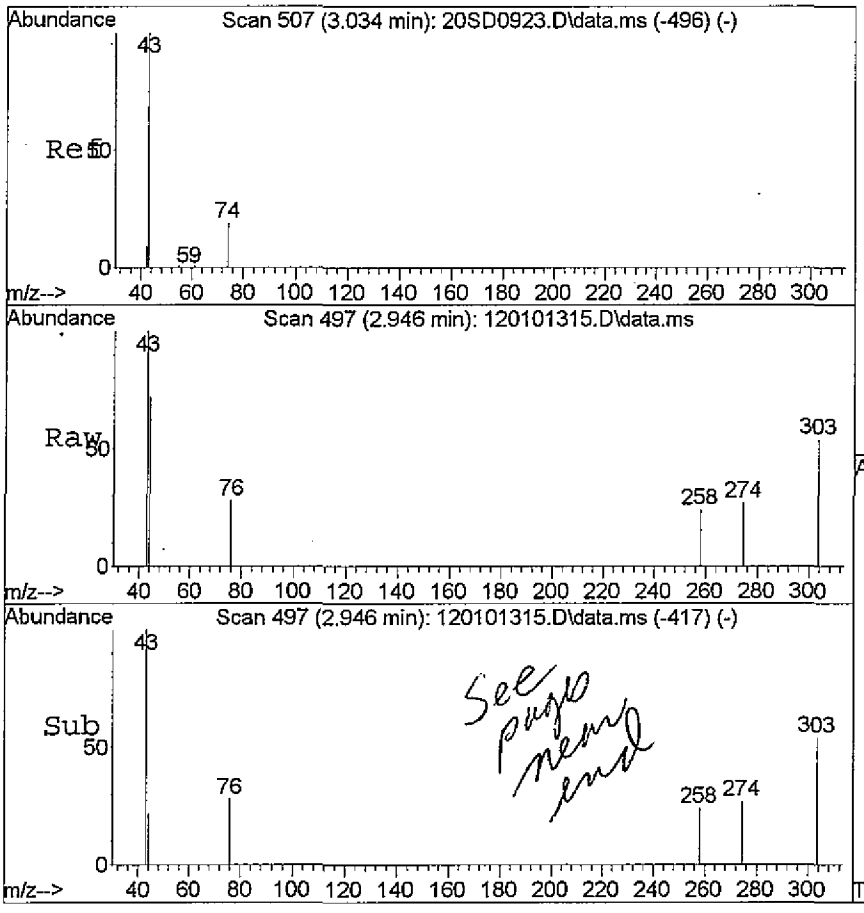


#8
ACETONE
Concen: 1.14 ug/L
RT: 2.331 min Scan# 333
Delta R.T. -0.034 min
Lab File: 120101315.D
Acq: 30 Jan 2012 5:38 pm

Tgt Ion: 43 Resp: 4460

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#



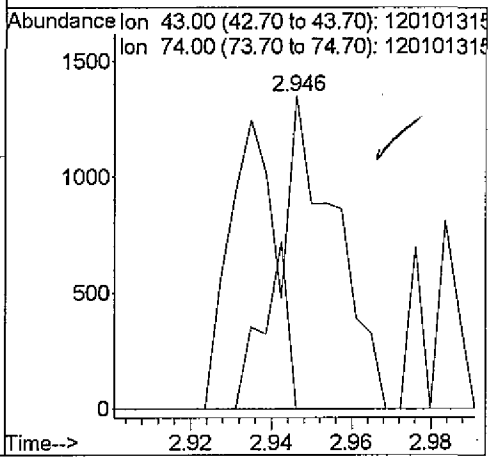


See page next end

#14
METHYL ACETATE
Concen: 0.31 ug/L m
RT: 2.946 min Scan# 497
Delta R.T. -0.000 min
Lab File: 120101315.D
Acq: 30 Jan 2012 5:38 pm

Tgt Ion: 43 Resp: 2009

Ion	Ratio	Lower	Upper
43	100		
74	0.0	15.7	23.5#



LSC Area Percent Report

Data Path : D:\data\01302012\
Data File : 120101315.D
Acq On : 30 Jan 2012 5:38 pm
Operator : SCW OBB-AG5975
Sample : HW01; L
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.169	18	23	36	rVB2	78220	112085	7.45%	1.781%
2	1.477	100	105	115	rVB2	26877	35799	2.38%	0.569%
3	5.000	1033	1045	1055	rBV5	26172	50161	3.33%	0.797%
4	5.345	1124	1137	1151	rBV3	151233	293019	19.47%	4.656%
5	6.380	1399	1413	1434	rBV	604747	1066003	70.82%	16.937%
6	8.475	1955	1972	1988	rBV	871391	1505158	100.00%	23.915%
7	10.200	2416	2432	2455	rBV	776869	1299574	86.34%	20.649%
8	11.530	2778	2787	2802	rBV	620088	801969	53.28%	12.742%
9	12.700	3090	3099	3118	rBV	945004	1129991	75.07%	17.954%

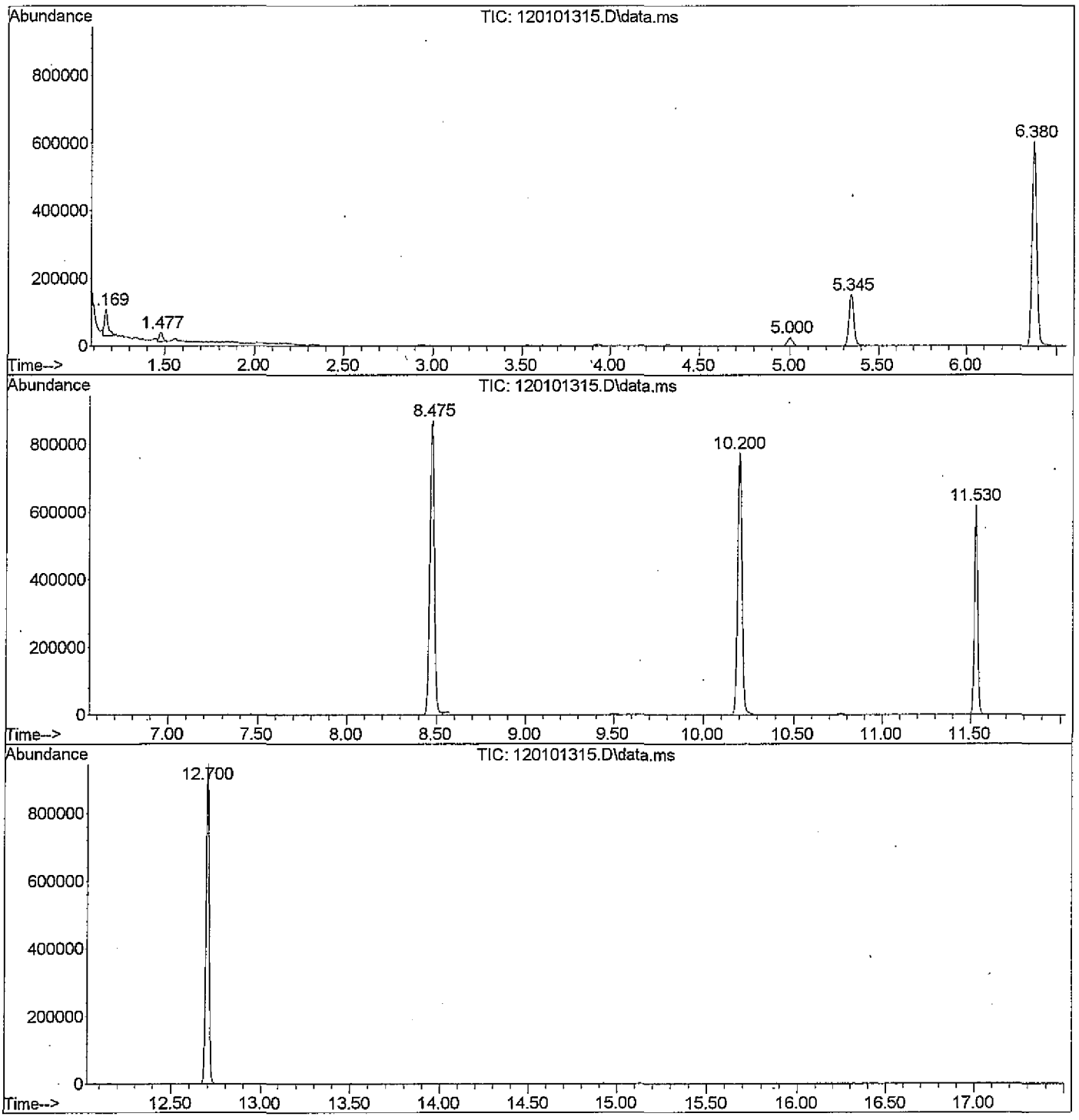
Sum of corrected areas: 6293759

LSC Report - Integrated Chromatogram

Data Path : D:\data\01302012\
Data File : 120101315.D
Acq On : 30 Jan 2012 5:38 pm
Operator : SCW OBB-AG5975
Sample : HW01; L
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Data Path : D:\data\01302012\
Data File : 120101315.D
Acq On : 30 Jan 2012 5:38 pm
Operator : SCW OBB-AG5975
Sample : HW01; L
Misc :
ALS Vial : 6 Sample Multiplier: 1

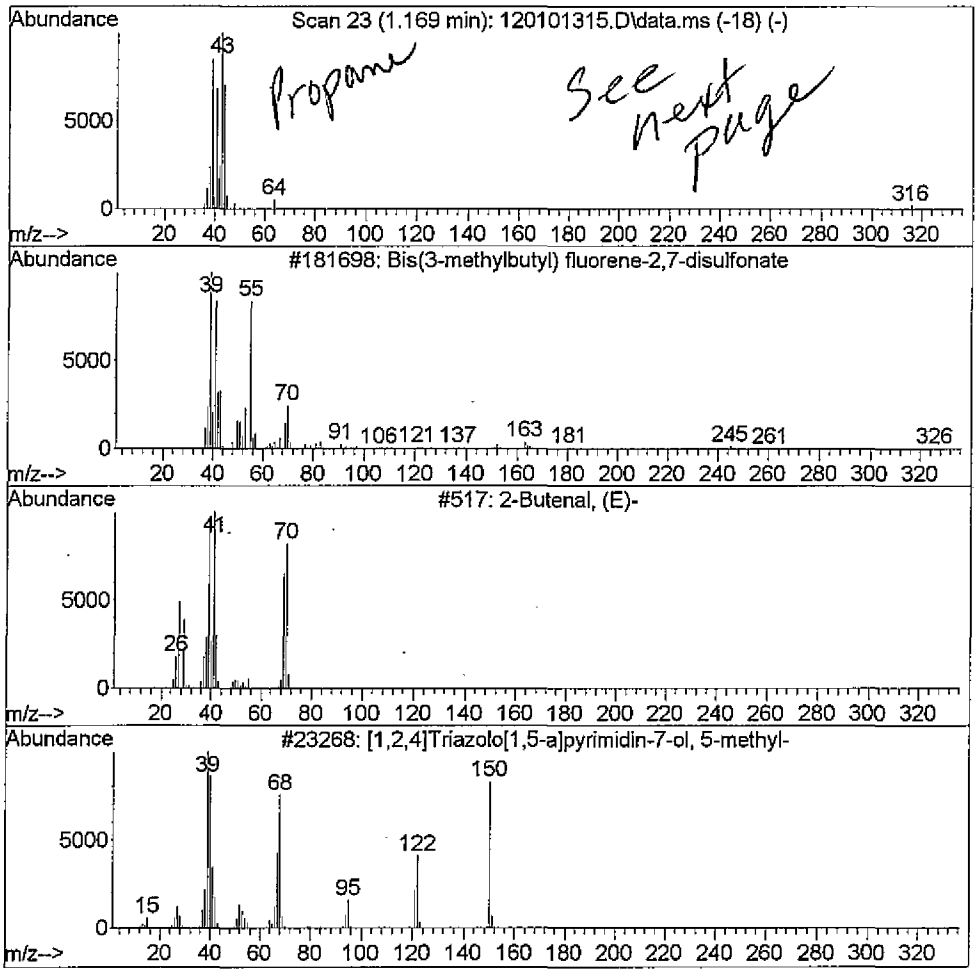
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

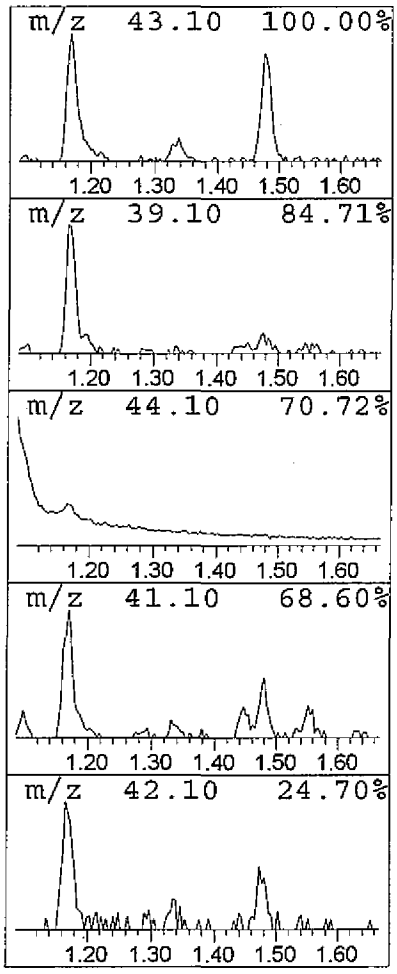
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Bis(3-methylbutyl) fluorene... Concentration Rank 1

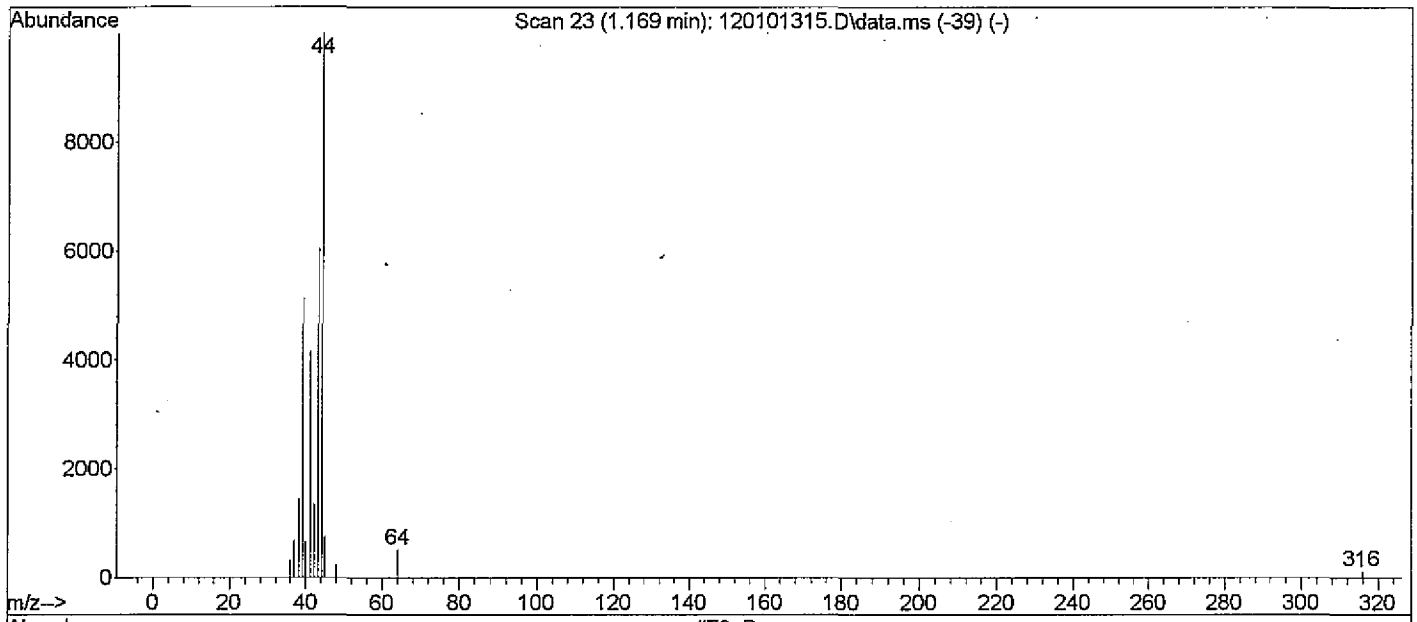
R.T.	EstConc	Area	Relative to ISTD	R.T.
1.169	0.42 ug/L	112085	1,4-DIFLUOROBENZENE	6.380

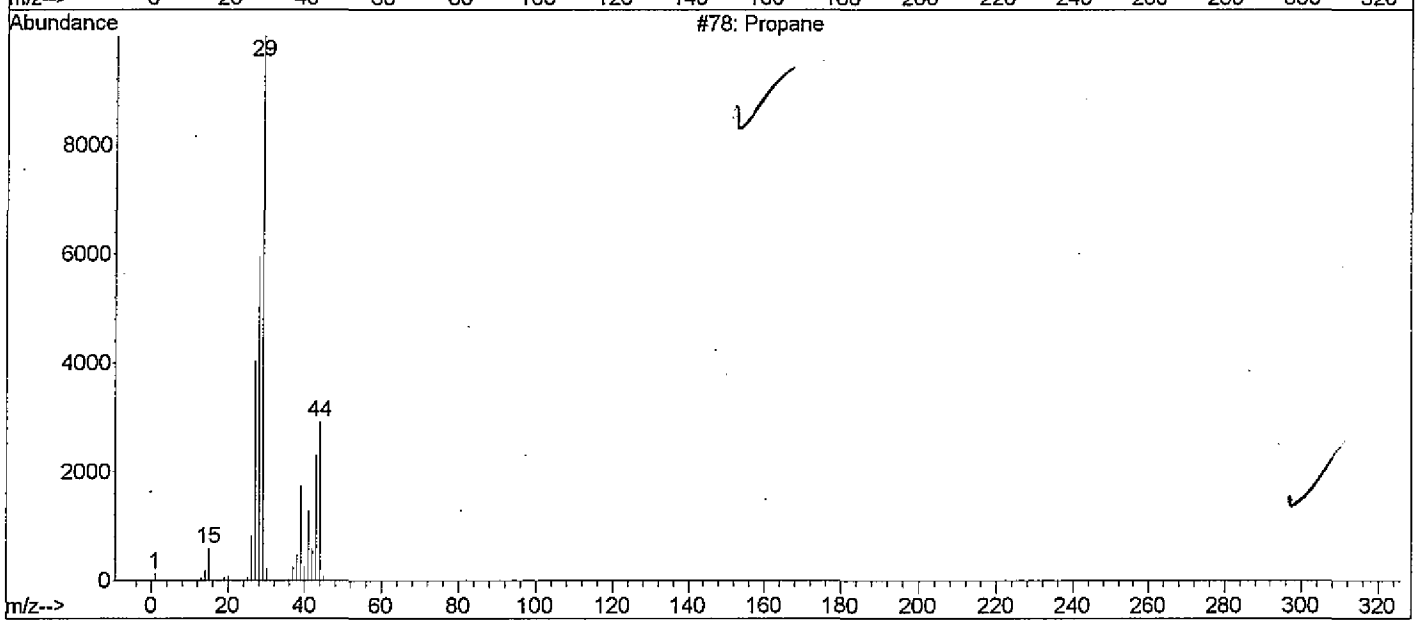
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bis(3-methylbutyl) fluorene-2,7-...	466	C23H30O6S2	253664-95-8	64
2	2-Butenal, (E)-	70	C4H6O	000123-73-9	64
3	[1,2,4]Triazolo[1,5-a]pyrimidin-...	150	C6H6N4O	002503-56-2	40
4	Phenyl 2-propynyl ether	132	C9H8O	013045-88-0	40
5	2,2'-Bipyridine-3,3'-diol	188	C10H8N2O2	036145-03-6	40





Library Searched : C:\Database\NIST05.L
Quality : 78
ID : Propane





Library Search Compound Report

Data Path : D:\data\01302012\
Data File : 120101315.D
Acq On : 30 Jan 2012 5:38 pm
Operator : SCW OBB-AG5975
Sample : HW01; L
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

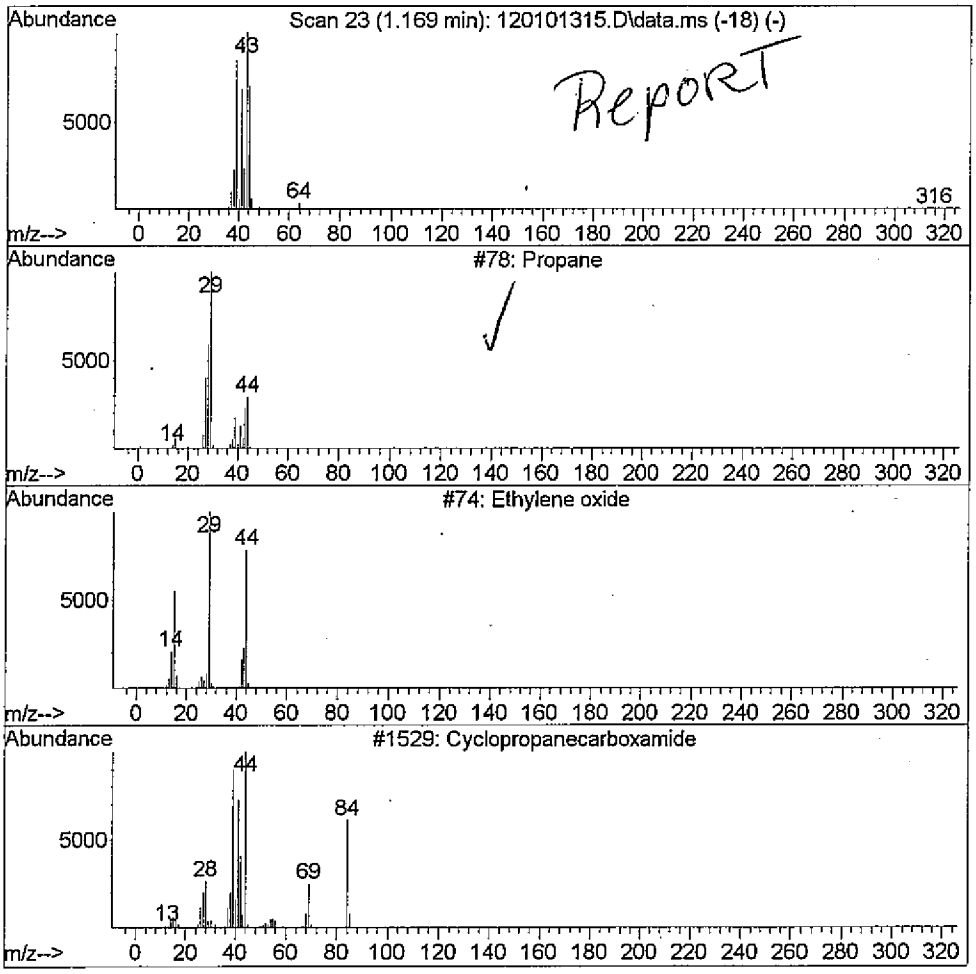
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

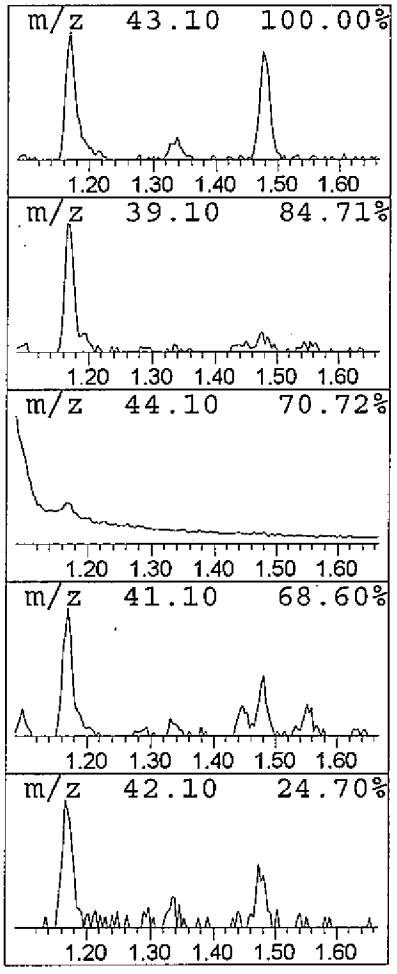
****

Peak Number 2 Propane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.169	0.42 ug/L	112085	1,4-DIFLUOROBENZENE	6.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	9
2	Ethylene oxide	44	C2H4O	000075-21-8	4
3	Cyclopropanecarboxamide	85	C4H7NO	006228-73-5	4
4	Acetamide, 2-fluoro-	77	C2H4FNO	000640-19-7	4
5	2-Hexynoic acid	112	C6H8O2	000764-33-0	4





Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01302012\
Data File : 120101315.D
Acq On : 30 Jan 2012 5:38 pm
Operator : SCW OBB-AG5975
Sample : HW01; L
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

wrong ID

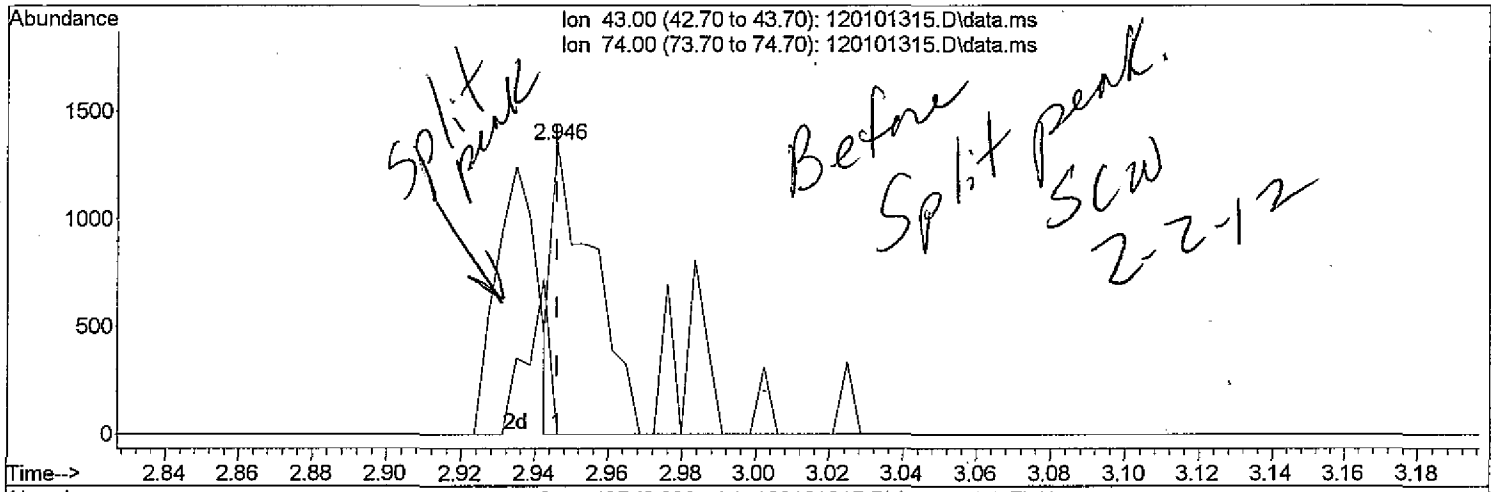
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Bis(3-methylbut...	1.169	0.4	ug/L	112085	1	6.380	1066000	4.0
Propane	1.169	0.4	ug/L	112085	1	6.380	1066000	4.0

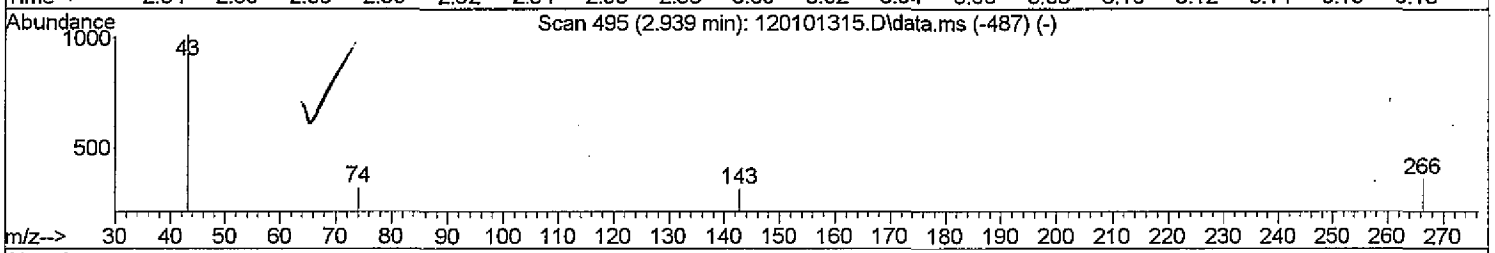
Report

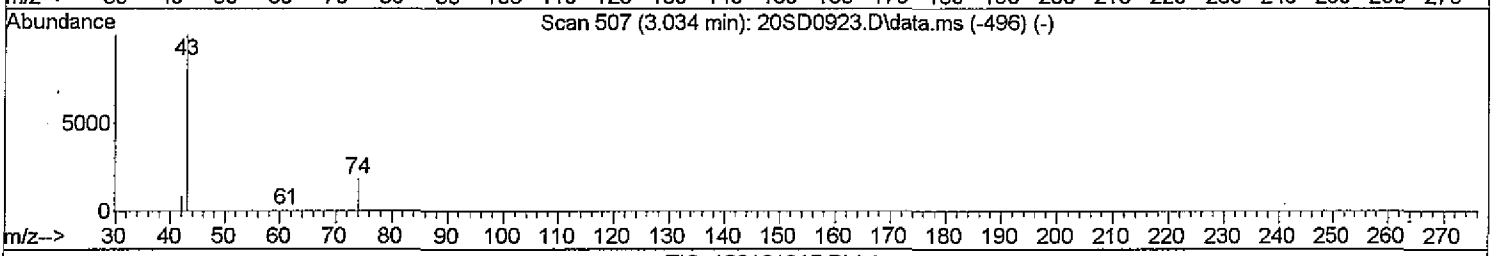
Quantitation Report (Qedit)

Data Path : D:\data\01302012\
Data File : 120101315.D
Acq On : 30 Jan 2012 5:38 pm
Operator : SCW OBB-AG5975
Sample : HW01; L
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 31 07:48:04 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101315.D\data.ms

(14) METHYL ACETATE (TMCP)

2.946min (-0.000) 0.16ug/L

response 1056

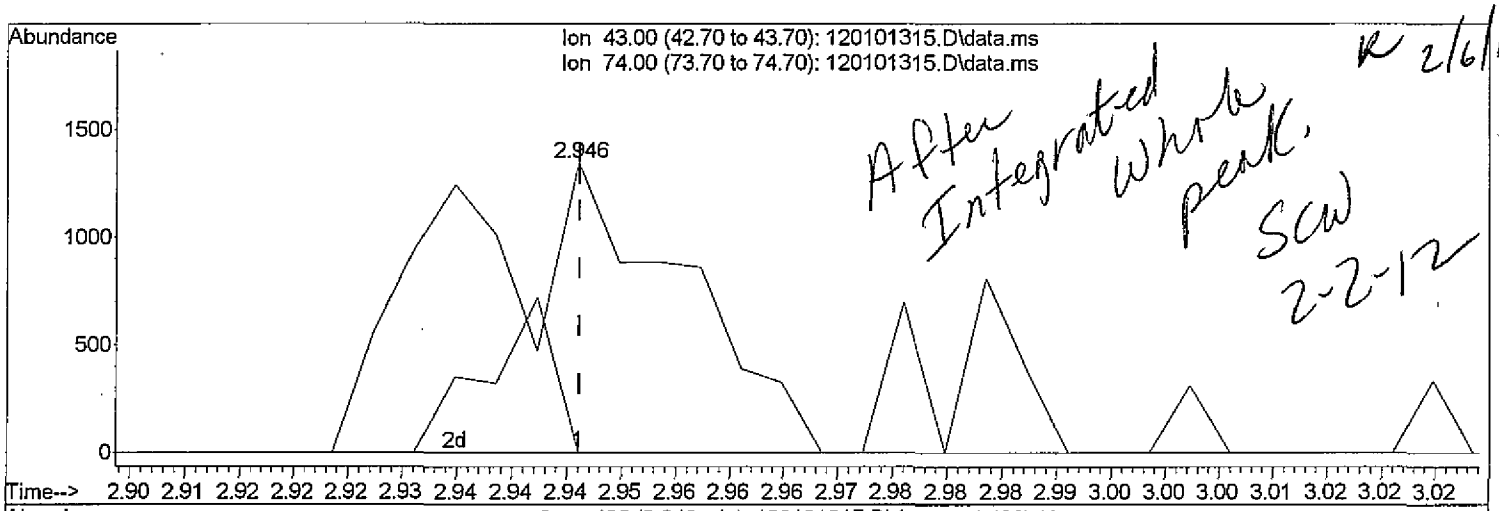
Ion	Exp%	Act%
43.00	100	100
74.00	19.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

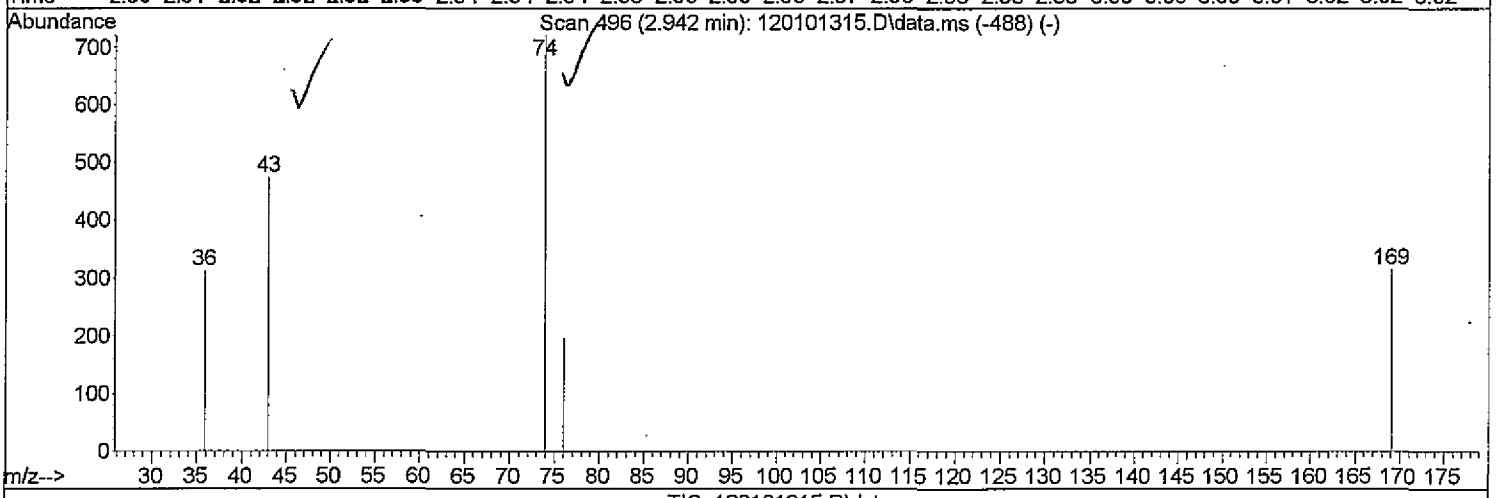
Quantitation Report (Qedit)

Data Path : D:\data\01302012\
Data File : 120101315.D
Acq On : 30 Jan 2012 5:38 pm
Operator : SCW OBB-AG5975
Sample : HW01; L
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 31 07:48:04 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

OK
R 2/6/12





(14) METHYL ACETATE (TMCP)

2.946min (-0.000) 0.31ug/L m

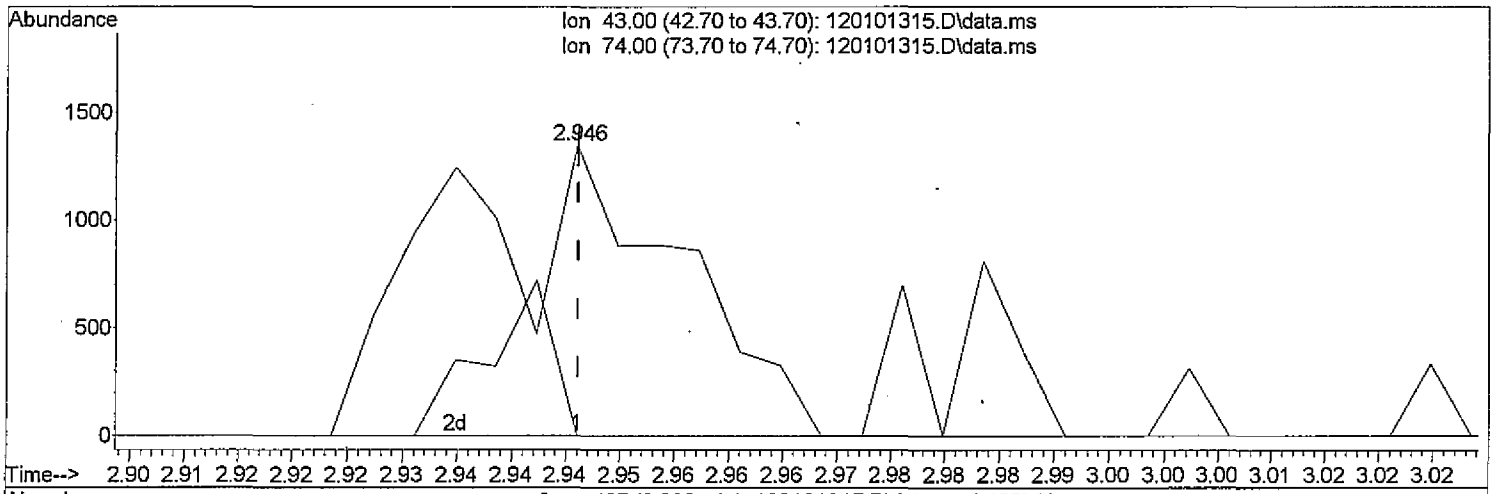
response 2009

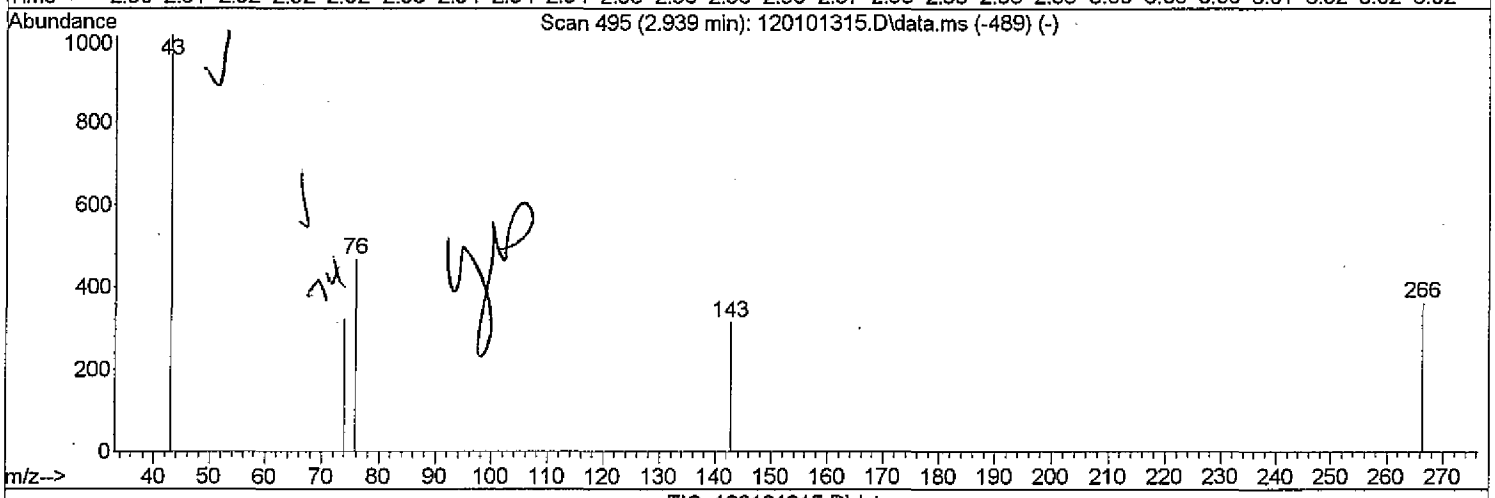
Ion	Exp%	Act%
43.00	100	100
74.00	19.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\data\01302012\
Data File : 120101315.D
Acq On : 30 Jan 2012 5:38 pm
Operator : SCW OBB-AG5975
Sample : HW01; L
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 31 07:48:04 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration





TIC: 120101315.D\data.ms

(14) METHYL ACETATE (TMCP)

2.946min (-0.000) 0.31ug/L m

response 2009

Ion	Exp%	Act%
43.00	100	100
74.00	19.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 120101316.D
Acq On : 30 Jan 2012 6:05 pm
Operator : SCW OBB-AG5975
Sample : HW05; O
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 31 07:48:22 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	465462	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.203	117	413318	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	172755	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	102231	4.10 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 102.50%	
42) TOLUENE-d8	8.475	98	563837	3.79 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 94.75%	
60) 4-BROMOFLUOROBENZENE	11.530	95	162266	3.90 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 97.50%	
Target Compounds					Qvalue
8) ACETONE	2.350	43	1487	0.37 ug/L	#B J 47

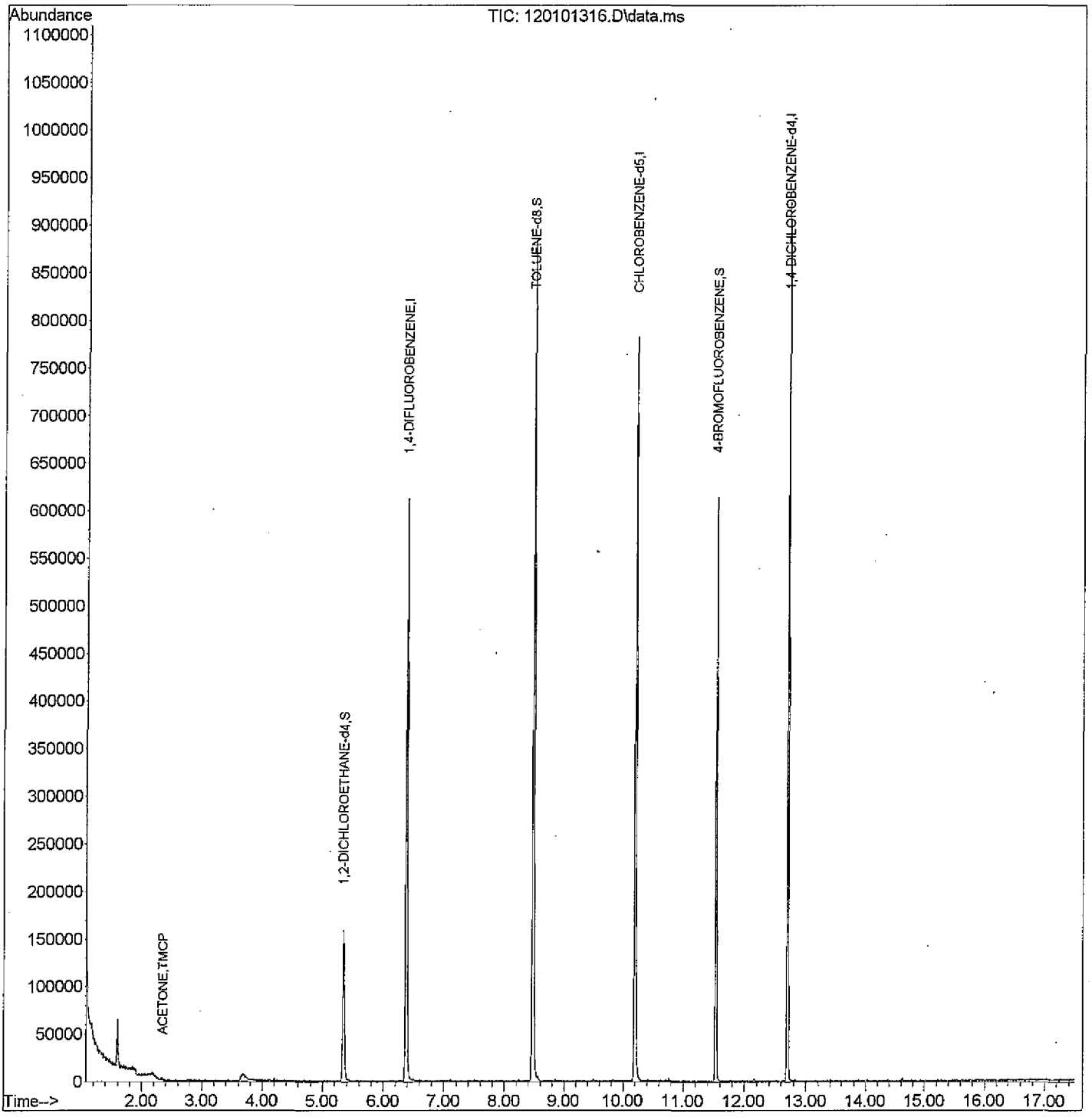
(#) = qualifier out of range (m) = manual integration (+) = signals summed

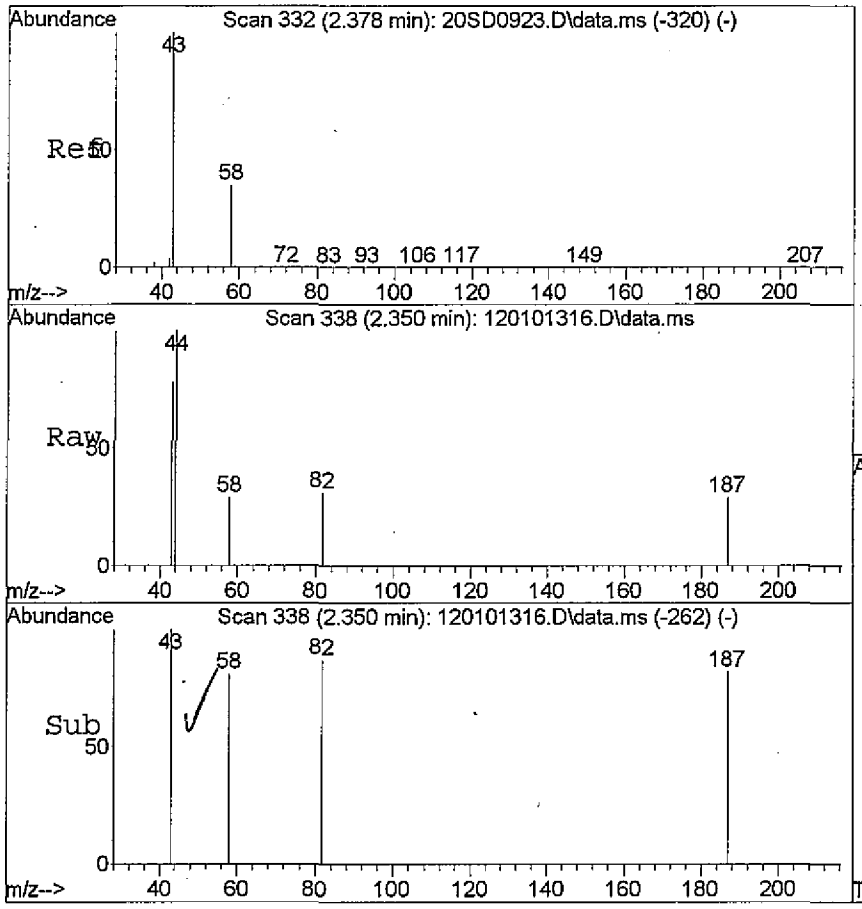
NO TICS

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 120101316.D
Acq On : 30 Jan 2012 6:05 pm
Operator : SCW OBB-AG5975
Sample : HW05; O
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 31 07:48:22 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

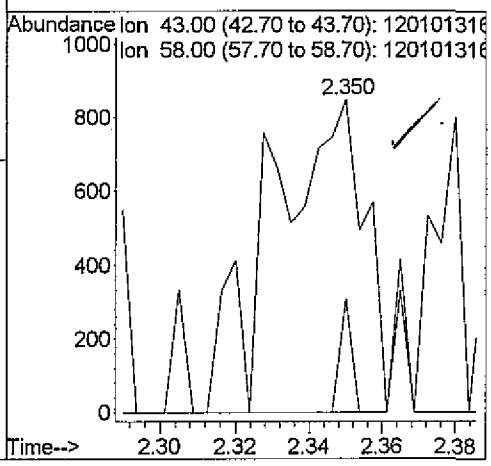




#8
ACETONE
Concen: 0.37 ug/L
RT: 2.350 min Scan# 338
Delta R.T. -0.015 min
Lab File: 120101316.D
Acq: 30 Jan 2012 6:05 pm

Tgt Ion: 43 Resp: 1487

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#



LSC Area Percent Report

Data Path : D:\data\01302012\
Data File : 120101316.D
Acq On : 30 Jan 2012 6:05 pm
Operator : SCW OBB-AG5975
Sample : HW05; O
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.600	132	138	149	rVB2	51838	73461	4.79%	1.188%
2	5.345	1125	1137	1152	rBV	159660	301329	19.66%	4.871%
3	6.380	1398	1413	1428	rBV	612970	1084692	70.75%	17.534%
4	8.472	1956	1971	1989	rBV	883883	1533053	100.00%	24.782%
5	10.200	2420	2432	2453	rBV	782113	1284684	83.80%	20.767%
6	11.530	2775	2787	2801	rBV	614844	792824	51.72%	12.816%
7	12.700	3088	3099	3112	rBV	924879	1116027	72.80%	18.041%

Sum of corrected areas: 6186070

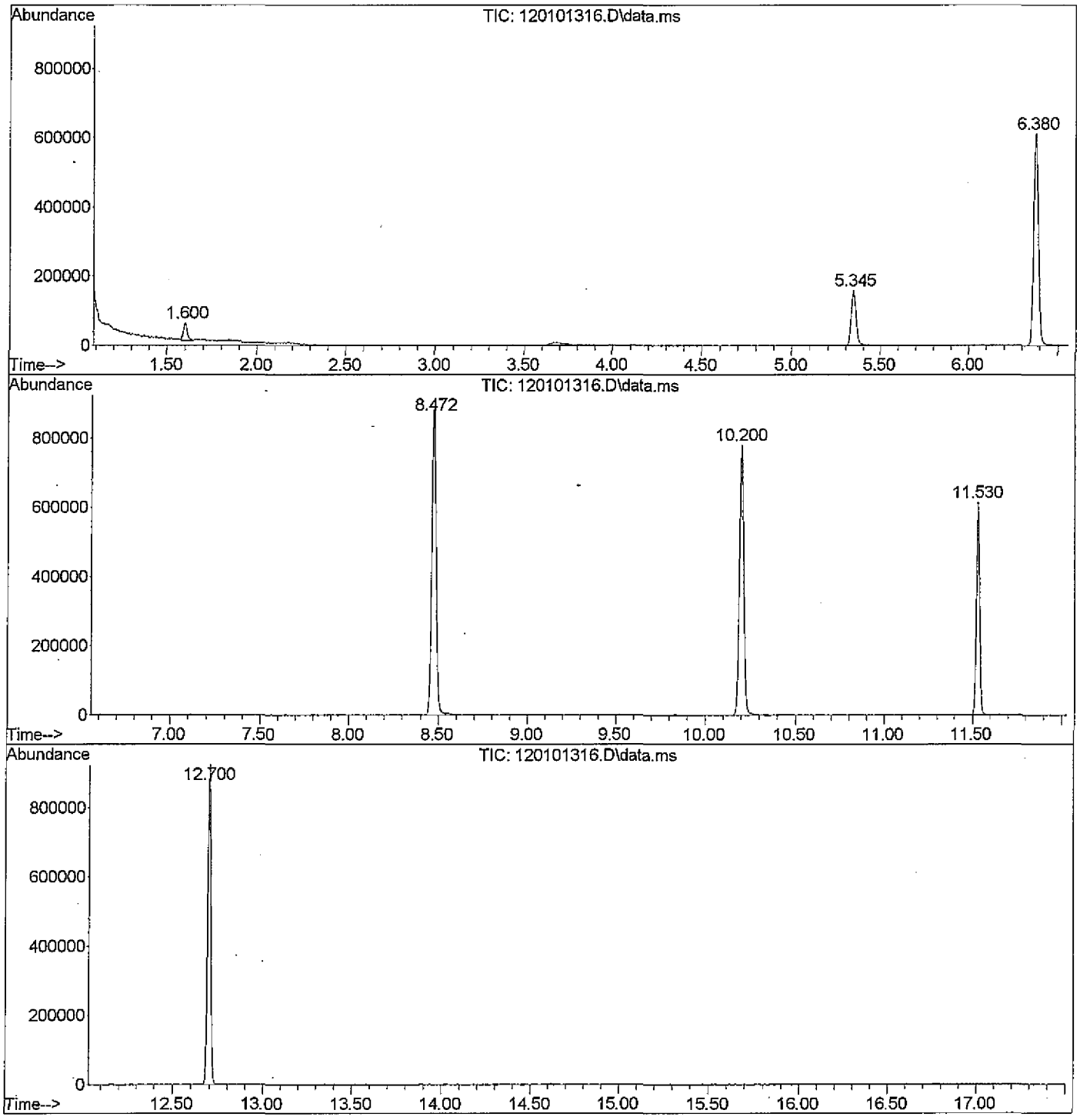
DIM0218843 DIM0219333

LSC Report - Integrated Chromatogram

Data Path : D:\data\01302012\
Data File : 120101316.D
Acq On : 30 Jan 2012 6:05 pm
Operator : SCW OBB-AG5975
Sample : HW05; O
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01302012\
Data File : 120101316.D
Acq On : 30 Jan 2012 6:05 pm
Operator : SCW OBB-AG5975
Sample : HW05; O
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01302012\
Data File : 120101316.D
Acq On : 30 Jan 2012 6:05 pm
Operator : SCW OBB-AG5975
Sample : HW05; O
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

DIM0218843 DIM0219336

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 120101317.D
Acq On : 30 Jan 2012 6:32 pm
Operator : SCW OBB-AG5975
Sample : HW06; O
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 31 07:48:33 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	441873	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	402600	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	168543	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	97136	4.11 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 102.75%	
42) TOLUENE-d8	8.472	98	536040	3.70 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 92.50%	
60) 4-BROMOFLUOROBENZENE	11.530	95	155896	3.84 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 96.00%	
Target Compounds					Qvalue
8) ACETONE	2.350	43	1222	0.32 ug/L	#J,B 47

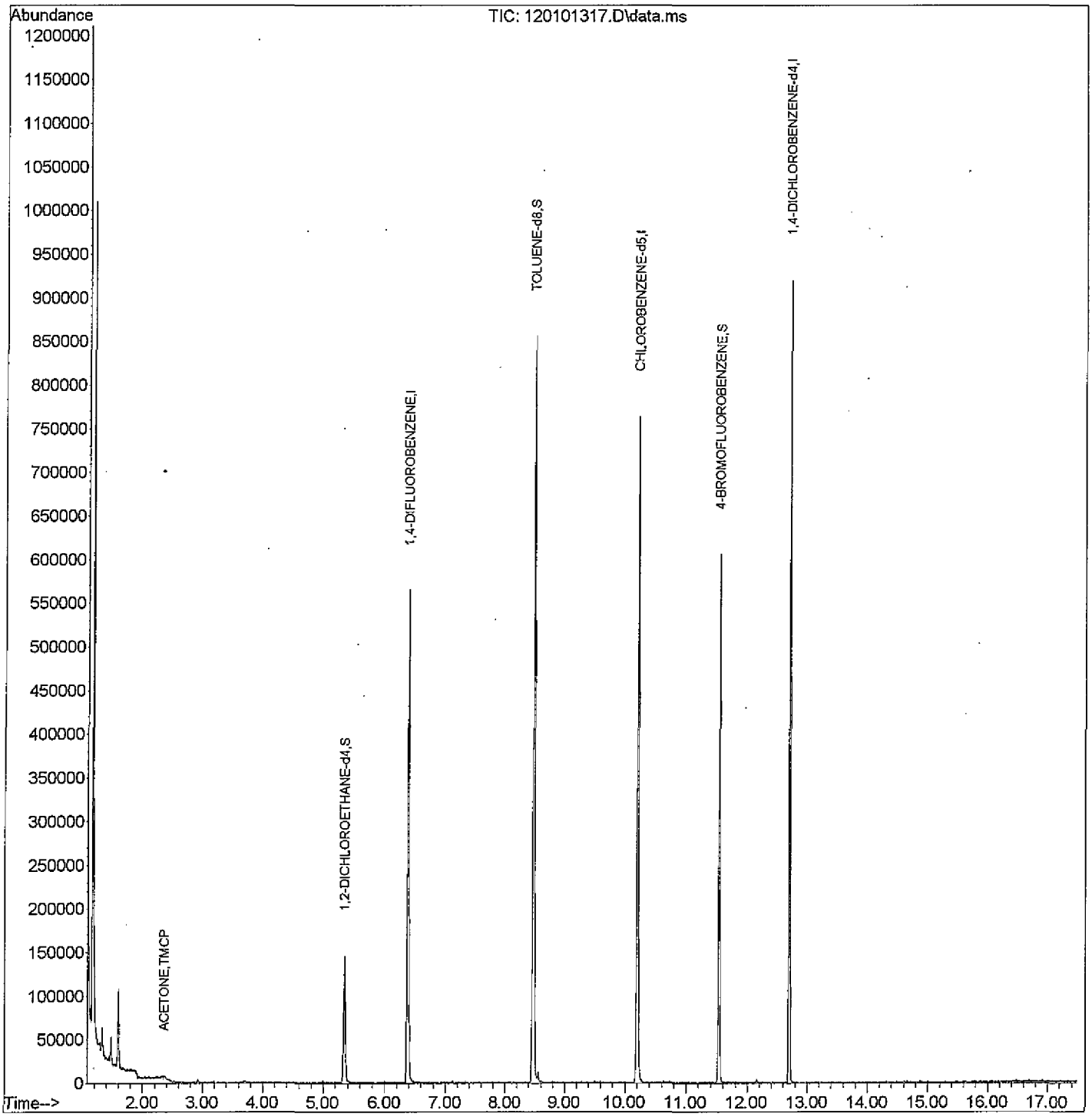
(#) = qualifier out of range (m) = manual integration (+) = signals summed

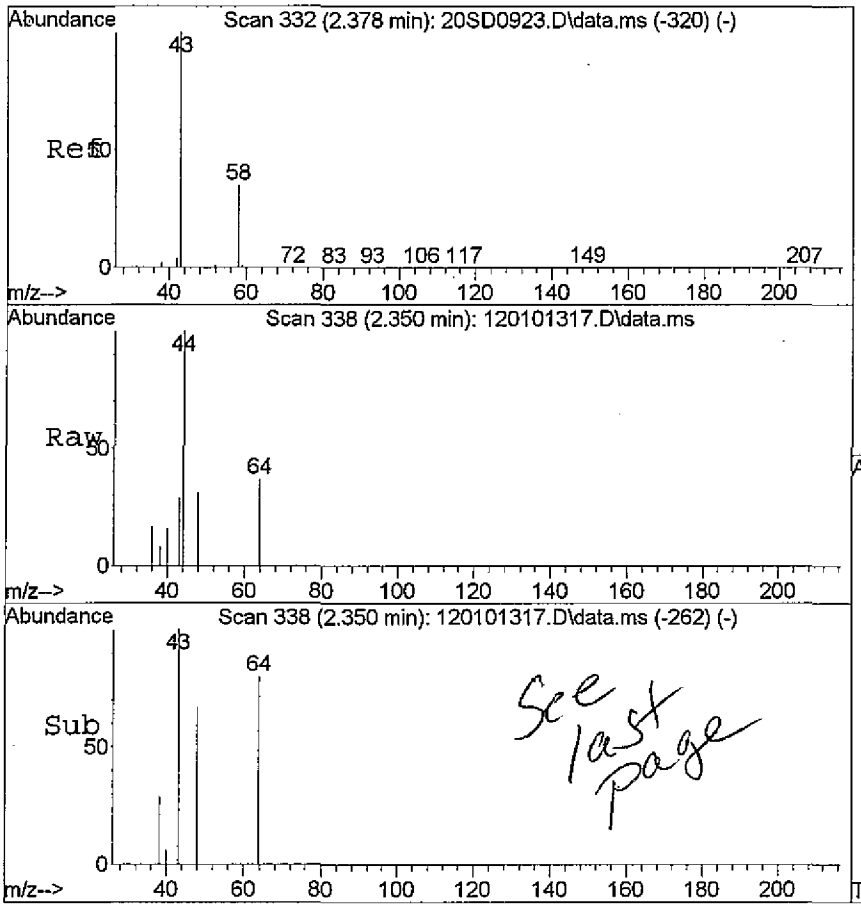
2 TKs

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 120101317.D
Acq On : 30 Jan 2012 6:32 pm
Operator : SCW OBB-AG5975
Sample : HW06; O
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 31 07:48:33 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration



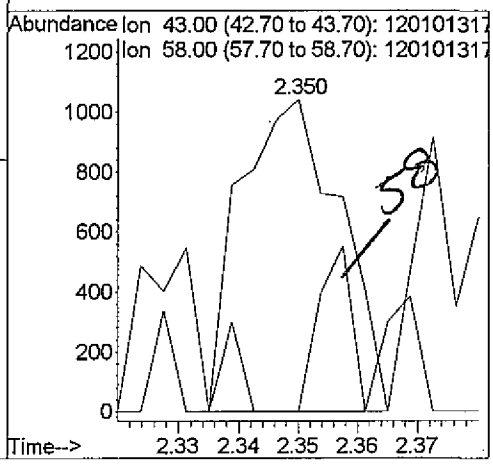


See last page

#8
ACETONE
Concen: 0.32 ug/L
RT: 2.350 min Scan# 338
Delta R.T. -0.015 min
Lab File: 120101317.D
Acq: 30 Jan 2012 6:32 pm

Tgt Ion: 43 Resp: 1222

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#



LSC Area Percent Report

Data Path : D:\data\01302012\
Data File : 120101317.D
Acq On : 30 Jan 2012 6:32 pm
Operator : SCW OBB-AG5975
Sample : HW06; O
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

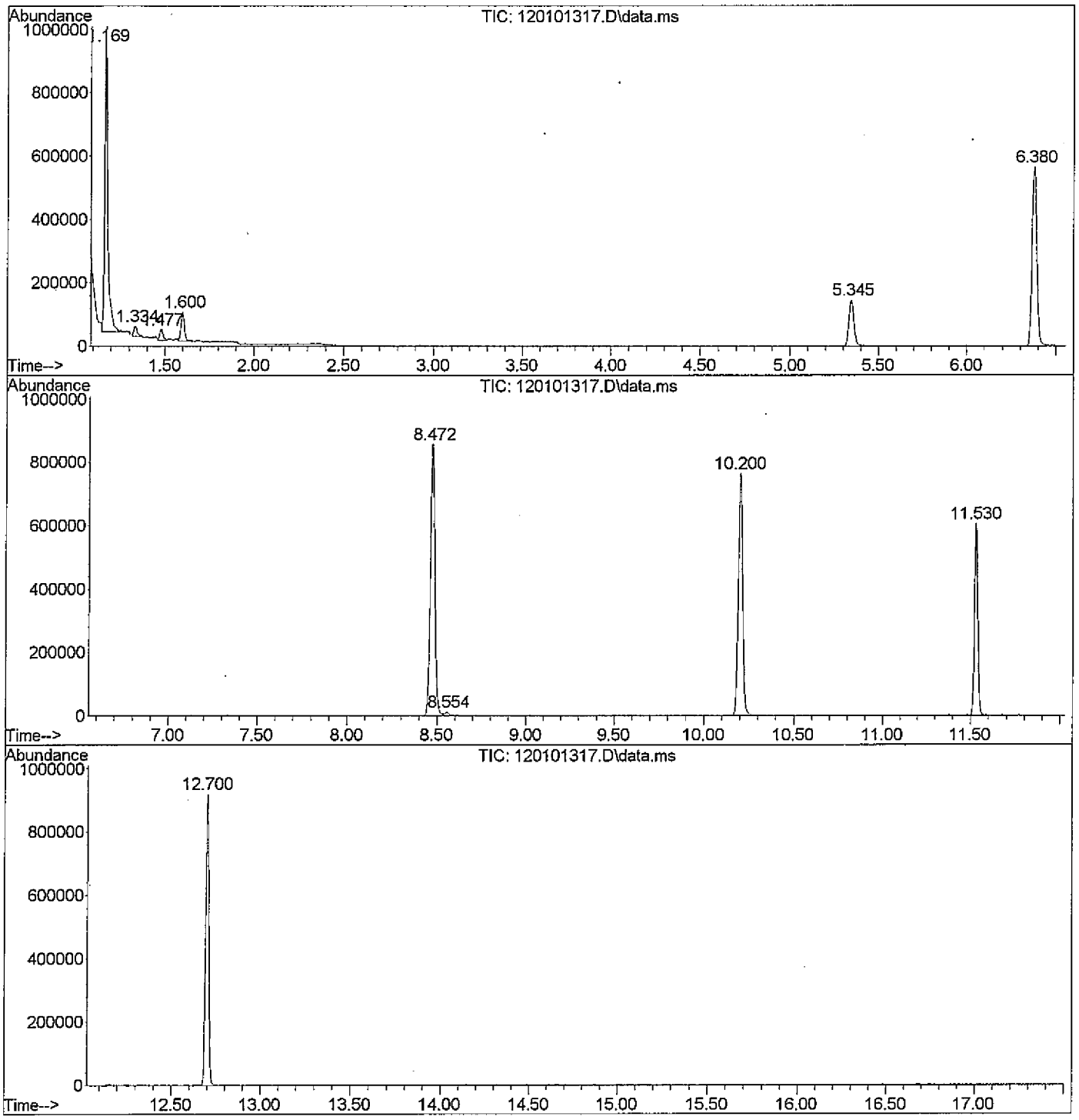
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.169	17	23	44	rVB	964543	1139473	77.86%	15.665%
2	1.334	63	67	74	rVB2	33019	39857	2.72%	0.548%
3	1.477	101	105	114	rVB3	34959	44535	3.04%	0.612%
4	1.600	131	138	146	rVB	91944	117208	8.01%	1.611%
5	5.345	1125	1137	1154	rBV	146215	283249	19.35%	3.894%
6	6.380	1398	1413	1434	rBV	565056	1029280	70.33%	14.150%
7	8.472	1957	1971	1988	rBV	856386	1463501	100.00%	20.119%
8	8.554	1988	1993	2004	rVB3	11857	17795	1.22%	0.245%
9	10.200	2419	2432	2457	rBV	763924	1254616	85.73%	17.248%
10	11.530	2775	2787	2800	rBV	606129	780869	53.36%	10.735%
11	12.700	3090	3099	3117	rVB	920971	1103769	75.42%	15.174%

Sum of corrected areas: 7274152

Data Path : D:\data\01302012\
Data File : 120101317.D
Acq On : 30 Jan 2012 6:32 pm
Operator : SCW OBB-AG5975
Sample : HW06; O
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01302012\
Data File : 120101317.D
Acq On : 30 Jan 2012 6:32 pm
Operator : SCW OBB-AG5975
Sample : HW06; O
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

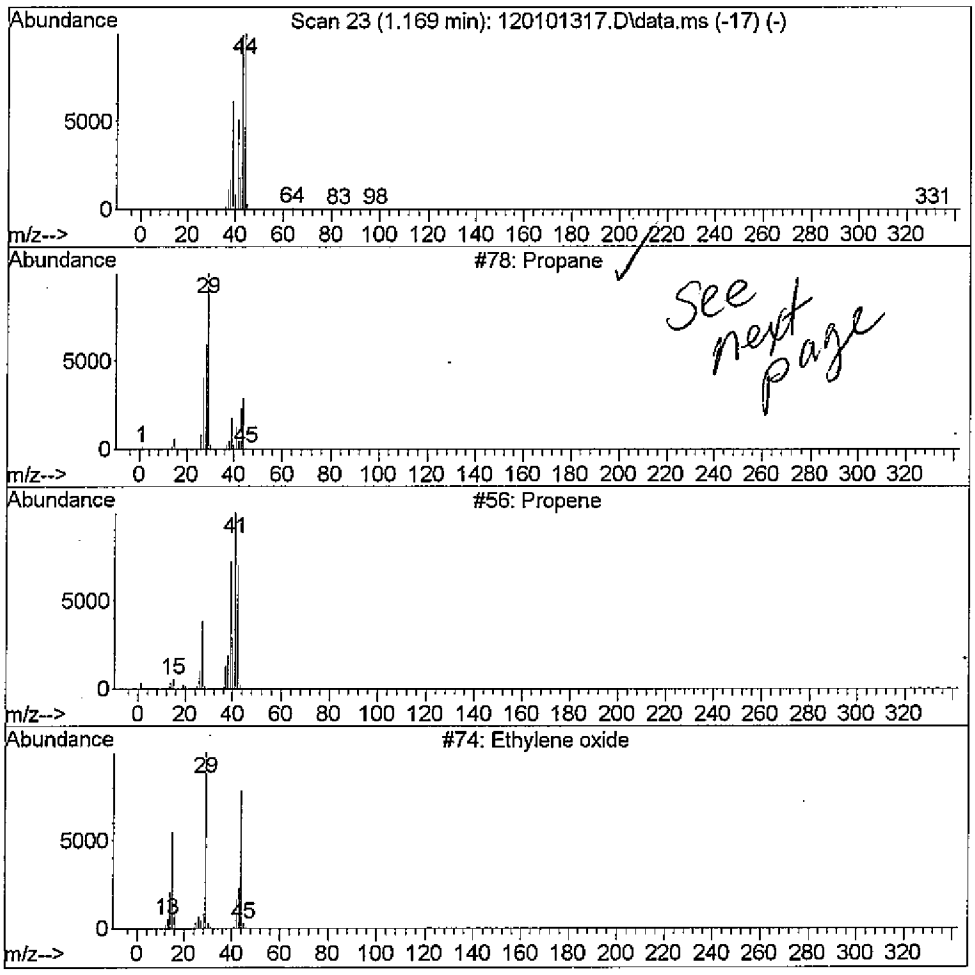
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

****

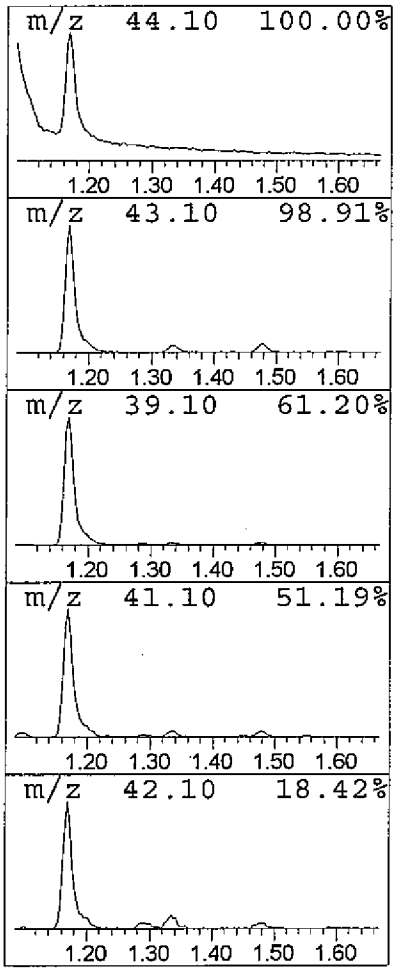
Peak Number 1 Propane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.169	4.43 ug/L	1139470	1,4-DIFLUOROBENZENE	6.380

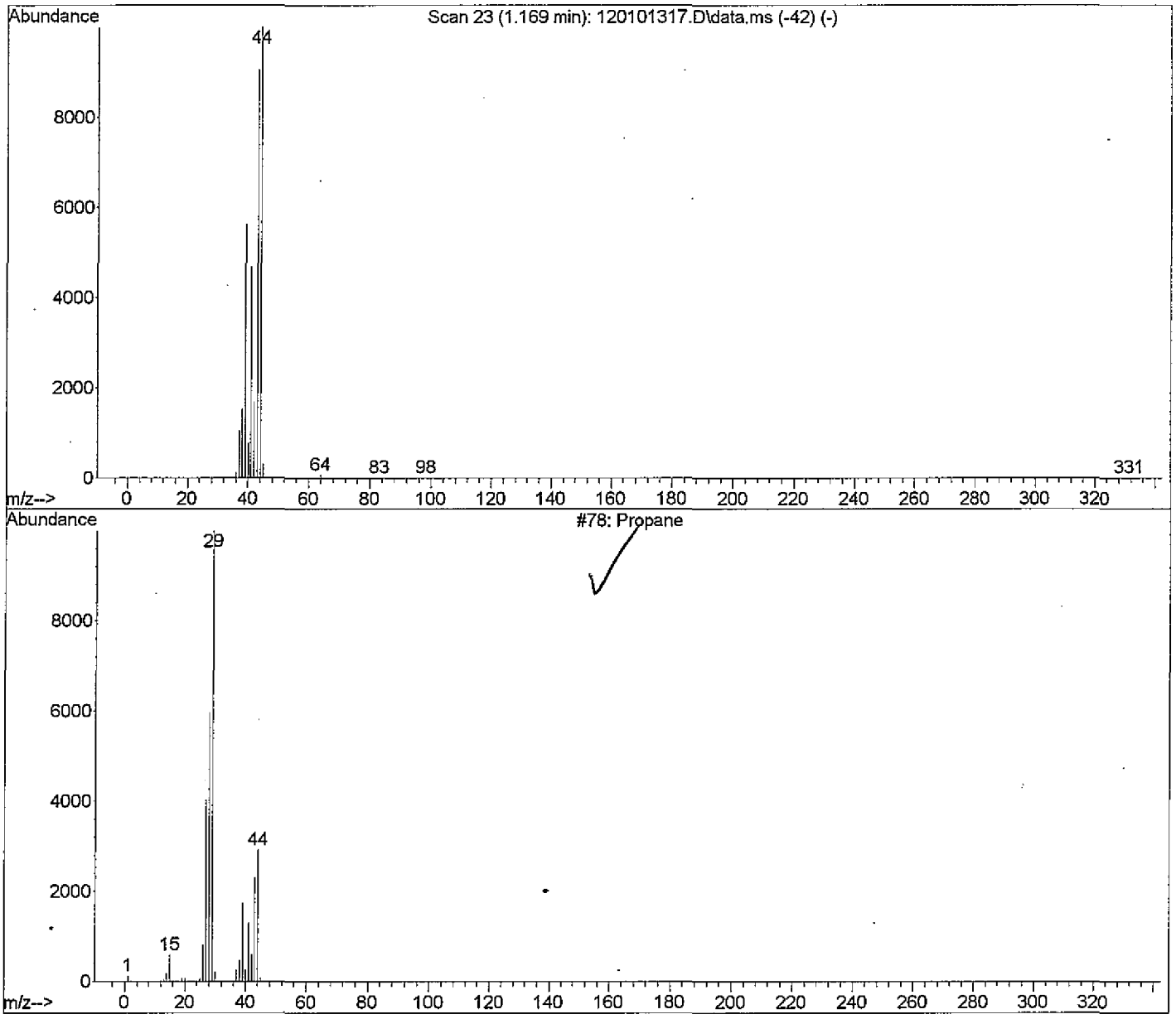
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	83
2	Propene	42	C3H6	000115-07-1	9
3	Ethylene oxide	44	C2H4O	000075-21-8	5
4	Acetaldehyde	44	C2H4O	000075-07-0	5
5	Methylenecyclopropane	54	C4H6	006142-73-0	4



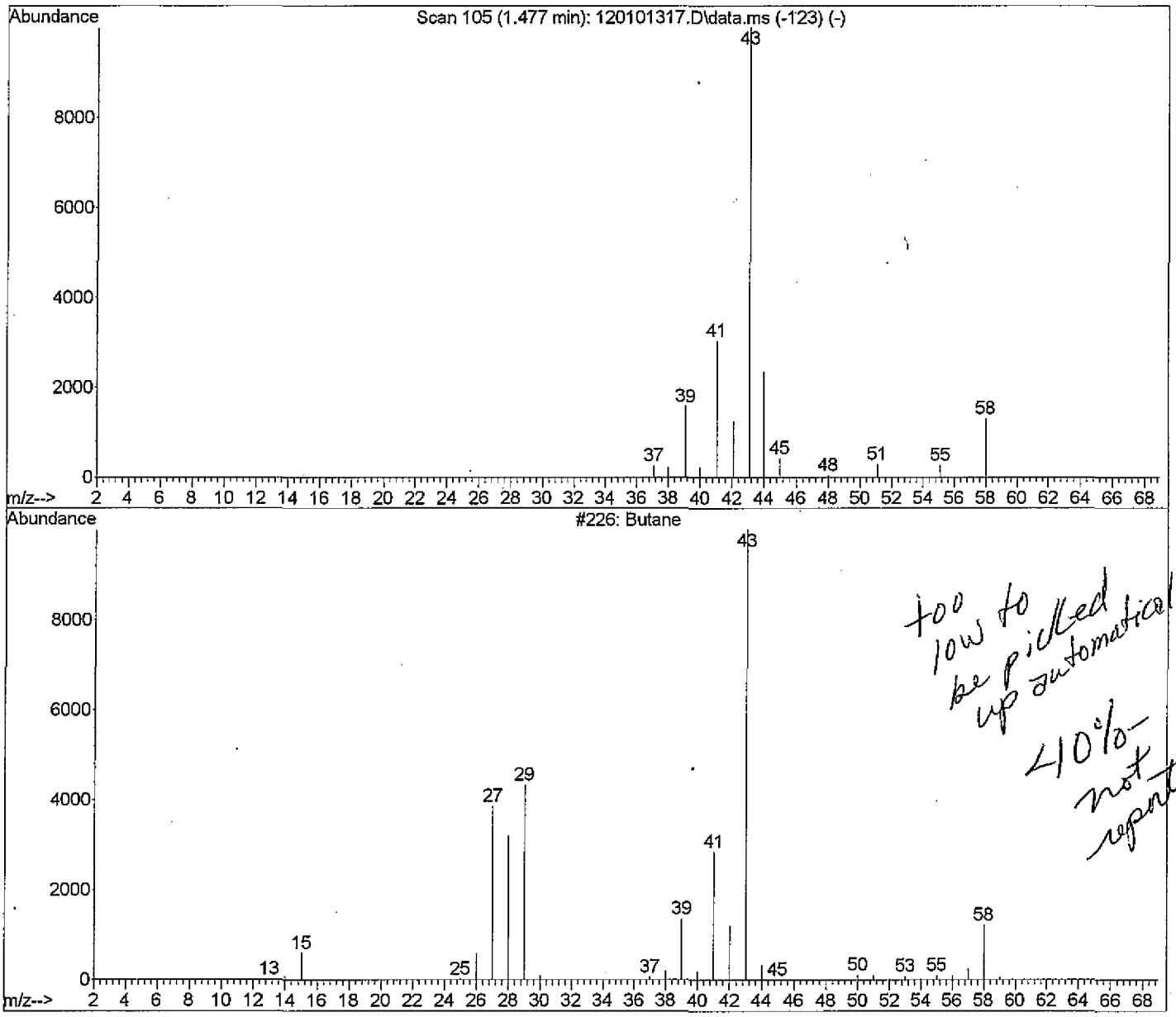
See next page



Library Searched : C:\Database\NIST05.L
Quality : 83
ID : Propane



Library Searched : C:\Database\NIST05.L
Quality : 37
ID : Butane



too low to be picked up automatically

<10% not reported

Manually found

Library Search Compound Report

Data Path : D:\data\01302012\
Data File : 120101317.D
Acq On : 30 Jan 2012 6:32 pm
Operator : SCW OBB-AG5975
Sample : HW06; O
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

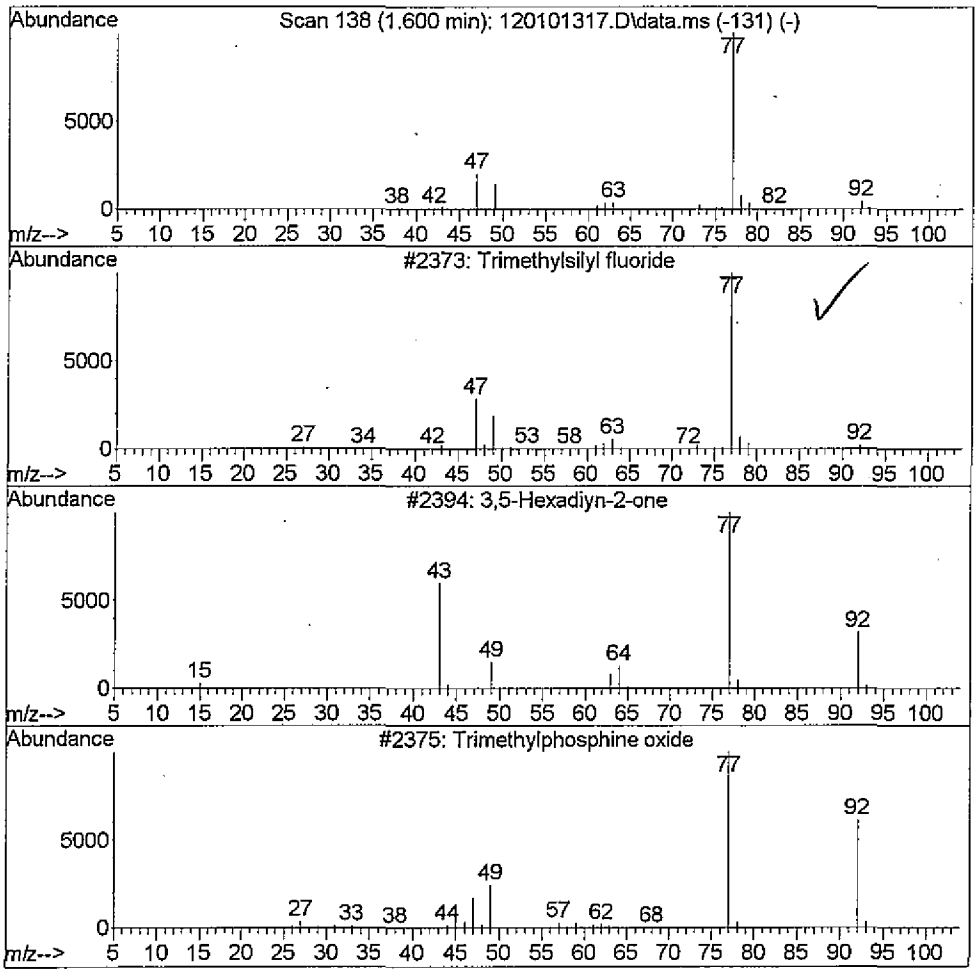
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

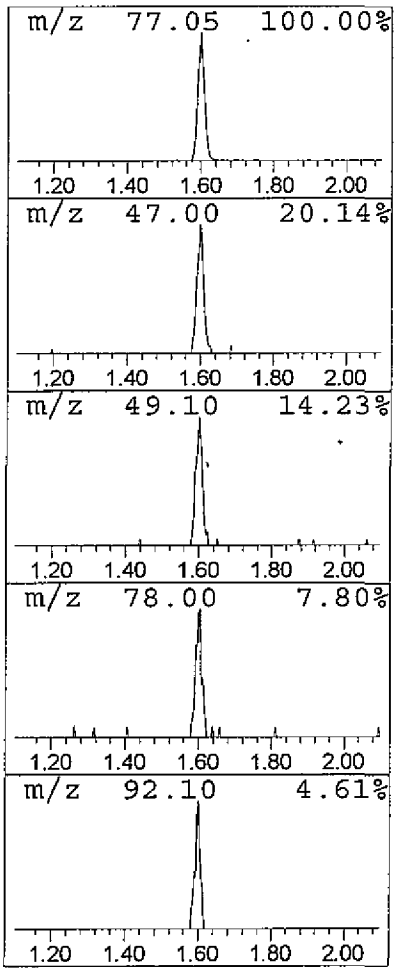
****

Peak Number 2 Trimethylsilyl fluoride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.600	0.46 ug/L	117208	1,4-DIFLUOROBENZENE	6.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trimethylsilyl fluoride	92	C3H9FSi	000420-56-4	91
2	3,5-Hexadiyn-2-one	92	C6H4O	031097-80-0	4
3	Trimethylphosphine oxide	92	C3H9OP	000676-96-0	4
4	Propane, 2-chloro-2-nitro-	123	C3H6ClNO2	000594-71-8	4
5	Propane, 1-chloro-2-nitro-	123	C3H6ClNO2	002425-66-3	4





Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01302012\
Data File : 120101317.D
Acq On : 30 Jan 2012 6:32 pm
Operator : SCW OBB-AG5975
Sample : HW06; O
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

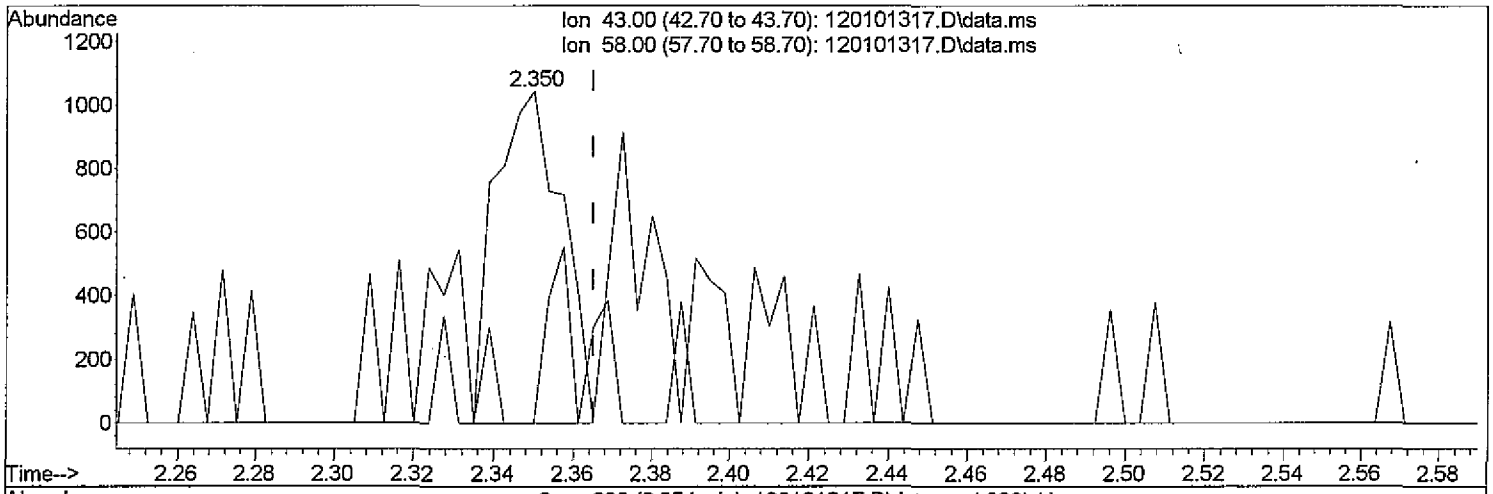
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

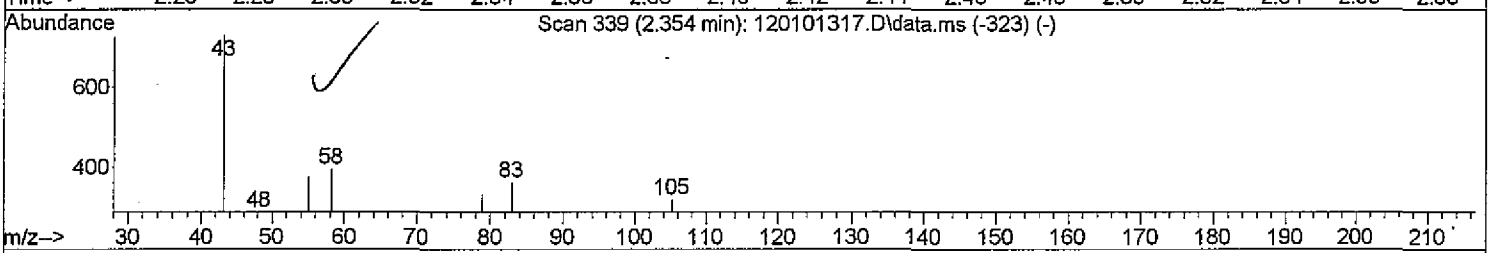
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Propane	1.169	4.4	ug/L	1139470	1	6.380	1029280	4.0
Trimethylsilyl ...	1.600	0.5	ug/L	117208	1	6.380	1029280	4.0

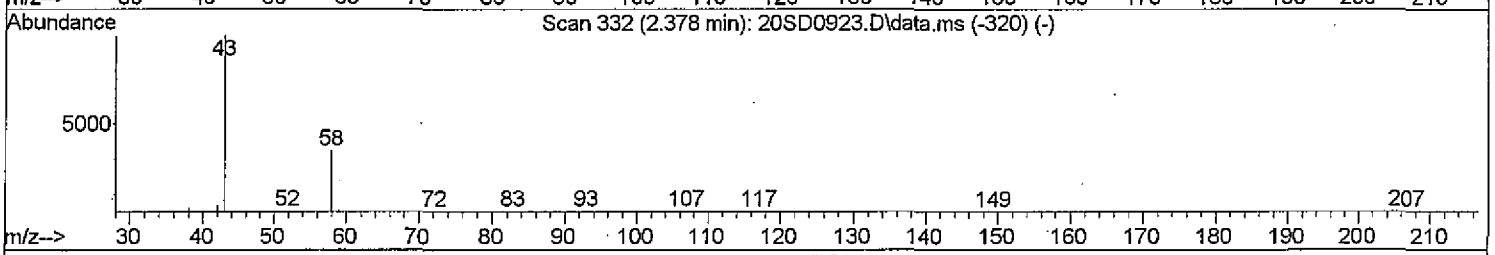
Quantitation Report (Qedit)

Data Path : D:\data\01302012\
Data File : 120101317.D
Acq On : 30 Jan 2012 6:32 pm
Operator : SCW OBB-AG5975
Sample : HW06; O
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 31 07:48:33 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101317.D\data.ms

(8) ACETONE (TMCP)

2.350min (-0.015) 0.32ug/L

response 1222

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 120101325.D
Acq On : 30 Jan 2012 3:48 pm
Operator : SCW OBB-AG5975
Sample : TB-02; A
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 07:55:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	468795	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.203	117	425215	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	179161	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	105995	4.22 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 105.50%	
42) TOLUENE-d8	8.471	98	573106	3.75 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 93.75%	
60) 4-BROMOFLUOROBENZENE	11.530	95	168473	3.91 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 97.75%	
Target Compounds					Qvalue
8) ACETONE	2.342	43	4430m	1.10 ug/L J	
11) METHYLENE CHLORIDE	2.822	84	26776	1.12 ug/L #	81
22) CHLOROFORM	4.704	83	366990	7.84 ug/L	100
33) TRICHLOROETHENE	6.770	130	66025	2.11 ug/L	95
43) TOLUENE	8.554	92	50616	0.59 ug/L	95
53) M-XYLENE/P-XYLENE	10.758	106	9728	0.16 ug/L J	78
55) O-XYLENE	11.152	106	4096	0.06 ug/L J	96
76) NAPHTHALENE	14.623	128	11878	0.33 ug/L J	96

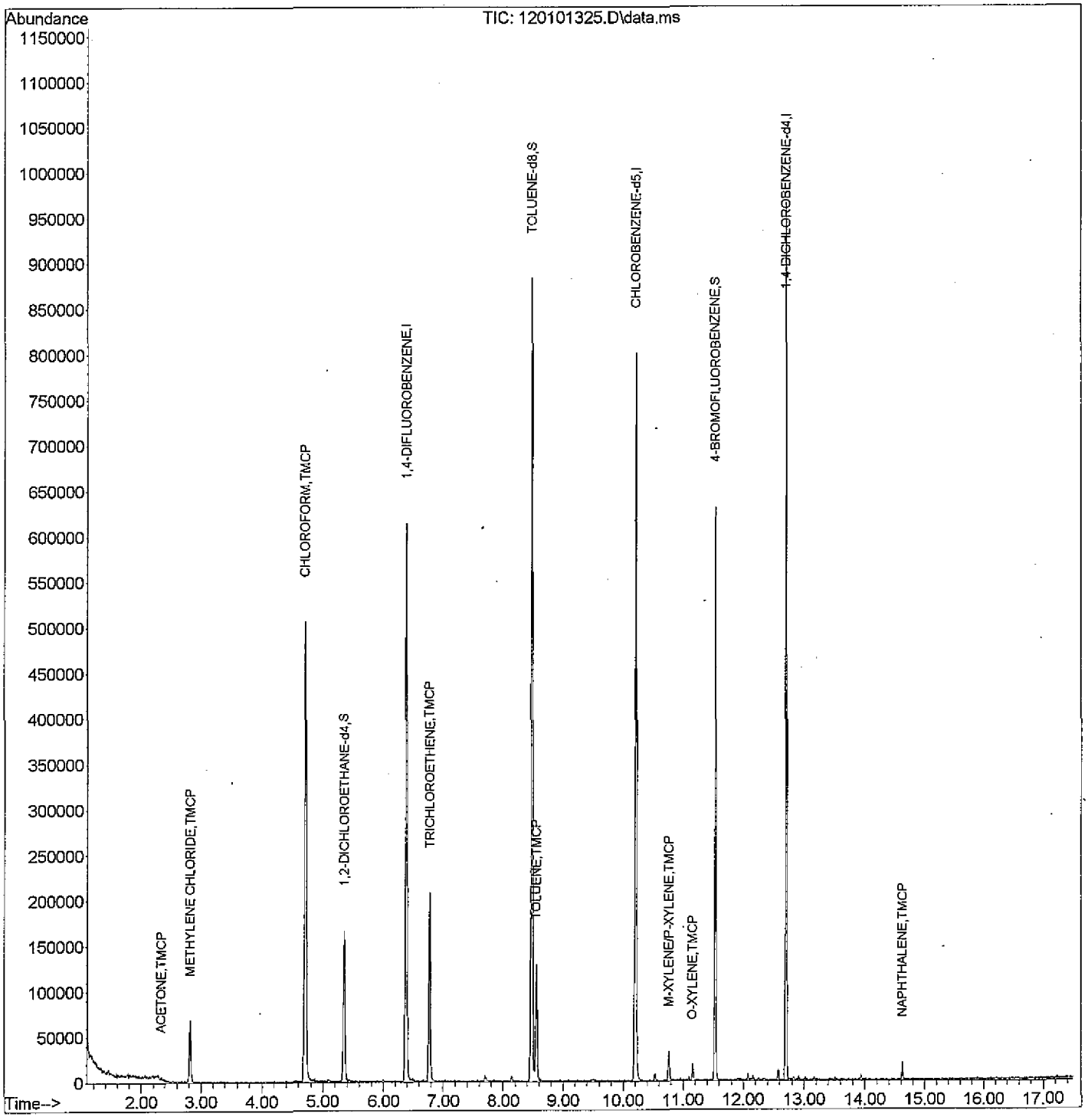
(#) = qualifier out of range (m) = manual integration (+) = signals summed

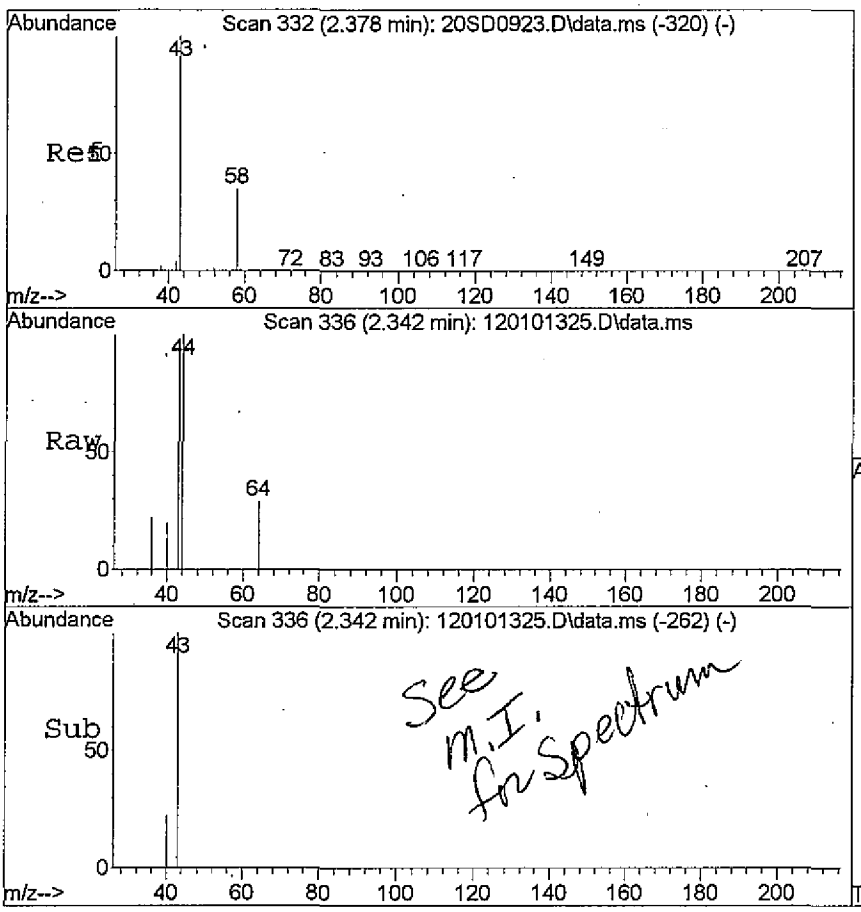
No TICs

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 120101325.D
Acq On : 30 Jan 2012 3:48 pm
Operator : SCW OBB-AG5975
Sample : TB-02; A
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 07:55:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration



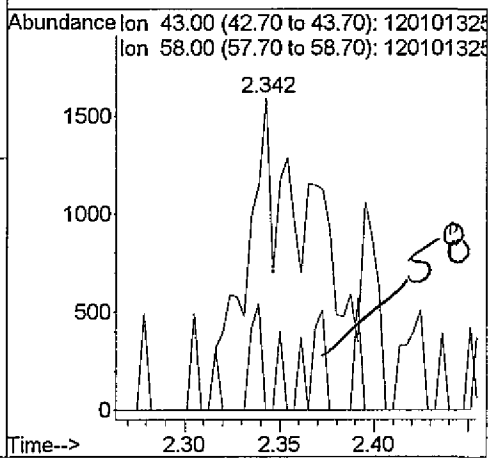


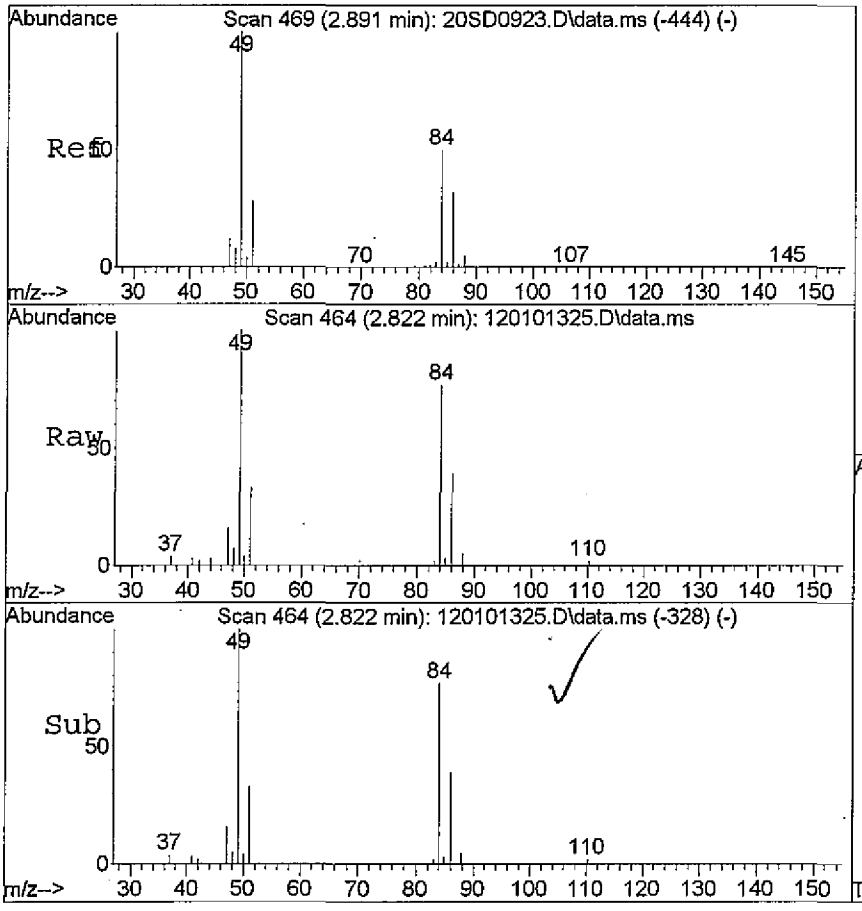
See M.I. for Spectrum

#8
ACETONE
Concen: 1.10 ug/L m
RT: 2.342 min Scan# 336
Delta R.T. -0.023 min
Lab File: 120101325.D
Acq: 30 Jan 2012 3:48 pm

Tgt Ion: 43 Resp: 4430

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#

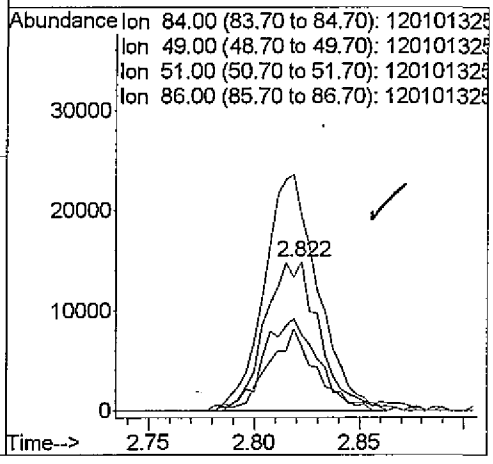


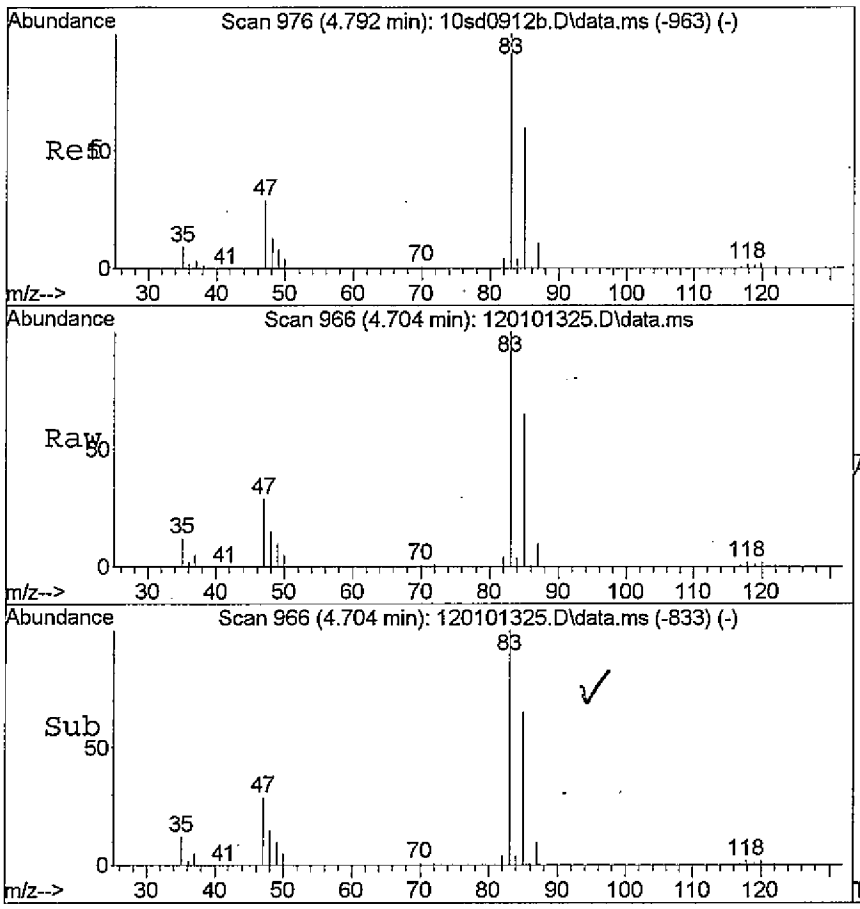


#11
METHYLENE CHLORIDE
Concen: 1.12 ug/L
RT: 2.822 min Scan# 464
Delta R.T. 0.011 min
Lab File: 120101325.D
Acq: 30 Jan 2012 3:48 pm

Tgt Ion: 84 Resp: 26776

Ion	Ratio	Lower	Upper
84	100		
49	159.6	102.1	153.1#
51	47.4	31.0	46.6#
86	63.2	49.2	73.8

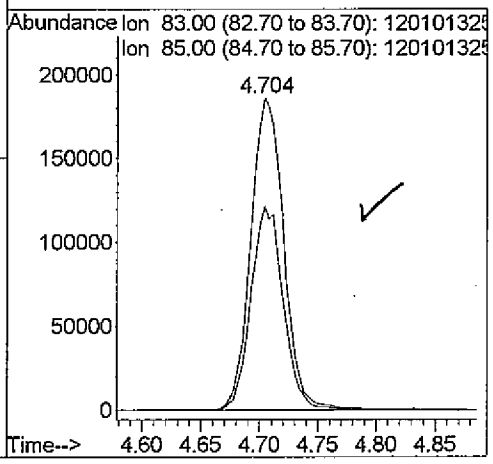


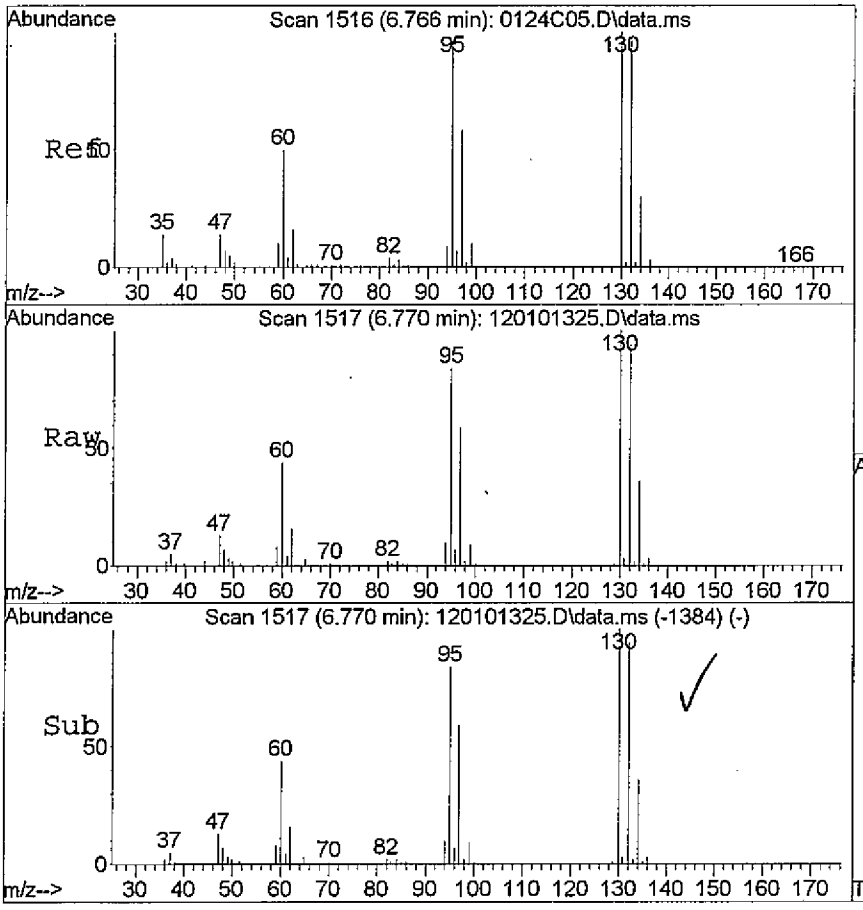


#22
CHLOROFORM
Concen: 7.84 ug/L
RT: 4.704 min Scan# 966
Delta R.T. -0.000 min
Lab File: 120101325.D
Acq: 30 Jan 2012 3:48 pm

Tgt Ion: 83 Resp: 366990

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.3	76.9

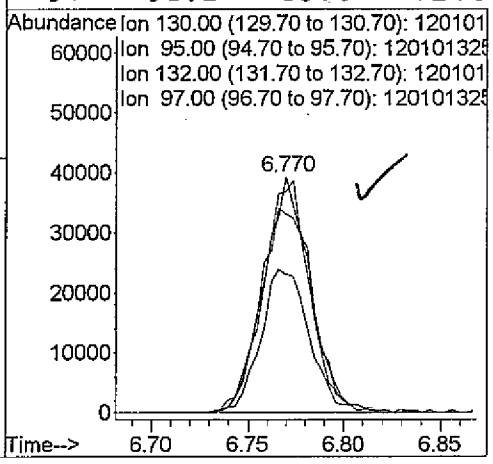


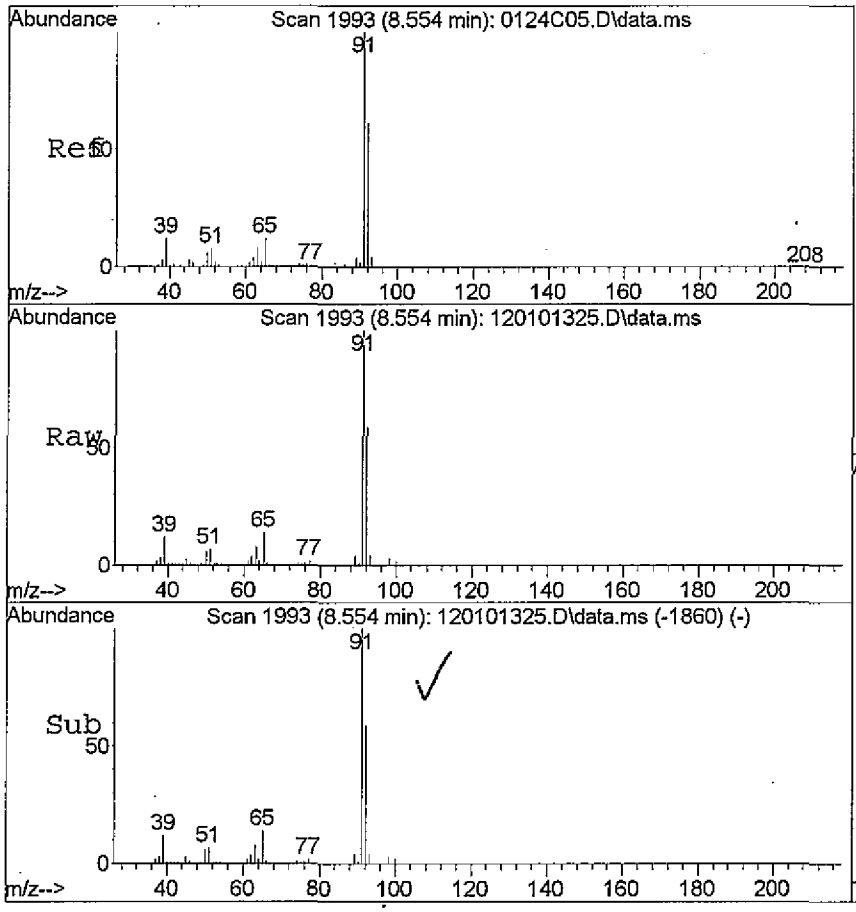


#33
TRICHLOROETHENE
Concen: 2.11 ug/L
RT: 6.770 min Scan# 1517
Delta R.T. -0.000 min
Lab File: 120101325.D
Acq: 30 Jan 2012 3:48 pm

Tgt Ion:130 Resp: 66025

Ion	Ratio	Lower	Upper
130	100		
95	96.3	74.6	111.8
132	103.4	77.6	116.4
97	64.2	48.0	72.0

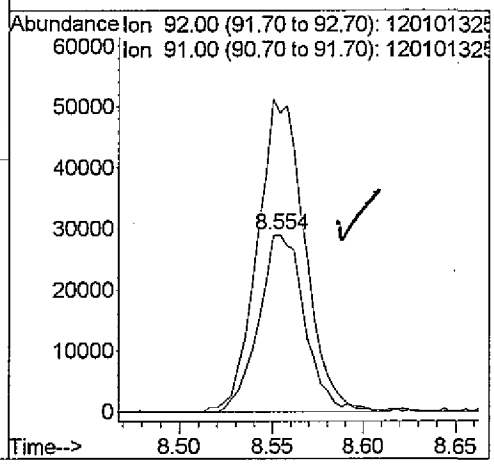


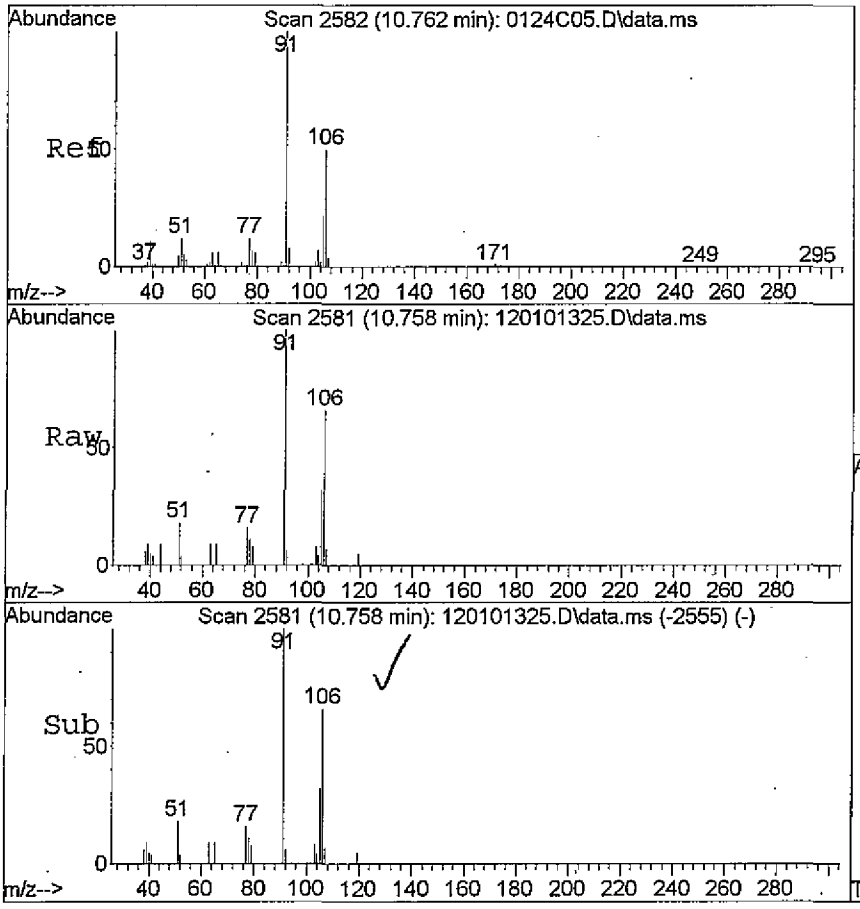


#43
TOLUENE
Concen: 0.59 ug/L
RT: 8.554 min Scan# 1993
Delta R.T. -0.000 min
Lab File: 120101325.D
Acq: 30 Jan 2012 3:48 pm

Tgt Ion: 92 Resp: 50616

Ion	Ratio	Lower	Upper
92	100		
91	181.7	139.3	208.9

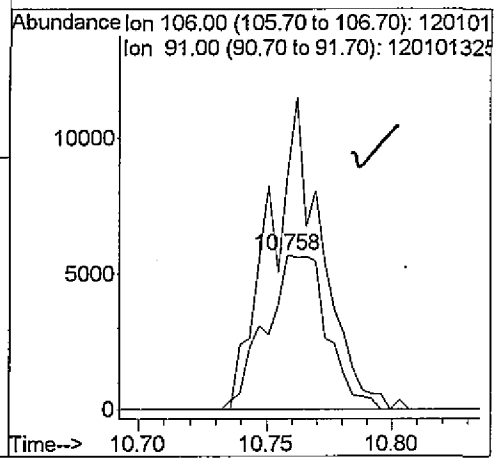


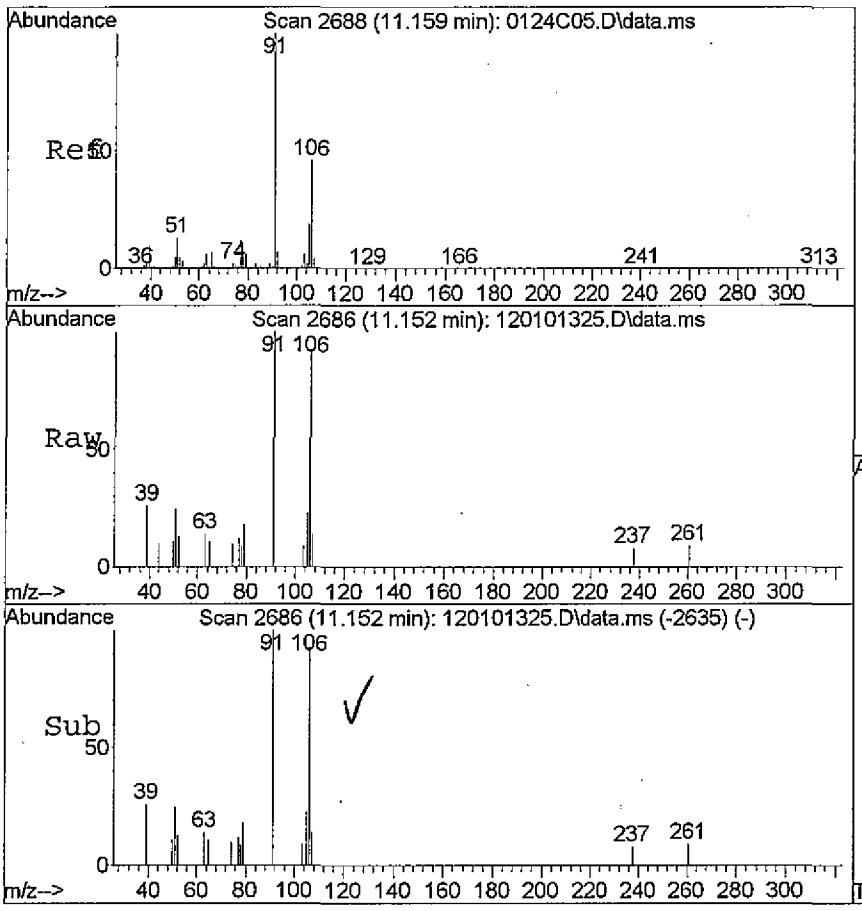


#53
M-XYLENE/P-XYLENE
Concen: 0.16 ug/L
RT: 10.758 min Scan# 2581
Delta R.T. -0.004 min
Lab File: 120101325.D
Acq: 30 Jan 2012 3:48 pm

Tgt Ion:106 Resp: 9728

Ion	Ratio	Lower	Upper
106	100		
91	172.4	164.8	247.2

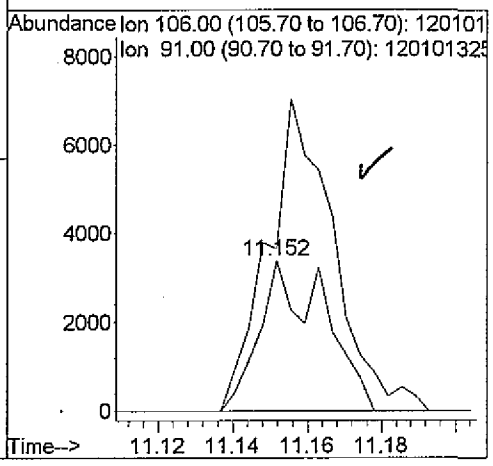


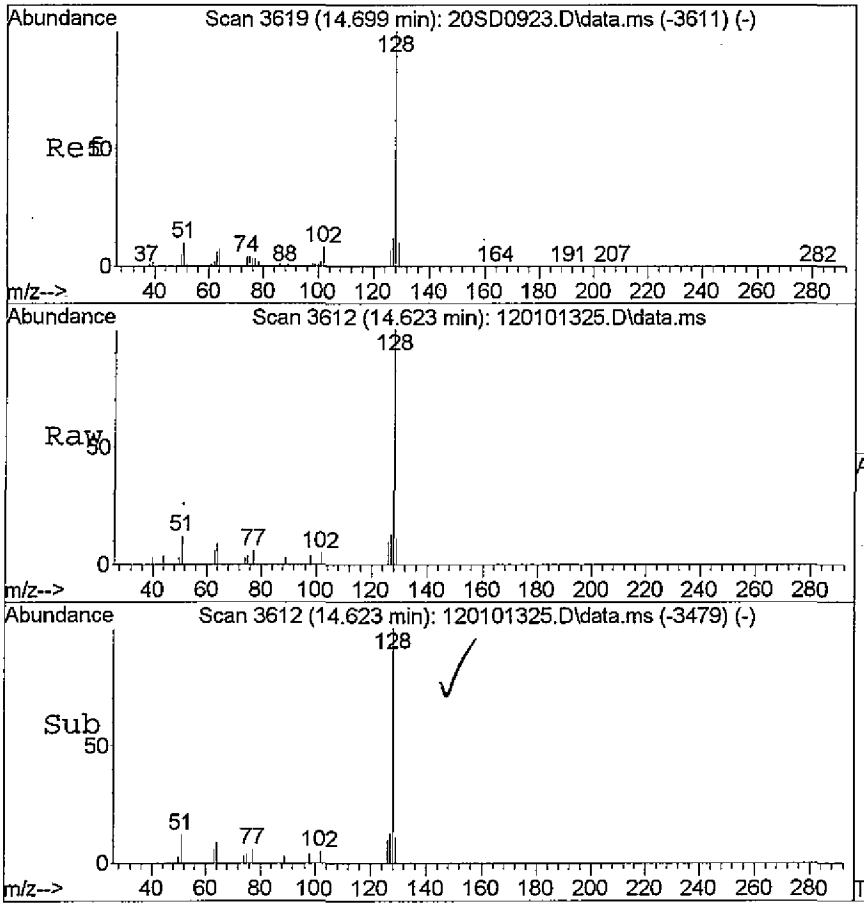


#55
O-XYLENE
Concen: 0.06 ug/L
RT: 11.152 min Scan# 2686
Delta R.T. -0.008 min ✓
Lab File: 120101325.D
Acq: 30 Jan 2012 3:48 pm

Tgt Ion:106 Resp: 4096

Ion	Ratio	Lower	Upper
106	100		
91	210.8	173.3	259.9

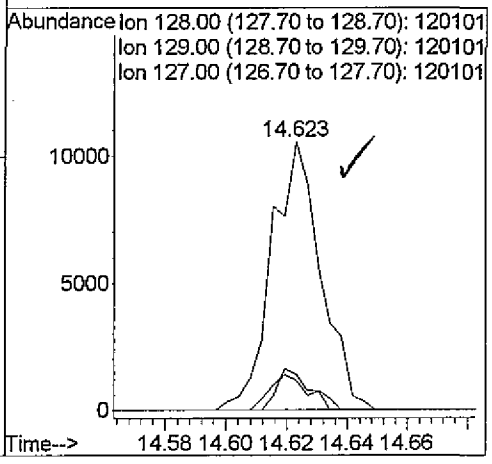




#76
NAPHTHALENE
Concen: 0.33 ug/L
RT: 14.623 min Scan# 3612
Delta R.T. -0.000 min ✓
Lab File: 120101325.D
Acq: 30 Jan 2012 3:48 pm

Tgt Ion:128 Resp: 11878

Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.7	13.1
127	10.6	10.2	15.2



LSC Area Percent Report

Data Path : D:\data\01302012\
Data File : 120101325.D
Acq On : 30 Jan 2012 3:48 pm
Operator : SCW OBB-AG5975
Sample : TB-02; A
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.819	448	463	480	rBV3	67953	124801	8.03%	1.538%
2	4.704	954	966	989	rBV3	506606	996045	64.06%	12.274%
3	5.345	1125	1137	1155	rBV2	166231	311551	20.04%	3.839%
4	6.380	1395	1413	1439	rBV	614551	1099601	70.72%	13.550%
5	6.770	1506	1517	1538	rBV2	208314	388984	25.02%	4.793%
6	8.475	1954	1972	1984	rBV	883928	1554926	100.00%	19.160%
7	8.550	1984	1992	2007	rVB	127766	233365	15.01%	2.876%
8	10.200	2418	2432	2452	rBV2	801050	1319856	84.88%	16.264%
9	10.762	2572	2582	2592	rVB3	33225	52181	3.36%	0.643%
10	11.156	2681	2687	2694	rVB3	17808	21626	1.39%	0.266%
11	11.530	2778	2787	2801	rBV	630561	829855	53.37%	10.226%
12	12.700	3086	3099	3109	rBV	965939	1158899	74.53%	14.280%
13	14.623	3605	3612	3623	rBV2	19891	23667	1.52%	0.292%

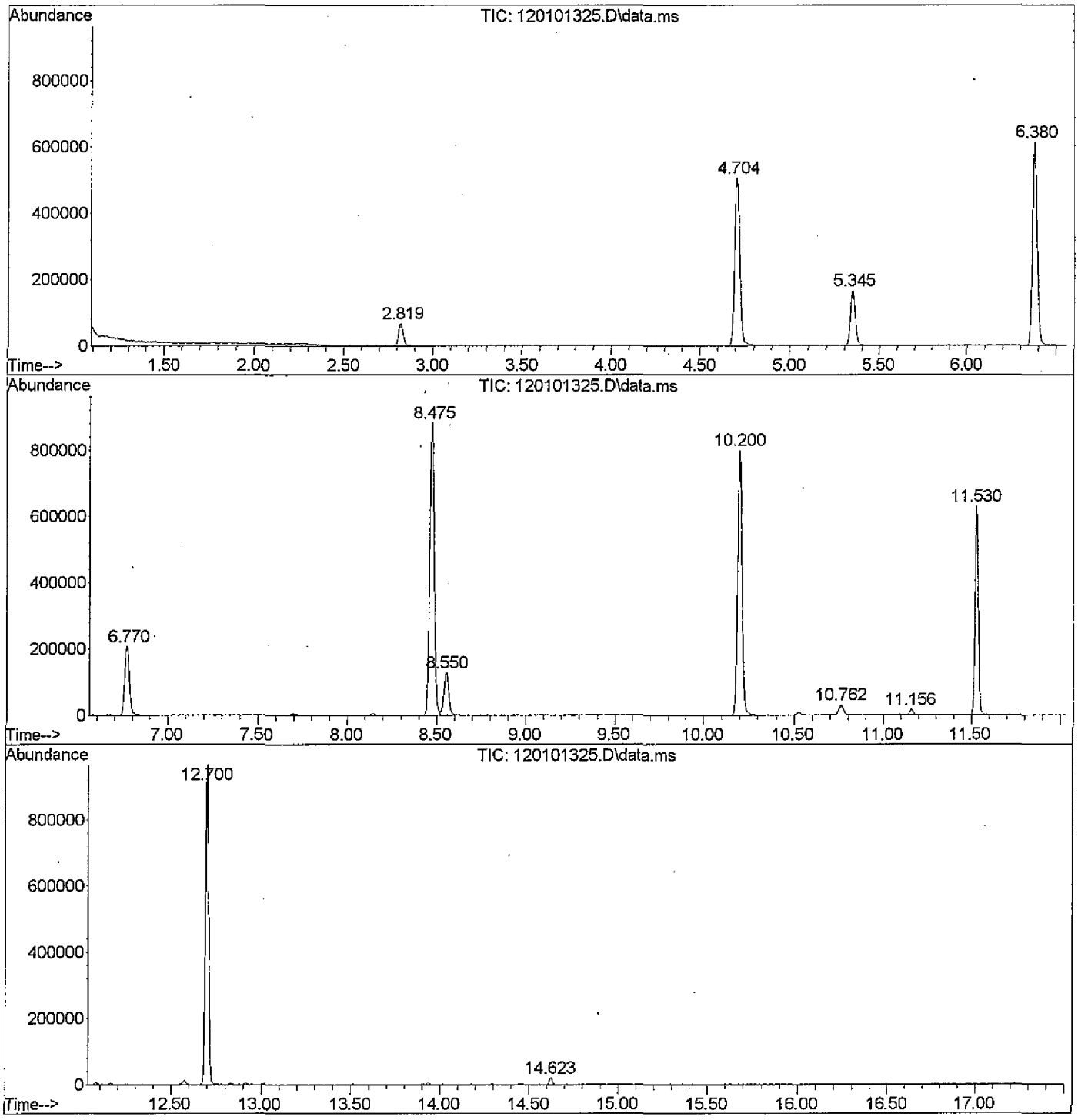
Sum of corrected areas: 8115357

LSC Report - Integrated Chromatogram

Data Path : D:\data\01302012\
Data File : 120101325.D
Acq On : 30 Jan 2012 3:48 pm
Operator : SCW OBB-AG5975
Sample : TB-02; A
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01302012\
Data File : 120101325.D
Acq On : 30 Jan 2012 3:48 pm
Operator : SCW OBB-AG5975
Sample : TB-02; A
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01302012\
Data File : 120101325.D
Acq On : 30 Jan 2012 3:48 pm
Operator : SCW OBB-AG5975
Sample : TB-02; A
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

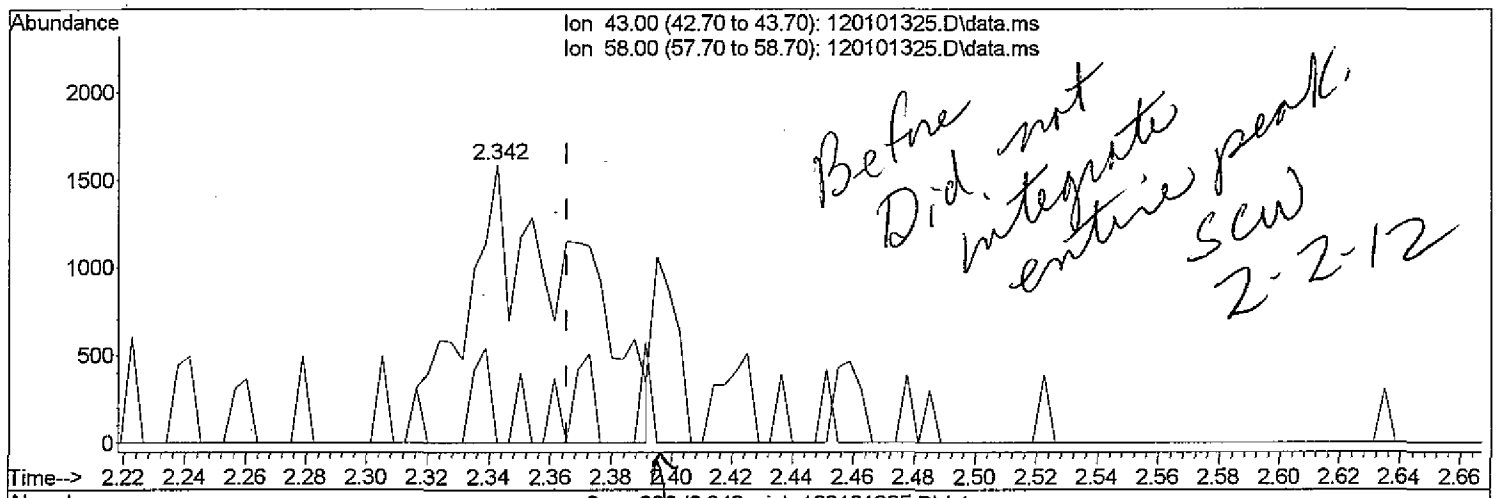
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

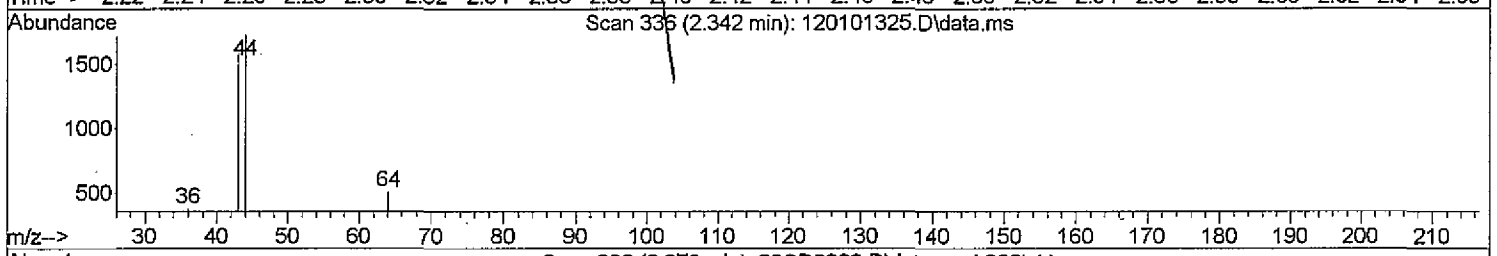
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

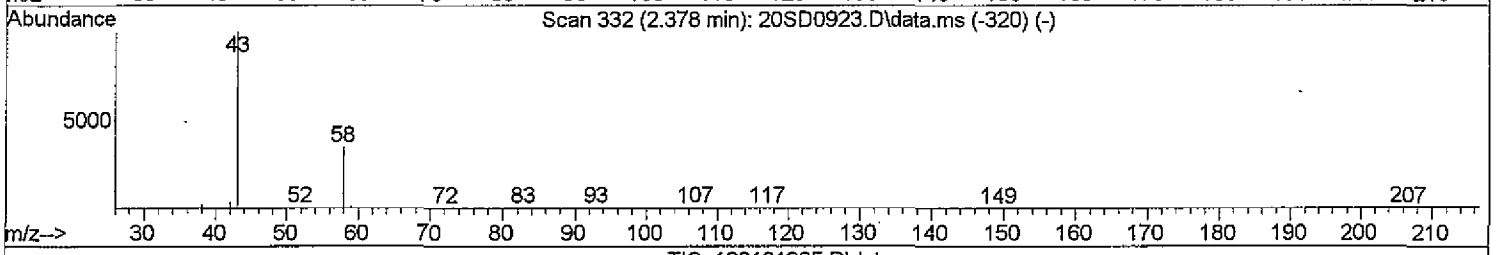
Quantitation Report (Qedit)

Data Path : D:\data\01302012\
Data File : 120101325.D
Acq On : 30 Jan 2012 3:48 pm
Operator : SCW OBB-AG5975
Sample : TB-02; A
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 07:47:11 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101325.D\data.ms

(8) ACETONE (TMCP)

2.342min (-0.023) 0.96ug/L

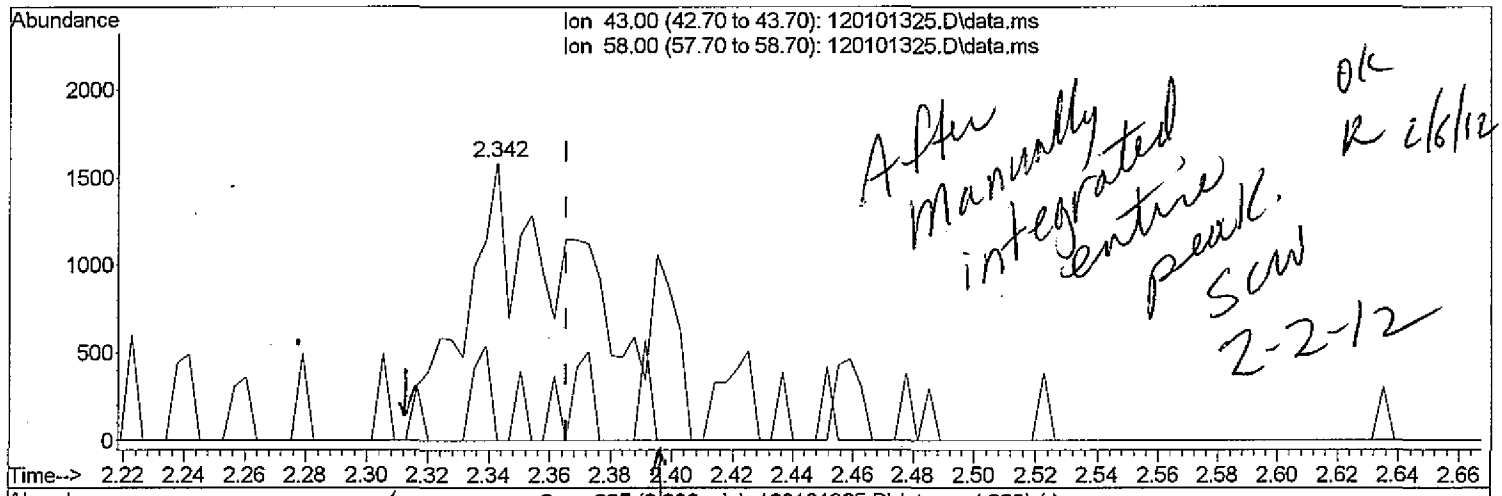
response 3853

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

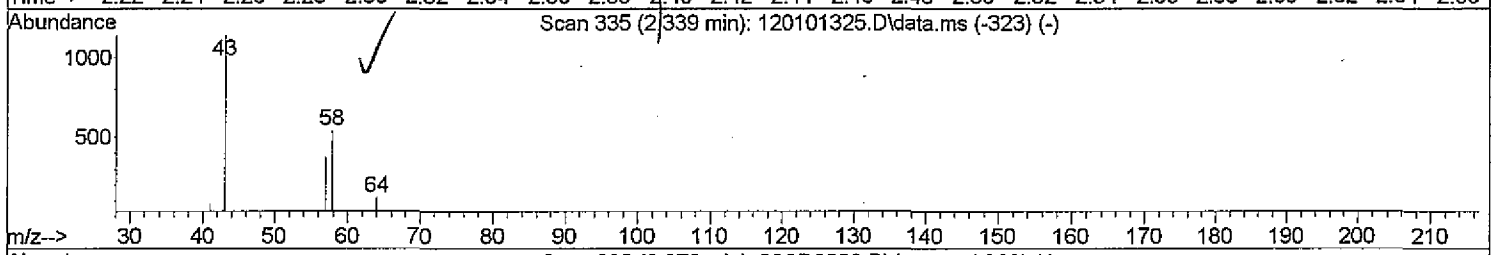
Data Path : D:\data\01302012\
Data File : 120101325.D
Acq On : 30 Jan 2012 3:48 pm
Operator : SCW OBB-AG5975
Sample : TB-02; A
Misc :
ALS Vial : 2 Sample Multiplier: 1

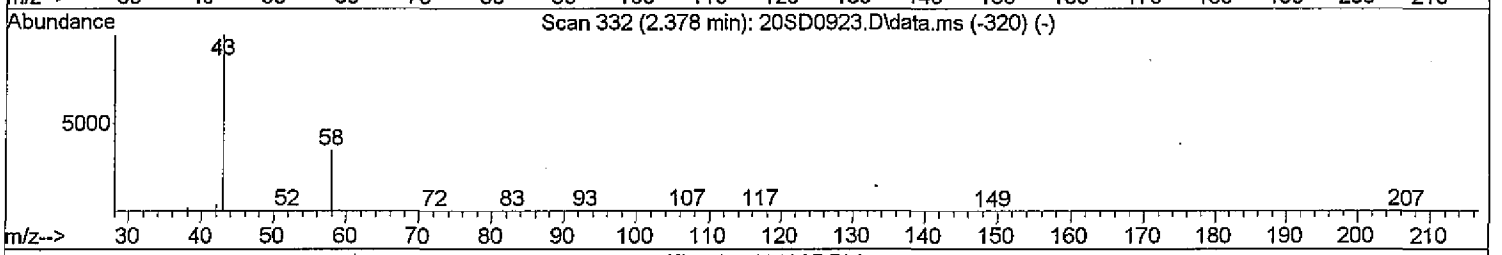
Quant Time: Jan 31 07:47:11 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration



After manually integrated entire peak. SCW 2-2-12

OK R 2/6/12





TIC: 120101325.D\data.ms

(8) ACETONE (TMCP)

2.342min (-0.023) 1.10ug/L m

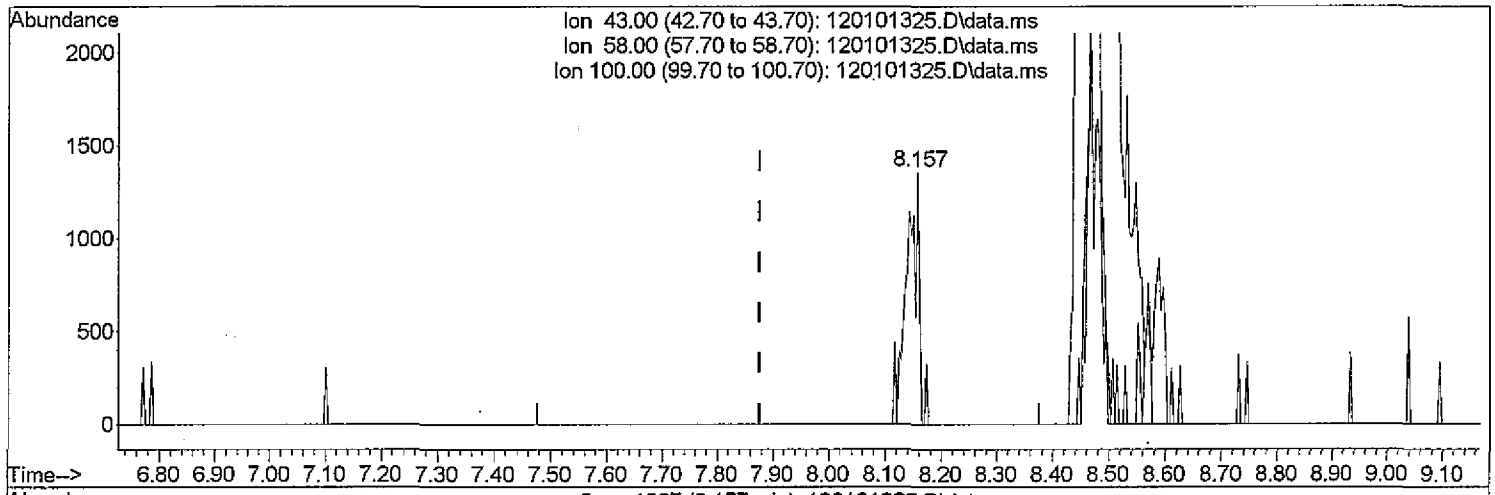
response 4430

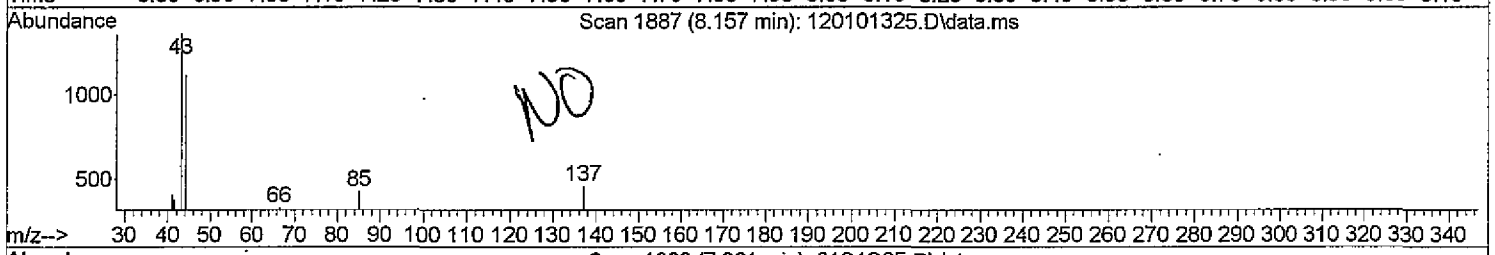
Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

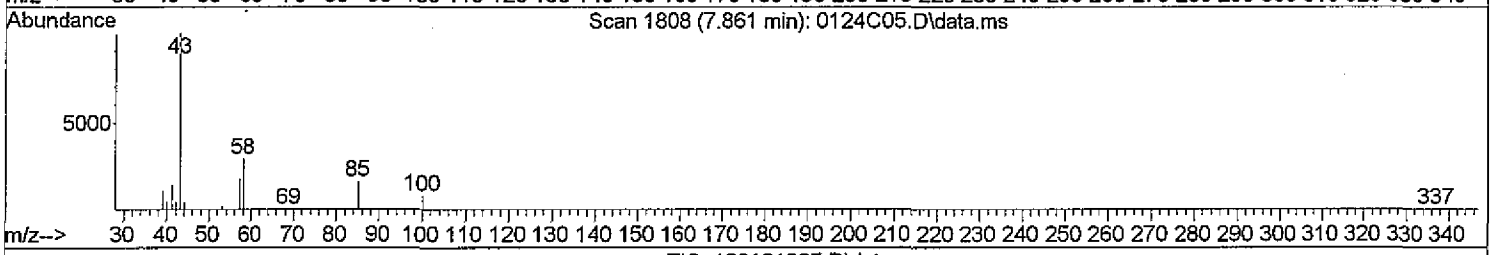
Quantitation Report (Qedit)

Data Path : D:\data\01302012\
Data File : 120101325.D
Acq On : 30 Jan 2012 3:48 pm
Operator : SCW OBB-AG5975
Sample : TB-02; A
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 07:47:11 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101325.D\data.ms

(39) 4-METHYL-2-PENTANONE (TMCP)

8.157min (+0.281) 0.21ug/L

response 1946

Ion	Exp%	Act%
43.00	100	100
58.00	36.60	0.00#
100.00	12.60	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 120101326.D
Acq On : 30 Jan 2012 4:15 pm
Operator : SCW OBB-AG5975
Sample : TB-03; A
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 07:57:19 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	469682	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.203	117	421286	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	180117	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	104186	4.14 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 103.50%	
42) TOLUENE-d8	8.475	98	561820	3.71 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 92.75%	
60) 4-BROMOFLUOROBENZENE	11.530	95	163815	3.78 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 94.50%	
Target Compounds					Qvalue
8) ACETONE	2.331	43	5318	1.32 ug/L # J	72
11) METHYLENE CHLORIDE	2.818	84	27356	1.14 ug/L #	80
22) CHLOROFORM	4.708	83	385532	8.23 ug/L	98
33) TRICHLOROETHENE	6.770	130	73980	2.36 ug/L	98
43) TOLUENE	8.554	92	54200	0.63 ug/L	95
53) M-XYLENE/P-XYLENE	10.762	106	10332	0.17 ug/L J	86
55) O-XYLENE	11.155	106	4339	0.07 ug/L J	98
76) NAPHTHALENE	14.623	128	10517	0.29 ug/L J	100

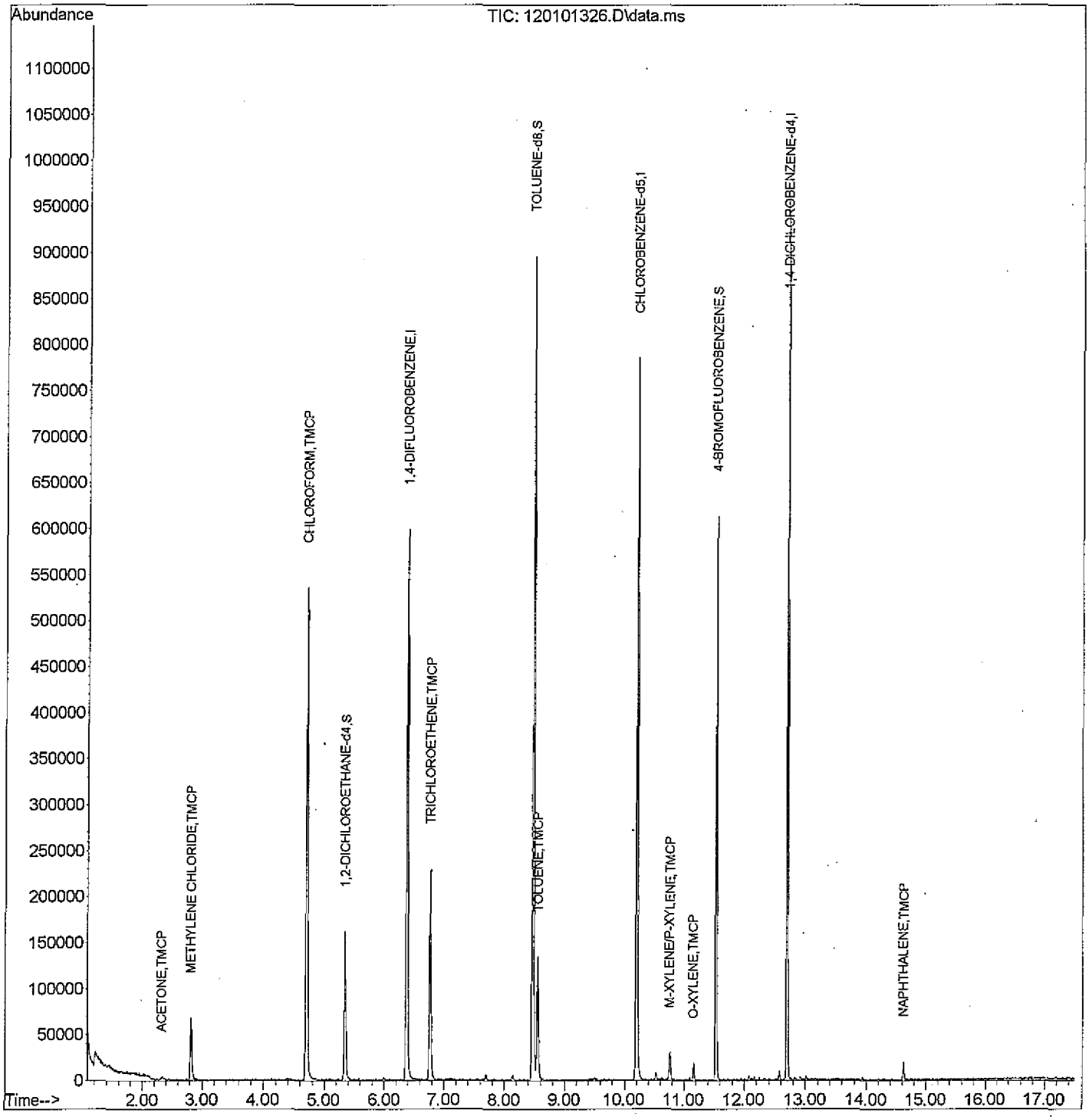
(#) = qualifier out of range (m) = manual integration (+) = signals summed

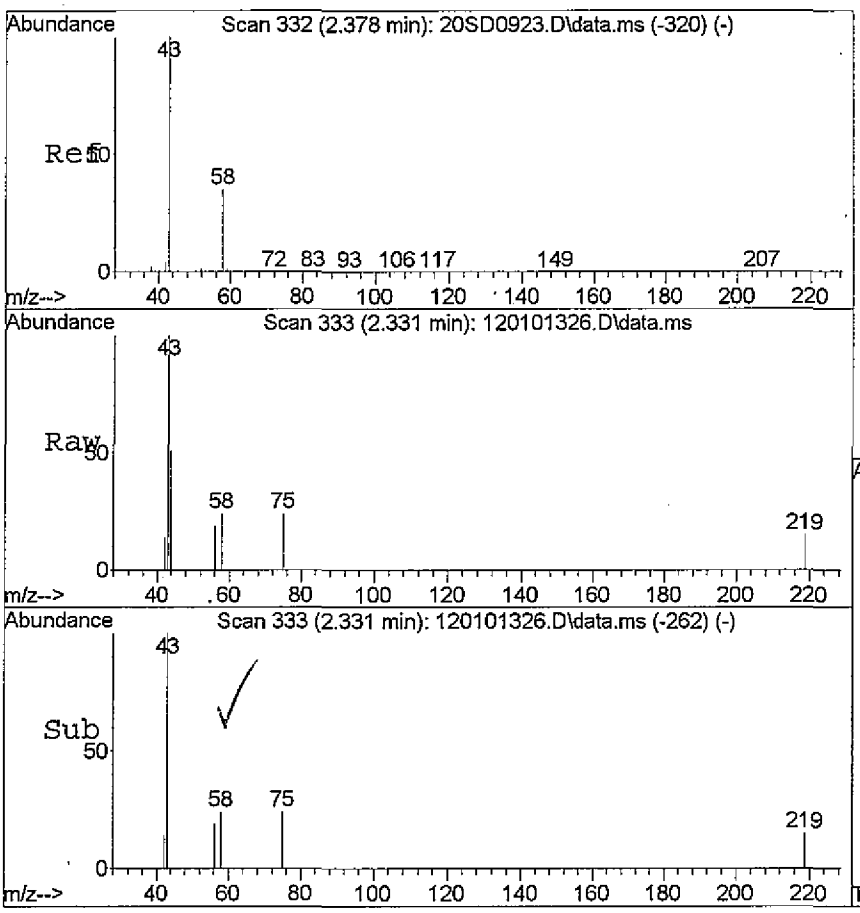
No TICs

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 120101326.D
Acq On : 30 Jan 2012 4:15 pm
Operator : SCW OBB-AG5975
Sample : TB-03; A
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 07:57:19 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

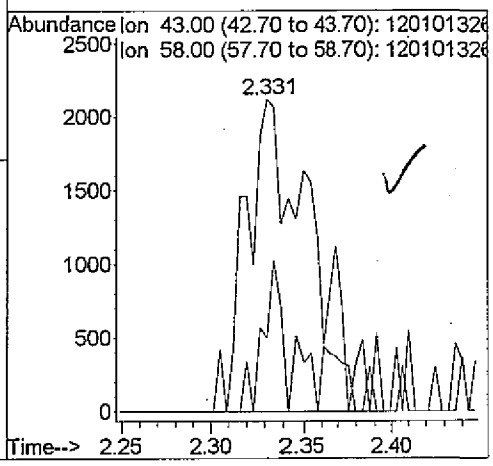


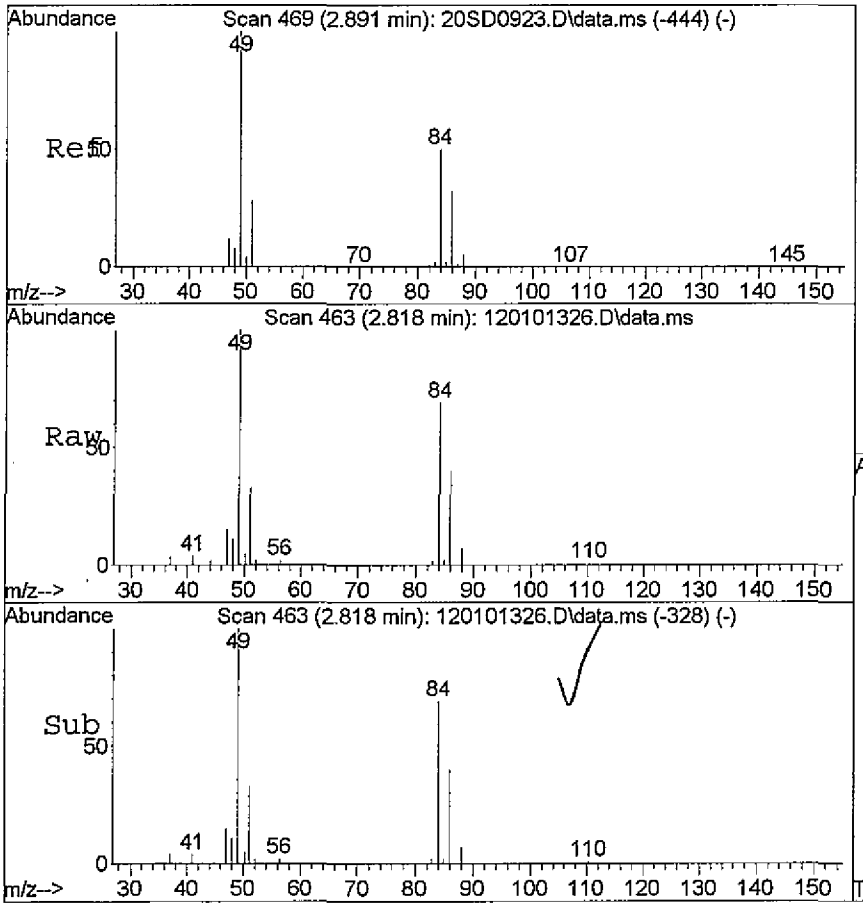


#8
ACETONE
Concen: 1.32 ug/L
RT: 2.331 min Scan# 333
Delta R.T. -0.034 min
Lab File: 120101326.D
Acq: 30 Jan 2012 4:15 pm

Tgt Ion: 43 Resp: 5318

Ion	Ratio	Lower	Upper
43	100		
58	13.4	22.5	33.7#

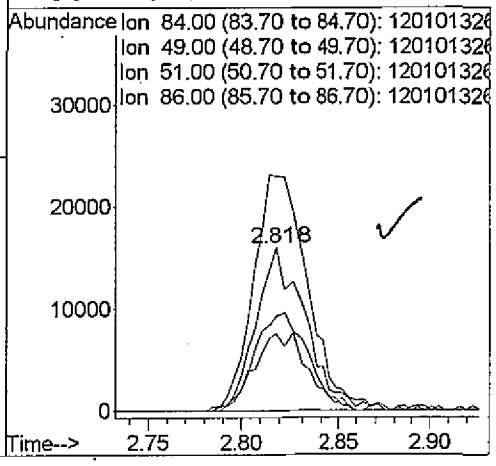


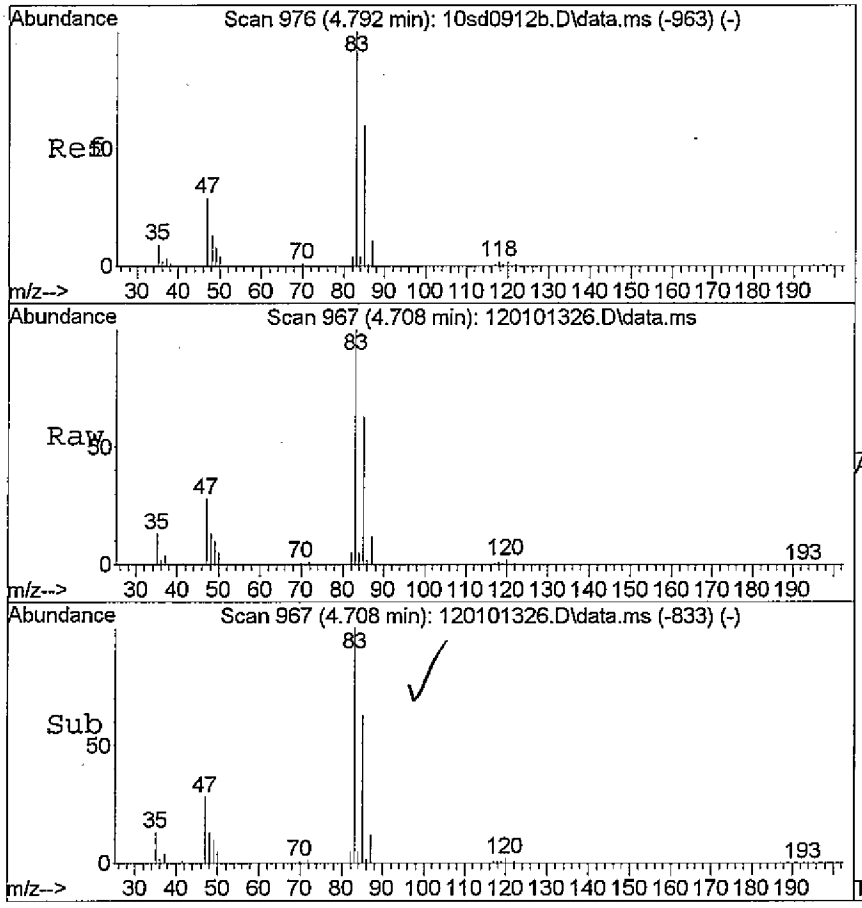


#11
METHYLENE CHLORIDE
Concen: 1.14 ug/L
RT: 2.818 min Scan# 463
Delta R.T. 0.007 min
Lab File: 120101326.D
Acq: 30 Jan 2012 4:15 pm

Tgt Ion: 84 Resp: 27356

Ion	Ratio	Lower	Upper
84	100		
49	159.2	102.1	153.1#
51	51.5	31.0	46.6#
86	64.1	49.2	73.8

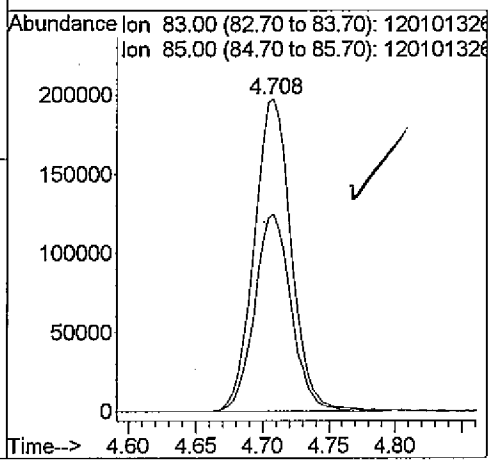


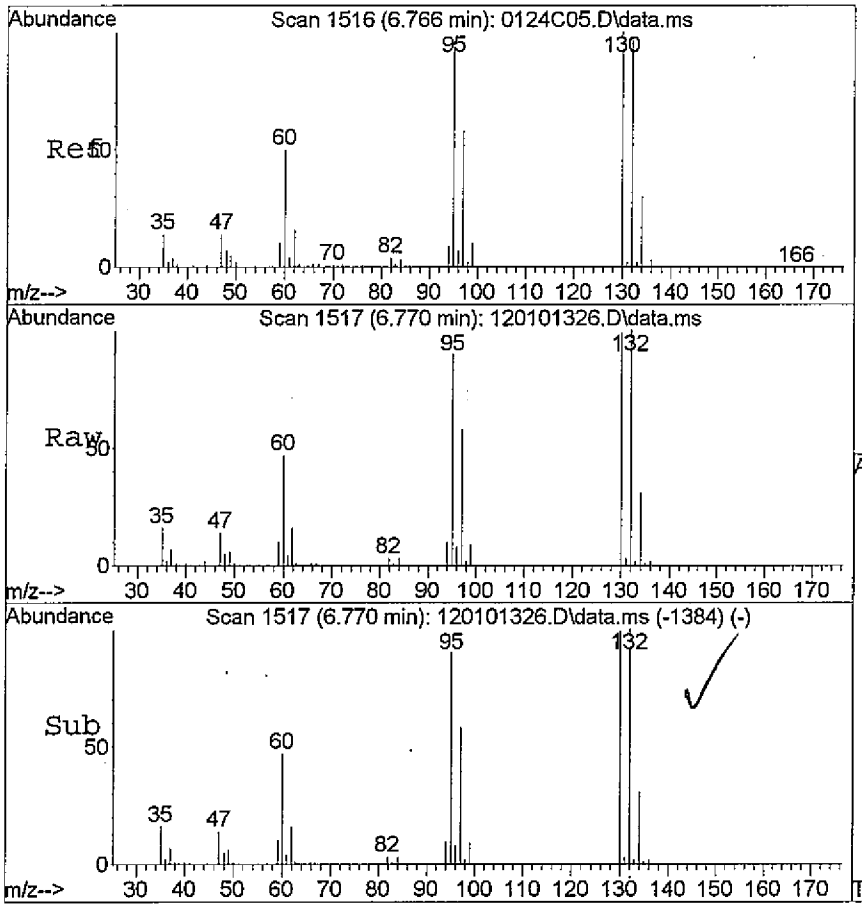


#22
CHLOROFORM
Concen: 8.23 ug/L
RT: 4.708 min Scan# 967
Delta R.T. 0.004 min
Lab File: 120101326.D
Acq: 30 Jan 2012 4:15 pm

Tgt Ion: 83 Resp: 385532

Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.3	76.9

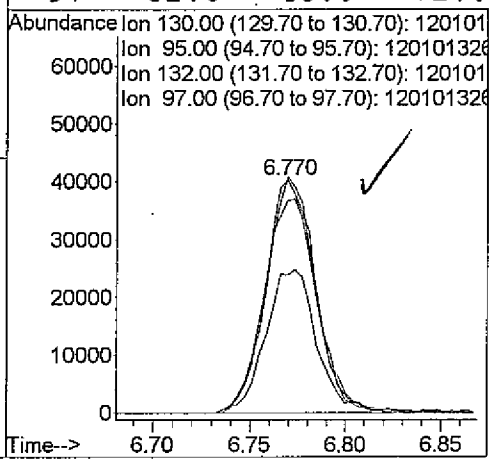


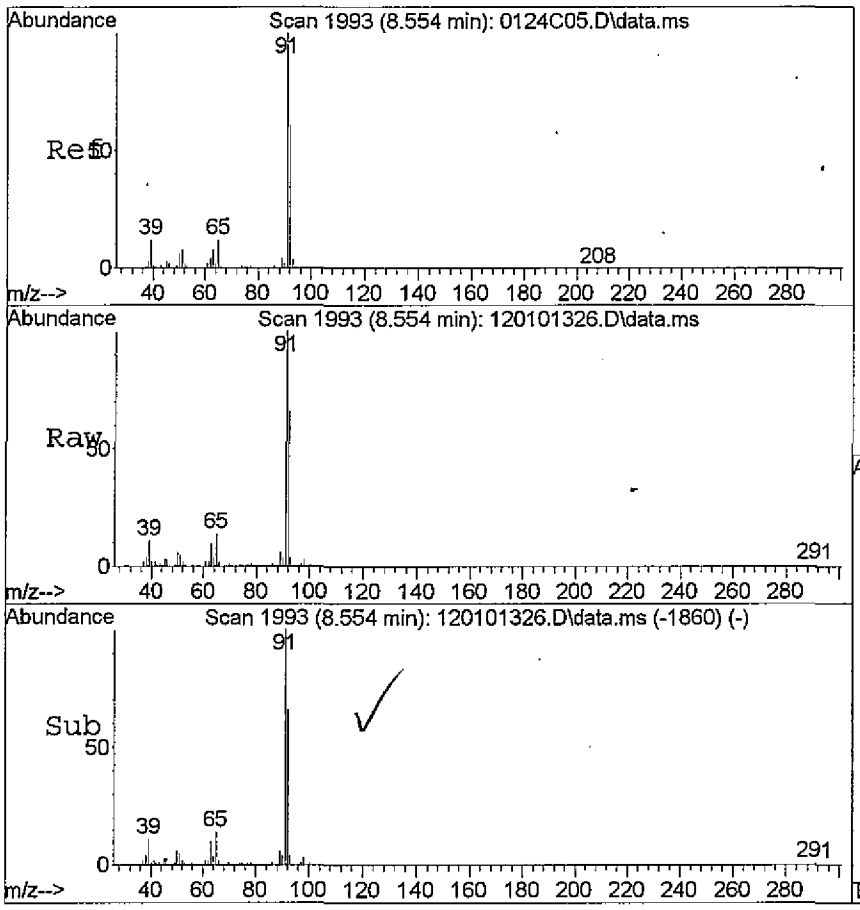


#33
TRICHLOROETHENE
Concen: 2.36 ug/L
RT: 6.770 min Scan# 1517
Delta R.T. -0.000 min
Lab File: 120101326.D
Acq: 30 Jan 2012 4:15 pm

Tgt Ion:130 Resp: 73980

Ion	Ratio	Lower	Upper
130	100		
95	94.4	74.6	111.8
132	98.6	77.6	116.4
97	62.0	48.0	72.0

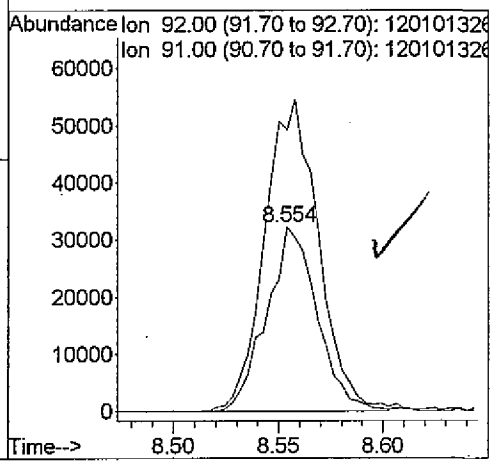


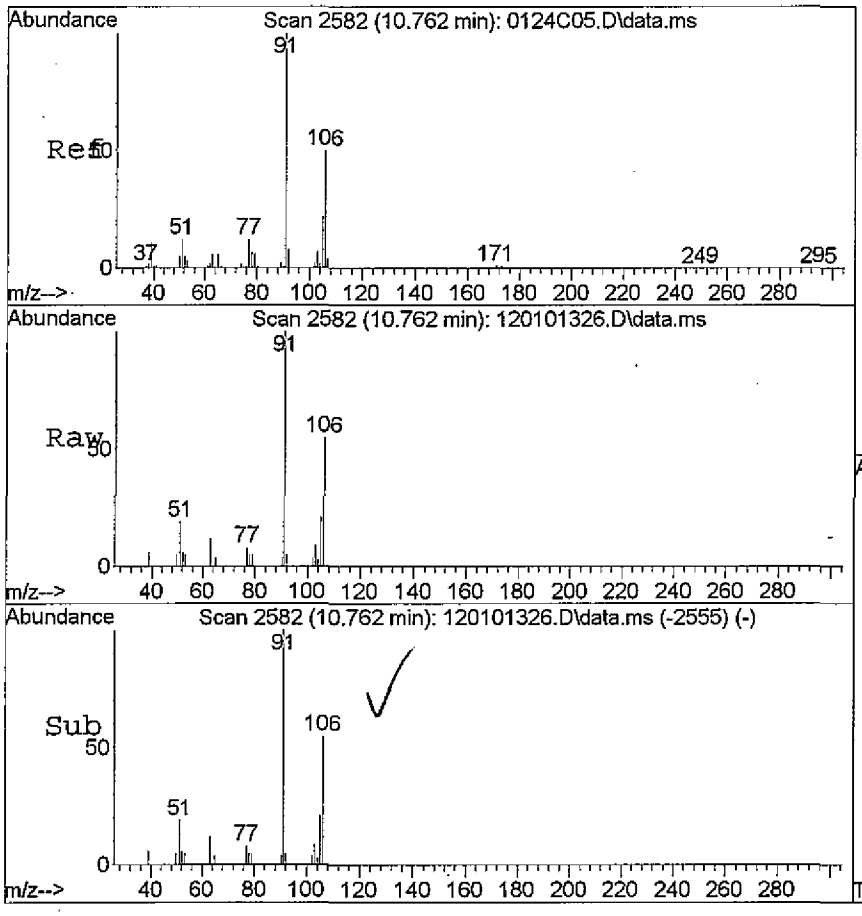


#43
TOLUENE
Concen: 0.63 ug/L
RT: 8.554 min Scan# 1993
Delta R.T. -0.000 min
Lab File: 120101326.D
Acq: 30 Jan 2012 4:15 pm

Tgt Ion: 92 Resp: 54200

Ion	Ratio	Lower	Upper
92	100		
91	180.4	139.3	208.9

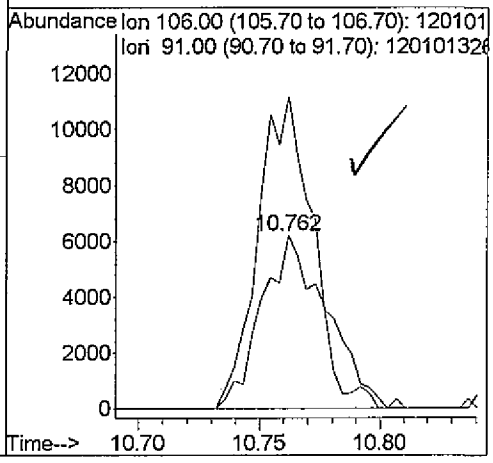


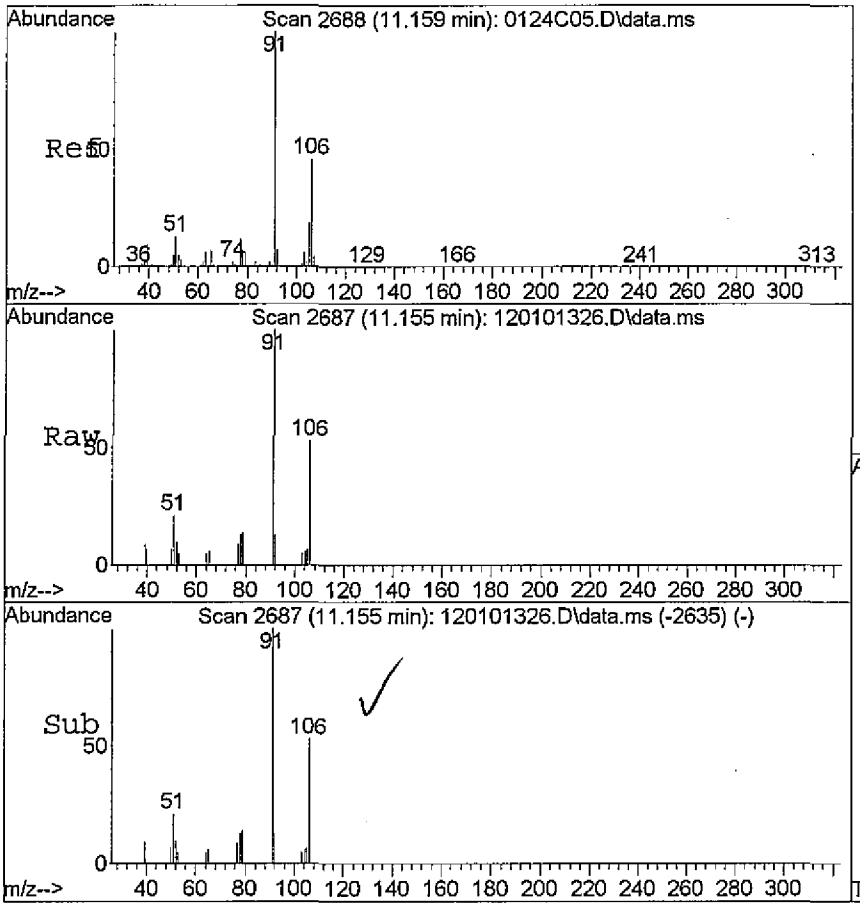


#53
M-XYLENE/P-XYLENE
Concen: 0.17 ug/L
RT: 10.762 min Scan# 2582
Delta R.T. -0.000 min
Lab File: 120101326.D
Acq: 30 Jan 2012 4:15 pm

Tgt Ion:106 Resp: 10332

Ion	Ratio	Lower	Upper
106	100		
91	184.5	164.8	247.2

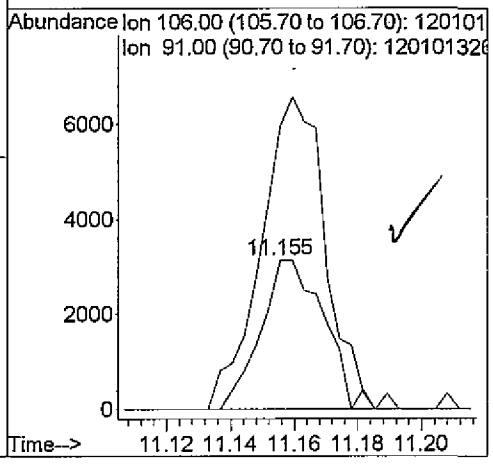


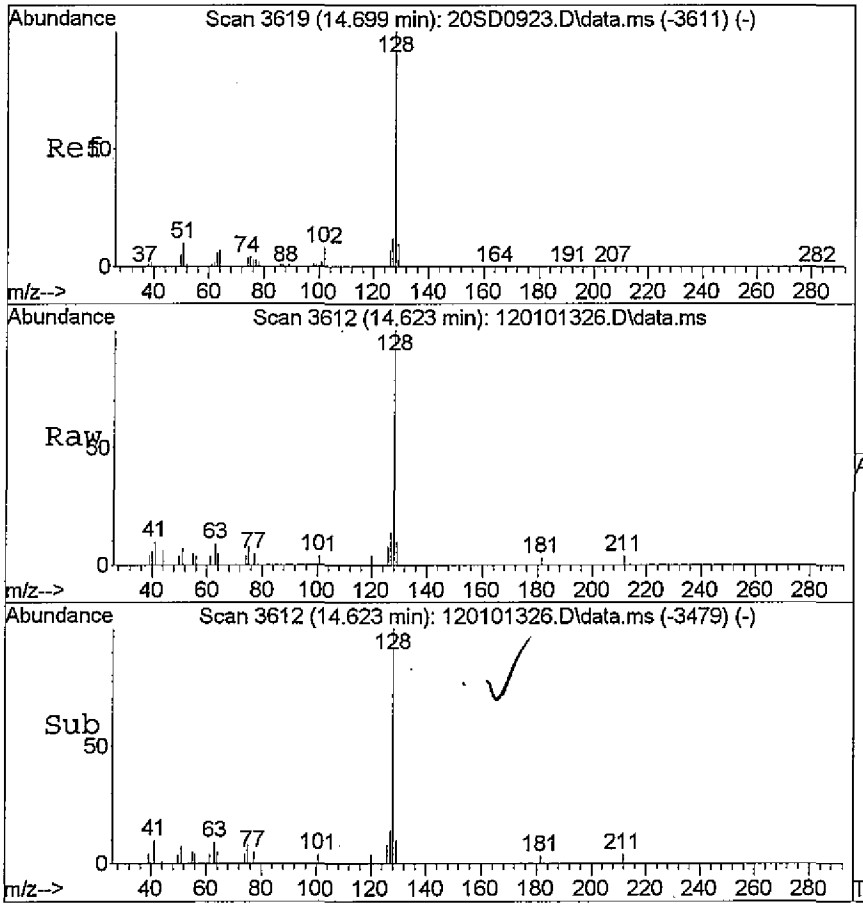


#55
O-XYLENE
Concen: 0.07 ug/L
RT: 11.155 min Scan# 2687
Delta R.T. -0.004 min
Lab File: 120101326.D
Acq: 30 Jan 2012 4:15 pm

Tgt Ion:106 Resp: 4339

Ion	Ratio	Lower	Upper
106	100		
91	213.8	173.3	259.9

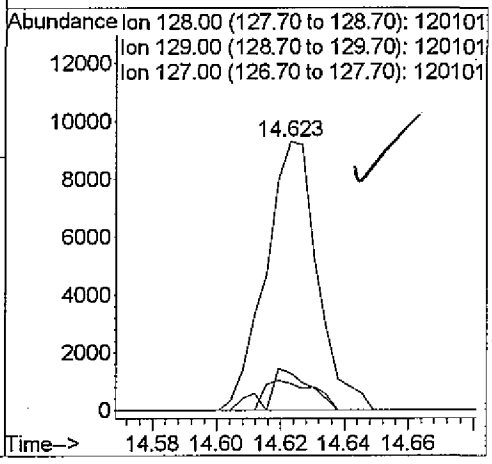




#76
NAPHTHALENE
Concen: 0.29 ug/L
RT: 14.623 min Scan# 3612
Delta R.T. -0.000 min
Lab File: 120101326.D
Acq: 30 Jan 2012 4:15 pm

Tgt Ion:128 Resp: 10517

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	12.6	10.2	15.2



LSC Area Percent Report

Data Path : D:\data\01302012\
Data File : 120101326.D
Acq On : 30 Jan 2012 4:15 pm
Operator : SCW OBB-AG5975
Sample : TB-03; A
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.225	29	38	44	rBV3	16061	36121	2.34%	0.439%
2	2.818	451	463	476	rBV3	68176	129165	8.38%	1.569%
3	4.708	951	967	990	rBV2	536335	1036924	67.25%	12.594%
4	5.345	1124	1137	1153	rBV3	161662	303136	19.66%	3.682%
5	6.380	1399	1413	1430	rBV	598960	1078871	69.97%	13.103%
6	6.773	1506	1518	1540	rVB3	230011	428988	27.82%	5.210%
7	8.475	1954	1972	1985	rBV	896306	1541813	100.00%	18.726%
8	8.558	1985	1994	2011	rVB	134153	249908	16.21%	3.035%
9	10.203	2420	2433	2458	rVB2	785948	1316825	85.41%	15.993%
10	10.529	2507	2520	2529	rVB4	9203	16653	1.08%	0.202%
11	10.762	2569	2582	2593	rVB4	30914	58680	3.81%	0.713%
12	11.159	2680	2688	2698	rBV2	19335	25682	1.67%	0.312%
13	11.530	2777	2787	2800	rBV	613621	831644	53.94%	10.101%
14	12.700	3090	3099	3109	rBV	954741	1149765	74.57%	13.964%
15	14.623	3603	3612	3621	rBV2	21207	29382	1.91%	0.357%

Sum of corrected areas: 8233557

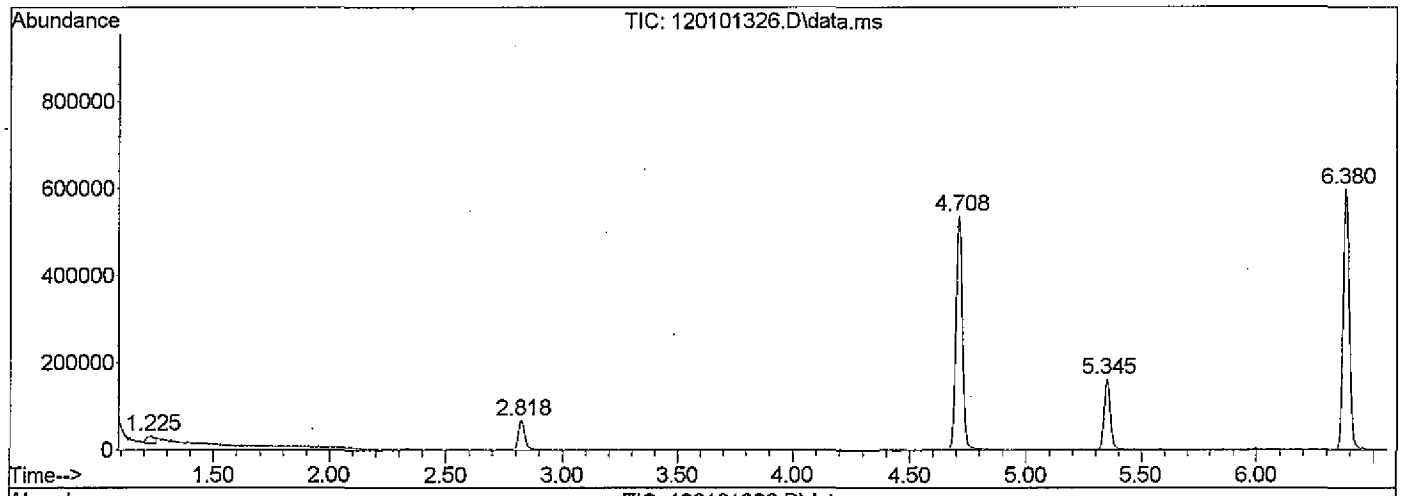
DIM0218843 DIM0219367

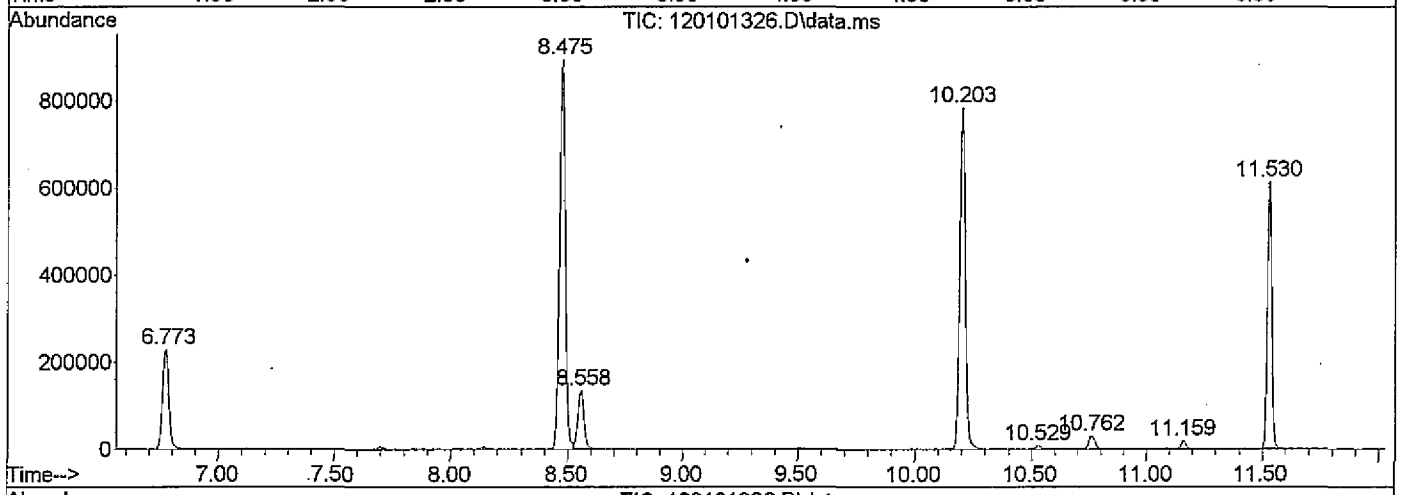
LSC Report - Integrated Chromatogram

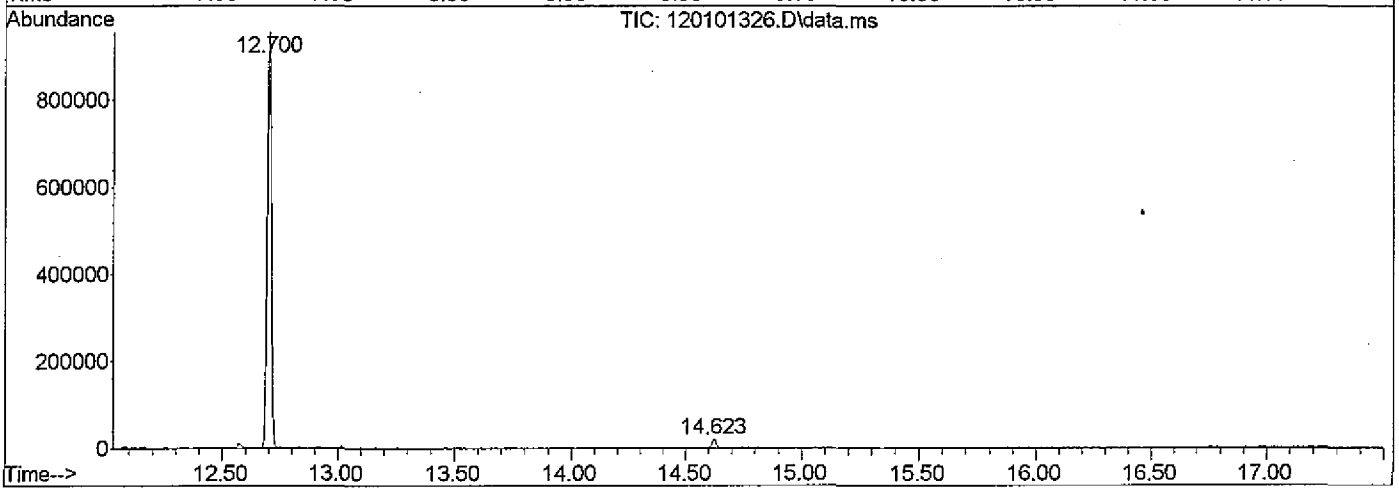
Data Path : D:\data\01302012\
Data File : 120101326.D
Acq On : 30 Jan 2012 4:15 pm
Operator : SCW OBB-AG5975
Sample : TB-03; A
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Data Path : D:\data\01302012\
Data File : 120101326.D
Acq On : 30 Jan 2012 4:15 pm
Operator : SCW OBB-AG5975
Sample : TB-03; A
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01302012\
Data File : 120101326.D
Acq On : 30 Jan 2012 4:15 pm
Operator : SCW OBB-AG5975
Sample : TB-03; A
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

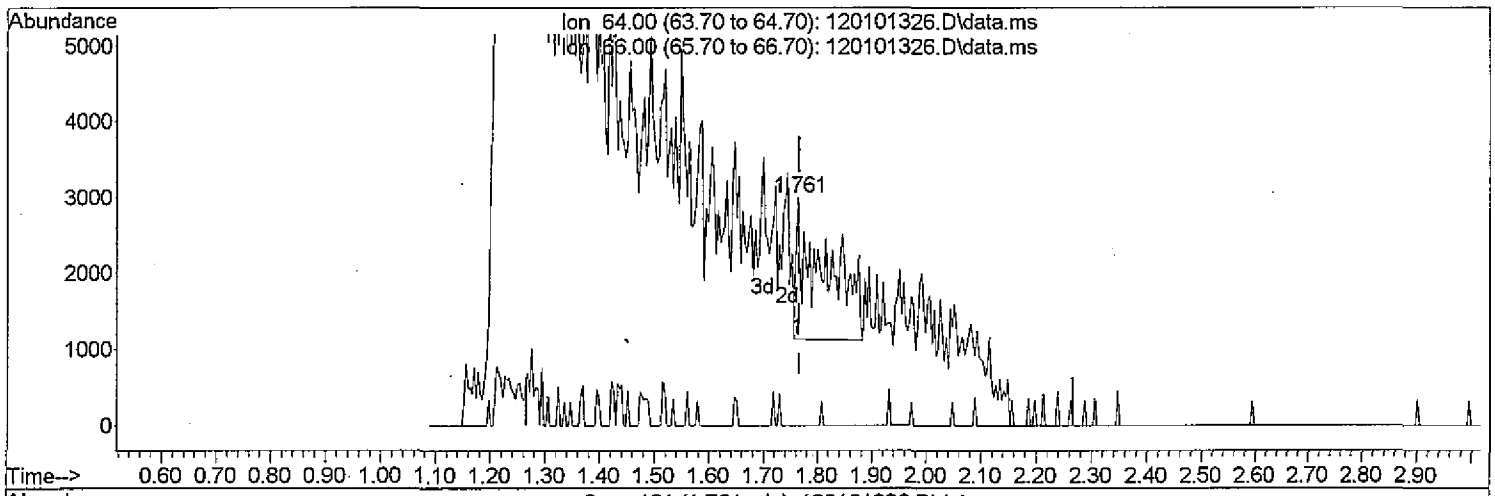
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

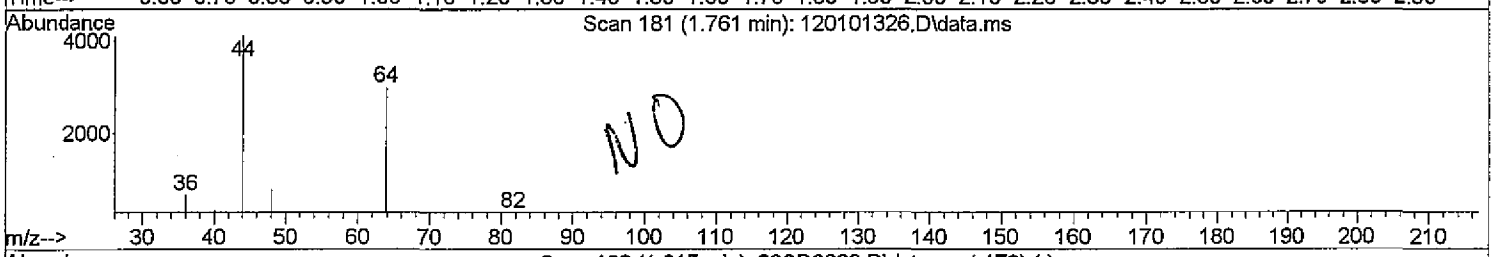
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

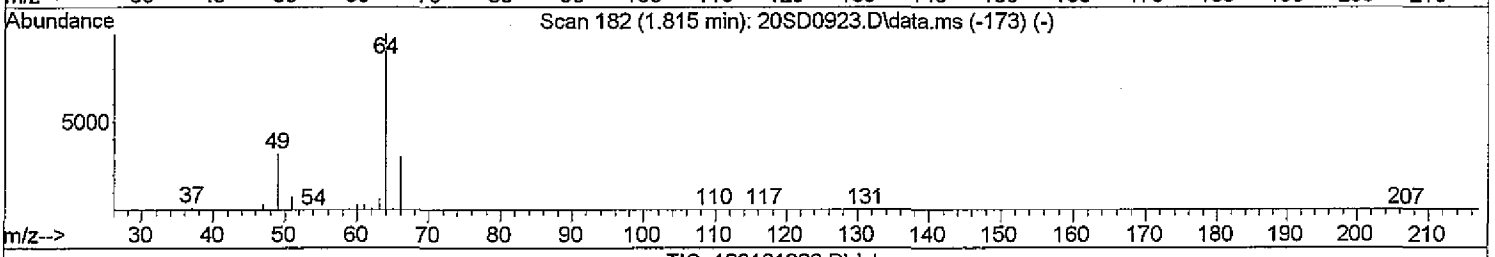
Quantitation Report (Qedit)

Data Path : D:\data\01302012\
Data File : 120101326.D
Acq On : 30 Jan 2012 4:15 pm
Operator : SCW OBB-AG5975
Sample : TB-03; A
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 07:47:23 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101326.D\data.ms

(6) CHLOROETHANE (TMCP)

1.761min (-0.004) 0.24ug/L

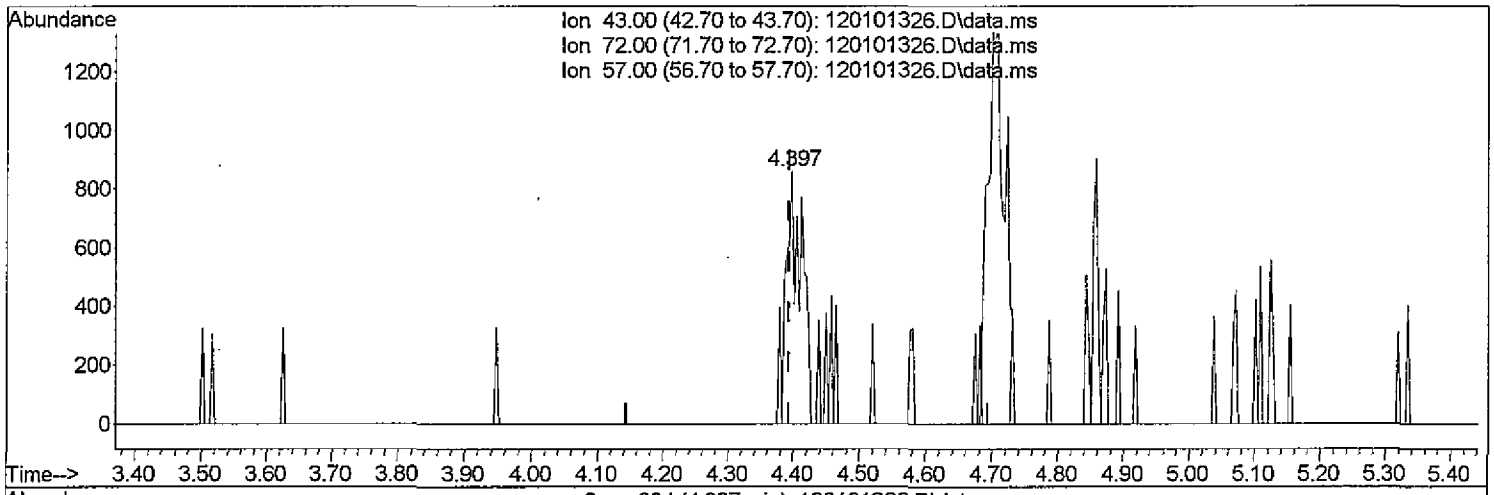
response 6728

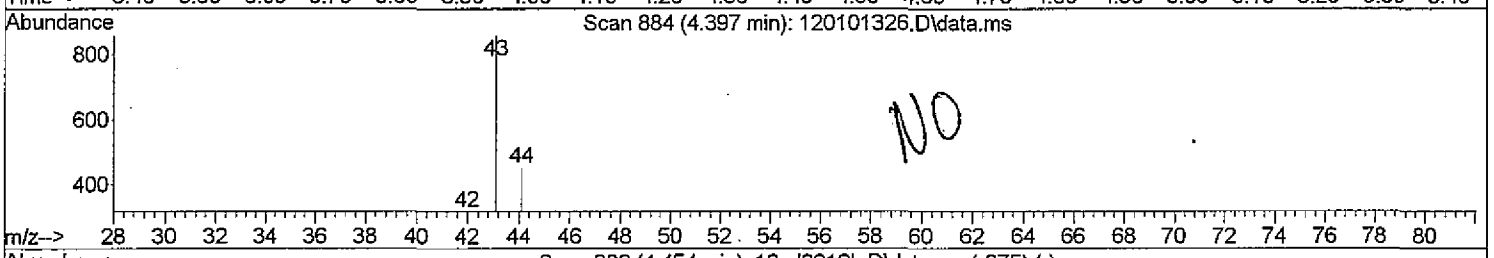
Ion	Exp%	Act%
64.00	100	100
66.00	31.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

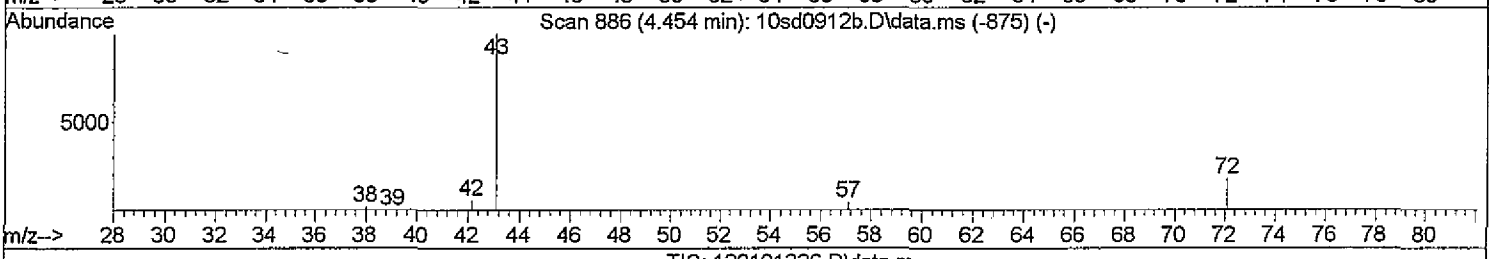
Quantitation Report (Qedit)

Data Path : D:\data\01302012\
Data File : 120101326.D
Acq On : 30 Jan 2012 4:15 pm
Operator : SCW OBB-AG5975
Sample : TB-03; A
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 07:47:23 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101326.D\data.ms

(19) 2-BUTANONE (TMCP)

4.397min (+0.004) 0.40ug/L

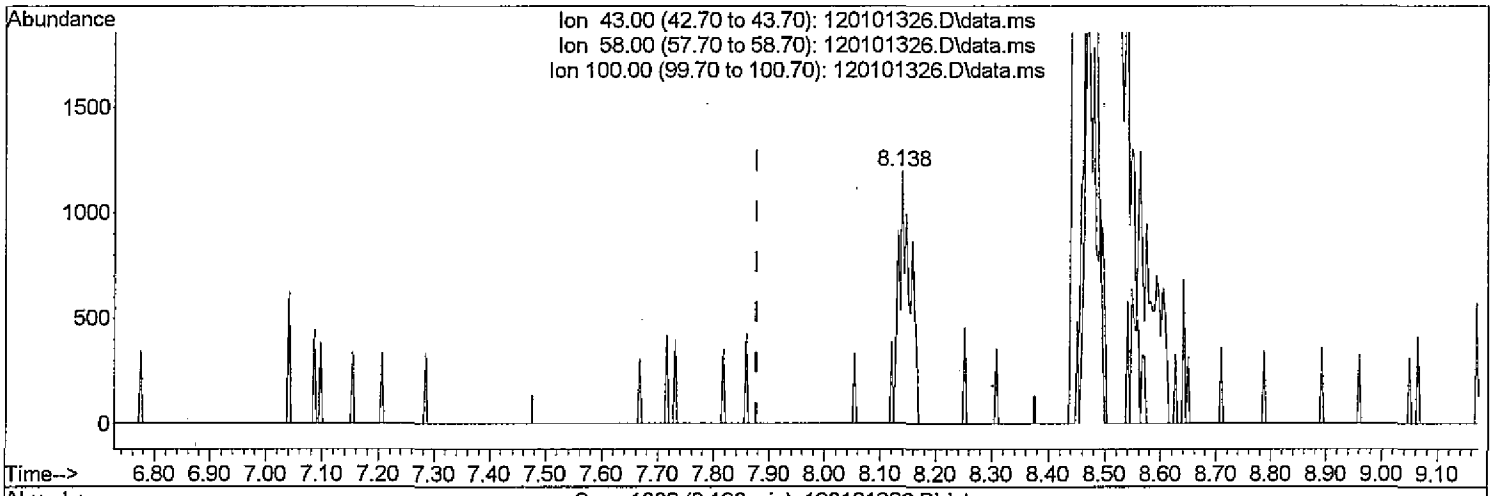
response 1468

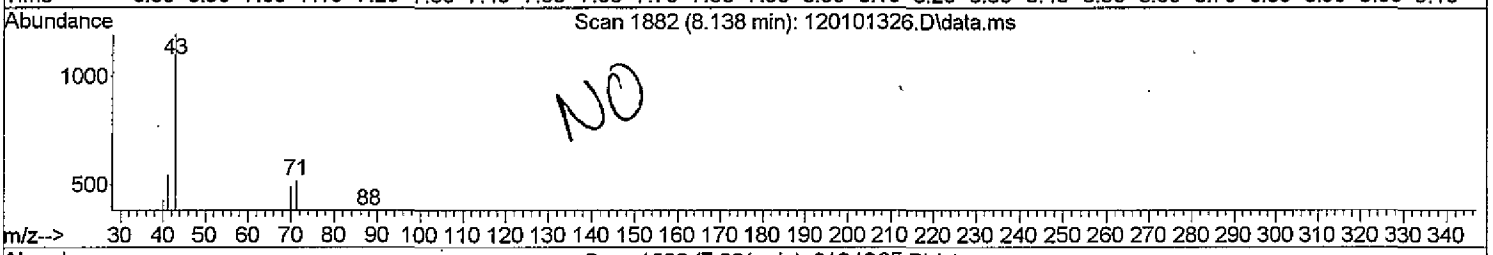
Ion	Exp%	Act%
43.00	100	100
72.00	18.60	0.00#
57.00	7.60	0.00#
0.00	0.00	0.00

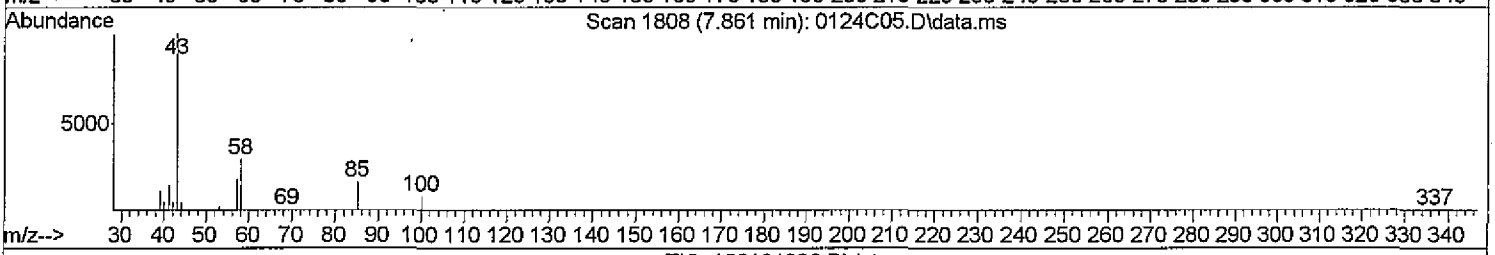
Quantitation Report (Qedit)

Data Path : D:\data\01302012\
Data File : 120101326.D
Acq On : 30 Jan 2012 4:15 pm
Operator : SCW OBB-AG5975
Sample : TB-03; A
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 07:47:23 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101326.D\data.ms

(39) 4-METHYL-2-PENTANONE (TMCP)

8.138min (+0.262) 0.20ug/L

response 1787

Ion	Exp%	Act%
43.00	100	100
58.00	36.60	0.00#
100.00	12.60	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 120101328.D
Acq On : 30 Jan 2012 6:59 pm
Operator : SCW OBB-AG5975
Sample : HW08A; V
Misc :
ALS Vial : 9 Sample Multiplier: 1

Possible Carryover. Report from 1-31-12

Quant Time: Jan 31 07:50:45 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	451794	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	410018	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	173006	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.349	65	99230	4.10 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 102.50%	
42) TOLUENE-d8	8.472	98	542831	3.68 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 92.00%	
60) 4-BROMOFLUOROBENZENE	11.534	95	154386	3.71 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 92.75%	
Target Compounds					Qvalue
8) ACETONE	2.346	43	1999	0.52 ug/L	#J,B 47

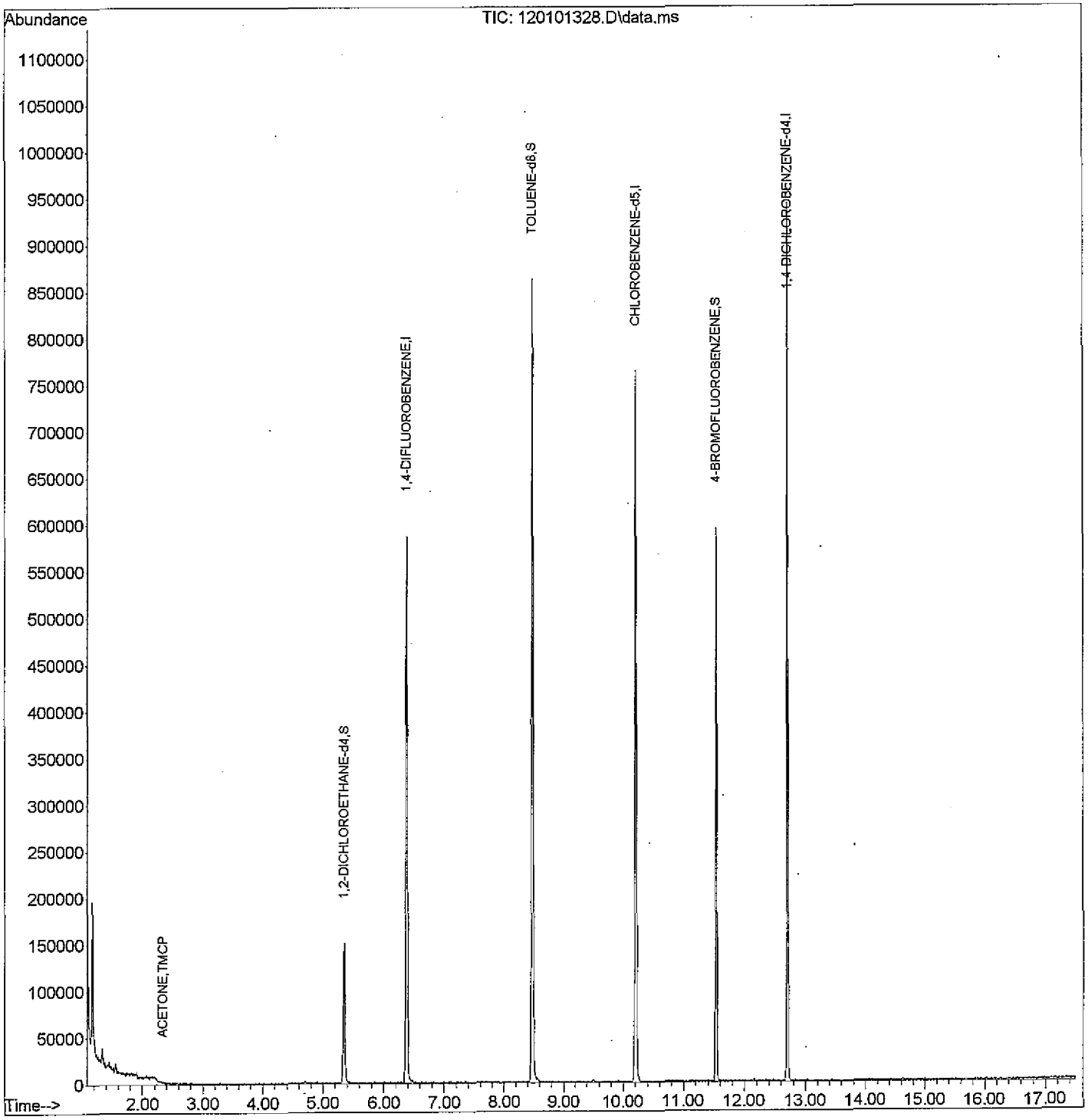
(#) = qualifier out of range (m) = manual integration (+) = signals summed

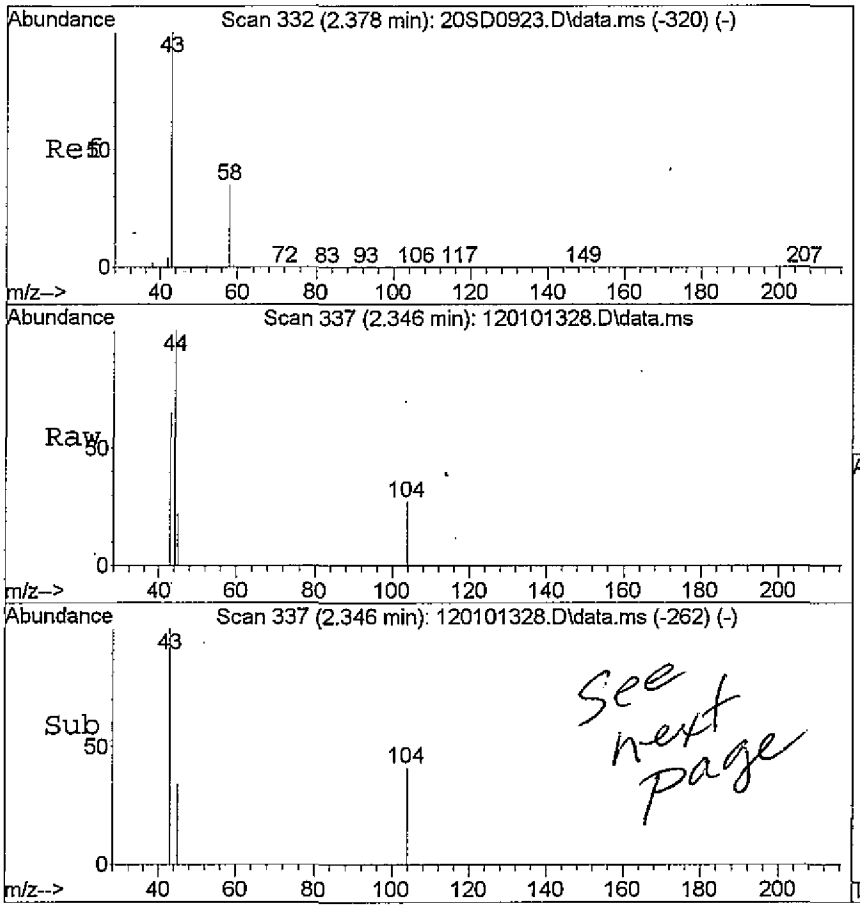
TIC

Quantitation Report (QT Reviewed)

Data Path : D:\data\01302012\
Data File : 120101328.D
Acq On : 30 Jan 2012 6:59 pm
Operator : SCW OBB-AG5975
Sample : HW08A; V
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 31 07:50:45 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration



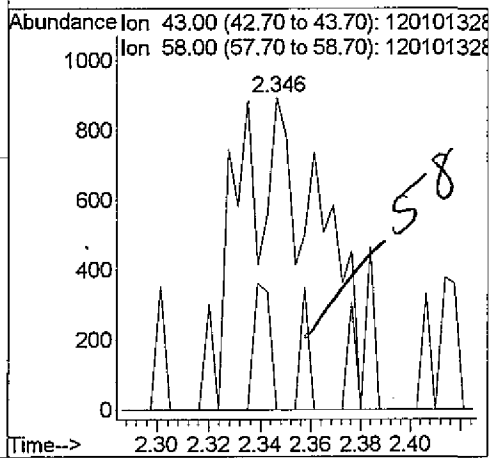


See next page

#8
ACETONE
Concen: 0.52 ug/L
RT: 2.346 min Scan# 337
Delta R.T. -0.019 min
Lab File: 120101328.D
Acq: 30 Jan 2012 6:59 pm

Tgt Ion: 43 Resp: 1999

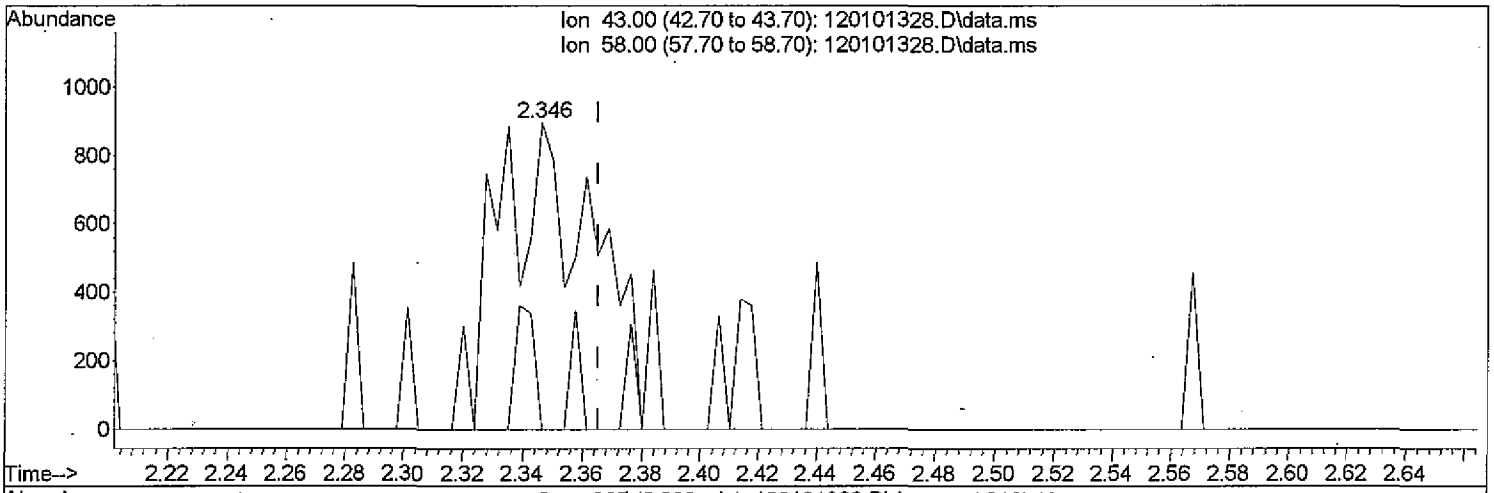
Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#

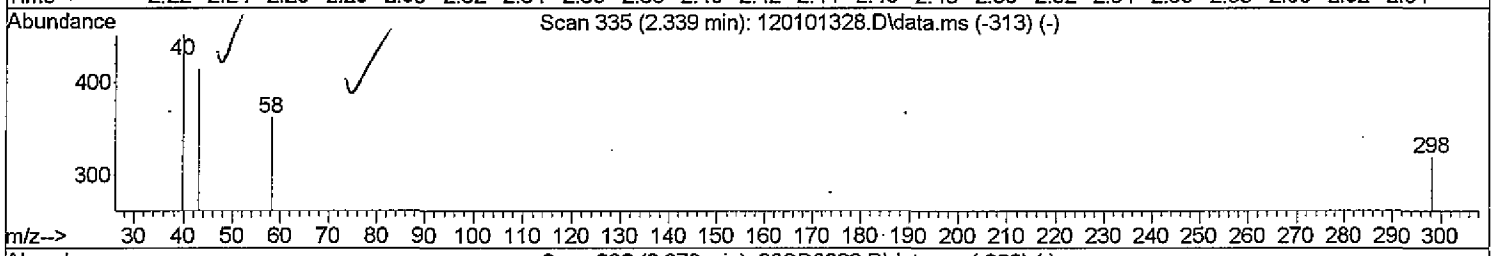


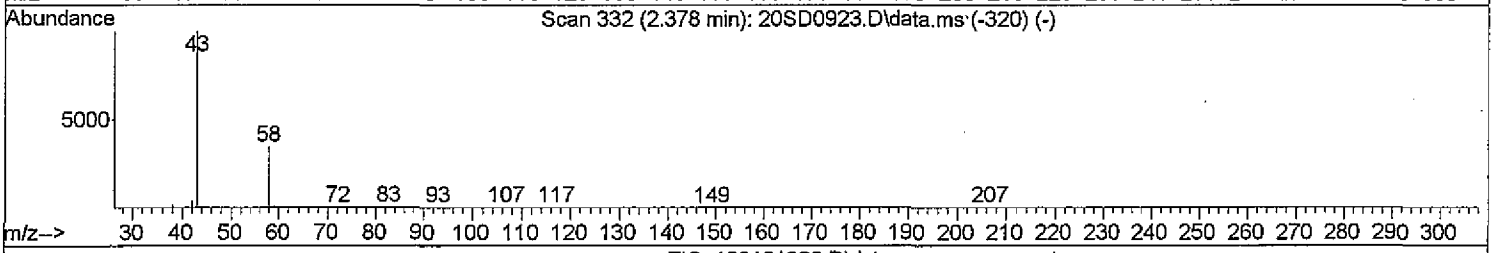
Quantitation Report (Qedit)

Data Path : D:\data\01302012\
Data File : 120101328.D
Acq On : 30 Jan 2012 6:59 pm
Operator : SCW OBB-AG5975
Sample : HW08A; V
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 31 07:50:45 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Fri Jan 27 11:08:08 2012
Response via : Initial Calibration







TIC: 120101328.D\data.ms

(8) ACETONE (TMCP)

2.346min (-0.019) 0.52ug/L

response 1999

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

LSC Area Percent Report

Data Path : D:\data\01302012\
Data File : 120101328.D
Acq On : 30 Jan 2012 6:59 pm
Operator : SCW OBB-AG5975
Sample : HW08A; V
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.169	18	23	39	rVB	165637	210438	14.05%	3.372%
2	1.334	63	67	73	rVB2	17005	18772	1.25%	0.301%
3	5.349	1123	1138	1157	rBV2	150297	292703	19.55%	4.690%
4	6.380	1401	1413	1434	rBV	586881	1048761	70.04%	16.803%
5	8.472	1958	1971	1990	rBV	862498	1497296	100.00%	23.989%
6	10.200	2419	2432	2447	rBV2	764070	1274395	85.11%	20.418%
7	11.530	2774	2787	2800	rBV	594713	781578	52.20%	12.522%
8	12.700	3088	3099	3117	rVB	943717	1117665	74.65%	17.907%

Sum of corrected areas: 6241608

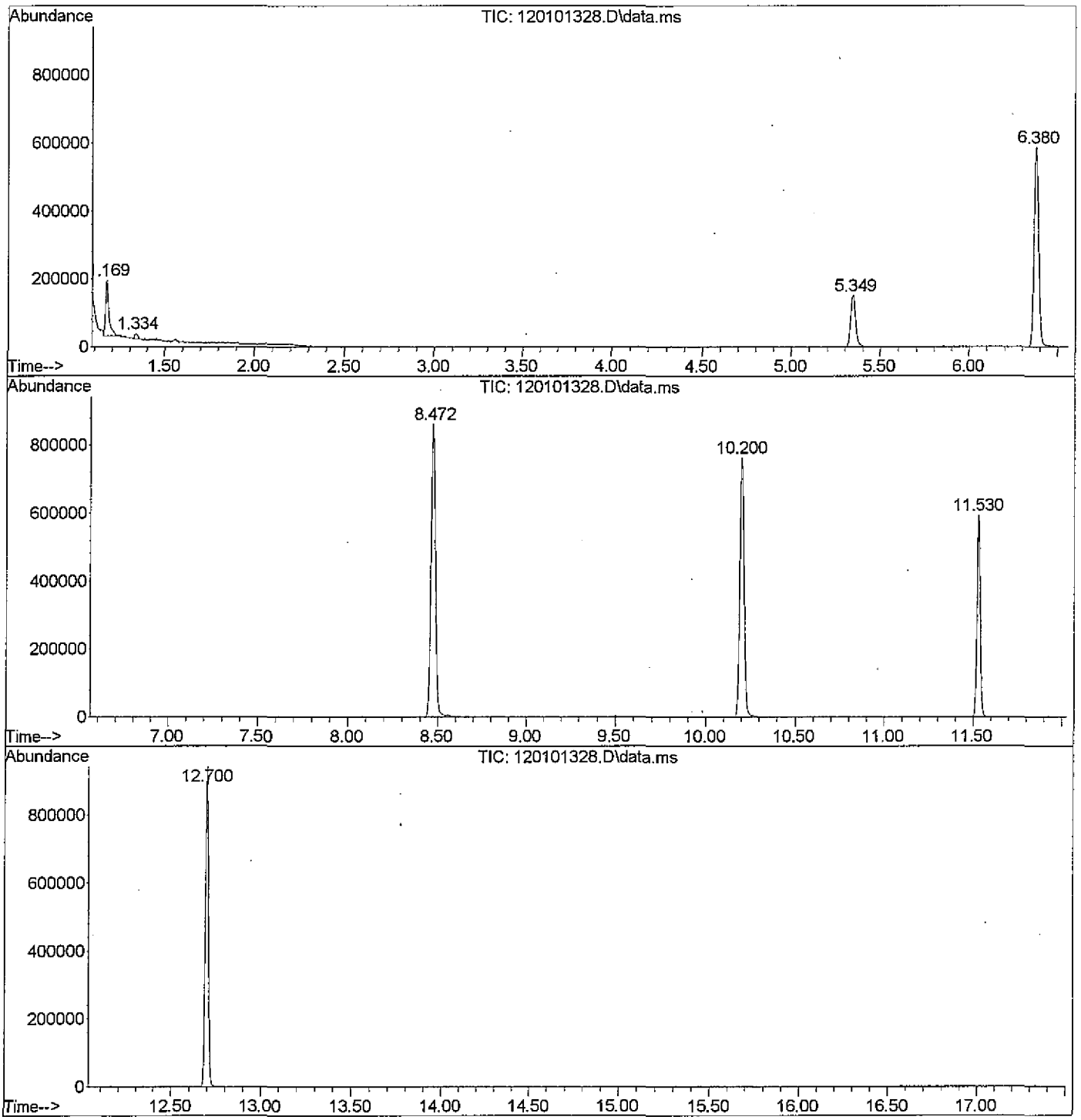
DIM0218843 DIM0219378

LSC Report - Integrated Chromatogram

Data Path : D:\data\01302012\
Data File : 120101328.D
Acq On : 30 Jan 2012 6:59 pm
Operator : SCW OBB-AG5975
Sample : HW08A; V
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01302012\
Data File : 120101328.D
Acq On : 30 Jan 2012 6:59 pm
Operator : SCW OBB-AG5975
Sample : HW08A; V
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

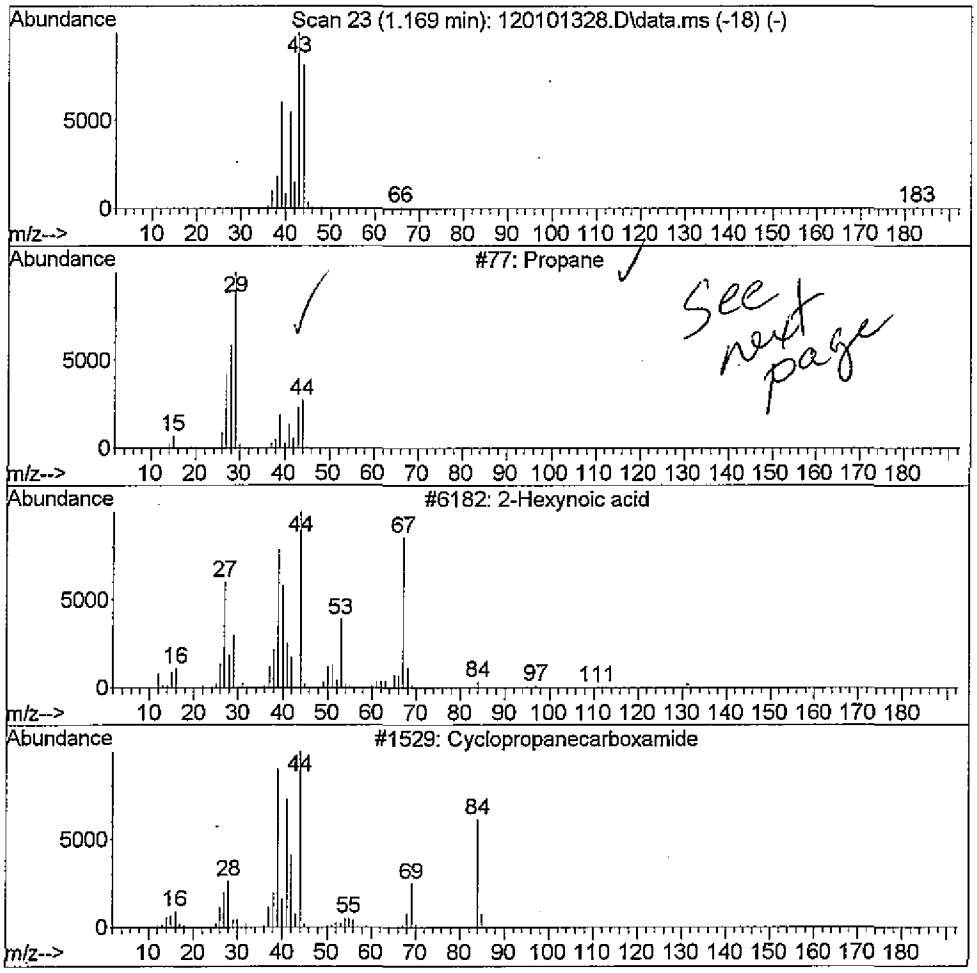
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

****

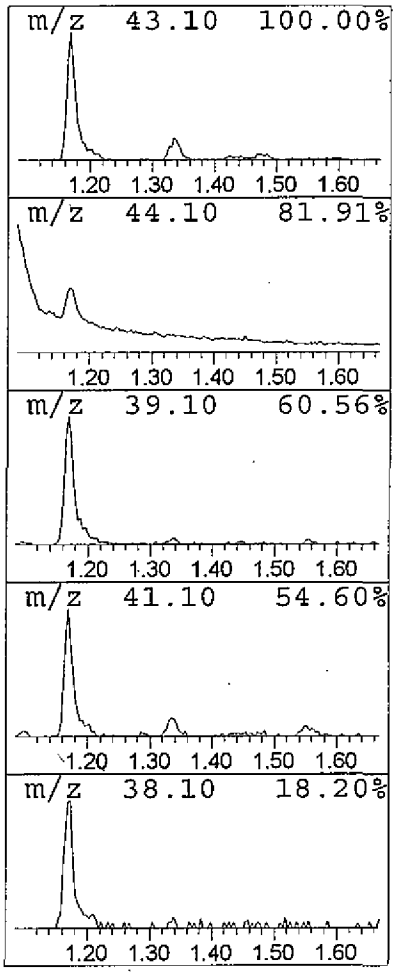
Peak Number 1 Propane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.169	0.80 ug/L	210438	1,4-DIFLUOROBENZENE	6.380

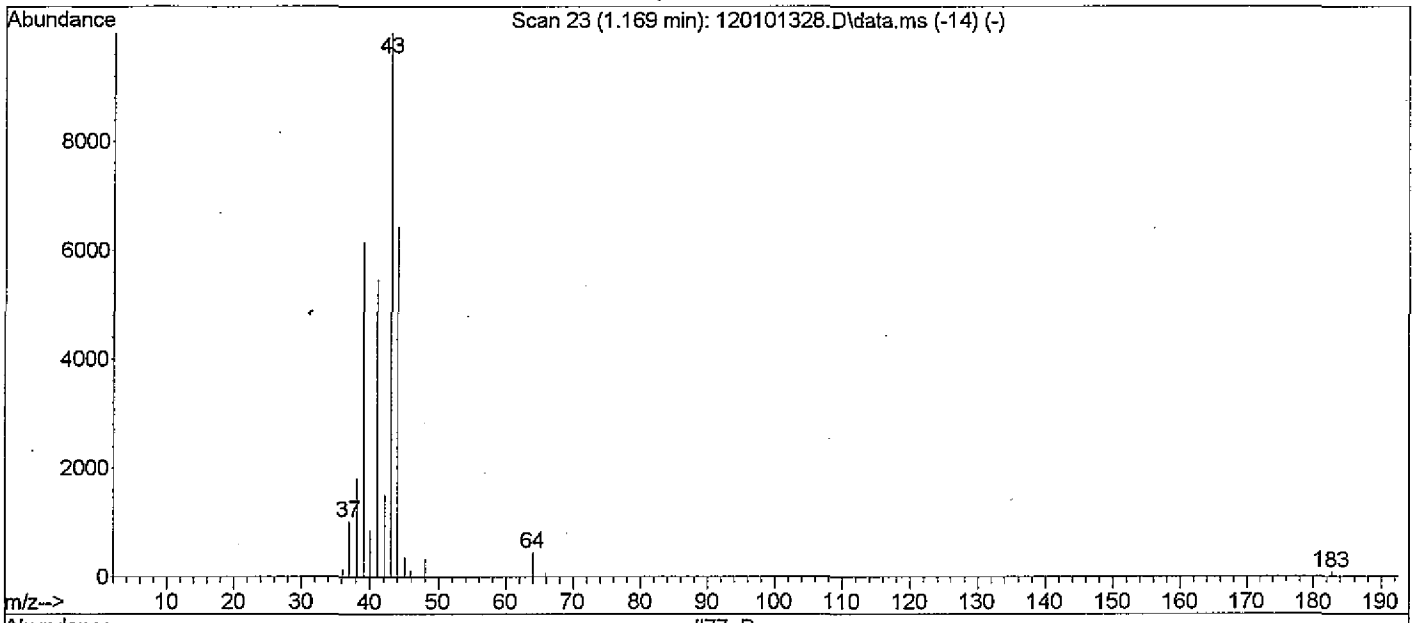
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	78
2	2-Hexynoic acid	112	C6H8O2	000764-33-0	39
3	Cyclopropanecarboxamide	85	C4H7NO	006228-73-5	39
4	2-Butenal, (E)-	70	C4H6O	000123-73-9	25
5	Acetoacetic acid, 1-thio-, S-all...	158	C7H10O2S	015780-65-1	23

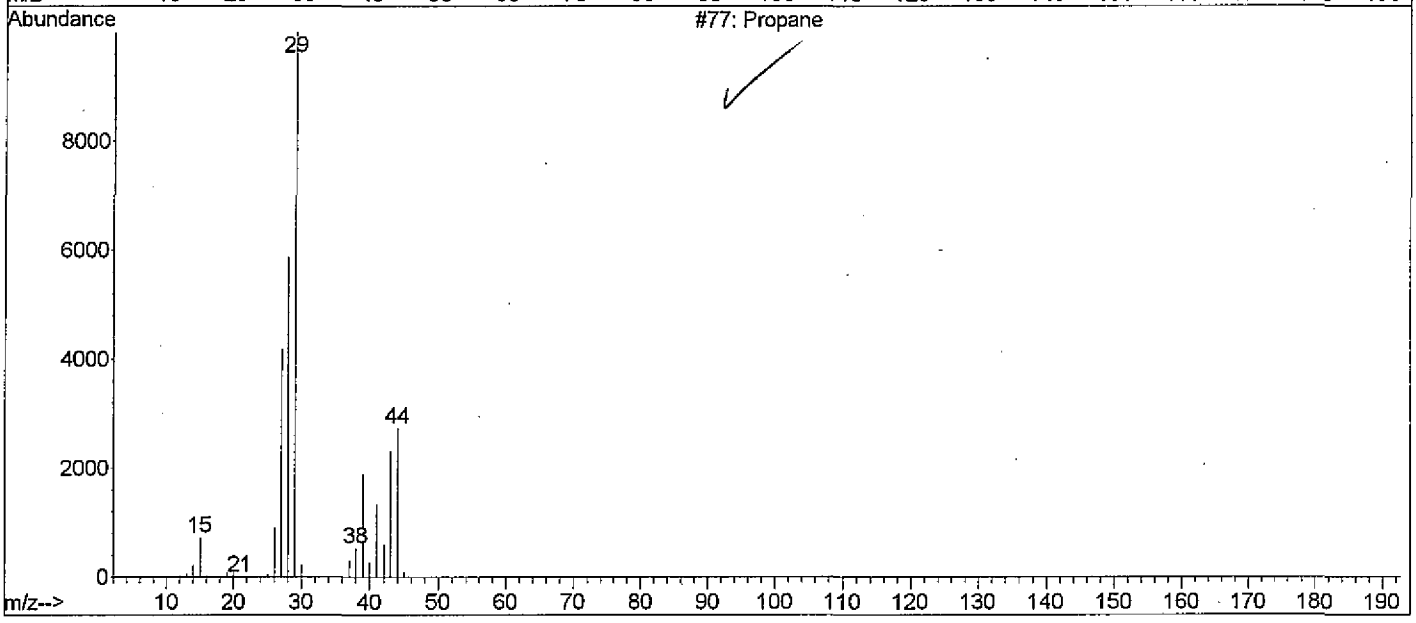


See next page



Library Searched : C:\Database\NIST05.L
Quality : 56
ID : Propane





Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01302012\
Data File : 120101328.D
Acq On : 30 Jan 2012 6:59 pm
Operator : SCW OBB-AG5975
Sample : HW08A; V
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Propane	1.169	0.8	ug/L	210438	1	6.380	1048760	4.0

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101328.D
Acq On : 31 Jan 2012 2:59 pm
Operator : SCW OBB-AG5975
Sample : HW08A;U
Misc :
ALS Vial : 1 Sample Multiplier: 1

Not reported
SCW 2-3-12 Re-analysis. Checked for carryover.
No carryover. Report this run.

Quant Time: Feb 01 09:21:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.376	114	444958	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	404534	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	168938	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.341	65	95398	4.01 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 100.25%	
42) TOLUENE-d8	8.472	98	540497	3.72 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 93.00%	
60) 4-BROMOFLUOROBENZENE	11.530	95	153365	3.77 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 94.25%	
Target Compounds					Qvalue
8) ACETONE	2.335	43	3154	0.83 ug/L	#JB 47

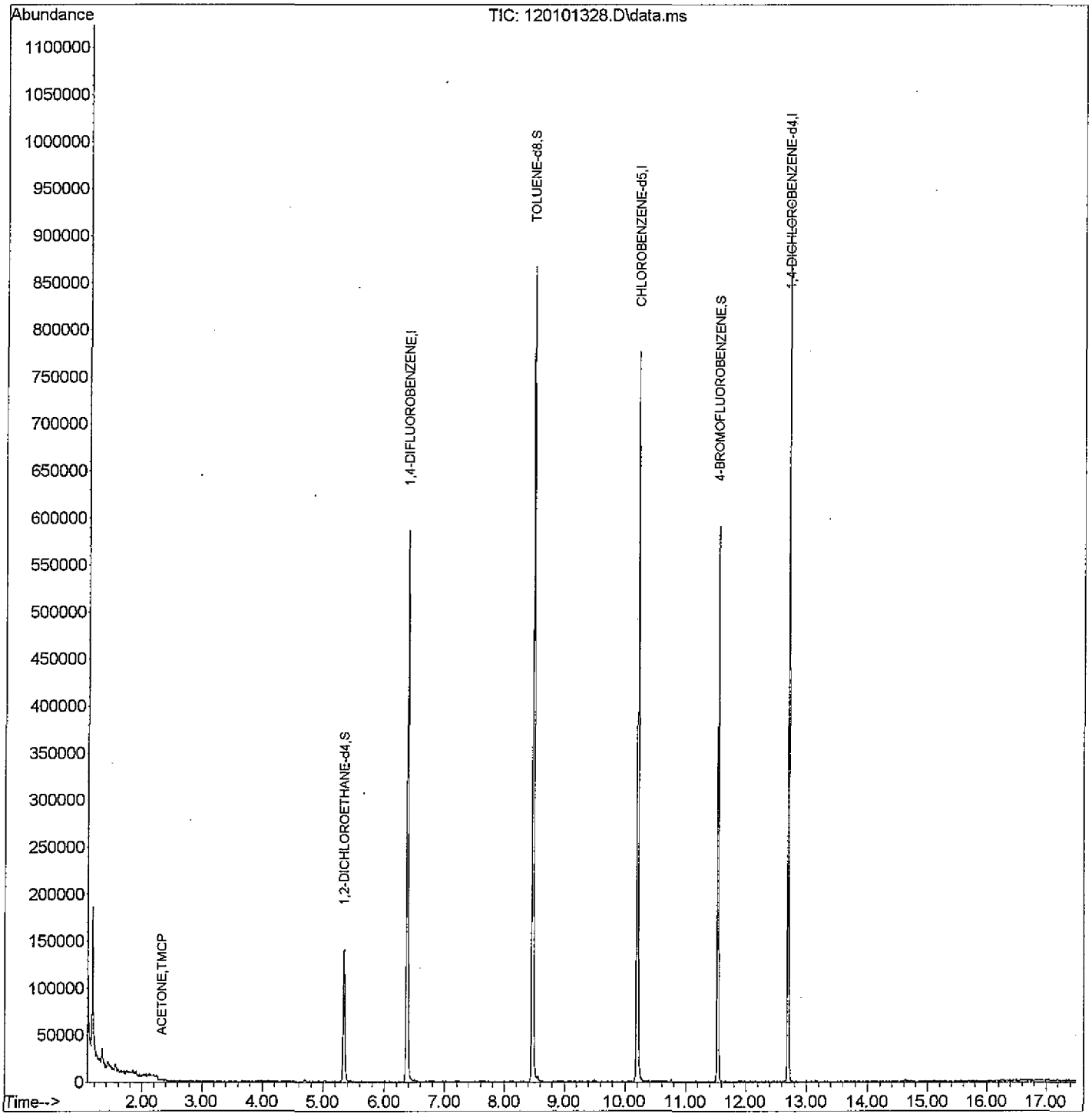
(#) = qualifier out of range (m) = manual integration (+) = signals summed

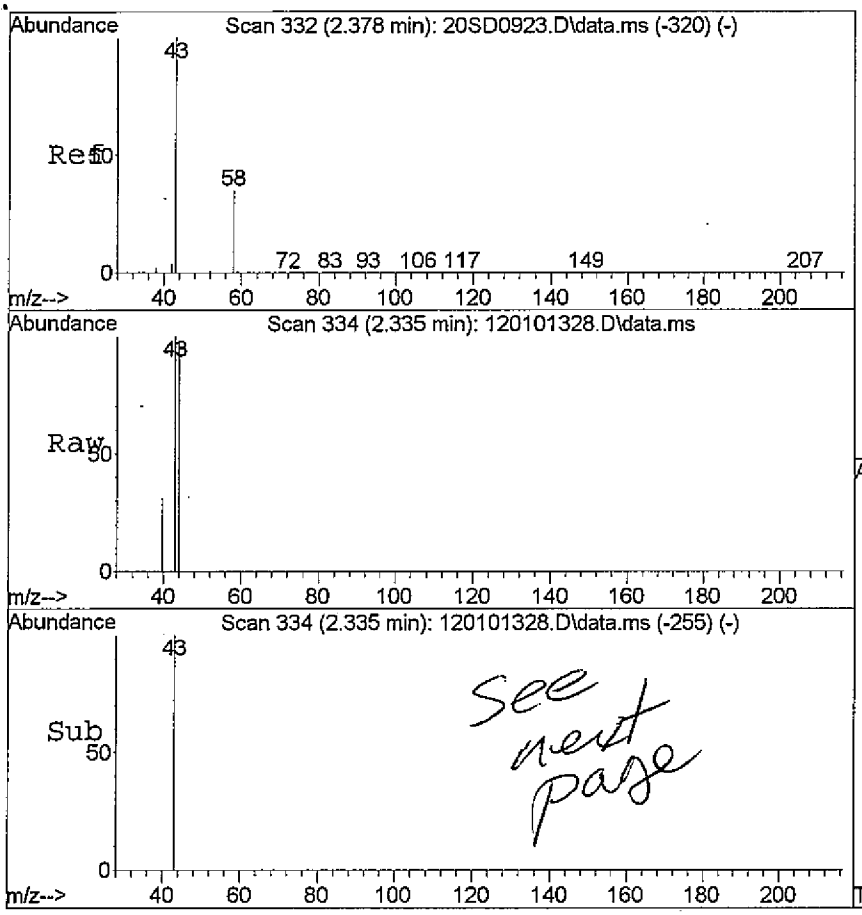
T/C

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101328.D
Acq On : 31 Jan 2012 2:59 pm
Operator : SCW OBB-AG5975
Sample : HW08A;U
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 09:21:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



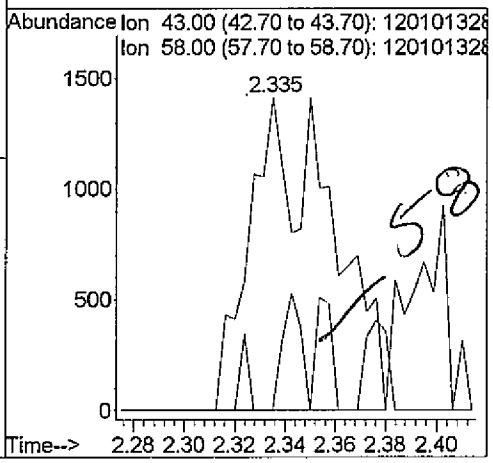


See next page

#8
ACETONE
Concen: 0.83 ug/L
RT: 2.335 min Scan# 334
Delta R.T. -0.004 min
Lab File: 120101328.D
Acq: 31 Jan 2012 2:59 pm

Tgt Ion: 43 Resp: 3154

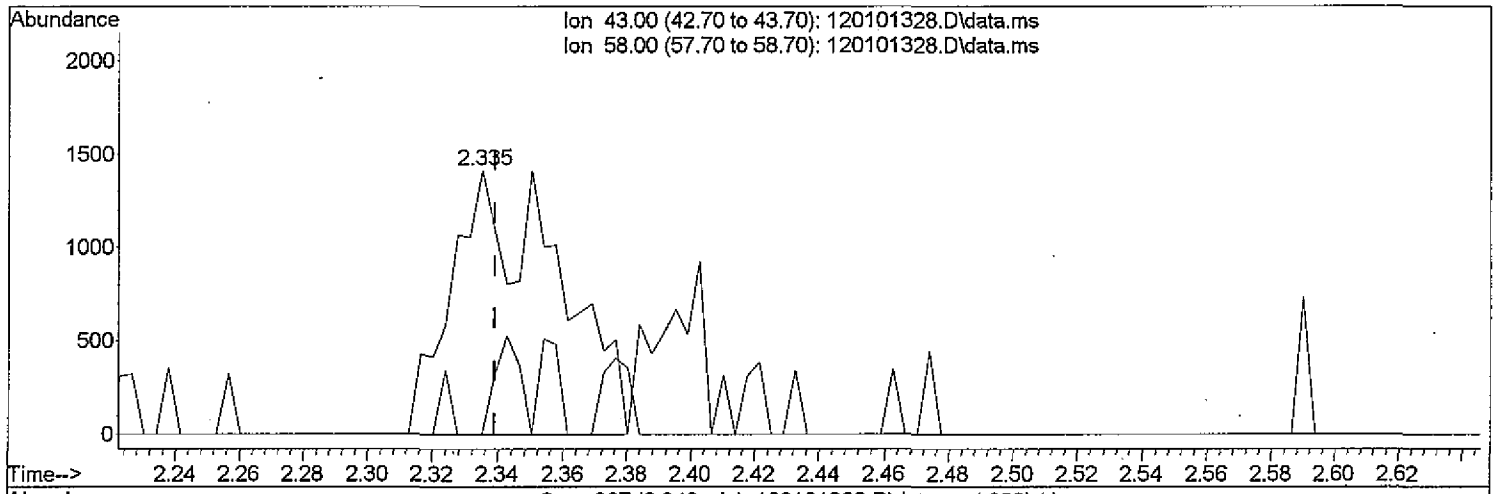
Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#

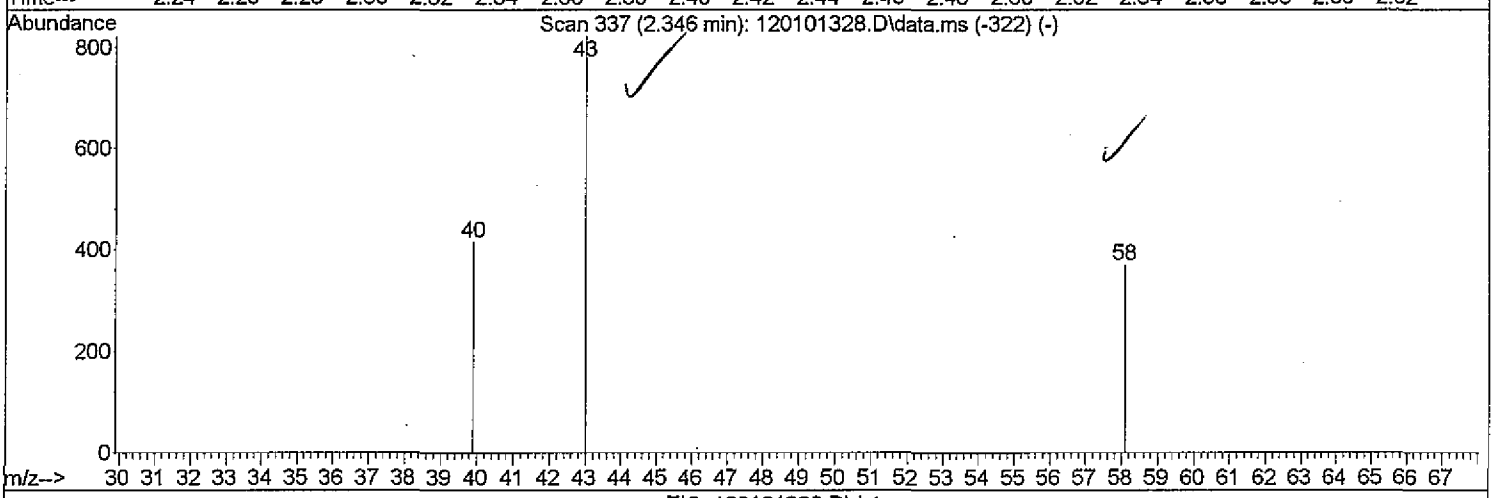


Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101328.D
Acq On : 31 Jan 2012 2:59 pm
Operator : SCW OBB-AG5975
Sample : HW08A;U
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 09:21:25 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration





TIC: 120101328.D\data.ms

(8) ACETONE (TMCP)

2.335min (-0.004) 0.83ug/L

response 3154

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

LSC Area Percent Report

Data Path : D:\data\01312012\
Data File : 120101328.D
Acq On : 31 Jan 2012 2:59 pm
Operator : SCW OBB-AG5975
Sample : HW08A;U
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.169	17	23	36	rVB	158746	201773	13.66%	3.277%
2	1.330	61	66	75	rVB4	16280	20437	1.38%	0.332%
3	5.341	1122	1136	1149	rBV3	141307	272617	18.45%	4.428%
4	6.376	1400	1412	1432	rBV2	586670	1040618	70.44%	16.902%
5	8.472	1957	1971	1989	rBV	867081	1477246	100.00%	23.994%
6	10.200	2418	2432	2454	rVB	776533	1253144	84.83%	20.354%
7	11.530	2777	2787	2802	rBV	591380	776493	52.56%	12.612%
8	12.700	3090	3099	3114	rVB	935736	1114463	75.44%	18.101%

Sum of corrected areas: 6156791

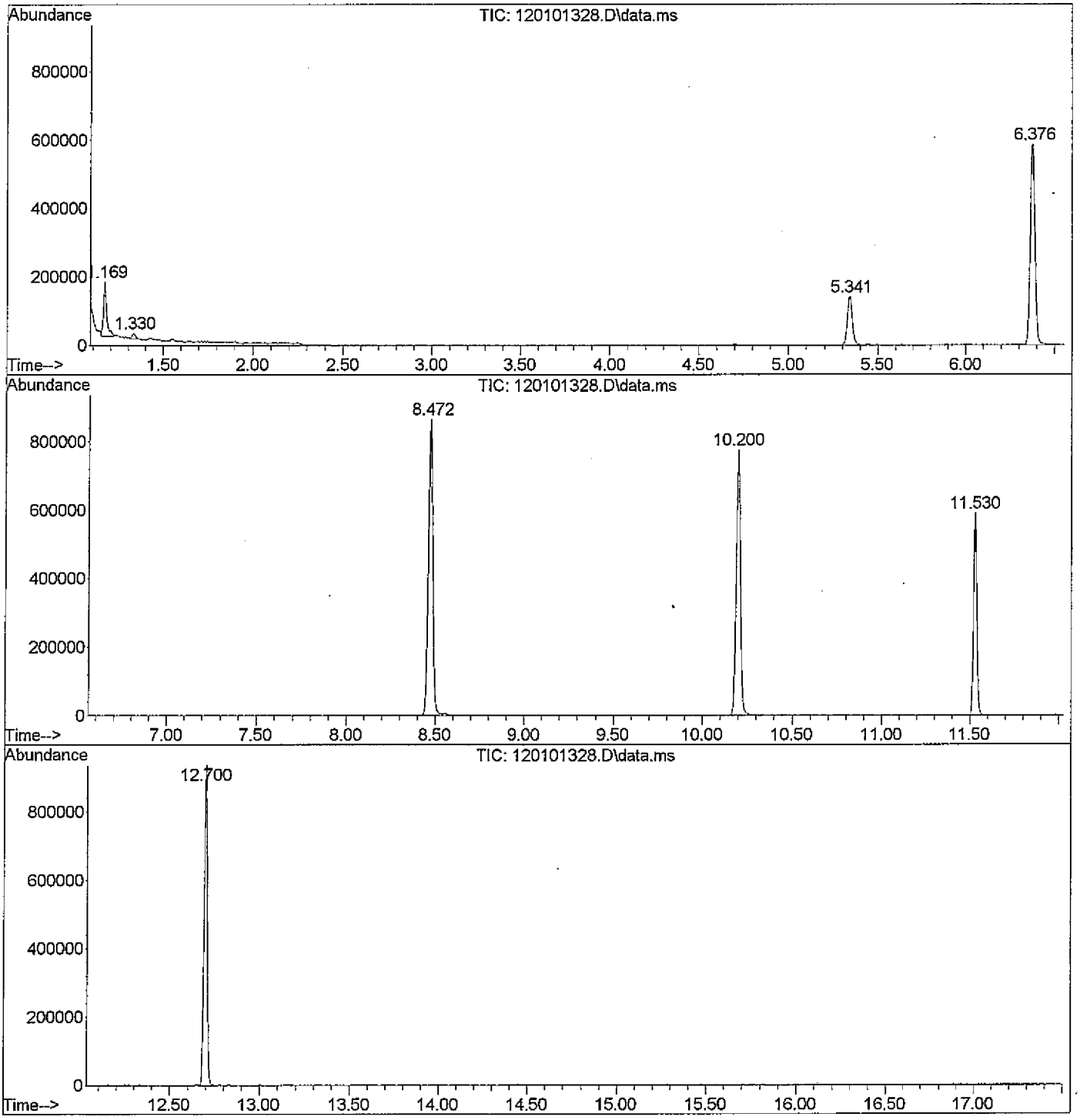
DIM0218843 DIM0219387

LSC Report - Integrated Chromatogram

Data Path : D:\data\01312012\
Data File : 120101328.D
Acq On : 31 Jan 2012 2:59 pm
Operator : SCW OBB-AG5975
Sample : HW08A;U
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01312012\
Data File : 120101328.D
Acq On : 31 Jan 2012 2:59 pm
Operator : SCW OBB-AG5975
Sample : HW08A;U
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

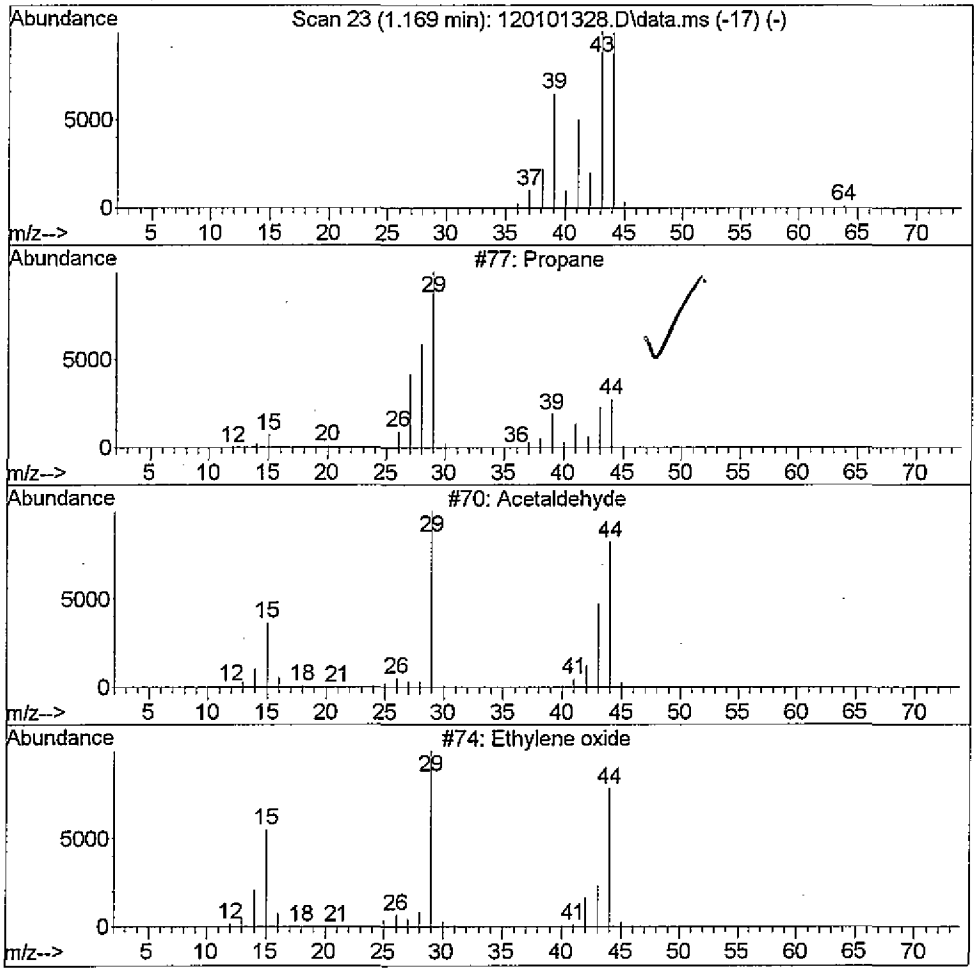
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

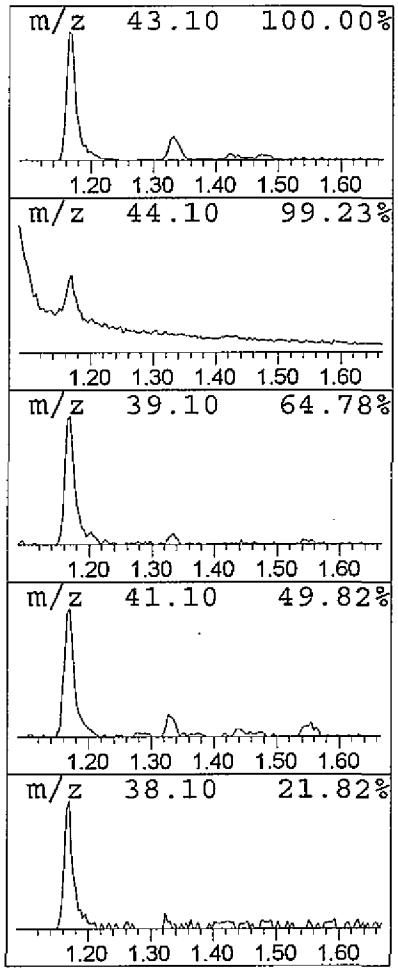
****

Peak Number 1 Propane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.169	0.78 ug/L	201773	1,4-DIFLUOROBENZENE	6.376

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	90
2	Acetaldehyde	44	C2H4O	000075-07-0	5
3	Ethylene oxide	44	C2H4O	000075-21-8	5
4	Ethyne, fluoro-	44	C2HF	002713-09-9	3
5	1-Propanol, 2-amino-	75	C3H9NO	000078-91-1	2





Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01312012\
Data File : 120101328.D
Acq On : 31 Jan 2012 2:59 pm
Operator : SCW OBB-AG5975
Sample : HW08A;U
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

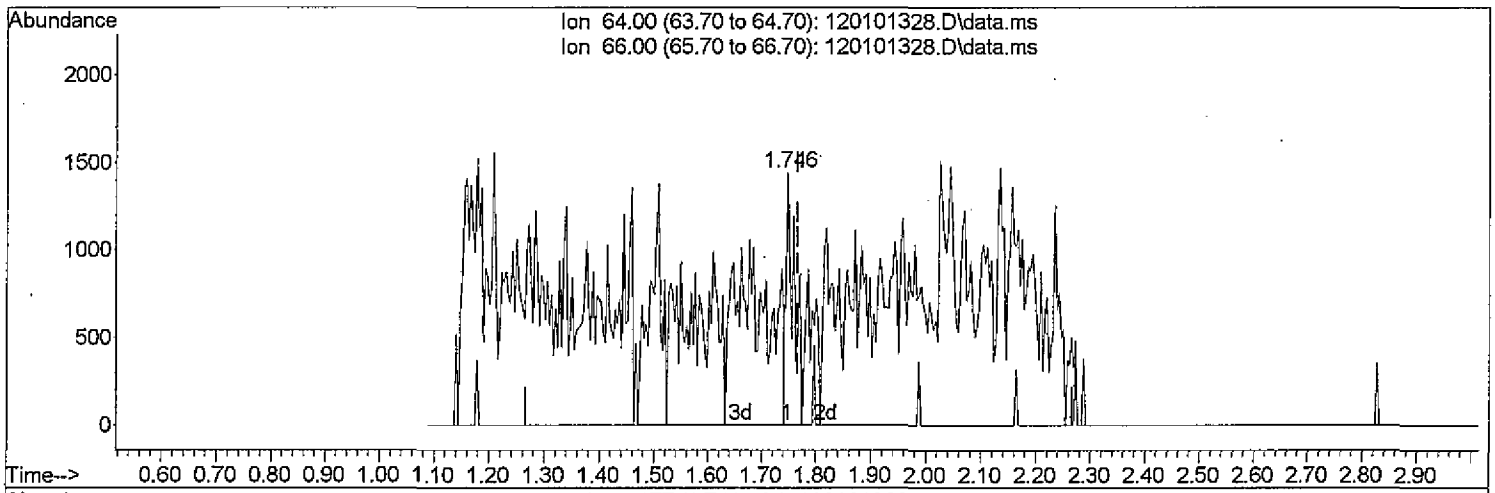
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

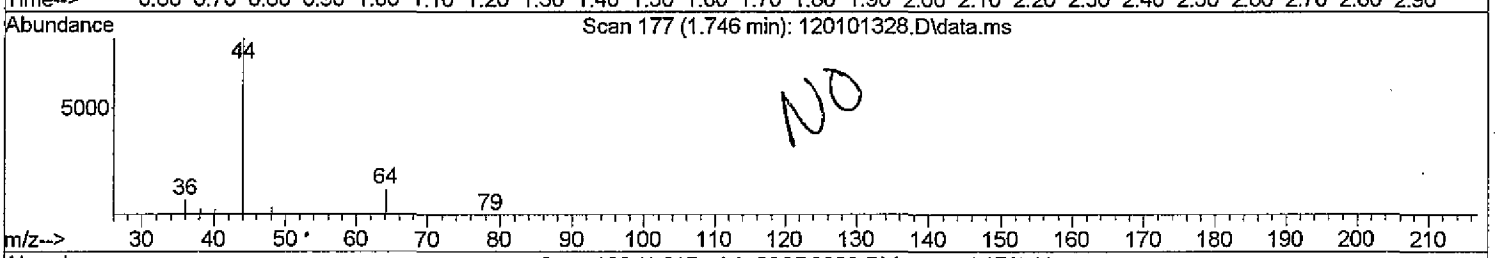
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Propane	1.169	0.8	ug/L	201773	1	6.376	1040620	4.0

Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101328.D
Acq On : 31 Jan 2012 2:59 pm
Operator : SCW OBB-AG5975
Sample : HW08A;U
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 09:14:37 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration





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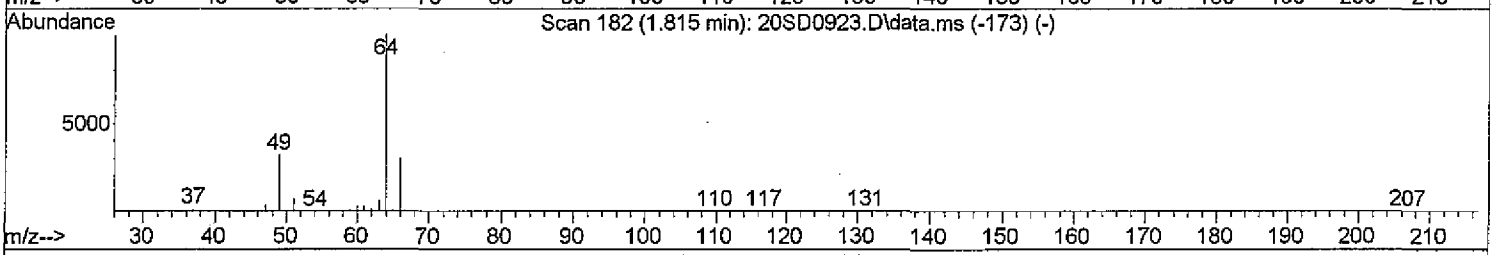


TIC: 120101328.D\data.ms

(6) CHLOROETHANE (TMCP)

1.746min (-0.019) 0.05ug/L

response 1464

Ion	Exp%	Act%
64.00	100	100
66.00	31.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101329.D
Acq On : 31 Jan 2012 3:29 pm
Operator : SCW OBB-AG5975
Sample : FB04; M
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 09:24:02 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	448791	4.00	ug/L	0.00
38) CHLOROBENZENE-d5	10.203	117	416457	4.00	ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	174517	4.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-DICHLOROETHANE-d4	5.345	65	104388	4.35	ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 108.75%			
42) TOLUENE-d8	8.475	98	546650	3.65	ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 91.25%			
60) 4-BROMOFLUOROBENZENE	11.531	95	161110	3.84	ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 96.00%			

Target Compounds						Qvalue
8) ACETONE	2.346	43	4847	1.26	ug/L # J	47
11) METHYLENE CHLORIDE	2.815	84	47028	2.05	ug/L #	77
22) CHLOROFORM	4.704	83	135763	0.03	ug/L	98
25) 1,2-DICHLOROETHANE	5.439	62	2135m	0.10	ug/L J	
34) BROMODICHLOROMETHANE	6.818	83	3767	0.15	ug/L # J	91
43) TOLUENE	8.554	92	40197	0.48	ug/L J	93
76) NAPHTHALENE	14.623	128	8276	0.23	ug/L J	96

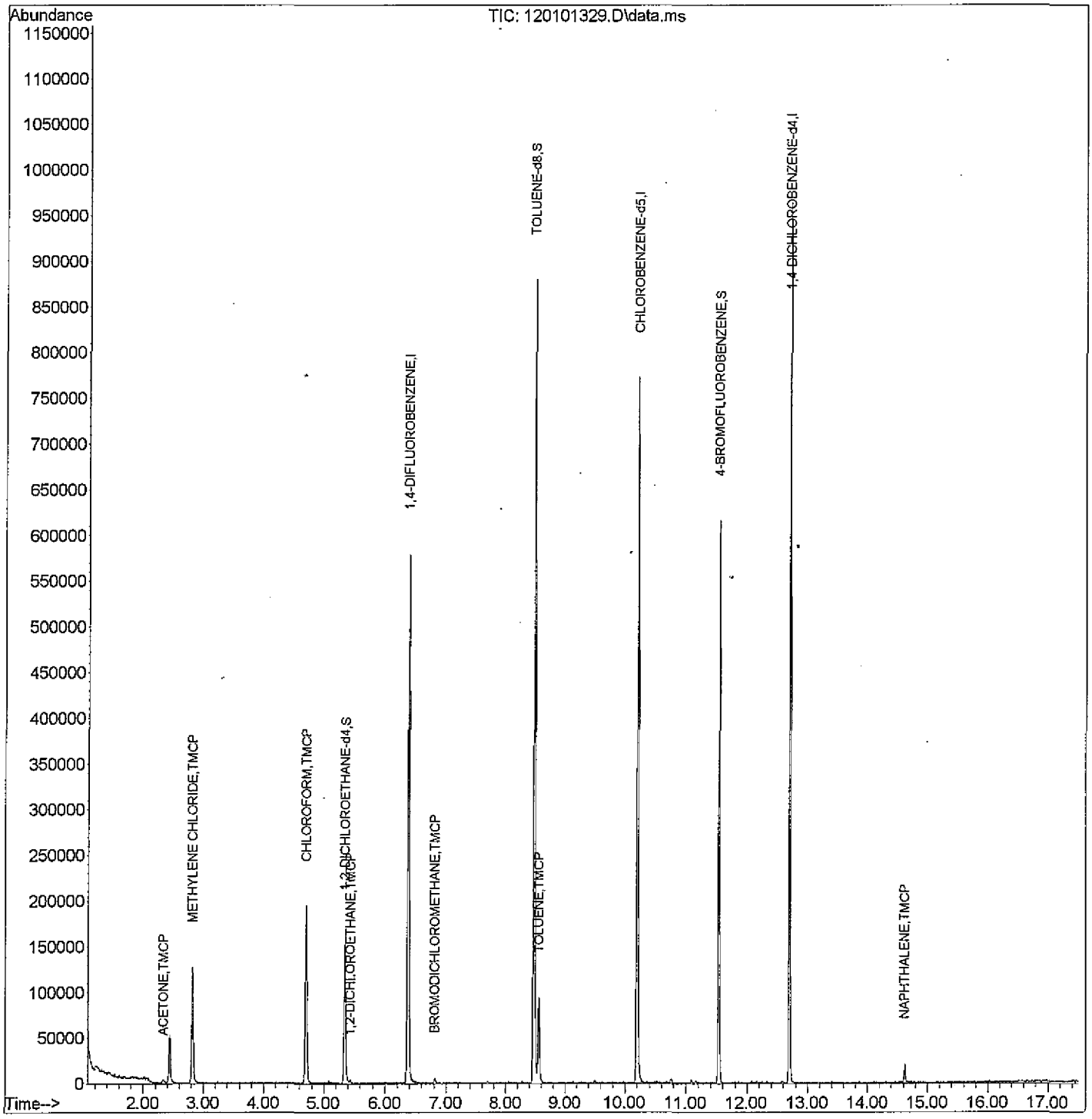
(#) = qualifier out of range (m) = manual integration (+) = signals summed

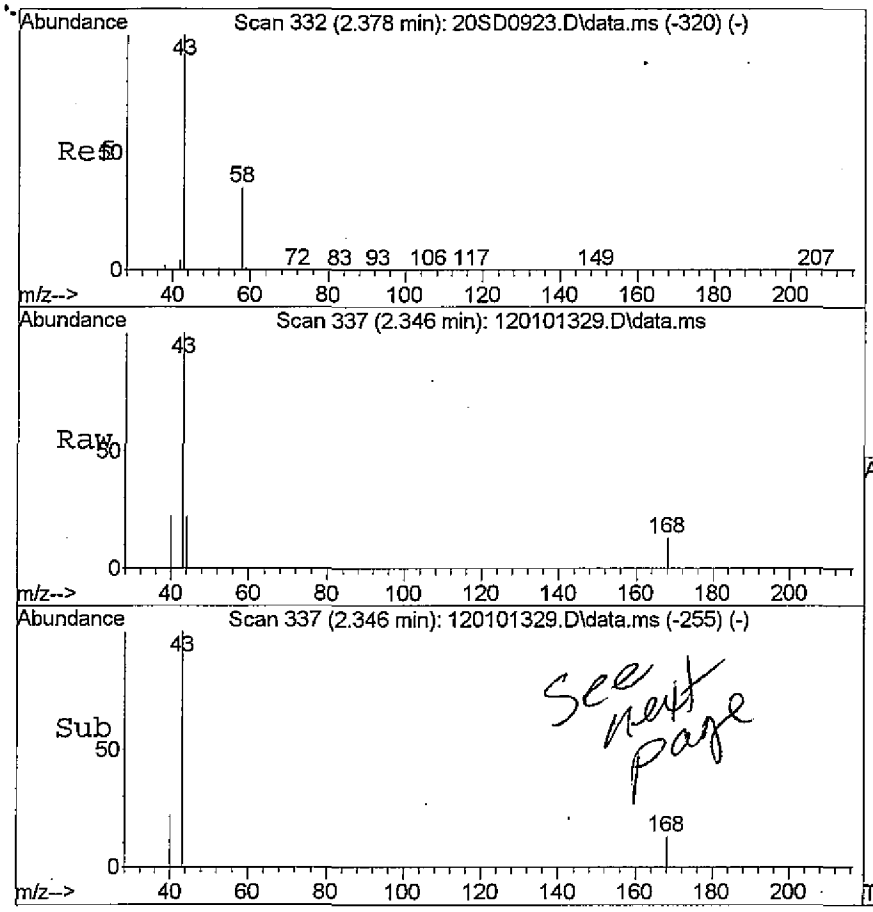
NOTICS

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101329.D
Acq On : 31 Jan 2012 3:29 pm
Operator : SCW OBB-AG5975
Sample : FB04; M
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 09:24:02 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



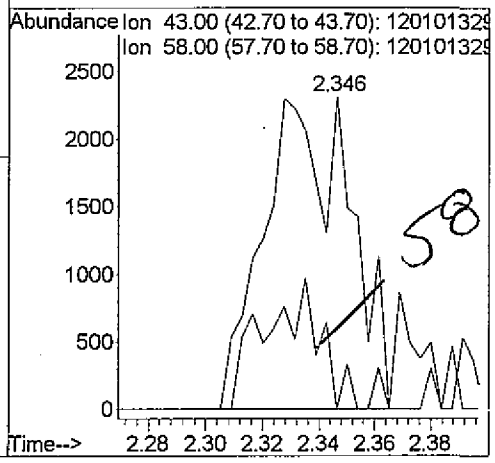


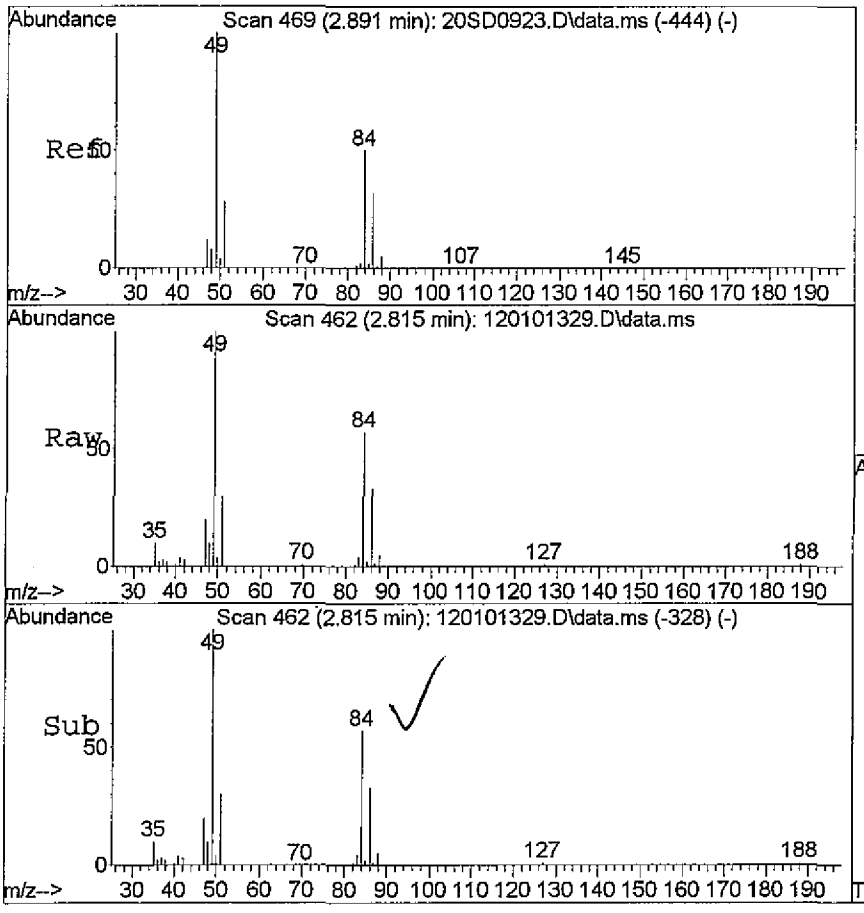
See next page

#8
ACETONE
Concen: 1.26 ug/L
RT: 2.346 min Scan# 337
Delta R.T. 0.007 min
Lab File: 120101329.D
Acq: 31 Jan 2012 3:29 pm

Tgt Ion: 43 Resp: 4847

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#

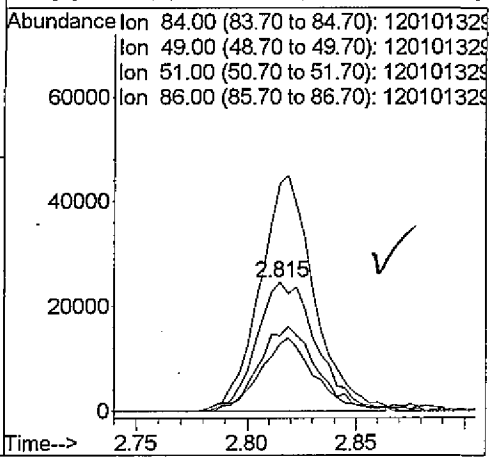




#11
METHYLENE CHLORIDE
Concen: 2.05 ug/L
RT: 2.815 min Scan# 462
Delta R.T. 0.004 min
Lab File: 120101329.D
Acq: 31 Jan 2012 3:29 pm

Tgt Ion: 84 Resp: 47028

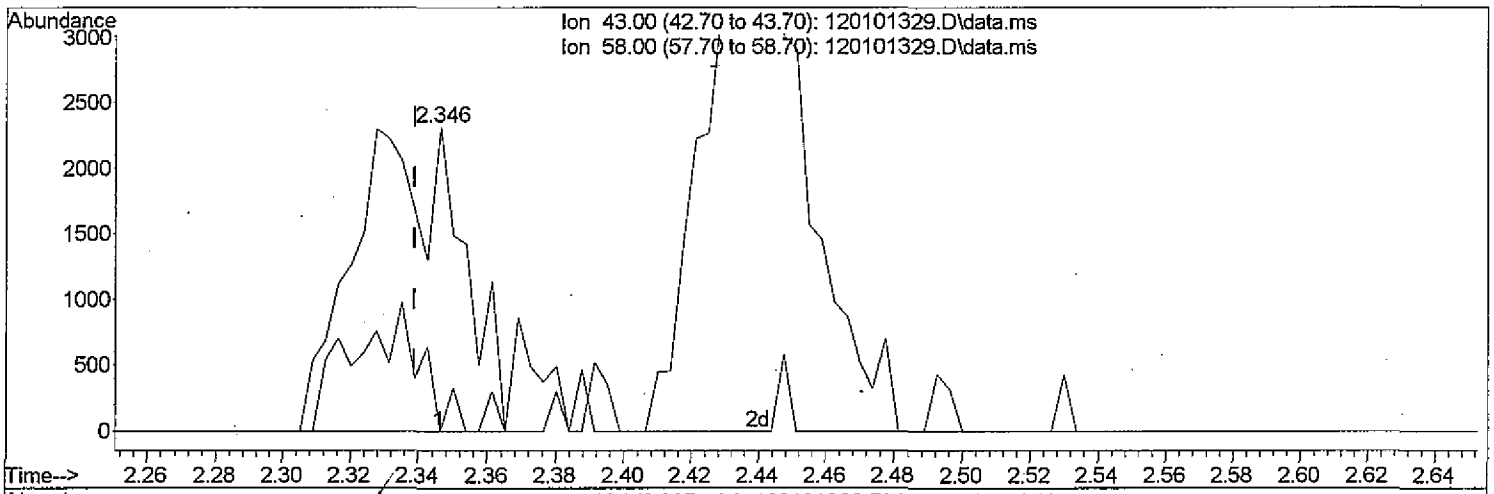
Ion	Ratio	Lower	Upper
84	100		
49	165.4	102.1	153.1#
51	51.5	31.0	46.6#
86	63.4	49.2	73.8

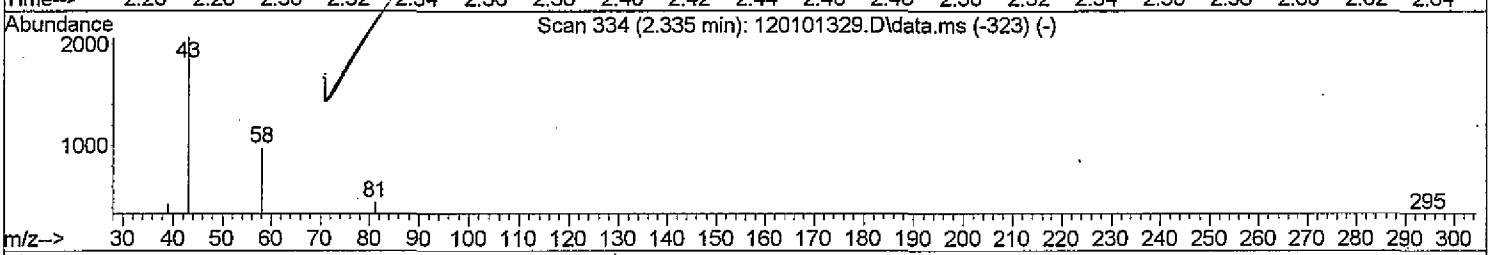


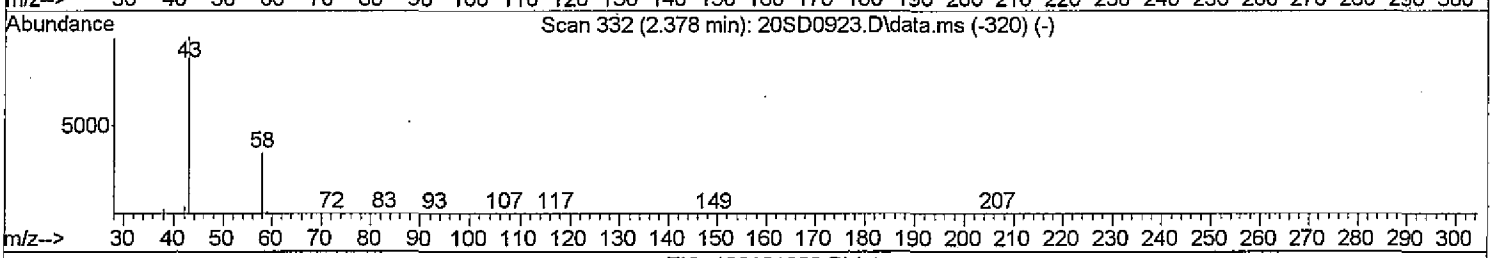
Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101329.D
Acq On : 31 Jan 2012 3:29 pm
Operator : SCW OBB-AG5975
Sample : FB04; M
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 09:24:02 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration







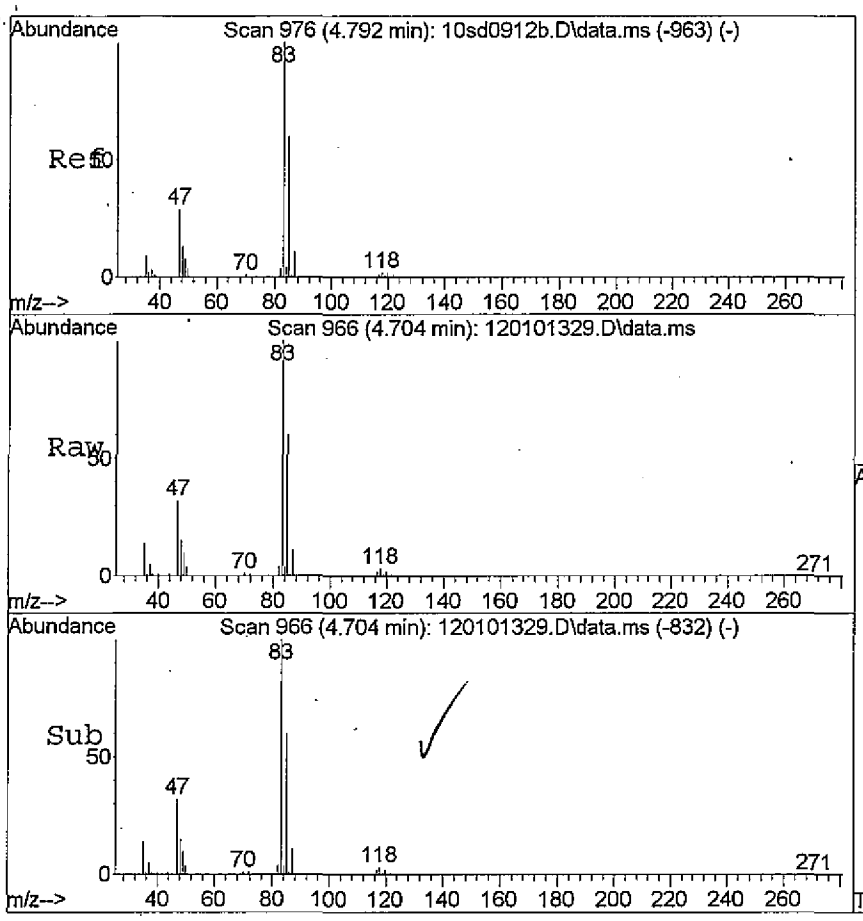
TIC: 120101329.D\data.ms

(8) ACETONE (TMCP)

2.346min (+0.007) 1.26ug/L

response 4847

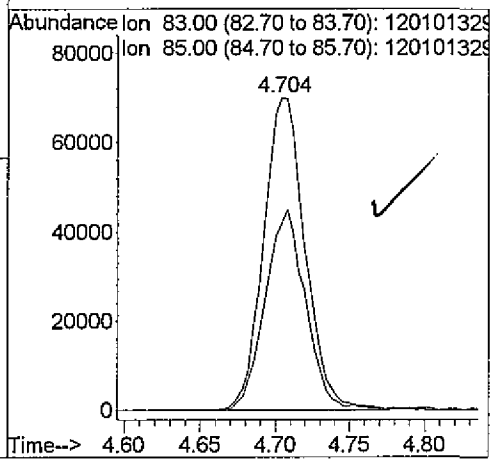
Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

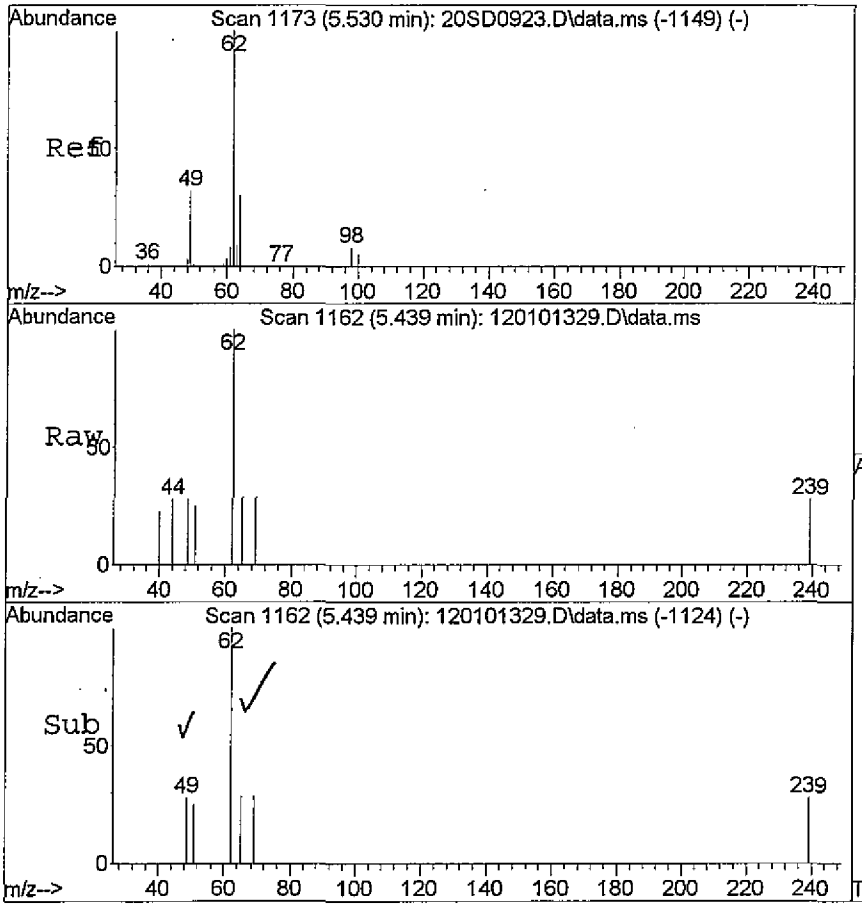


#22
CHLOROFORM
Concen: 3.03 ug/L
RT: 4.704 min Scan# 966
Delta R.T. 0.004 min
Lab File: 120101329.D
Acq: 31 Jan 2012 3:29 pm

Tgt Ion: 83 Resp: 135763

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.3	76.9

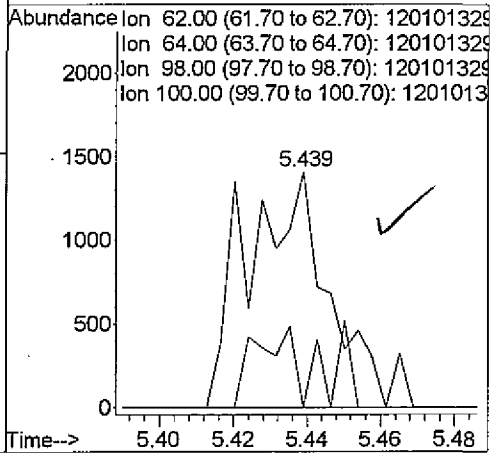


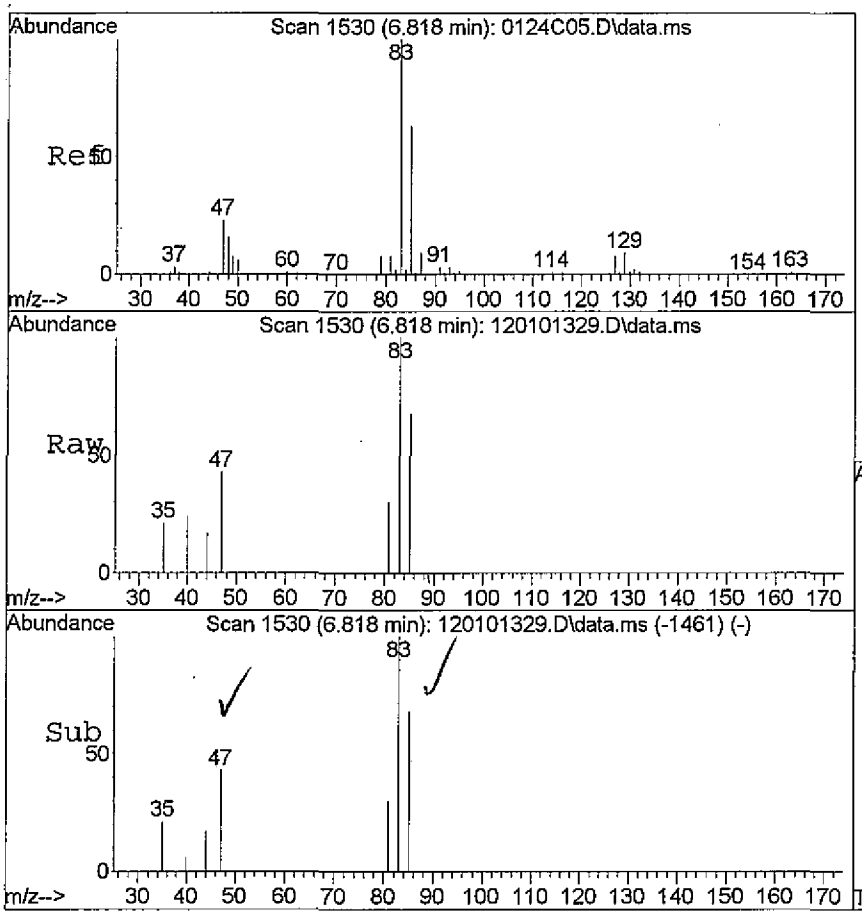


#25
1,2-DICHLOROETHANE
Concen: 0.10 ug/L m
RT: 5.439 min Scan# 1162
Delta R.T. 0.011 min
Lab File: 120101329.D
Acq: 31 Jan 2012 3:29 pm

Tgt Ion: 62 Resp: 2135

Ion	Ratio	Lower	Upper
62	100		
64	0.0	25.4	38.2#
98	0.0	6.1	9.1#
100	0.0	3.8	5.8#

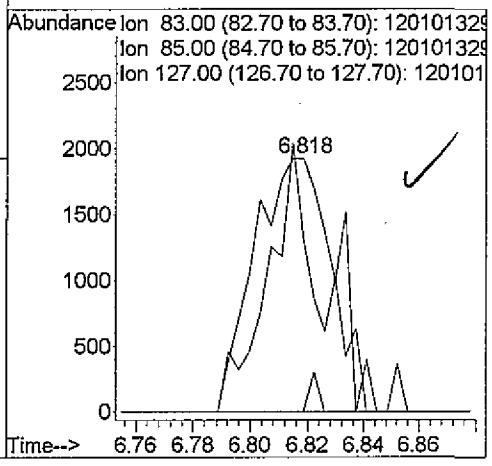


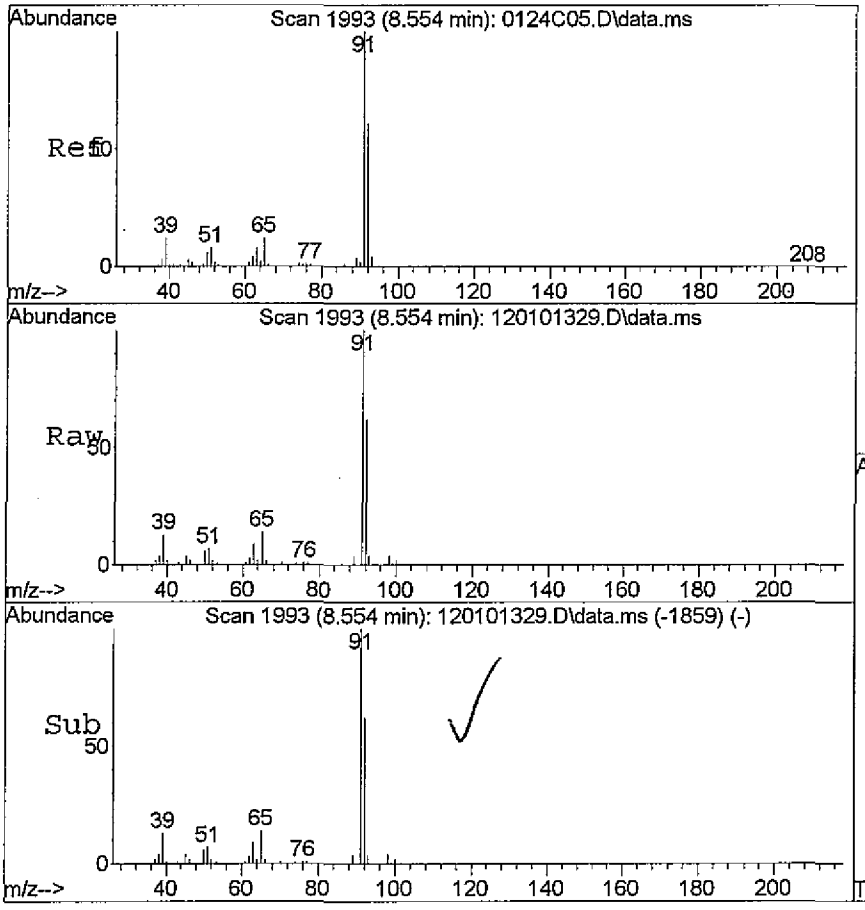


#34
BROMODICHLOROMETHANE
Concen: 0.15 ug/L
RT: 6.818 min Scan# 1530
Delta R.T. 0.007 min
Lab File: 120101329.D
Acq: 31 Jan 2012 3:29 pm

Tgt Ion: 83 Resp: 3767

Ion	Ratio	Lower	Upper
83	100		
85	67.5	50.1	75.1
127	0.0	7.0	10.6#

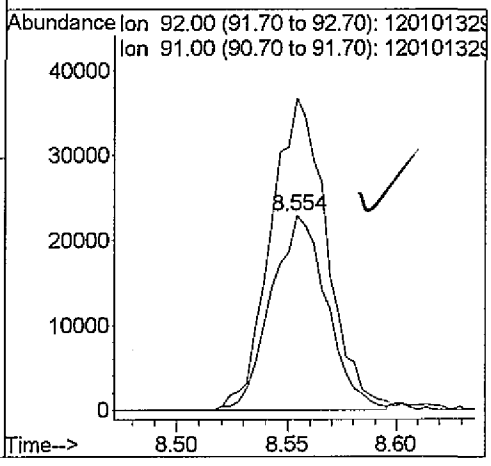


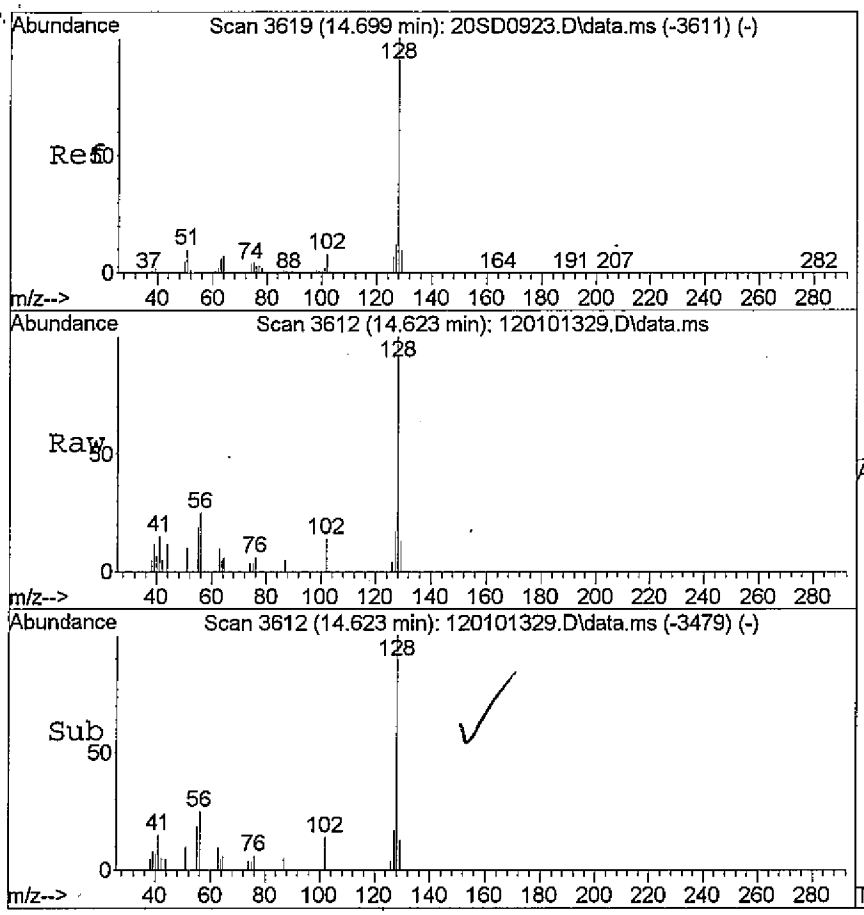


#43
TOLUENE
Concen: 0.48 ug/L
RT: 8.554 min Scan# 1993
Delta R.T. 0.004 min
Lab File: 120101329.D
Acq: 31 Jan 2012 3:29 pm

Tgt Ion: 92 Resp: 40197

Ion	Ratio	Lower	Upper
92	100		
91	163.9	139.3	208.9

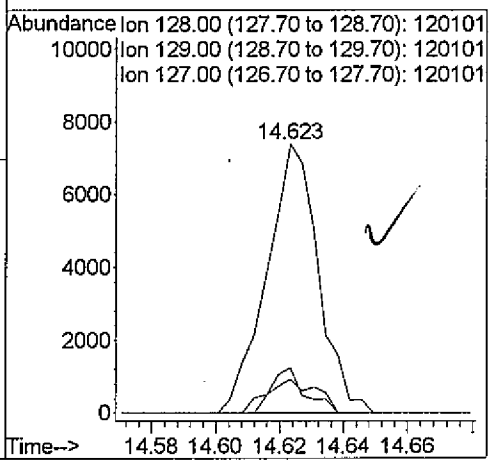




#76
NAPHTHALENE
Concen: 0.23 ug/L
RT: 14.623 min Scan# 3612
Delta R.T. -0.000 min
Lab File: 120101329.D
Acq: 31 Jan 2012 3:29 pm

Tgt Ion:128 Resp: 8276

Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.7	13.1
127	10.9	10.2	15.2



LSC Area Percent Report

Data Path : D:\data\01312012\
Data File : 120101329.D
Acq On : 31 Jan 2012 3:29 pm
Operator : SCW OBB-AG5975
Sample : FB04; M
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.436	352	361	375	rVB2	52257	92455	6.19%	1.322%
2	2.815	450	462	481	rBV2	126625	228928	15.33%	3.274%
3	4.708	954	967	985	rVB	194889	365243	24.46%	5.224%
4	5.345	1126	1137	1156	rBV3	162753	304208	20.37%	4.351%
5	6.380	1398	1413	1428	rBV	578962	1039464	69.60%	14.867%
6	8.472	1959	1971	1986	rBV	879555	1493441	100.00%	21.360%
7	8.554	1986	1993	2011	rVB	93586	176512	11.82%	2.525%
8	10.200	2416	2432	2457	rBV2	772466	1307450	87.55%	18.700%
9	11.531	2775	2787	2800	rBV2	616074	811058	54.31%	11.600%
10	12.700	3090	3099	3112	rBV	964663	1144827	76.66%	16.374%
11	14.623	3603	3612	3619	rBV4	21093	28281	1.89%	0.404%

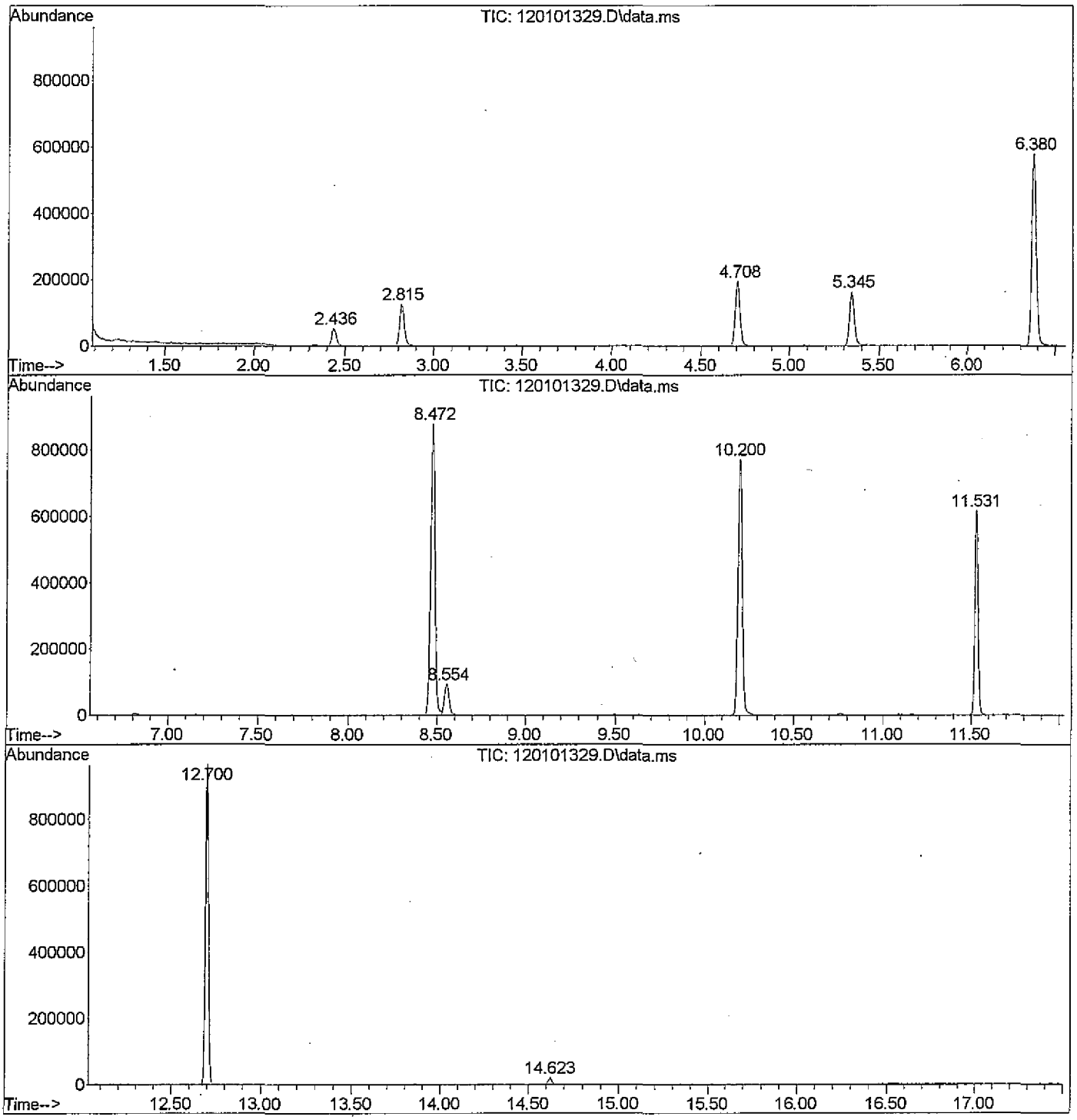
Sum of corrected areas: 6991867

LSC Report - Integrated Chromatogram

Data Path : D:\data\01312012\
Data File : 120101329.D
Acq On : 31 Jan 2012 3:29 pm
Operator : SCW OBB-AG5975
Sample : FB04; M
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01312012\
Data File : 120101329.D
Acq On : 31 Jan 2012 3:29 pm
Operator : SCW OBB-AG5975
Sample : FB04; M
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01312012\
Data File : 120101329.D
Acq On : 31 Jan 2012 3:29 pm
Operator : SCW OBB-AG5975
Sample : FB04; M
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

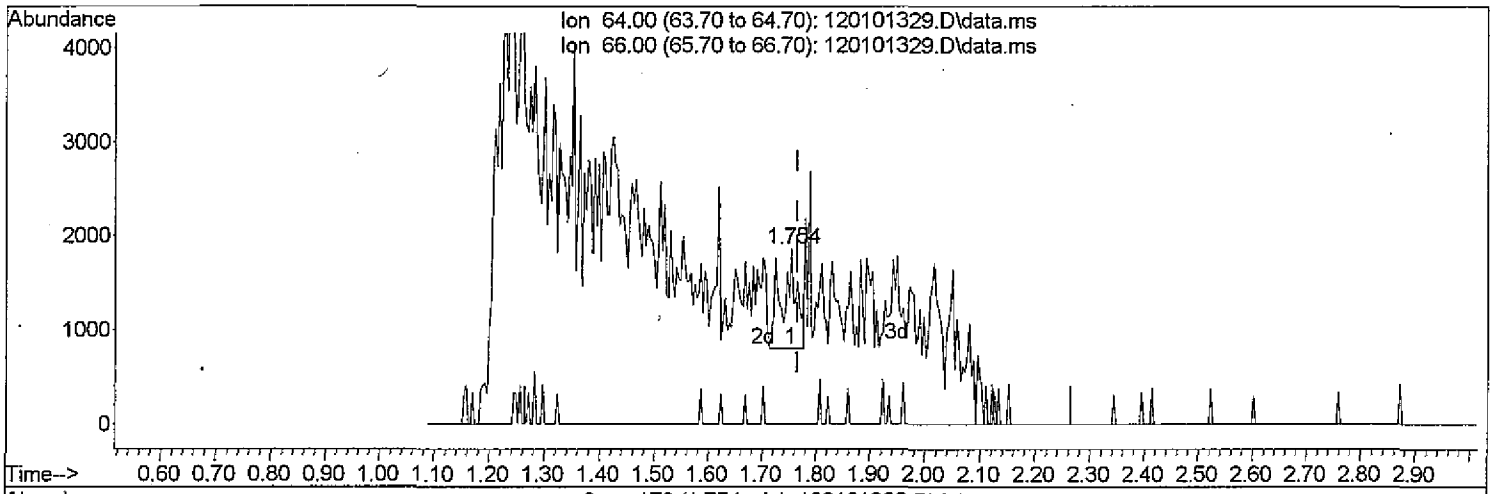
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

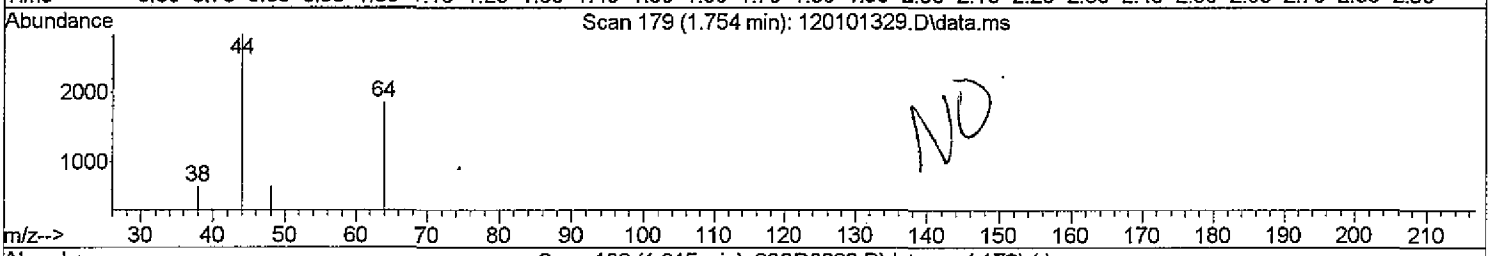
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

Quantitation Report (Qedit)

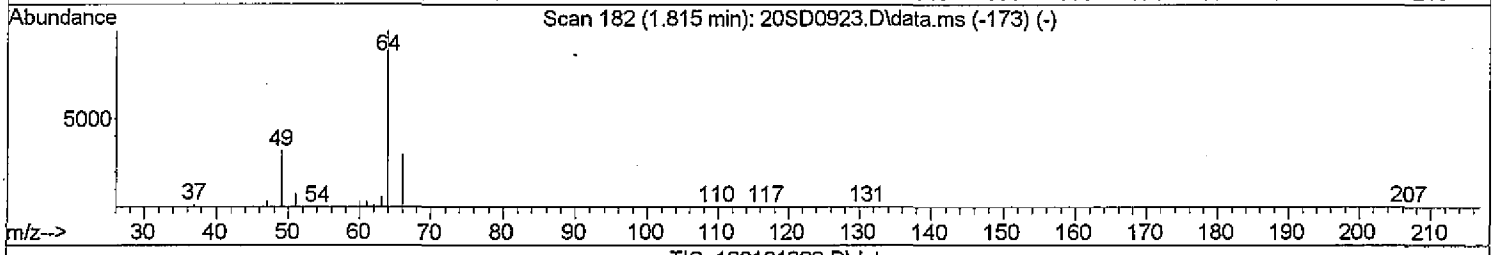
Data Path : D:\data\01312012\
Data File : 120101329.D
Acq On : 31 Jan 2012 3:29 pm
Operator : SCW OBB-AG5975
Sample : FB04; M
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 09:14:58 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration





NO



TIC: 120101329.D\data.ms

(6) CHLOROETHANE (TMCP)

1.754min (-0.011) 0.07ug/L

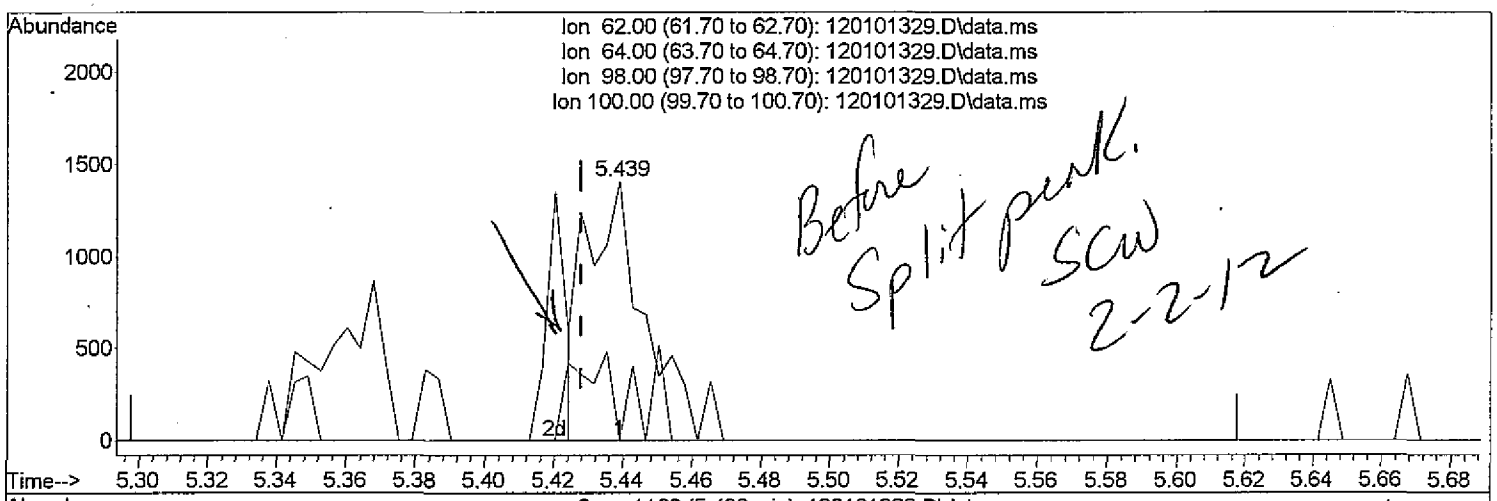
response 2014

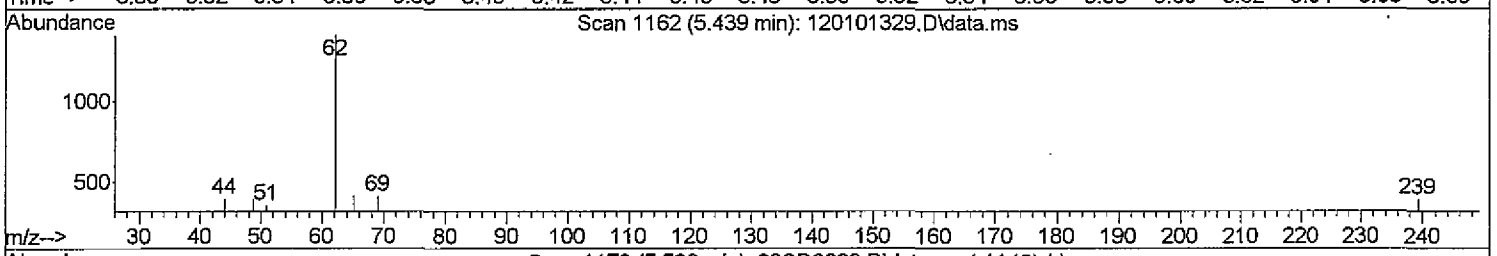
Ion	Exp%	Act%
64.00	100	100
66.00	31.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

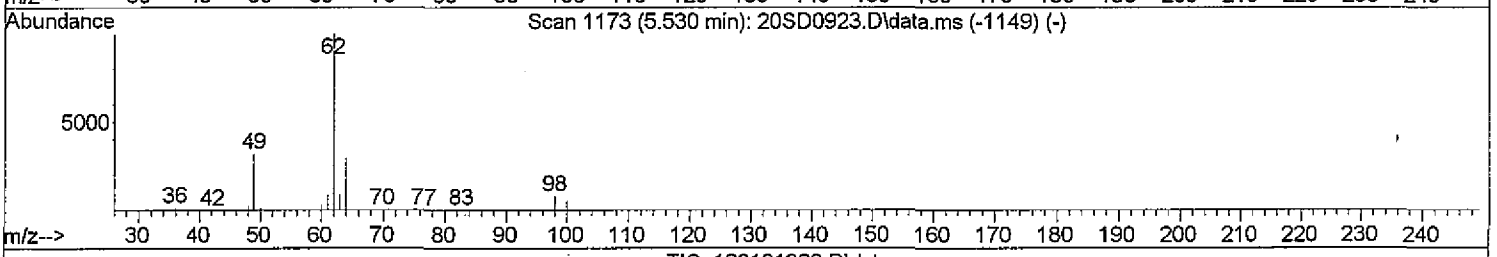
Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101329.D
Acq On : 31 Jan 2012 3:29 pm
Operator : SCW OBB-AG5975
Sample : FB04; M
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 09:14:58 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration







TIC: 120101329.D\data.ms

(25) 1,2-DICHLOROETHANE (TMCP)

5.439min (+0.011) 0.07ug/L

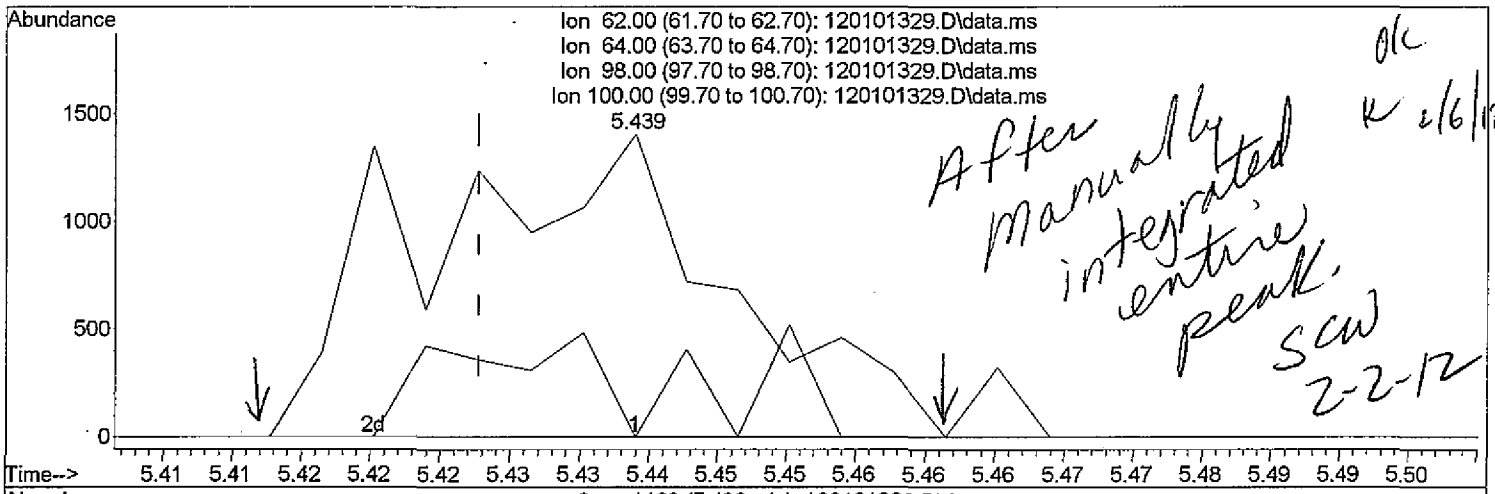
response 1612

Ion	Exp%	Act%
62.00	100	100
64.00	31.80	0.00#
98.00	7.60	0.00#
100.00	4.80	0.00#

Quantitation Report (Qedit)

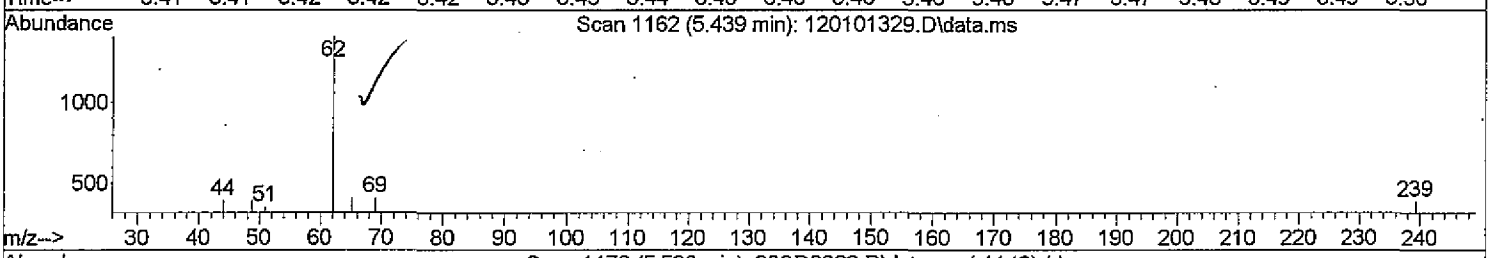
Data Path : D:\data\01312012\
Data File : 120101329.D
Acq On : 31 Jan 2012 3:29 pm
Operator : SCW OBB-AG5975
Sample : FB04; M
Misc :
ALS Vial : 2 Sample Multiplier: 1

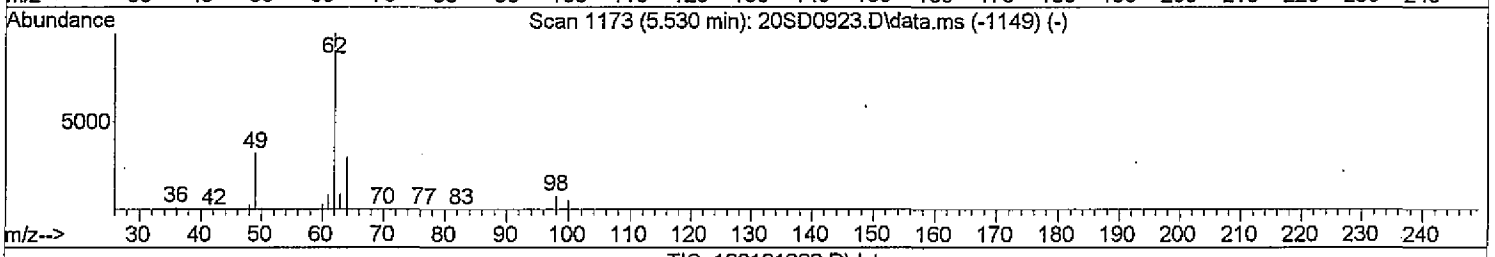
Quant Time: Feb 01 09:14:58 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



O/C
K 2/6/12

After manually integrated entire peak.
SCW
2-2-12





TIC: 120101329.D\data.ms

(25) 1,2-DICHLOROETHANE (TMCP)

5.439min (+0.011) 0.10ug/L m

response 2135

Ion	Exp%	Act%
62.00	100	100
64.00	31.80	0.00#
98.00	7.60	0.00#
100.00	4.80	0.00#

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101330.D
Acq On : 31 Jan 2012 3:59 pm
Operator : SCW OBB-AG5975
Sample : FB-05; O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 01 09:15:21 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	479781	4.00	ug/L	0.00
38) CHLOROBENZENE-d5	10.203	117	427344	4.00	ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	177167	4.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-DICHLOROETHANE-d4	5.345	65	111838	4.36	ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 109.00%			
42) TOLUENE-d8	8.475	98	592444	3.86	ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 96.50%			
60) 4-BROMOFLUOROBENZENE	11.534	95	166036	3.89	ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 97.25%			

Target Compounds						Qvalue
8) ACETONE	2.331	43	6466	1.58	ug/L J	96
11) METHYLENE CHLORIDE	2.819	84	49378	2.02	ug/L #	76
22) CHLOROFORM	4.708	83	131635	2.75	ug/L	100
25) 1,2-DICHLOROETHANE	5.435	62	1579	0.07	ug/L # J	54
34) BROMODICHLOROMETHANE	6.811	83	4230	0.16	ug/L # J	48
43) TOLUENE	8.554	92	75735	0.87	ug/L	95
76) NAPHTHALENE	14.627	128	8923	0.25	ug/L # J	95

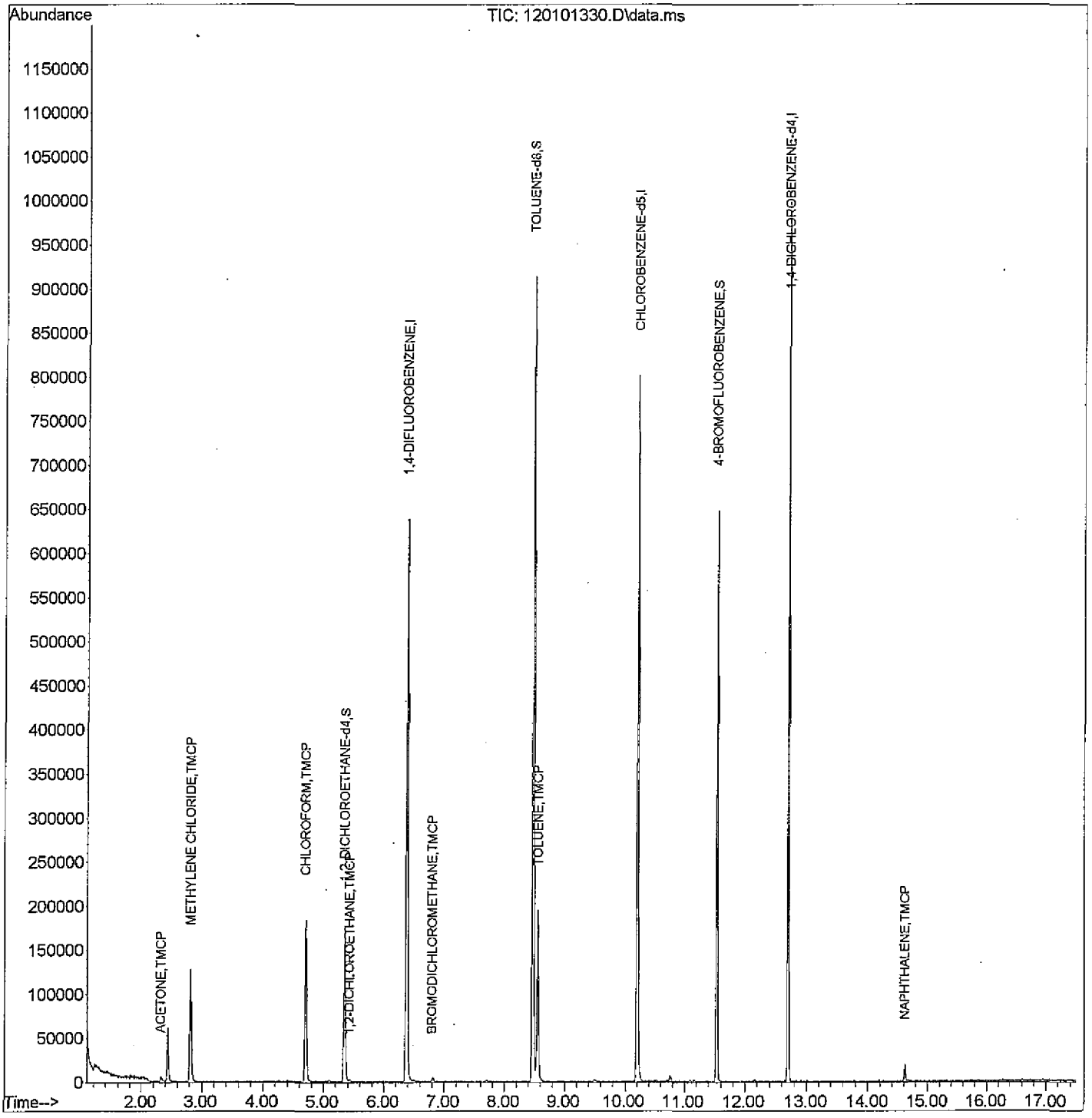
(#) = qualifier out of range (m) = manual integration (+) = signals summed

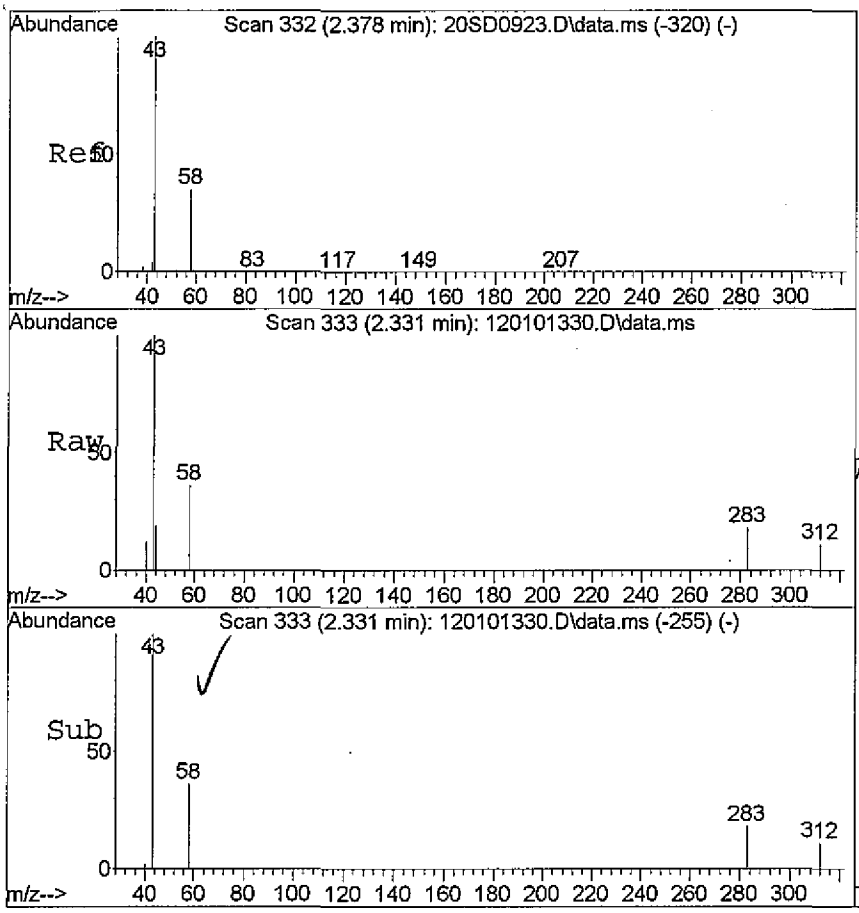
No TICs

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101330.D
Acq On : 31 Jan 2012 3:59 pm
Operator : SCW OBB-AG5975
Sample : FB-05; O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 01 09:15:21 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

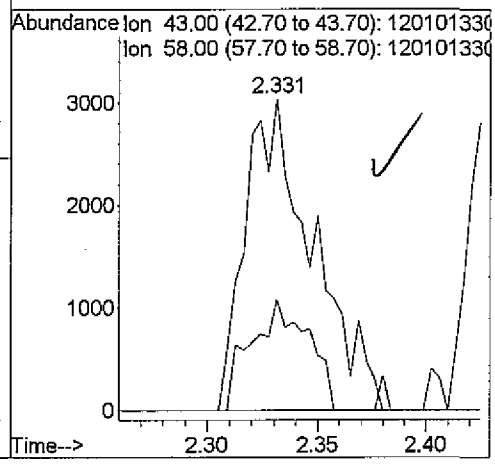


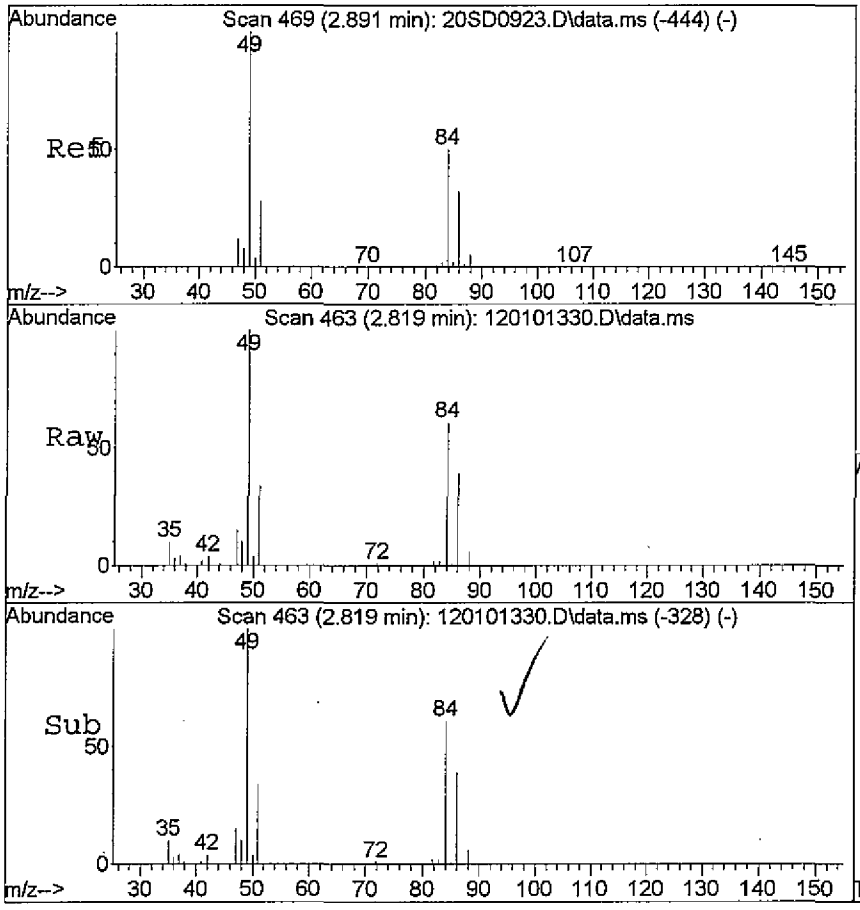


#8
ACETONE
Concen: 1.58 ug/L
RT: 2.331 min Scan# 333
Delta R.T. -0.008 min
Lab File: 120101330.D
Acq: 31 Jan 2012 3:59 pm

Tgt Ion: 43 Resp: 6466

Ion	Ratio	Lower	Upper
43	100		
58	30.3	22.5	33.7

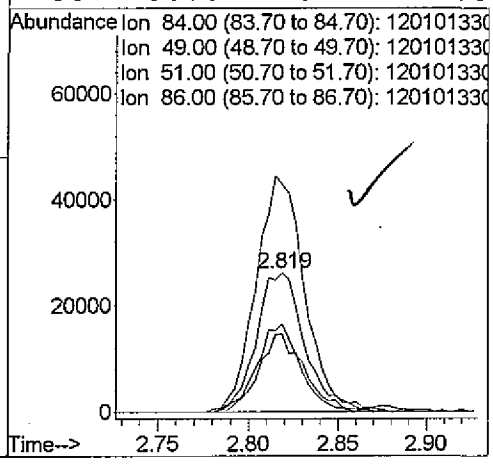


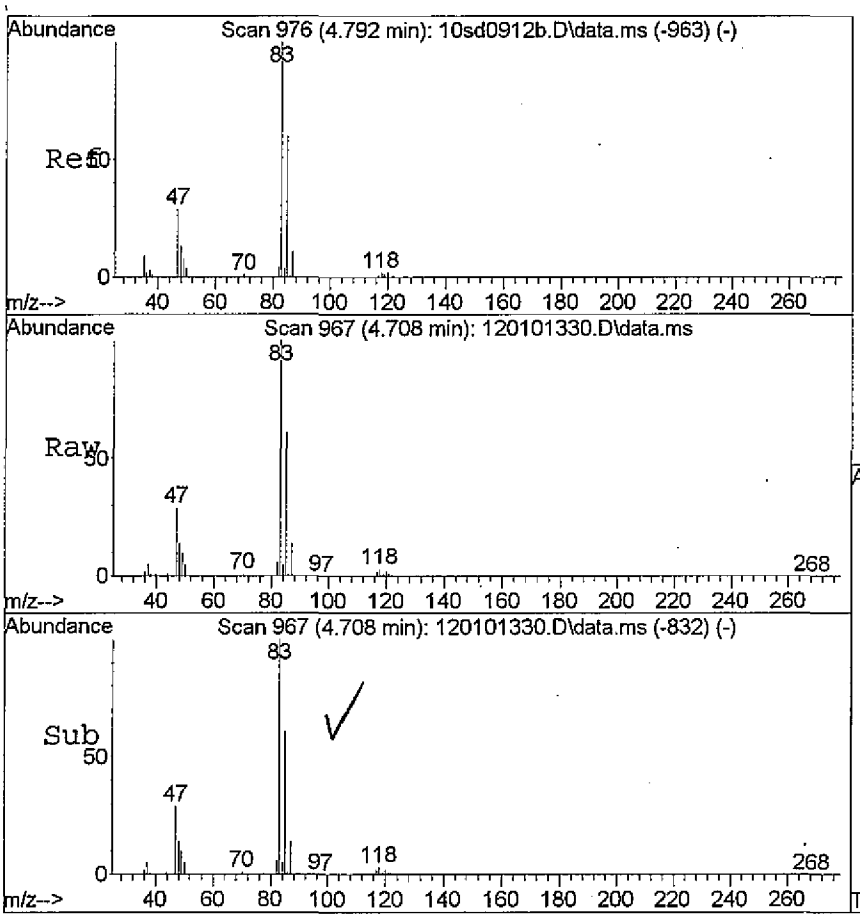


#11
METHYLENE CHLORIDE
Concen: 2.02 ug/L
RT: 2.819 min Scan# 463
Delta R.T. 0.007 min
Lab File: 120101330.D
Acq: 31 Jan 2012 3:59 pm

Tgt Ion: 84 Resp: 49378

Ion	Ratio	Lower	Upper
84	100		
49	169.1	102.1	153.1#
51	49.6	31.0	46.6#
86	60.6	49.2	73.8

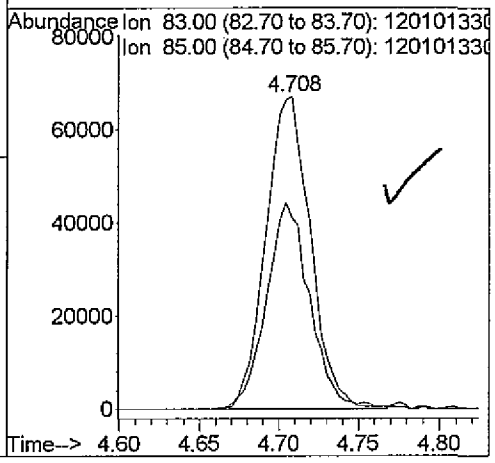


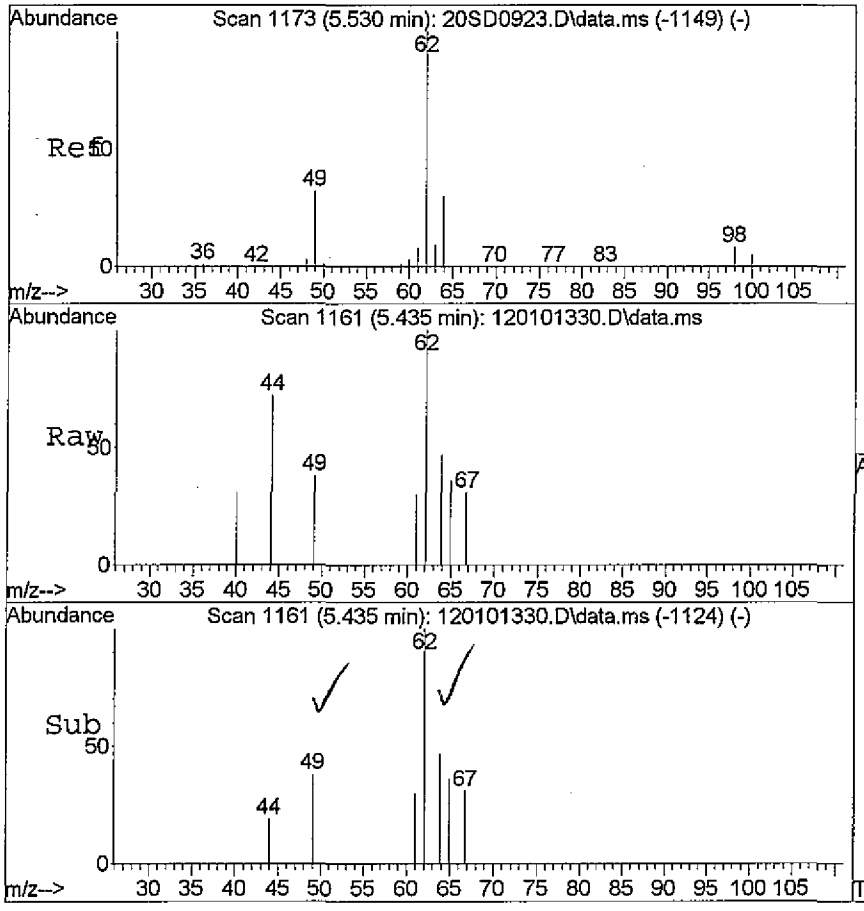


#22
CHLOROFORM
Concen: 2.75 ug/L
RT: 4.708 min Scan# 967
Delta R.T. 0.007 min
Lab File: 120101330.D
Acq: 31 Jan 2012 3:59 pm

Tgt Ion: 83 Resp: 131635

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.3	76.9

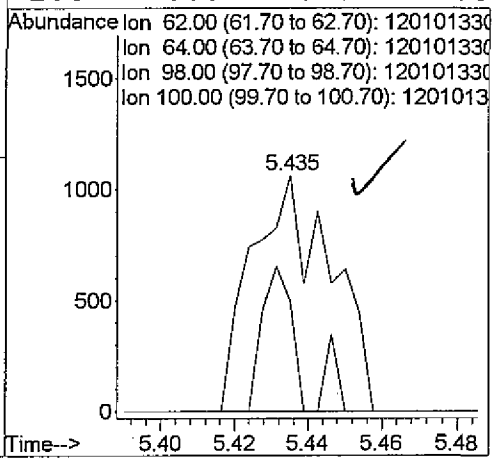


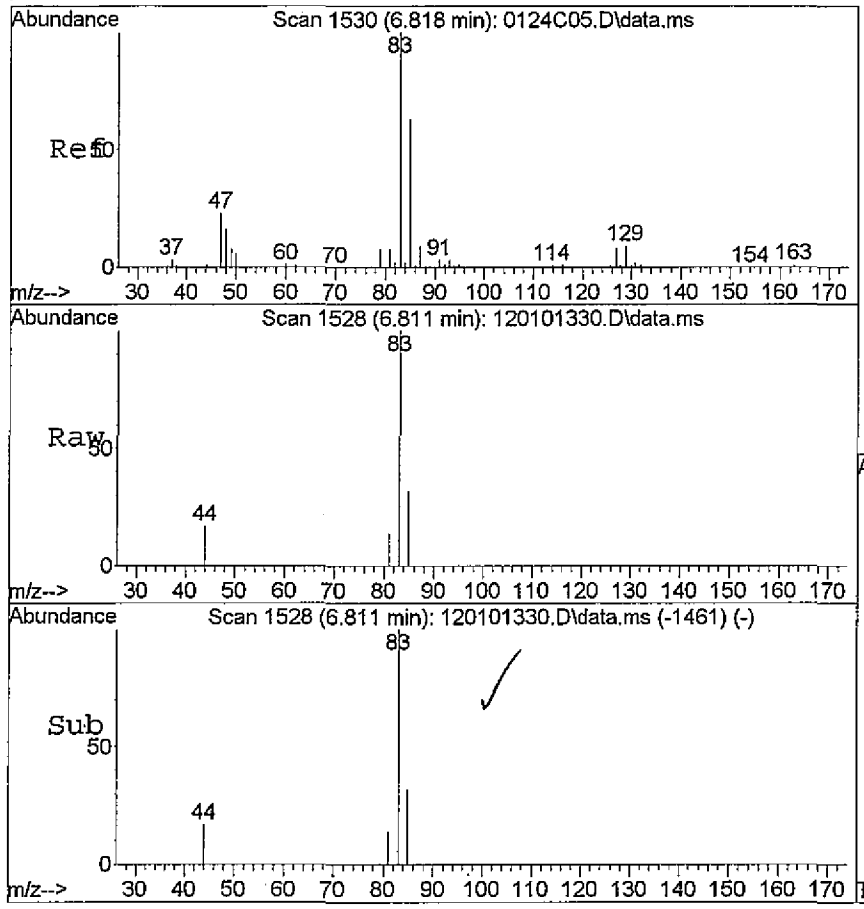


#25
1,2-DICHLOROETHANE
Concen: 0.07 ug/L
RT: 5.435 min Scan# 1161
Delta R.T. 0.007 min
Lab File: 120101330.D
Acq: 31 Jan 2012 3:59 pm

Tgt Ion: 62 Resp: 1579

Ion	Ratio	Lower	Upper
62	100		
64	0.0	25.4	38.2#
98	0.0	6.1	9.1#
100	0.0	3.8	5.8#

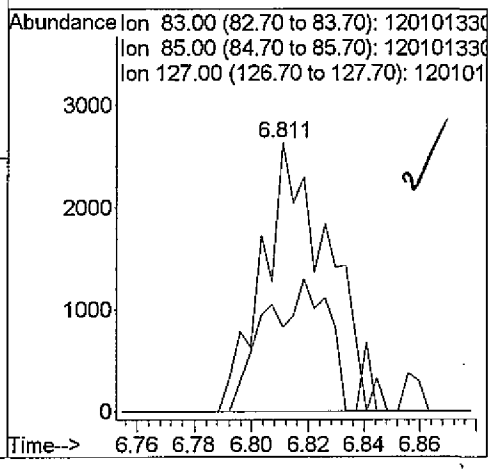


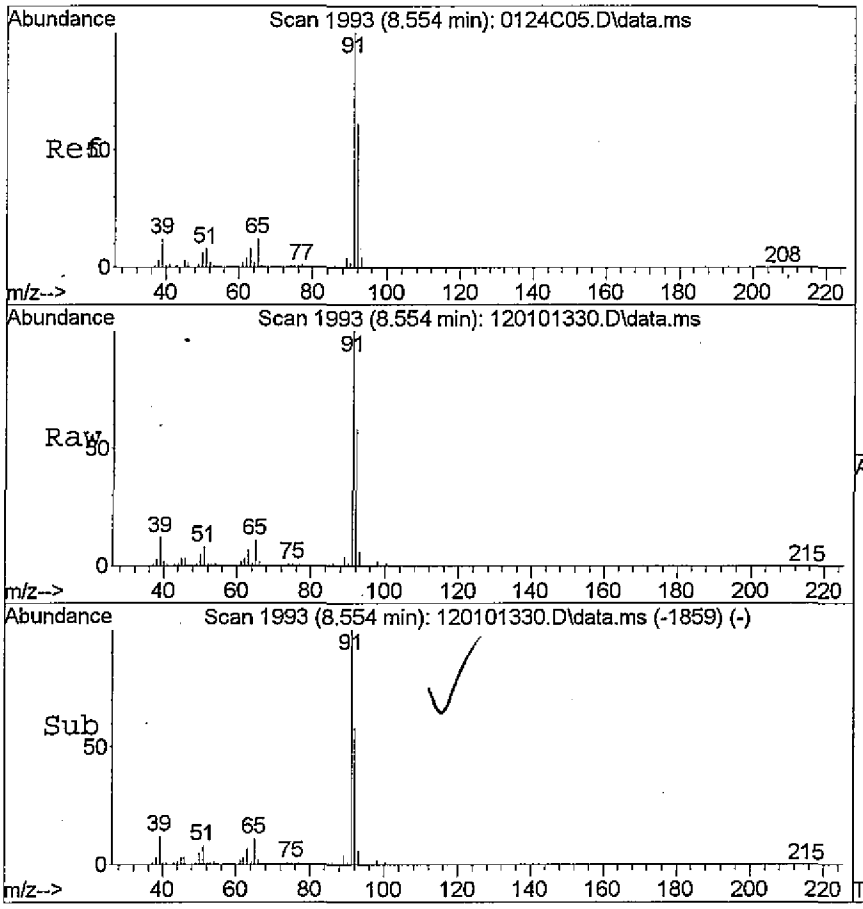


#34
BROMODICHLOROMETHANE
Concen: 0.16 ug/L
RT: 6.811 min Scan# 1528
Delta R.T. -0.000 min
Lab File: 120101330.D
Acq: 31 Jan 2012 3:59 pm

Tgt Ion: 83 Resp: 4230

Ion	Ratio	Lower	Upper
83	100		
85	19.7	50.1	75.1#
127	0.0	7.0	10.6#

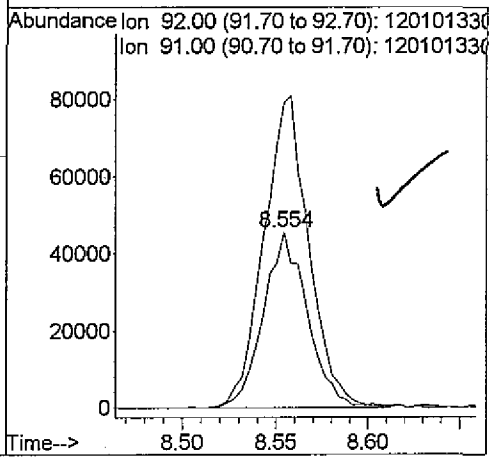


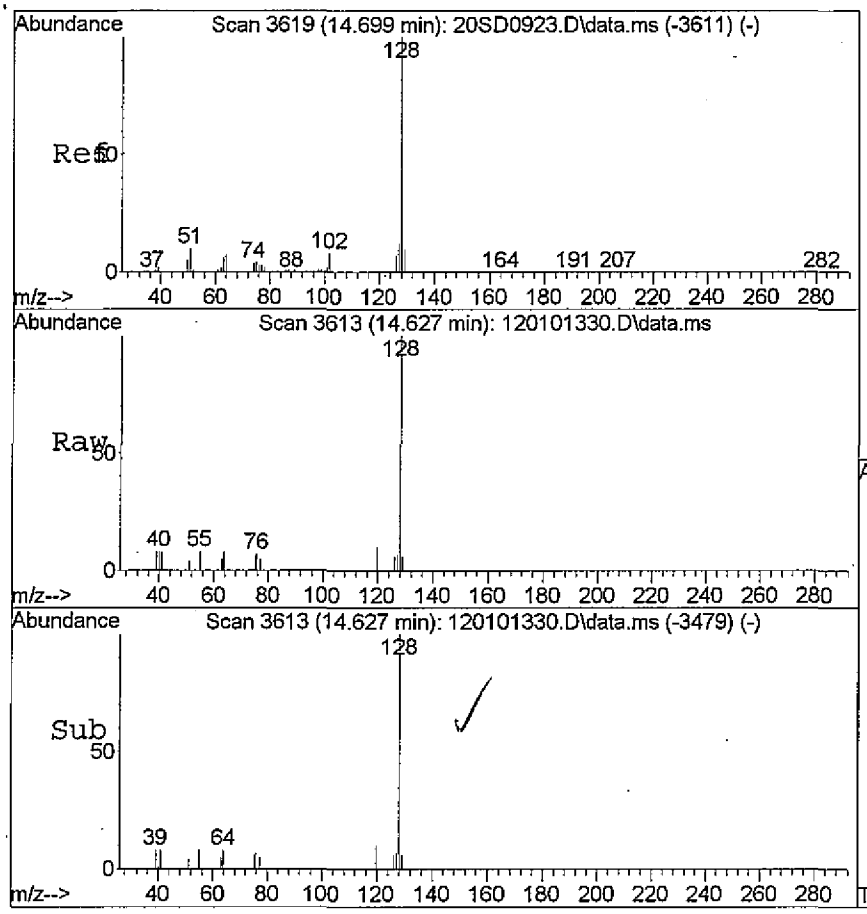


#43
TOLUENE
Concen: 0.87 ug/L
RT: 8.554 min Scan# 1993
Delta R.T. 0.004 min
Lab File: 120101330.D
Acq: 31 Jan 2012 3:59 pm

Tgt Ion: 92 Resp: 75735

Ion	Ratio	Lower	Upper
92	100		
91	180.9	139.3	208.9

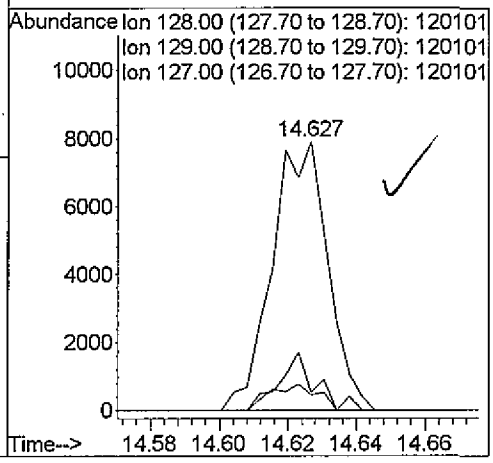




#76
NAPHTHALENE
Concen: 0.25 ug/L
RT: 14.627 min Scan# 3613
Delta R.T. 0.004 min
Lab File: 120101330.D
Acq: 31 Jan 2012 3:59 pm

Tgt Ion:128 Resp: 8923

Ion	Ratio	Lower	Upper
128	100		
129	8.3	8.7	13.1#
127	14.2	10.2	15.2



LSC Area Percent Report

Data Path : D:\data\01312012\
Data File : 120101330.D
Acq On : 31 Jan 2012 3:59 pm
Operator : SCW OBB-AG5975
Sample : FB-05; O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.436	350	361	380	rBV2	61560	102836	6.45%	1.379%
2	2.819	448	463	477	rBV2	128197	239912	15.05%	3.217%
3	4.704	953	966	978	rBV2	184748	346277	21.72%	4.643%
4	5.345	1123	1137	1154	rBV2	177271	328129	20.58%	4.400%
5	6.380	1400	1413	1436	rBV	638406	1117611	70.11%	14.985%
6	8.472	1959	1971	1983	rBV	913748	1594077	100.00%	21.374%
7	8.554	1984	1993	2011	rVB	194462	344118	21.59%	4.614%
8	10.200	2418	2432	2453	rBV2	802013	1349463	84.65%	18.094%
9	11.530	2778	2787	2799	rBV	648822	832683	52.24%	11.165%
10	12.700	3090	3099	3110	rBV	999720	1174260	73.66%	15.745%
11	14.623	3604	3612	3622	rBV5	20034	28817	1.81%	0.386%

Sum of corrected areas: 7458183

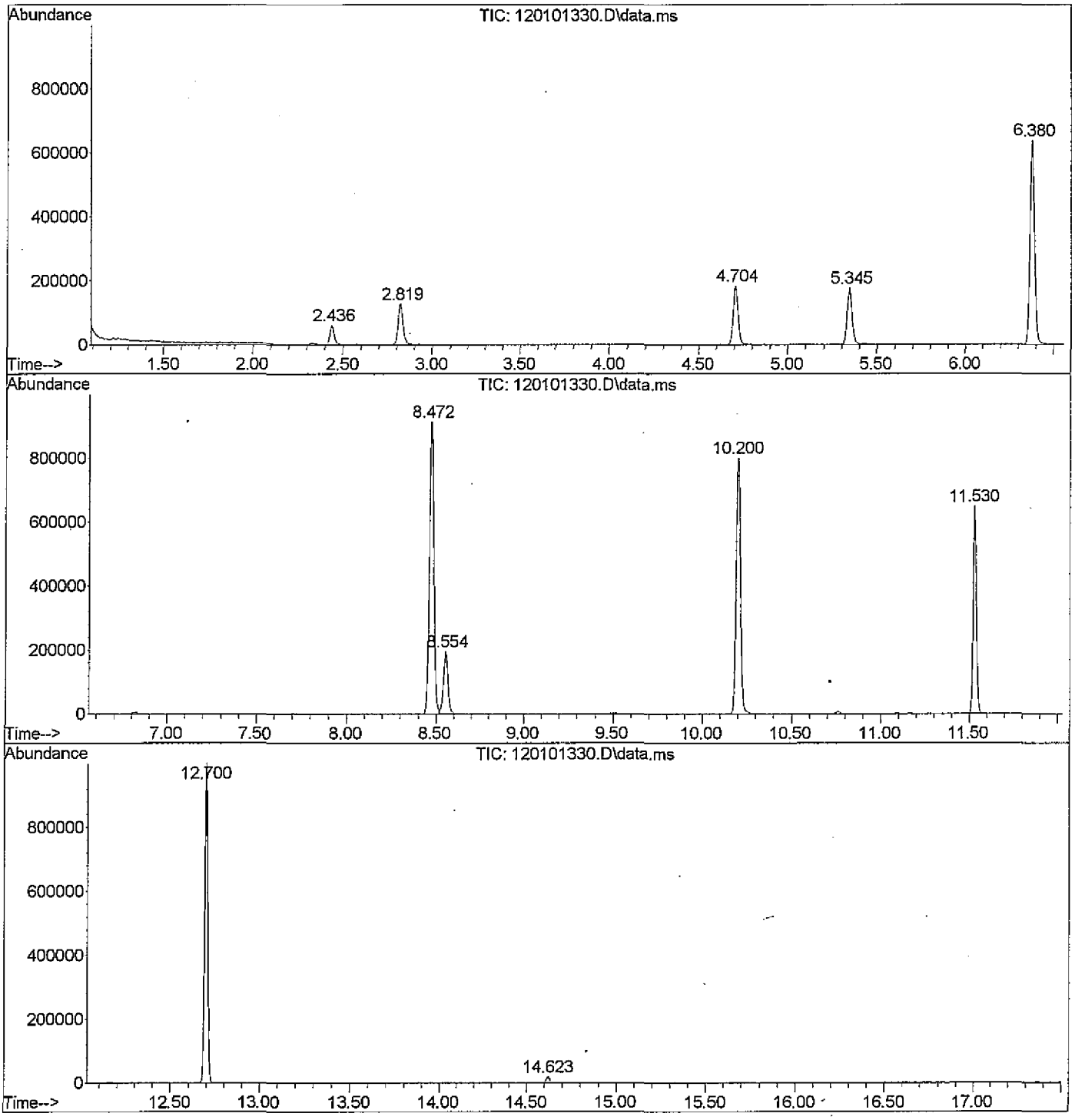
DIM0218843 DIM0219412

LSC Report - Integrated Chromatogram

Data Path : D:\data\01312012\
Data File : 120101330.D
Acq On : 31 Jan 2012 3:59 pm
Operator : SCW OBB-AG5975
Sample : FB-05; O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01312012\
Data File : 120101330.D
Acq On : 31 Jan 2012 3:59 pm
Operator : SCW OBB-AG5975
Sample : FB-05; O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01312012\
Data File : 120101330.D
Acq On : 31 Jan 2012 3:59 pm
Operator : SCW OBB-AG5975
Sample : FB-05; O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101331.D
Acq On : 31 Jan 2012 6:27 pm
Operator : SCW OBB-AG5975
Sample : HW24; L
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 01 09:28:28 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	434570	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	413188	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	182901	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	100918	4.34 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 108.50%	
42) TOLUENE-d8	8.472	98	533876	3.59 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 89.75%	
60) 4-BROMOFLUOROBENZENE	11.530	95	160586	3.65 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 91.25%	
Target Compounds					Qvalue
8) ACETONE	2.328	43	1929	0.52 ug/L	#J,B 47
13) CARBON DISULFIDE	2.931	76	8380	0.10 ug/L	# J 74

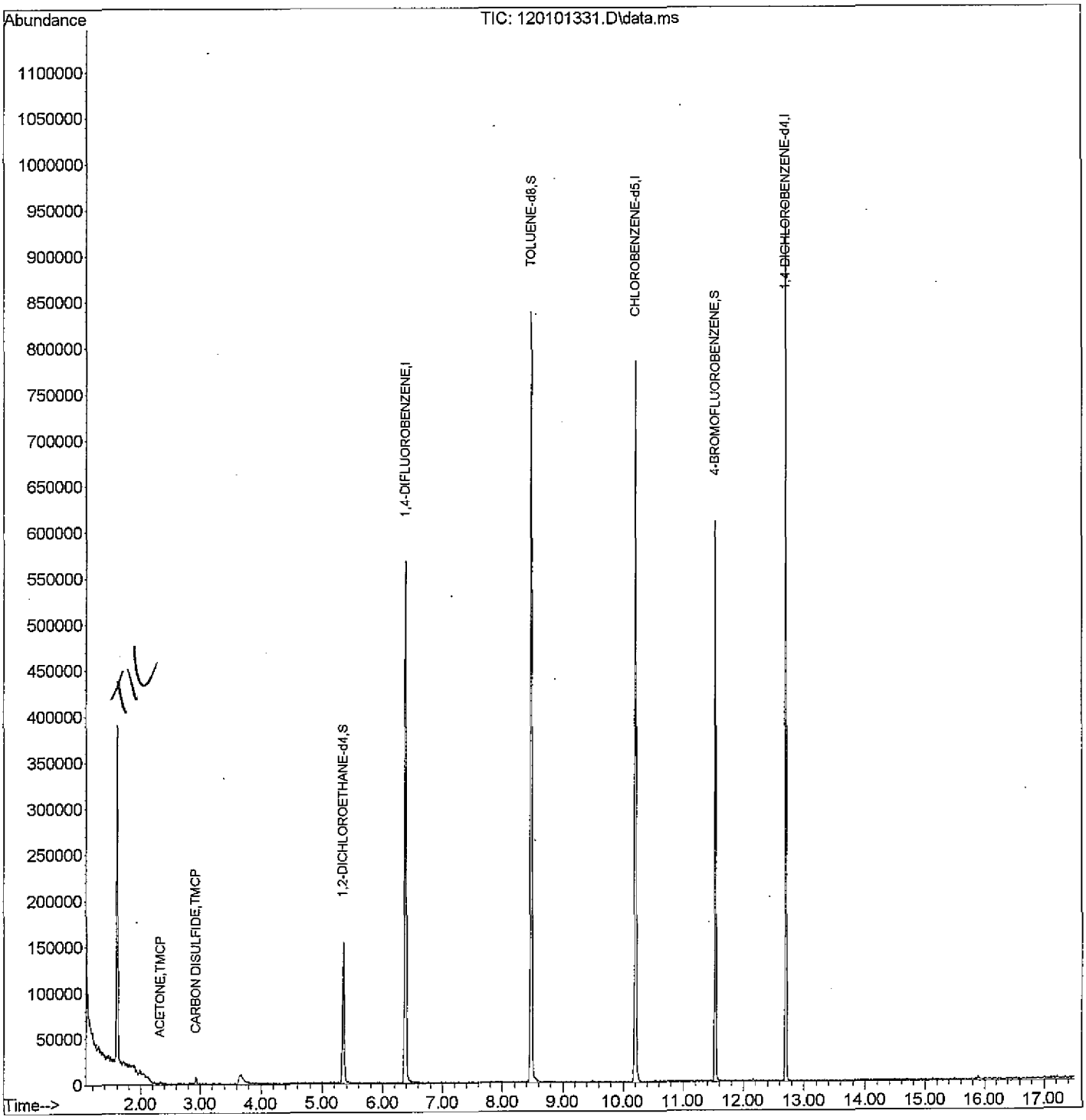
(#) = qualifier out of range (m) = manual integration (+) = signals summed

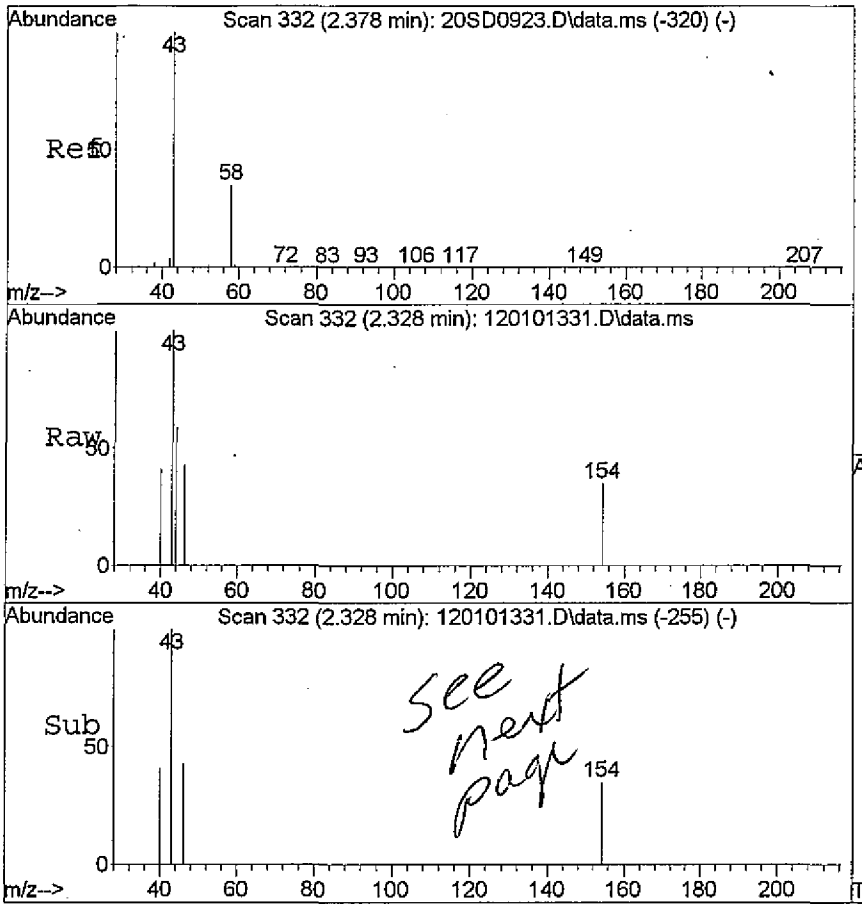
1 TIC

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101331.D
Acq On : 31 Jan 2012 6:27 pm
Operator : SCW OBB-AG5975
Sample : HW24; L
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 01 09:28:28 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



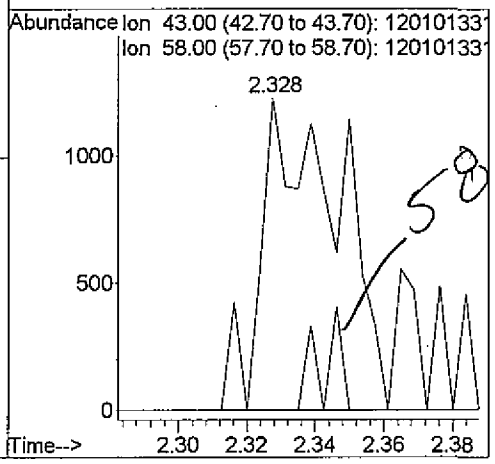


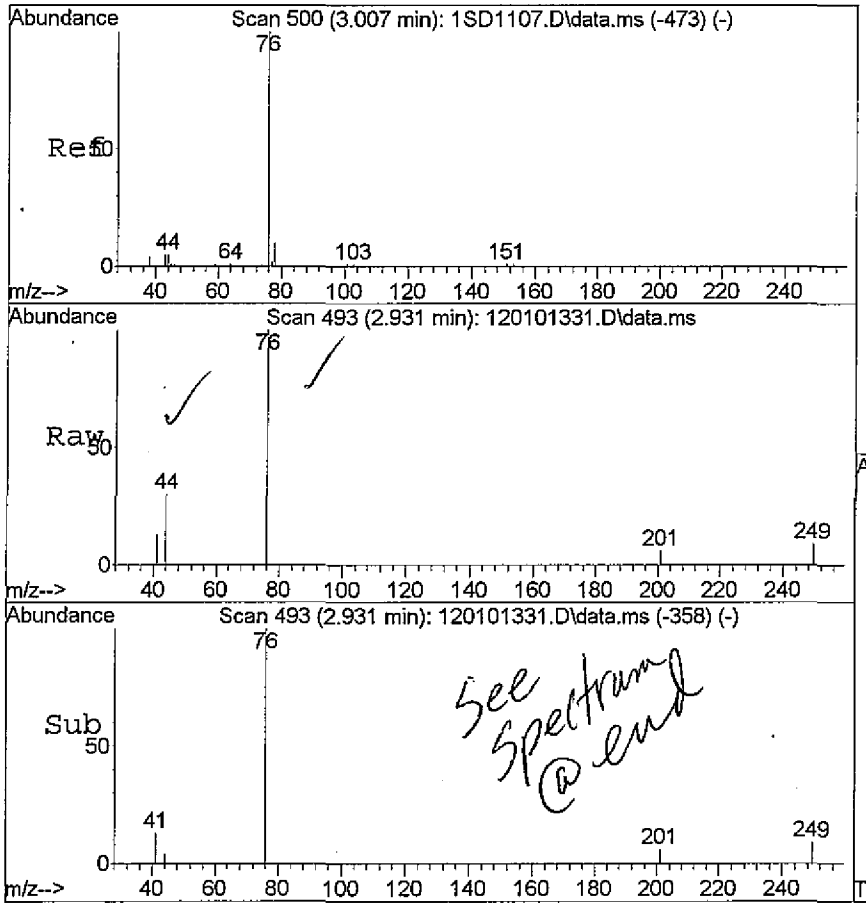
see next page

#8
ACETONE
Concen: 0.52 ug/L
RT: 2.328 min Scan# 332
Delta R.T. -0.011 min
Lab File: 120101331.D
Acq: 31 Jan 2012 6:27 pm

Tgt Ion: 43 Resp: 1929

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#



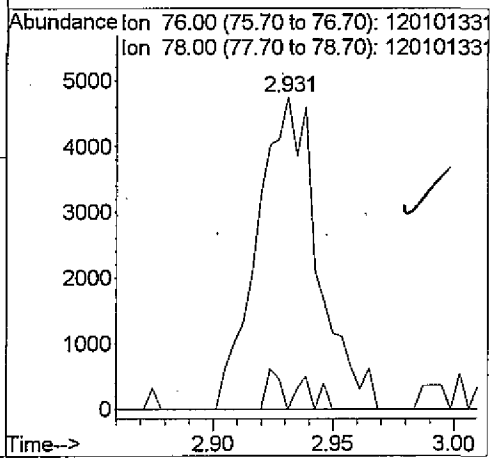


see spectrum @ end

#13
CARBON DISULFIDE
Concen: 0.10 ug/L
RT: 2.931 min Scan# 493
Delta R.T. 0.007 min
Lab File: 120101331.D
Acq: 31 Jan 2012 6:27 pm

Tgt Ion: 76 Resp: 8380

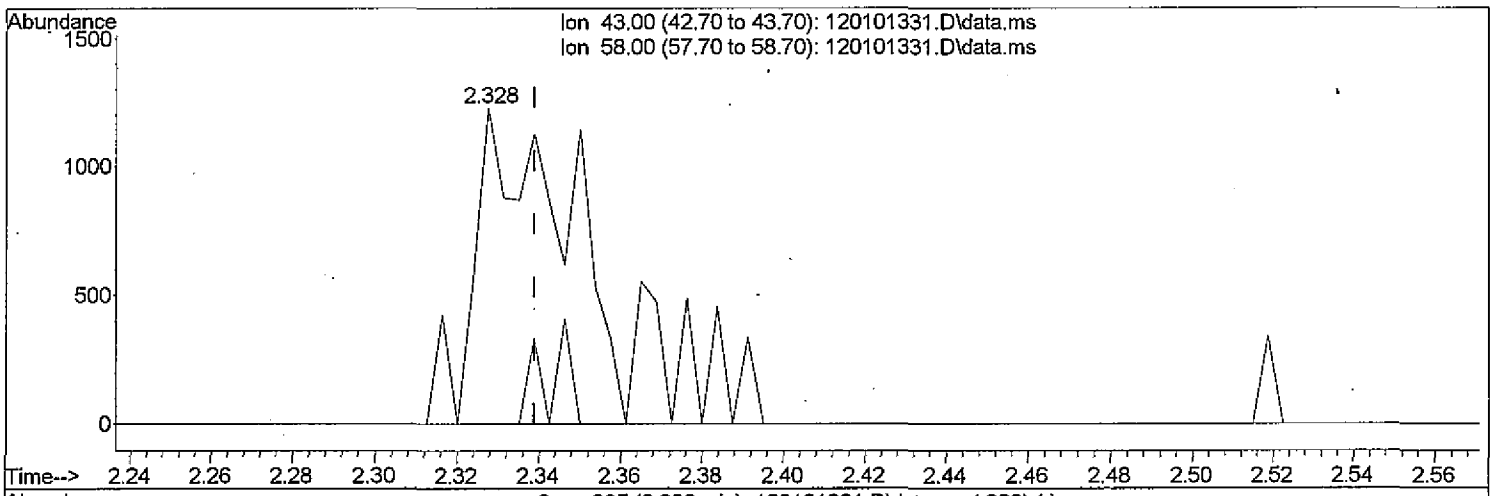
Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.7	11.5#

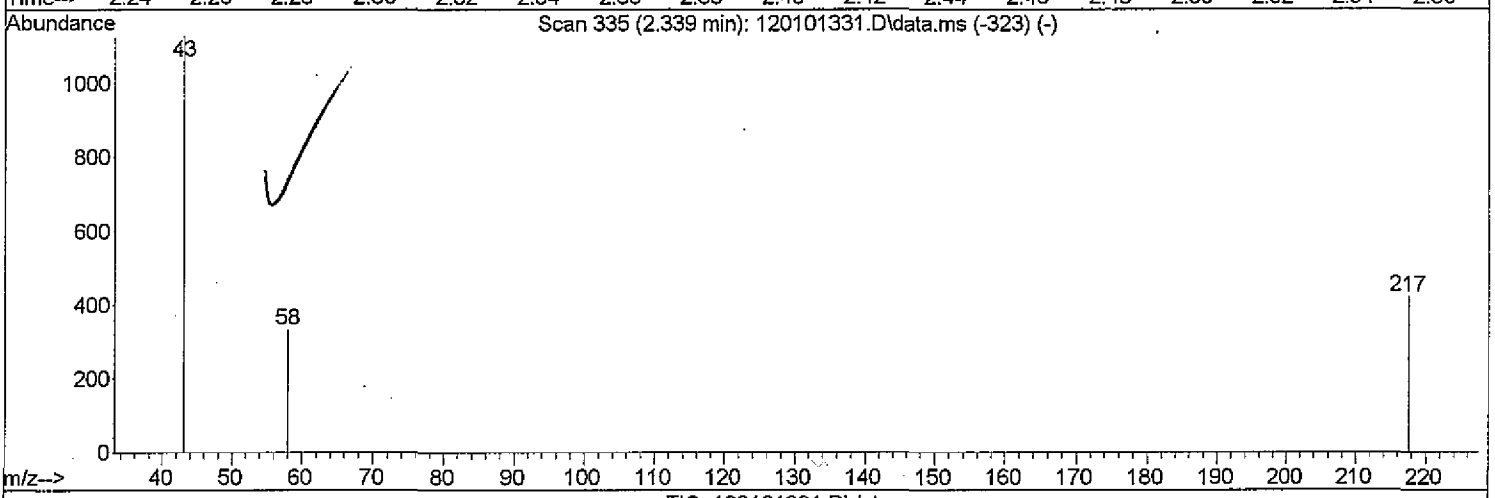


Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101331.D
Acq On : 31 Jan 2012 6:27 pm
Operator : SCW OBB-AG5975
Sample : HW24; L
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 01 09:28:28 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration





TIC: 120101331.D\data.ms

(8) ACETONE (TMCP)

2.328min (-0.011) 0.52ug/L

response 1929

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

LSC Area Percent Report

Data Path : D:\data\01312012\
Data File : 120101331.D
Acq On : 31 Jan 2012 6:27 pm
Operator : SCW OBB-AG5975
Sample : HW24; L
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

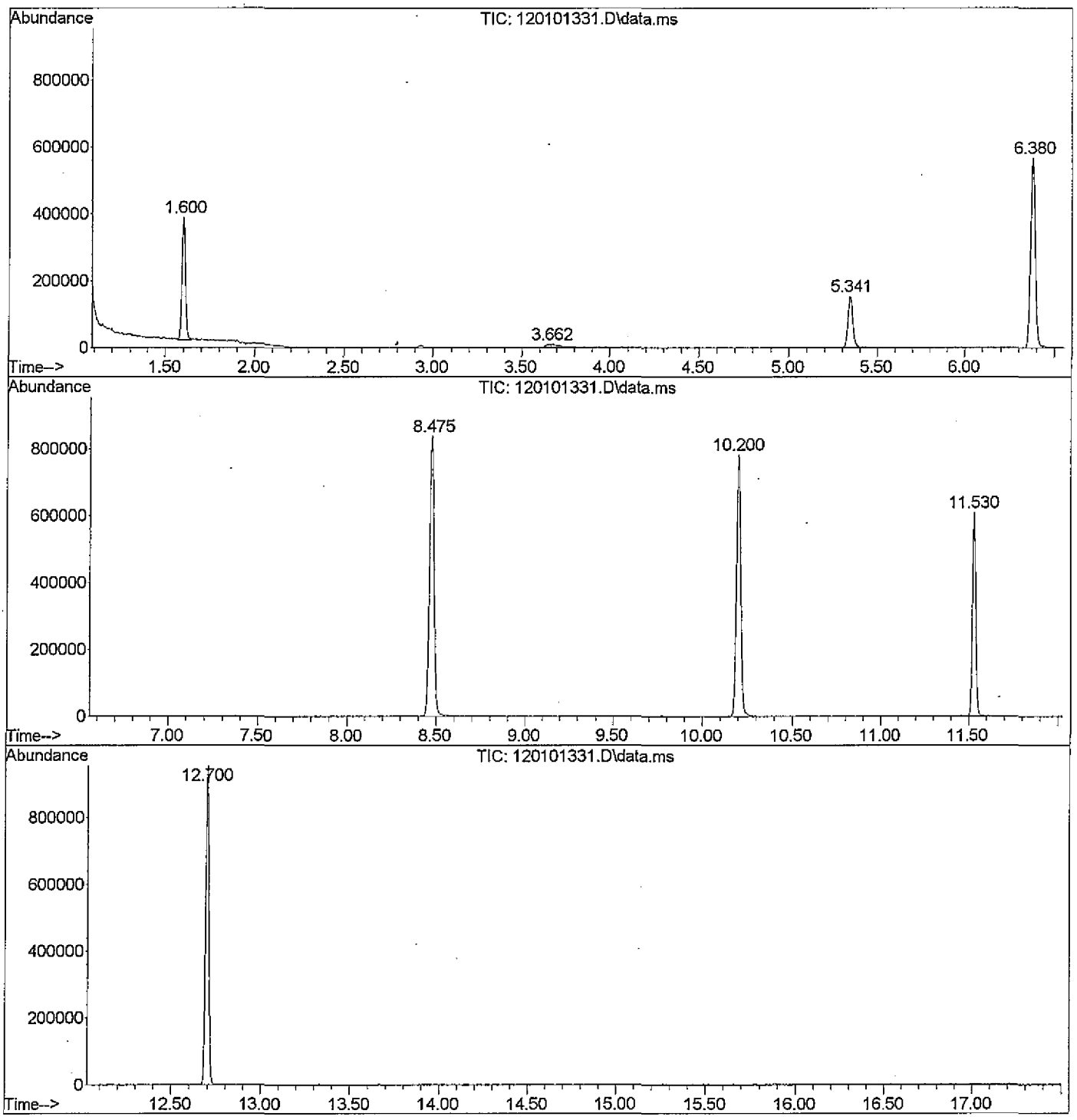
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.600	130	138	151	rVB	367407	493712	33.64%	7.523%
2	3.662	674	688	689	rBV2	10538	21359	1.46%	0.325%
3	5.341	1124	1136	1153	rBV2	154437	299828	20.43%	4.569%
4	6.380	1401	1413	1428	rBV2	567417	1016740	69.29%	15.493%
5	8.475	1959	1972	1990	rBV2	838068	1467433	100.00%	22.361%
6	10.200	2420	2432	2456	rVB	784370	1291755	88.03%	19.684%
7	11.530	2777	2787	2803	rBV	610222	812137	55.34%	12.376%
8	12.700	3089	3099	3110	rBV	955668	1159467	79.01%	17.668%

Sum of corrected areas: 6562431

Data Path : D:\data\01312012\
Data File : 120101331.D
Acq On : 31 Jan 2012 6:27 pm
Operator : SCW OBB-AG5975
Sample : HW24; L
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Data Path : D:\data\01312012\
Data File : 120101331.D
Acq On : 31 Jan 2012 6:27 pm
Operator : SCW OBB-AG5975
Sample : HW24; L
Misc :
ALS Vial : 8 Sample Multiplier: 1

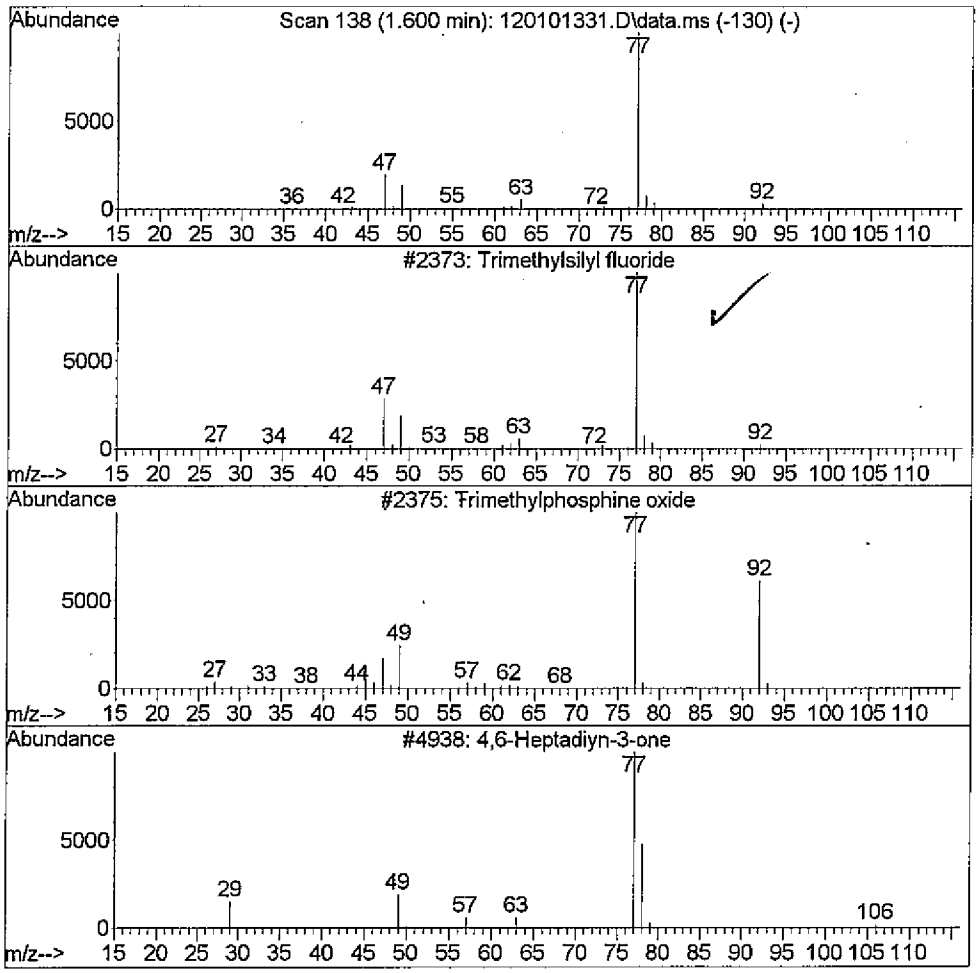
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

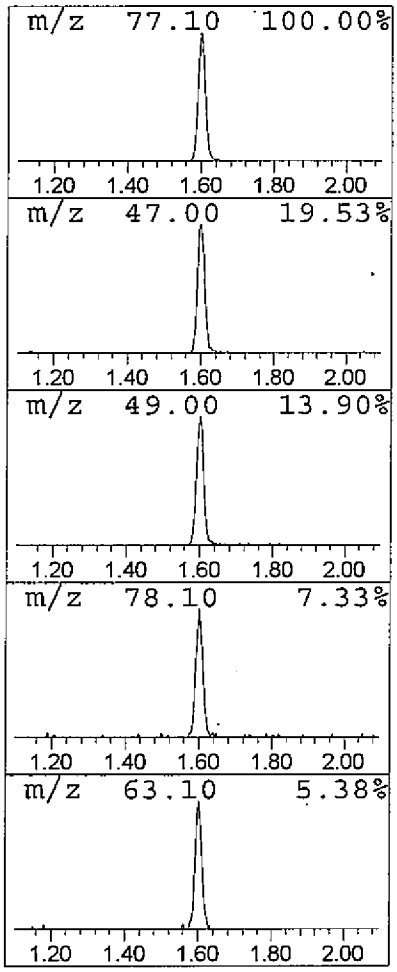
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Trimethylsilyl fluoride Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.600	1.94 ug/L	493712	1,4-DIFLUOROBENZENE	6.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trimethylsilyl fluoride	92	C3H9FSi	000420-56-4	91
2	Trimethylphosphine oxide	92	C3H9OP	000676-96-0	59
3	4,6-Heptadiyn-3-one	106	C7H6O	029743-27-9	9
4	Propane, 1,2-dichloro-2-methyl-	126	C4H8Cl2	000594-37-6	4
5	Propane, 2-chloro-2-nitro-	123	C3H6ClNO2	000594-71-8	4





Tentatively Identified Compound (LSC) Summary

Data Path : D:\data\01312012\
Data File : 120101331.D
Acq On : 31 Jan 2012 6:27 pm
Operator : SCW OBB-AG5975
Sample : HW24; L
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

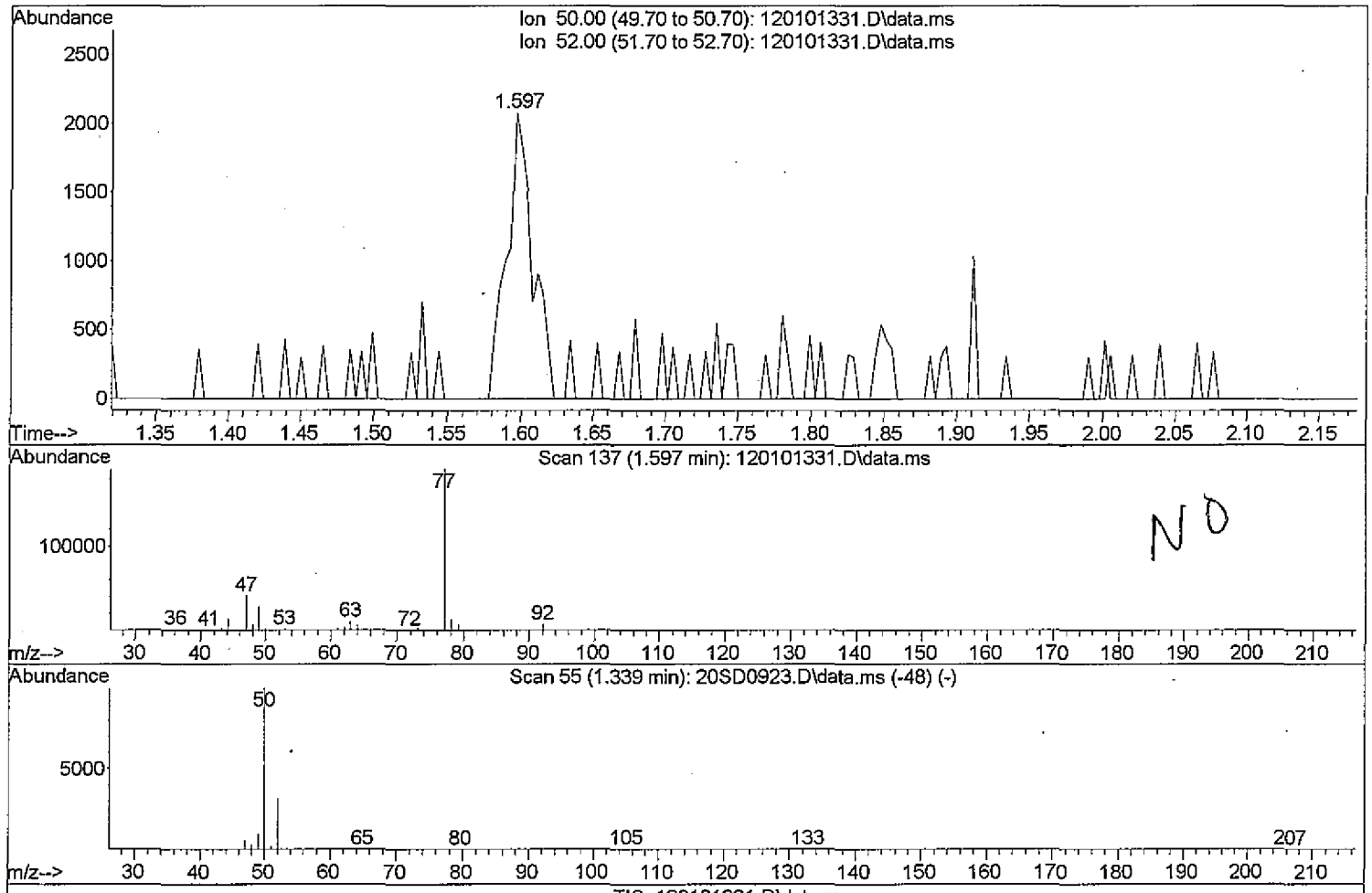
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Trimethylsilyl ...	1.600	1.9	ug/L	493712	1	6.380	1016740	4.0

Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101331.D
Acq On : 31 Jan 2012 6:27 pm
Operator : SCW OBB-AG5975
Sample : HW24; L
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 01 09:16:00 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



ND

(3) CHLOROMETHANE (TMCP)

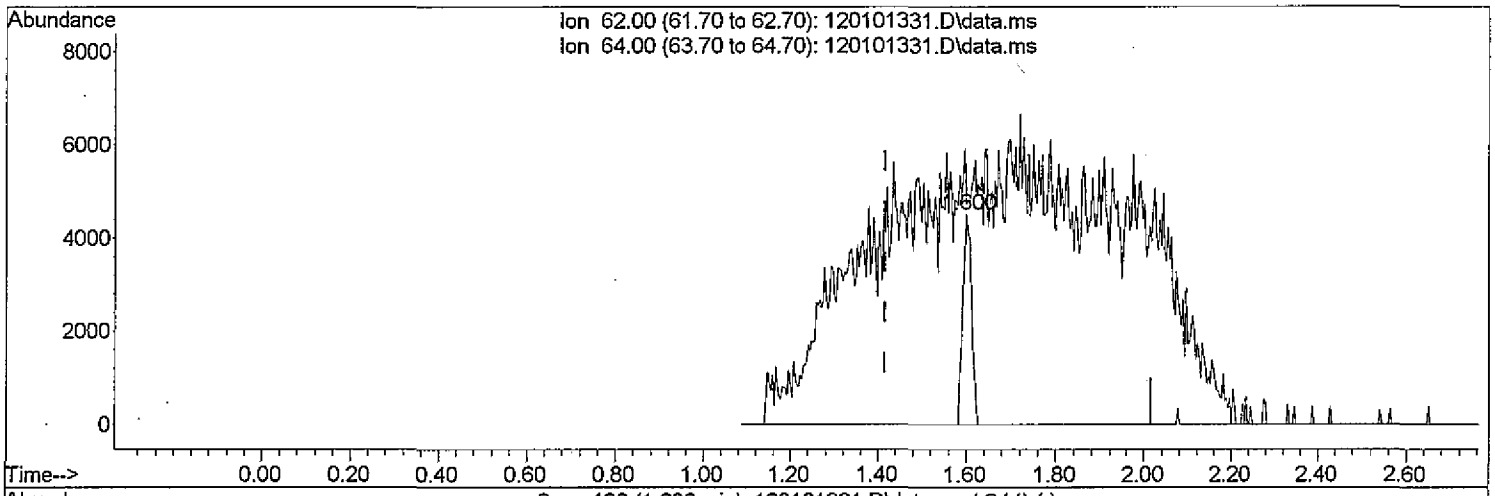
1.597min (+0.292) 0.06ug/L

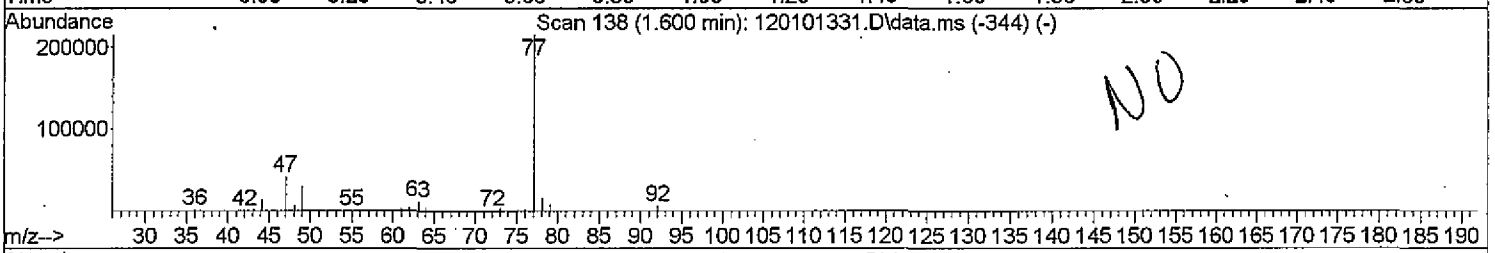
response 2587

Ion	Exp%	Act%
50.00	100	100
52.00	31.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

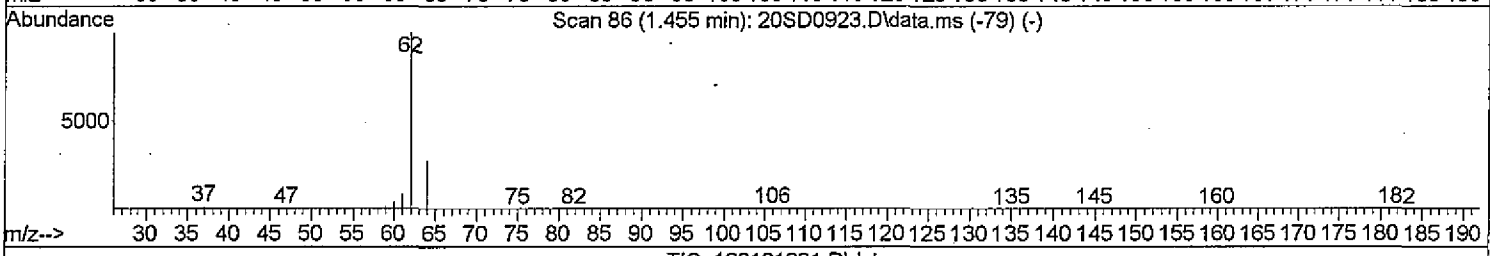
Data Path : D:\data\01312012\
Data File : 120101331.D
Acq On : 31 Jan 2012 6:27 pm
Operator : SCW OBB-AG5975
Sample : HW24; L
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 01 09:16:00 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration





NO



TIC: 120101331.D\data.ms

(4) VINYL CHLORIDE (TMCP)

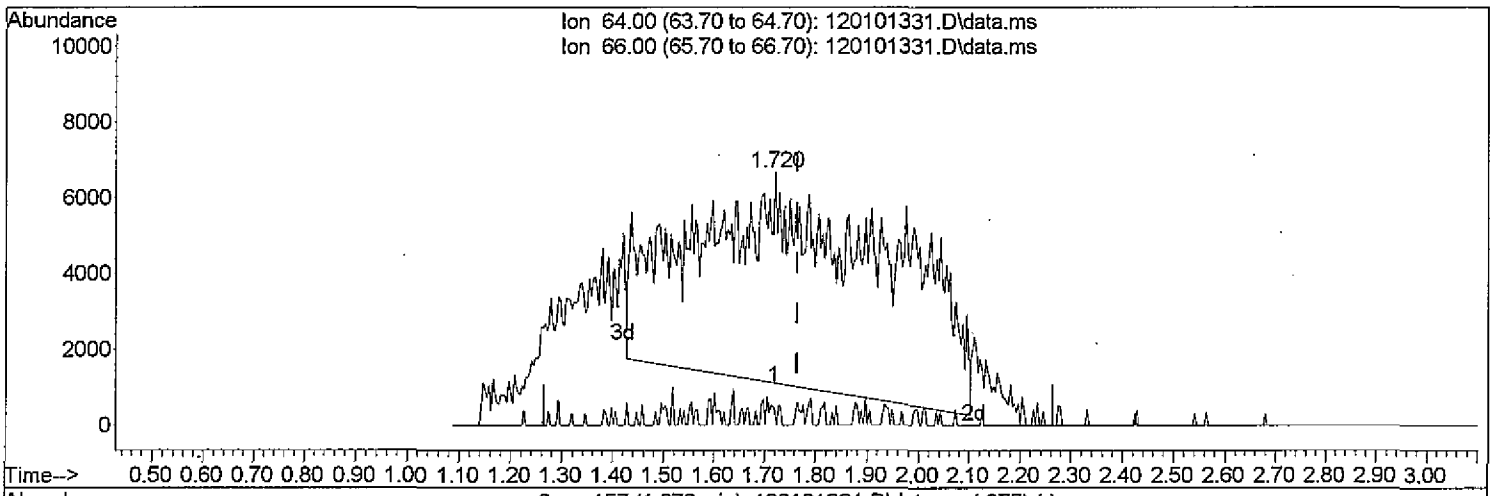
1.600min (+0.184) 0.15ug/L

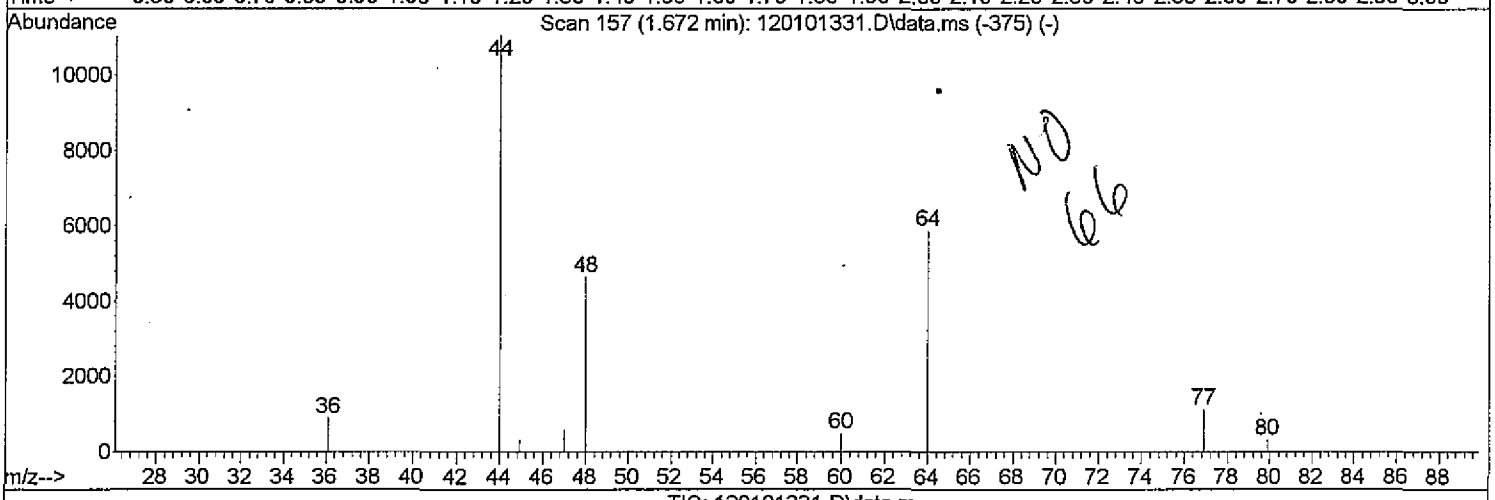
response 6169

Ion	Exp%	Act%
62.00	100	100
64.00	31.90	65.34#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\data\01312012\
Data File : 120101331.D
Acq On : 31 Jan 2012 6:27 pm
Operator : SCW OBB-AG5975
Sample : HW24; L
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 01 09:16:00 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration





TIC: 120101331.D\data.ms

(6) CHLOROETHANE (TMCP)

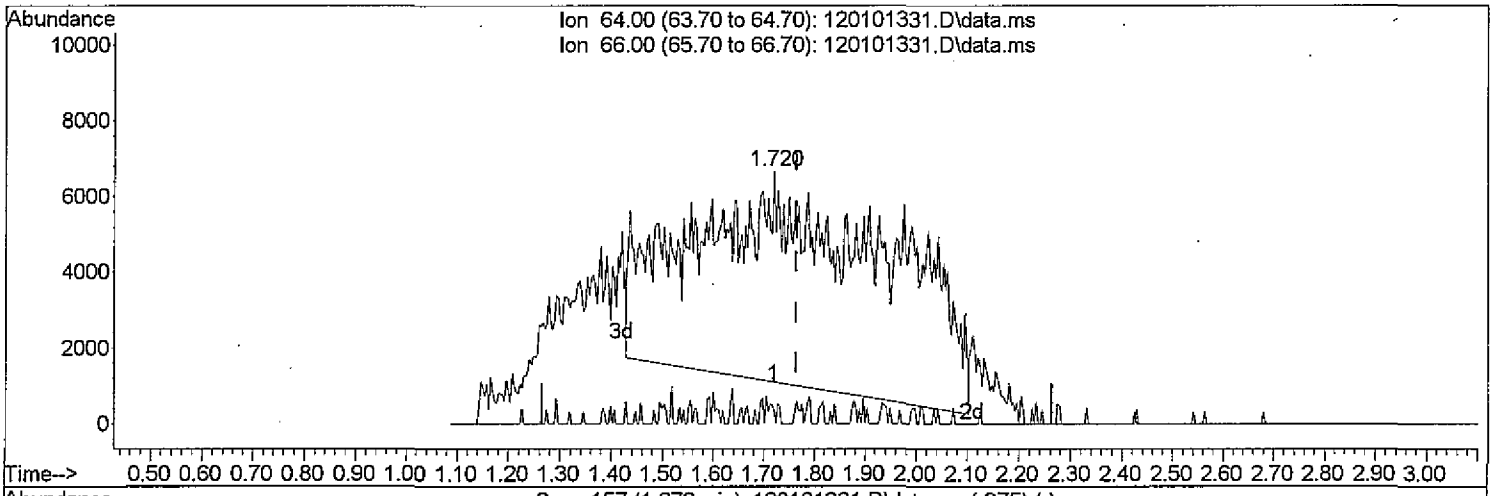
1.720min (-0.045) 5.59ug/L

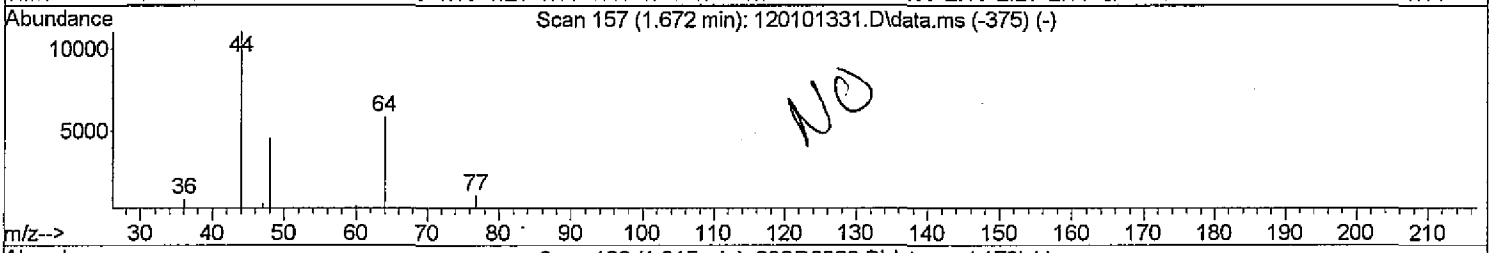
response 146472

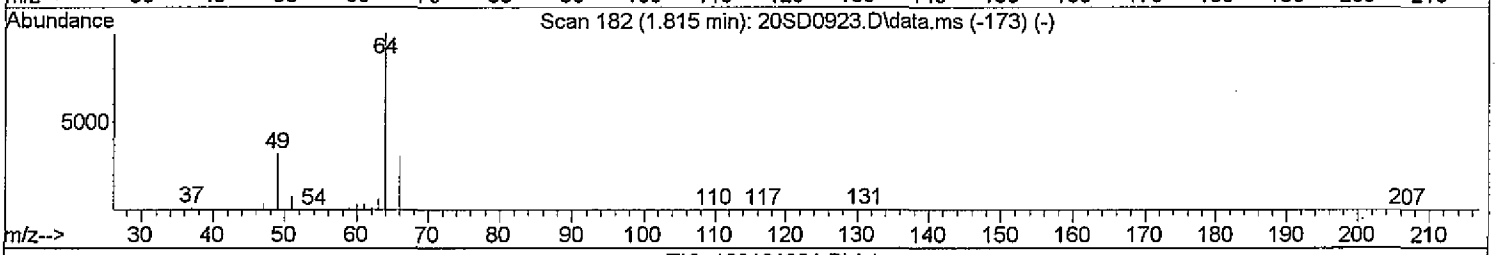
Ion	Exp%	Act%
64.00	100	100
66.00	31.20	0.38#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\data\01312012\
Data File : 120101331.D
Acq On : 31 Jan 2012 6:27 pm
Operator : SCW OBB-AG5975
Sample : HW24; L
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 01 09:16:00 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration







TIC: 120101331.D\data.ms

(6) CHLOROETHANE (TMCP)

1.720min (-0.045) 5.59ug/L

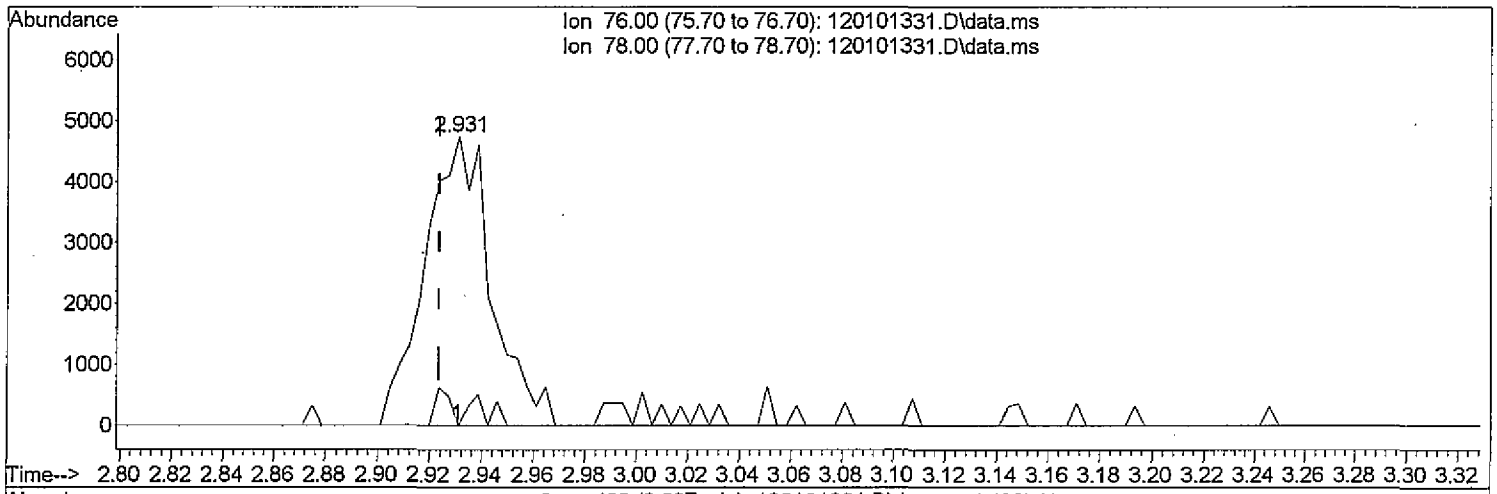
response 146472

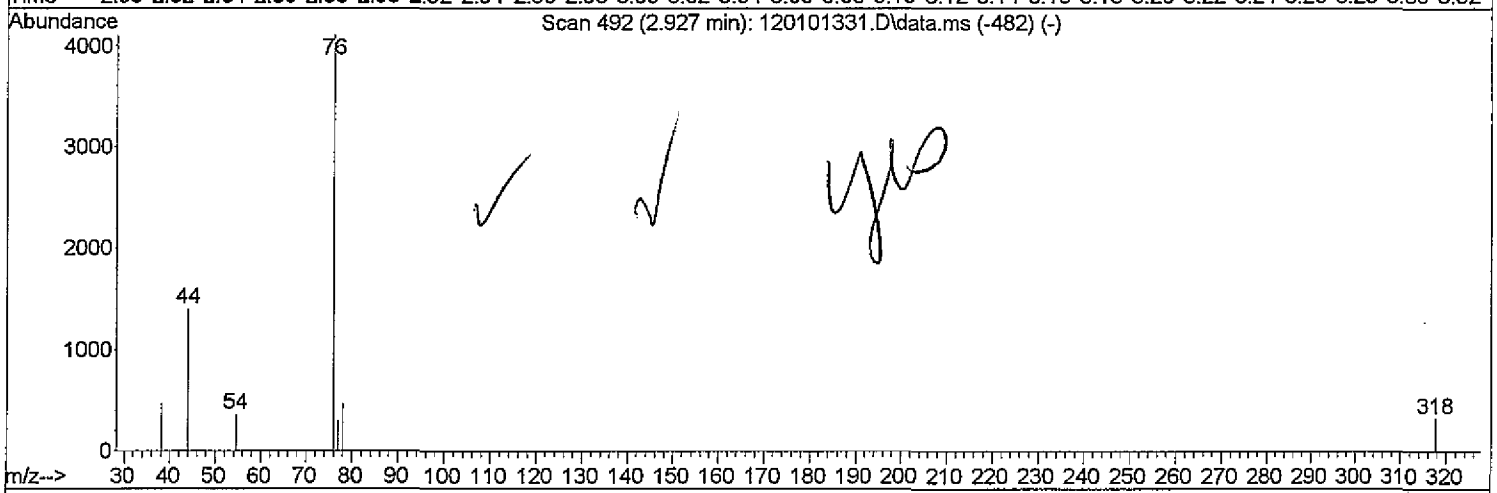
Ion	Exp%	Act%
64.00	100	100
66.00	31.20	0.38#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101331.D
Acq On : 31 Jan 2012 6:27 pm
Operator : SCW OBB-AG5975
Sample : HW24; L
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 01 09:16:00 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration





TIC: 120101331.D\data.ms

(13) CARBON DISULFIDE (TMCP)

2.931min (+0.007) 0.10ug/L

response 8380

Ion	Exp%	Act%
76.00	100	100
78.00	9.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101332.D
Acq On : 31 Jan 2012 6:56 pm
Operator : SCW OBB-AG5975
Sample : HW24P; L
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 01 09:30:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	431623	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	408713	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	174793	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	97996	4.24 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 106.00%	
42) TOLUENE-d8	8.472	98	533012	3.63 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 90.75%	
60) 4-BROMOFLUOROBENZENE	11.530	95	154880	3.68 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 92.00%	
Target Compounds					Qvalue
8) ACETONE	2.346	43	2449	0.66 ug/L # J	47
13) CARBON DISULFIDE	2.927	76	3997	0.05 ug/L # J	74

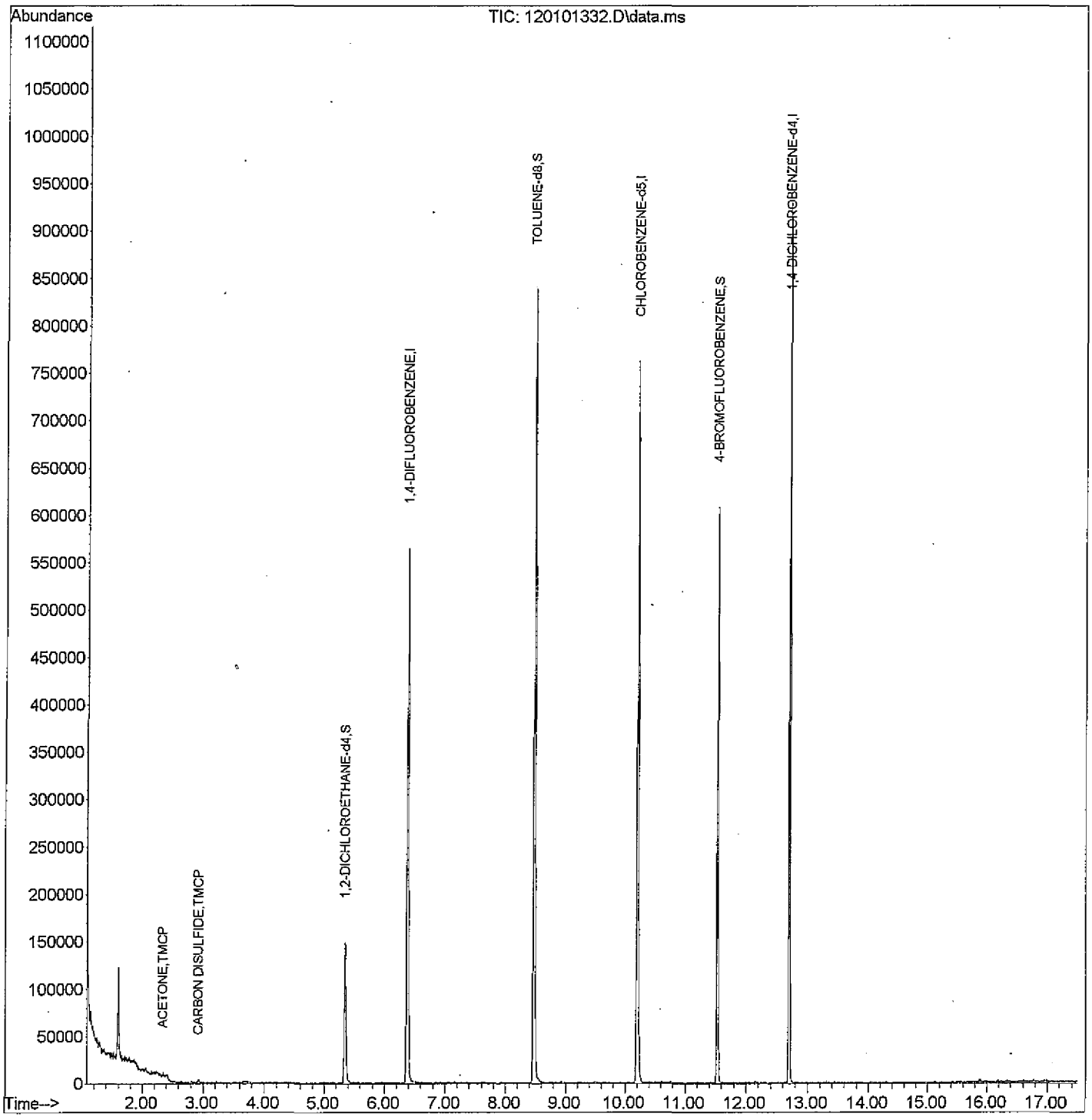
(#) = qualifier out of range (m) = manual integration (+) = signals summed

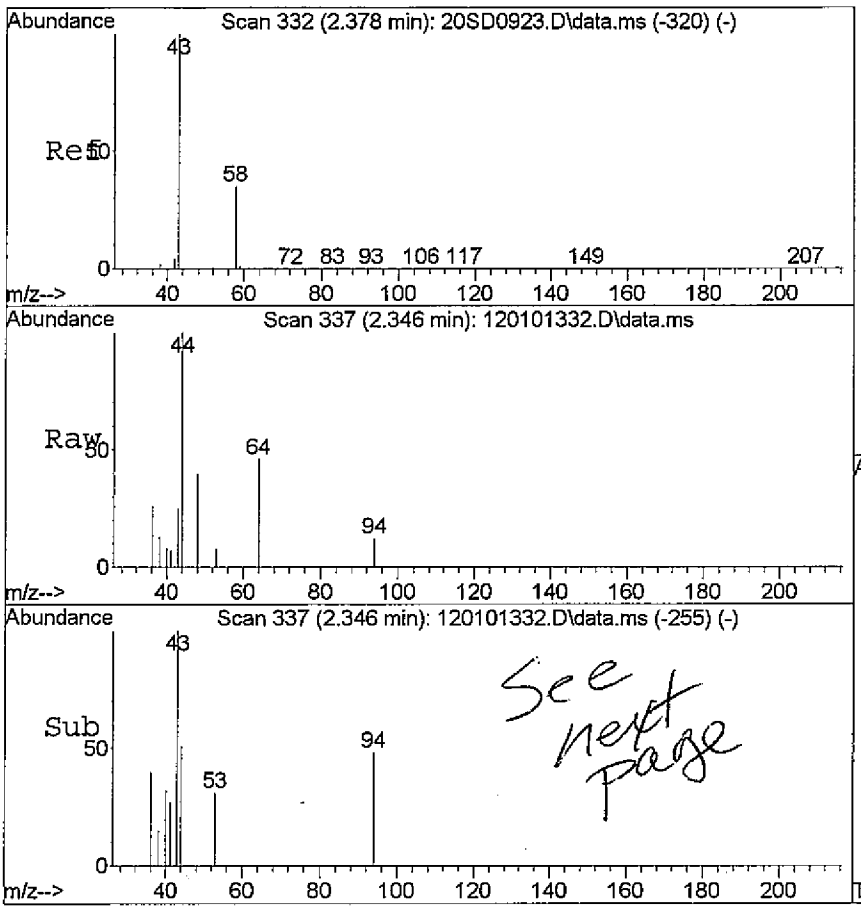
1 TIC

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101332.D
Acq On : 31 Jan 2012 6:56 pm
Operator : SCW OBB-AG5975
Sample : HW24P; L
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 01 09:30:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



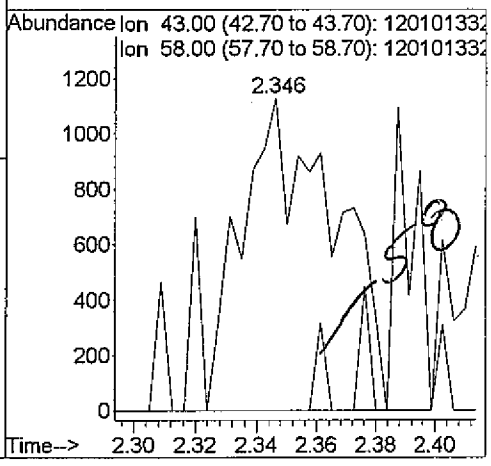


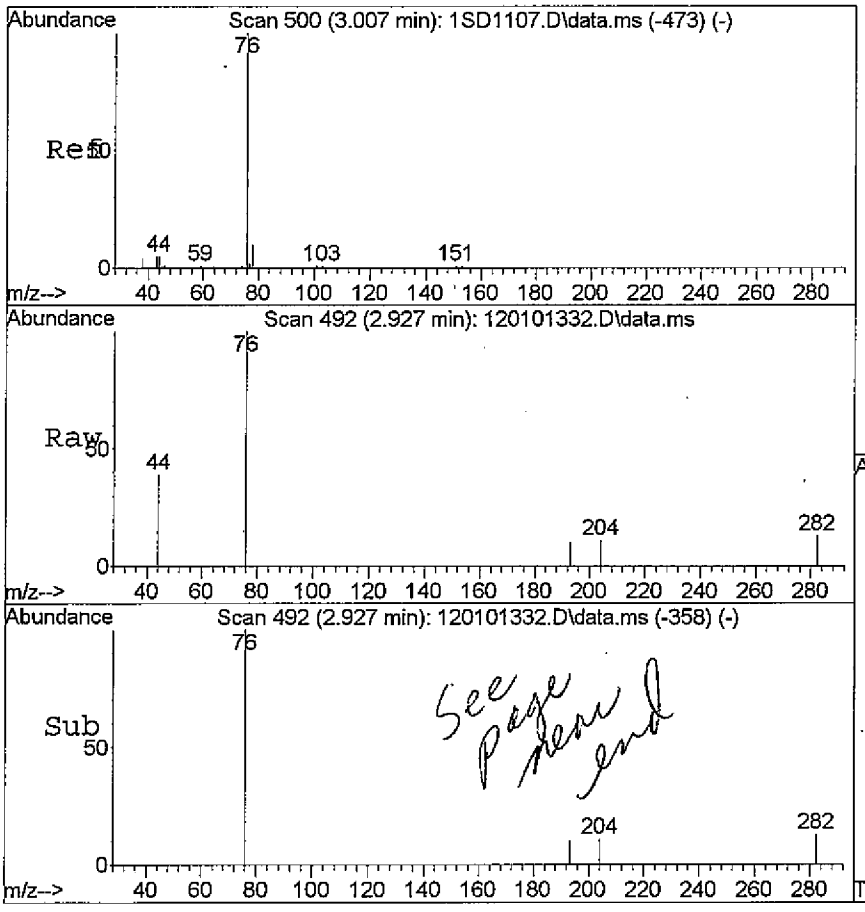
See next page

#8
ACETONE
Concen: 0.66 ug/L
RT: 2.346 min Scan# 337
Delta R.T. 0.007 min
Lab File: 120101332.D
Acq: 31 Jan 2012 6:56 pm

Tgt Ion: 43 Resp: 2449

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#



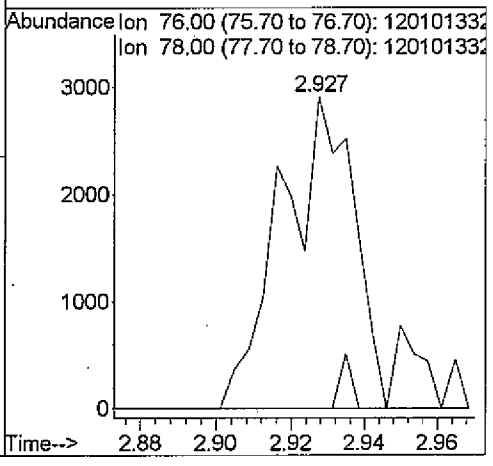


See page new end

#13
CARBON DISULFIDE
Concen: 0.05 ug/L
RT: 2.927 min Scan# 492
Delta R.T. 0.004 min
Lab File: 120101332.D
Acq: 31 Jan 2012 6:56 pm

Tgt Ion: 76 Resp: 3997

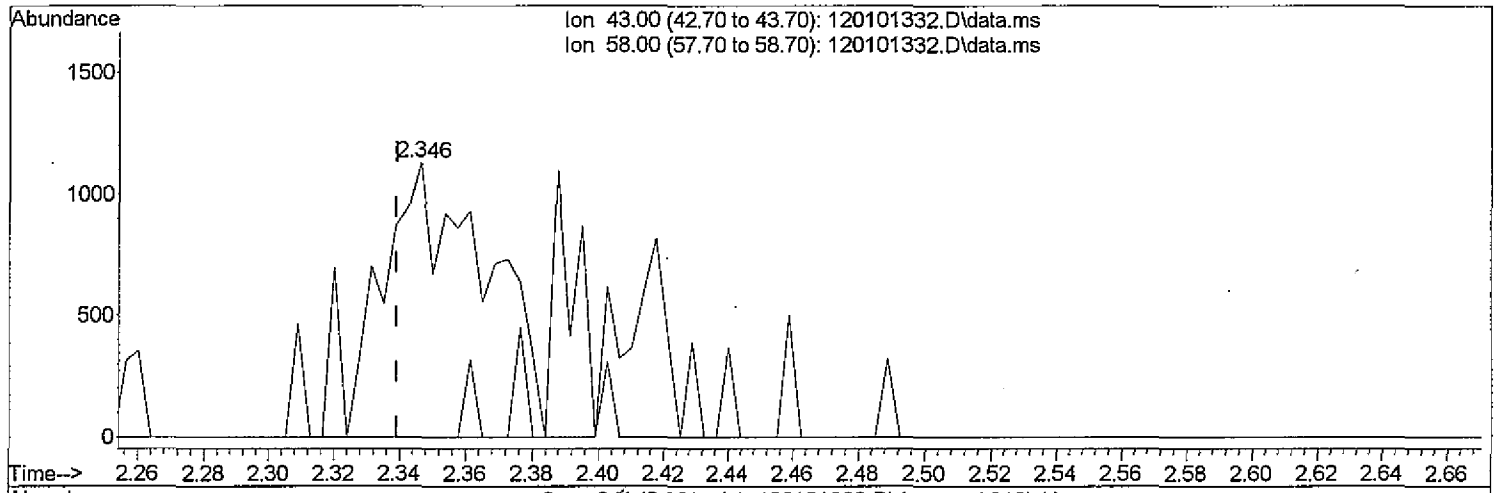
Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.7	11.5#

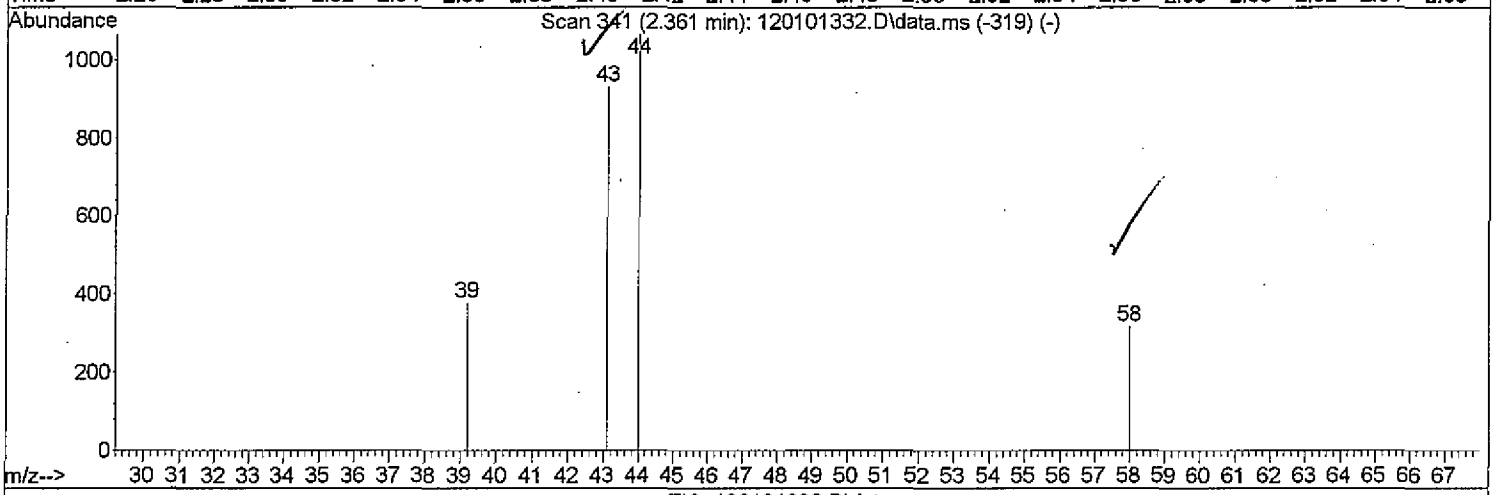


Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101332.D
Acq On : 31 Jan 2012 6:56 pm
Operator : SCW OBB-AG5975
Sample : HW24P; L
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 01 09:30:29 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration





TIC: 120101332.D\data.ms

(8) ACETONE (TMCP)

2.346min (+0.007) 0.66ug/L

response 2449

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

LSC Area Percent Report

Data Path : D:\data\01312012\
Data File : 120101332.D
Acq On : 31 Jan 2012 6:56 pm
Operator : SCW OBB-AG5975
Sample : HW24P; L
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.600	132	138	150	rVB	97061	128540	8.88%	2.110%
2	5.345	1127	1137	1156	rBV2	148822	288145	19.91%	4.730%
3	6.380	1399	1413	1435	rBV2	564989	1010582	69.82%	16.589%
4	8.472	1959	1971	1989	rBV	838141	1447481	100.00%	23.760%
5	10.200	2421	2432	2454	rBV	762215	1277328	88.24%	20.967%
6	11.530	2777	2787	2803	rBV	609562	798977	55.20%	13.115%
7	12.700	3088	3099	3120	rBV	930116	1140961	78.82%	18.729%

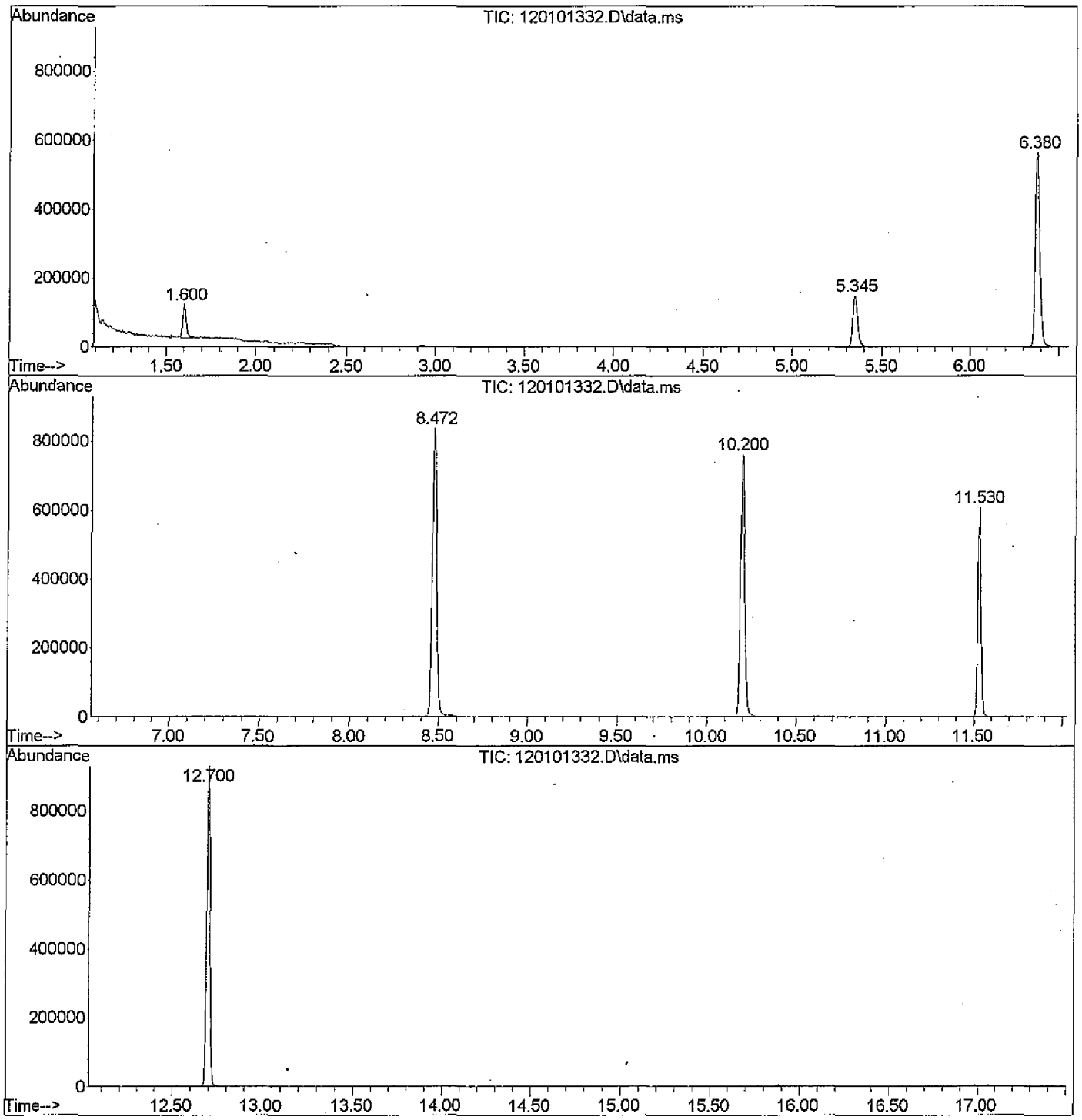
Sum of corrected areas: 6092014

LSC Report - Integrated Chromatogram

Data Path : D:\data\01312012\
Data File : 120101332.D
Acq On : 31 Jan 2012 6:56 pm
Operator : SCW OBB-AG5975
Sample : HW24P; L
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01312012\
Data File : 120101332.D
Acq On : 31 Jan 2012 6:56 pm
Operator : SCW OBB-AG5975
Sample : HW24P; L
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

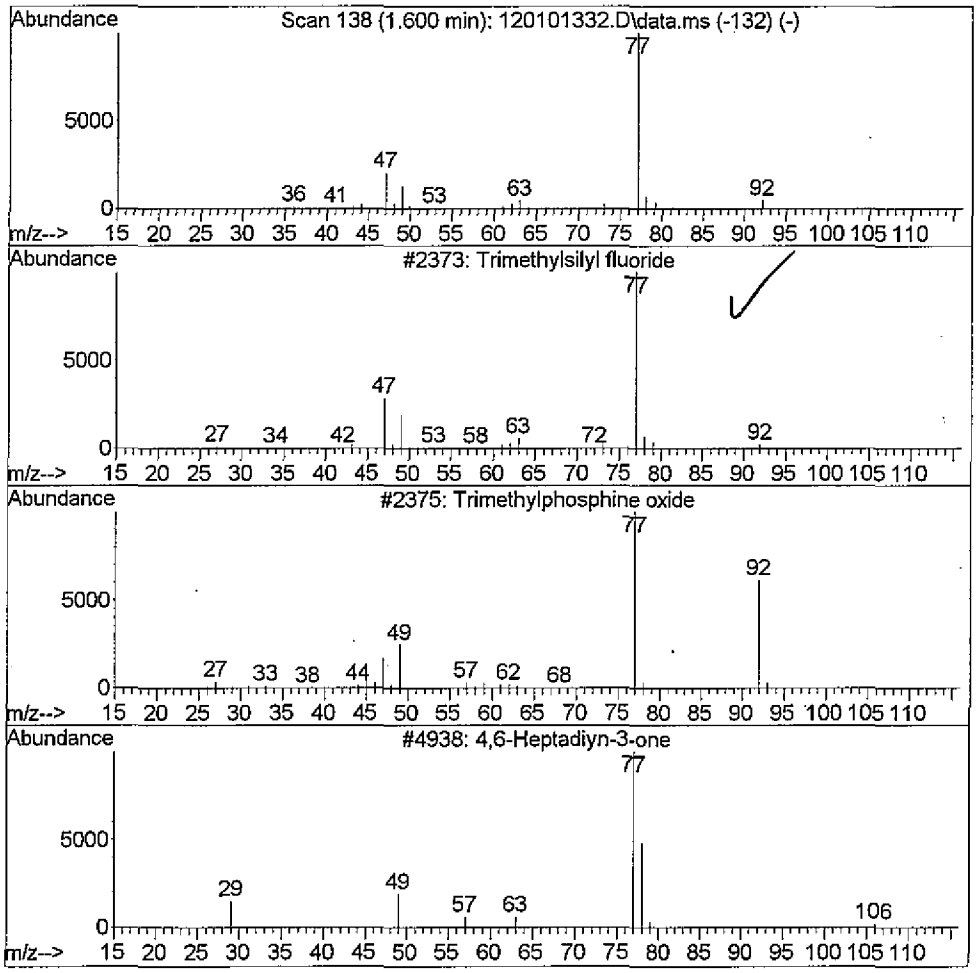
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

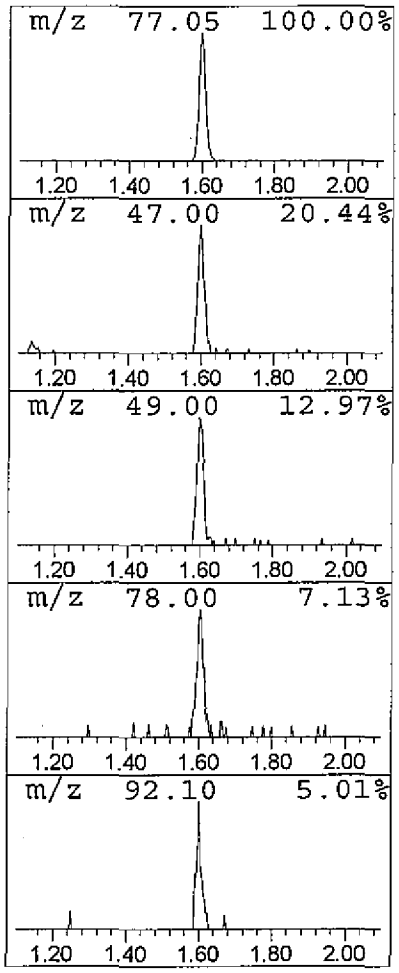
****

Peak Number 1 Trimethylsilyl fluoride Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.600	0.51 ug/L	128540	1,4-DIFLUOROBENZENE	6.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trimethylsilyl fluoride	92	C3H9FSi	000420-56-4	91
2	Trimethylphosphine oxide	92	C3H9OP	000676-96-0	25
3	4,6-Heptadiyn-3-one	106	C7H6O	029743-27-9	4
4	Dimethoxyamine	77	C2H7NO2	007487-32-3	3
5	Propane, 2-chloro-2-nitro-	123	C3H6ClNO2	000594-71-8	2





Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01312012\
Data File : 120101332.D
Acq On : 31 Jan 2012 6:56 pm
Operator : SCW OBB-AG5975
Sample : HW24P; L
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

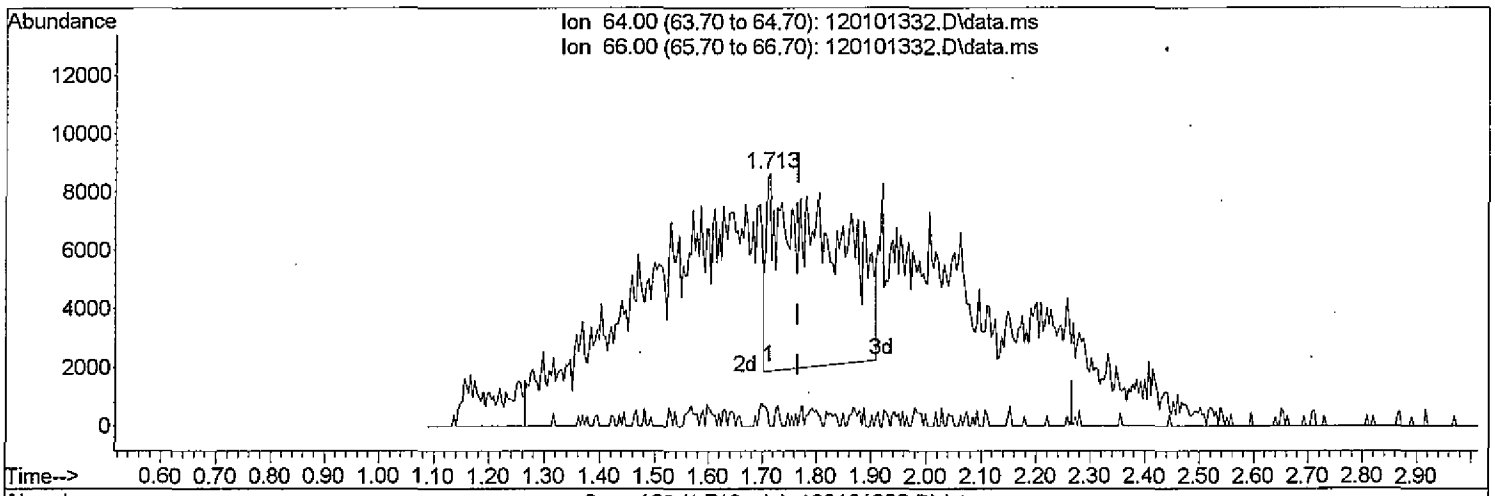
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

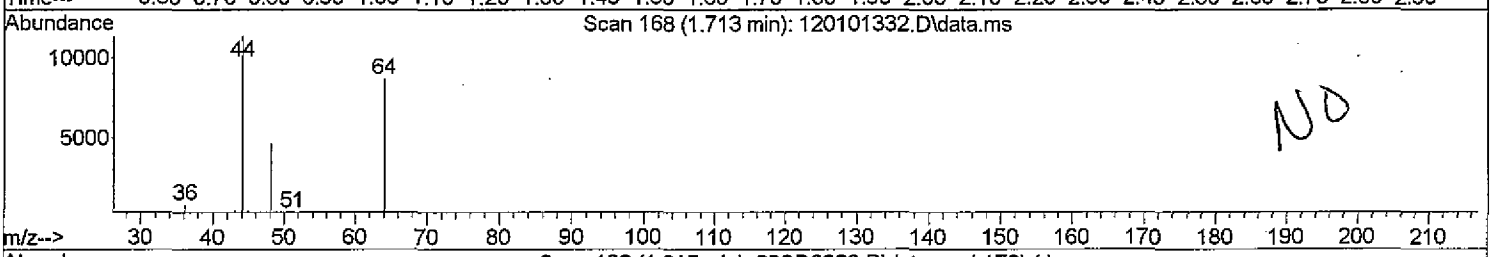
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Trimethylsilyl ...	1.600	0.5	ug/L	128540	1	6.380	1010580	4.0

Quantitation Report (Qedit)

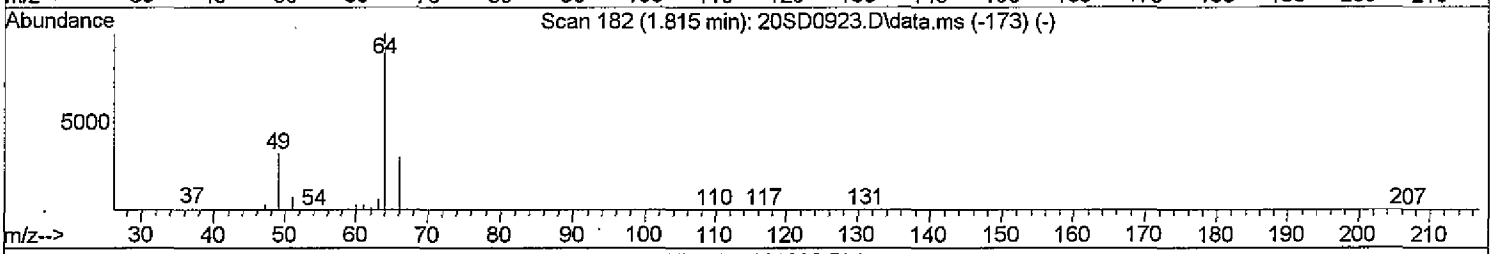
Data Path : D:\data\01312012\
Data File : 120101332.D
Acq On : 31 Jan 2012 6:56 pm
Operator : SCW OBB-AG5975
Sample : HW24P; L
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 01 09:16:20 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration





ND



TIC: 120101332.D\data.ms

(6) CHLOROETHANE (TMCP)

1.713min (-0.053) 2.08ug/L

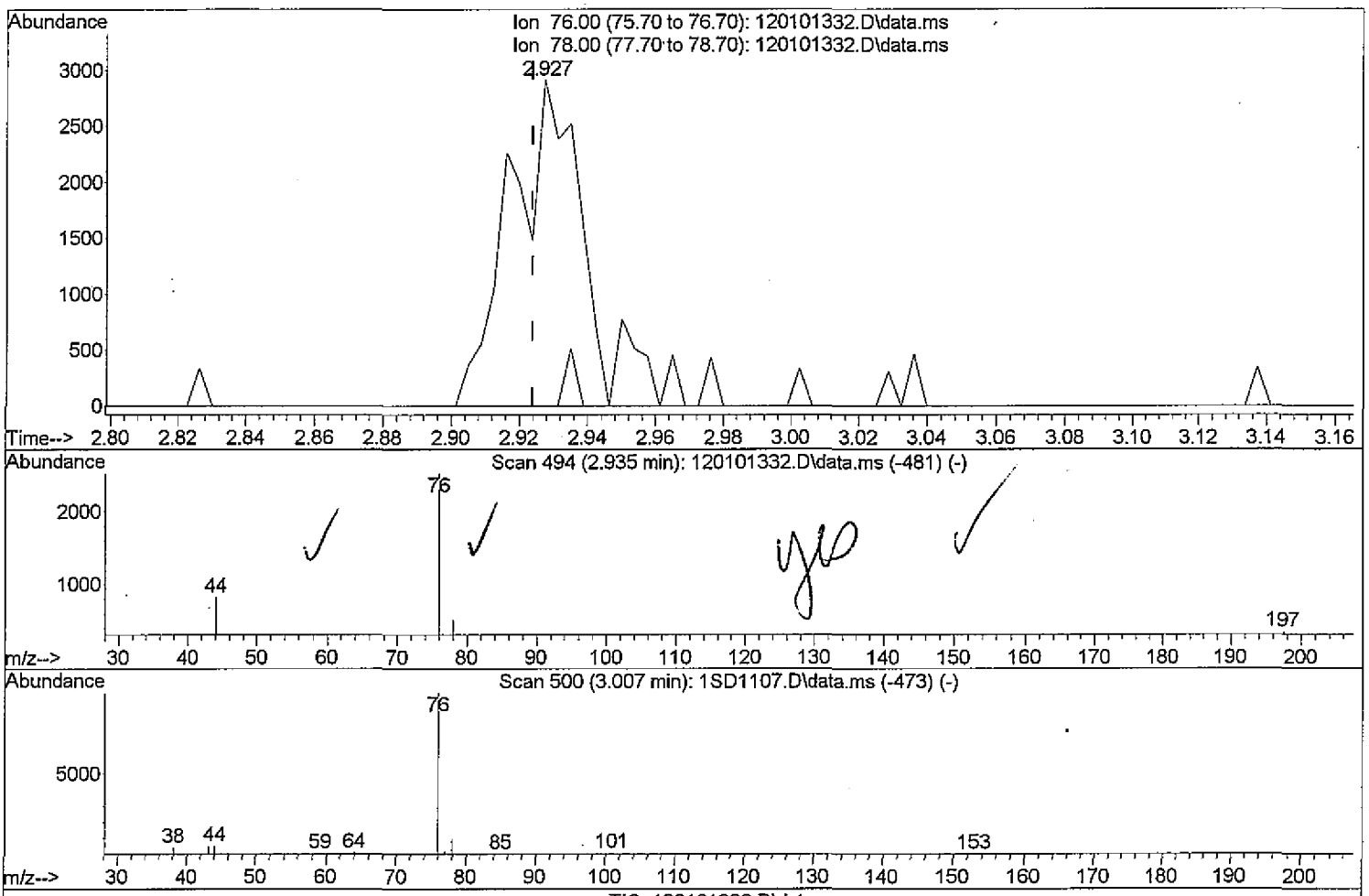
response 54174

Ion	Exp%	Act%
64.00	100	100
66.00	31.20	1.47#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101332.D
Acq On : 31 Jan 2012 6:56 pm
Operator : SCW OBB-AG5975
Sample : HW24P; L
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 01 09:16:20 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



(13) CARBON DISULFIDE (TMCP)

2.927min (+0.004) 0.05ug/L

response 3997

Ion	Exp%	Act%
76.00	100	100
78.00	9.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT/LSC Reviewed)

Data Path : D:\data\01312012\
Data File : 120101333.D
Acq On : 31 Jan 2012 7:24 pm
Operator : SCW OBB-AG5975
Sample : HW12; L
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 03 13:46:02 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	424877	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	411954	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	180416	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.342	65	100745	4.43 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 110.75%		
42) TOLUENE-d8	8.475	98	532207	3.59 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 89.75%		
60) 4-BROMOFLUOROBENZENE	11.531	95	164274	3.78 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 94.50%		
Target Compounds					Qvalue
3) CHLOROMETHANE	1.308	50	25405	0.59 ug/L	93
6) CHLOROETHANE	1.773	64	5379m	0.21 ug/L J	
8) ACETONE	2.320	43	6607	1.82 ug/L #J,B	47

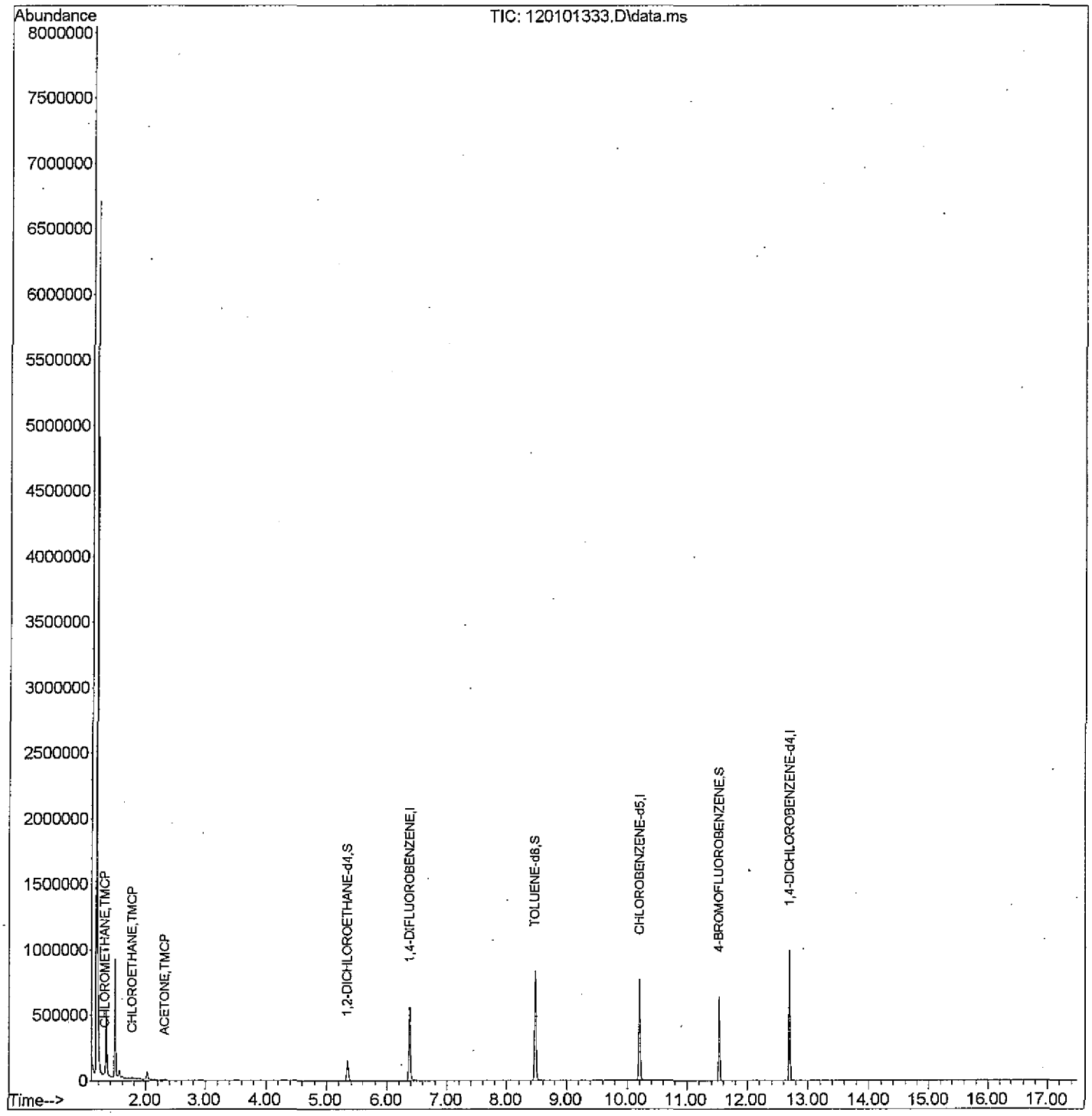
(#) = qualifier out of range (m) = manual integration (+) = signals summed

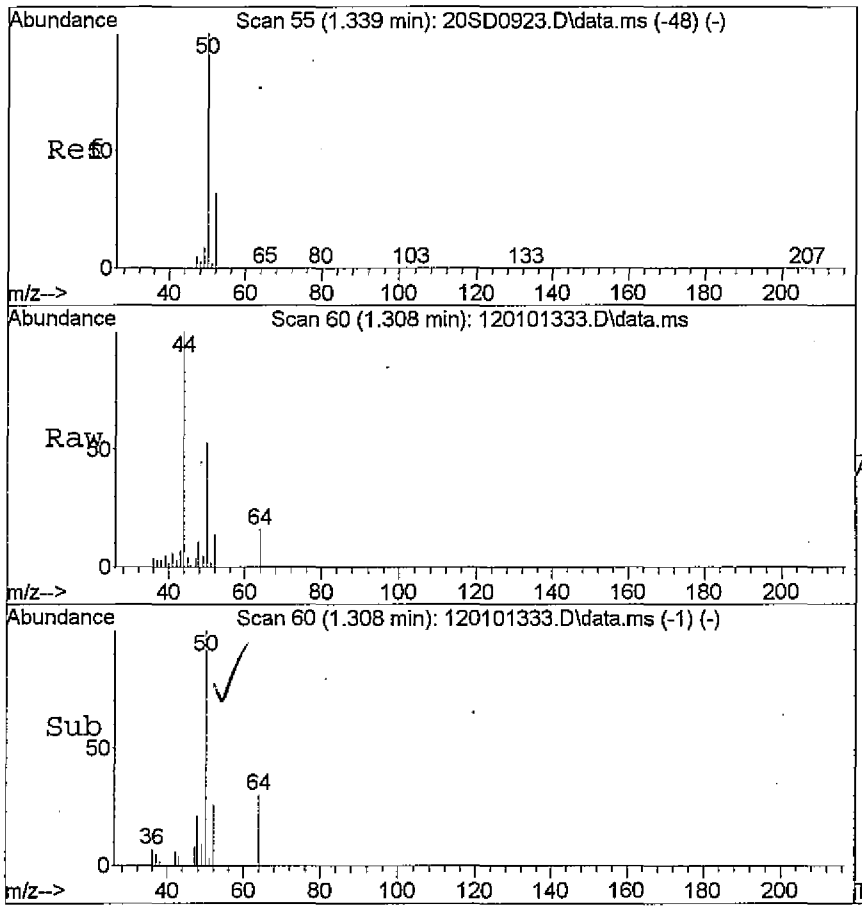
TICs

Quantitation Report (QT/LSC Reviewed)

Data Path : D:\data\01312012\
Data File : 120101333.D
Acq On : 31 Jan 2012 7:24 pm
Operator : SCW OBB-AG5975
Sample : HW12; L
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 03 13:46:02 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

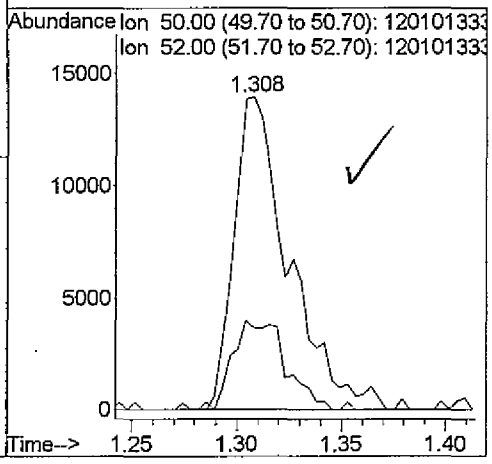


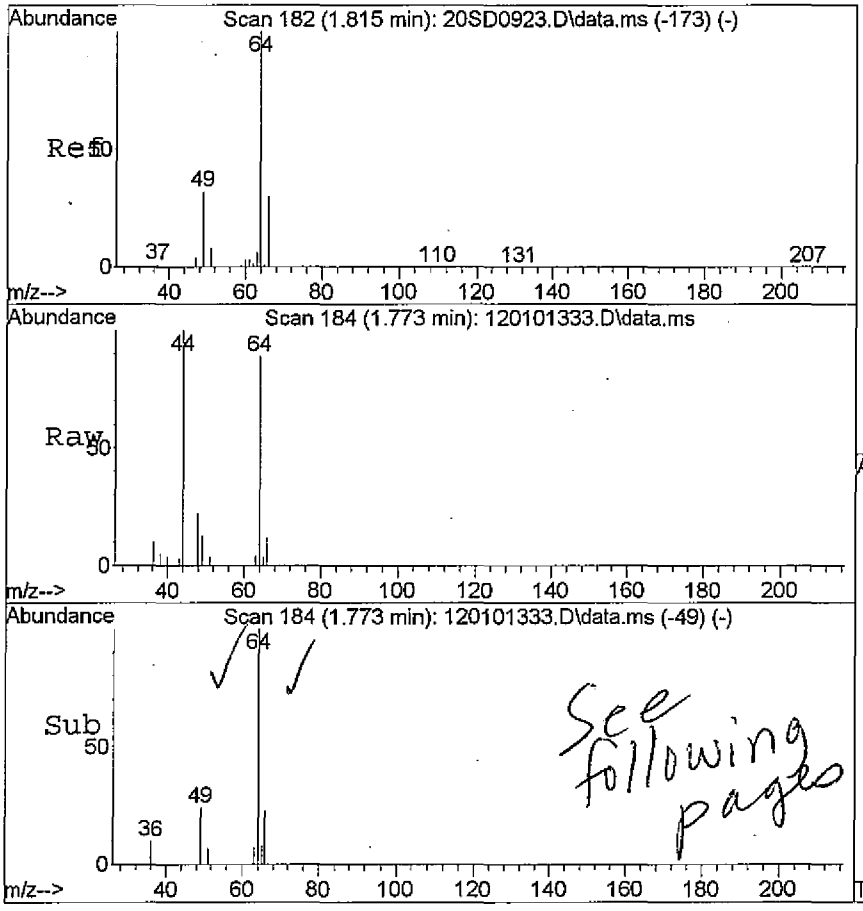


#3
CHLOROMETHANE
Concen: 0.59 ug/L
RT: 1.308 min Scan# 60
Delta R.T. 0.004 min
Lab File: 120101333.D
Acq: 31 Jan 2012 7:24 pm

Tgt Ion: 50 Resp: 25405

Ion	Ratio	Lower	Upper
50	100		
52	27.6	25.0	37.4

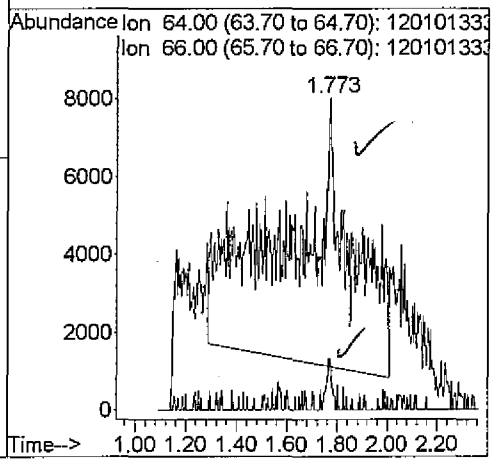




#6
CHLOROETHANE
Concen: 4.80 ug/L
RT: 1.773 min Scan# 184
Delta R.T. 0.007 min
Lab File: 120101333.D
Acq: 31 Jan 2012 7:24 pm

Tgt Ion: 64 Resp: 122908

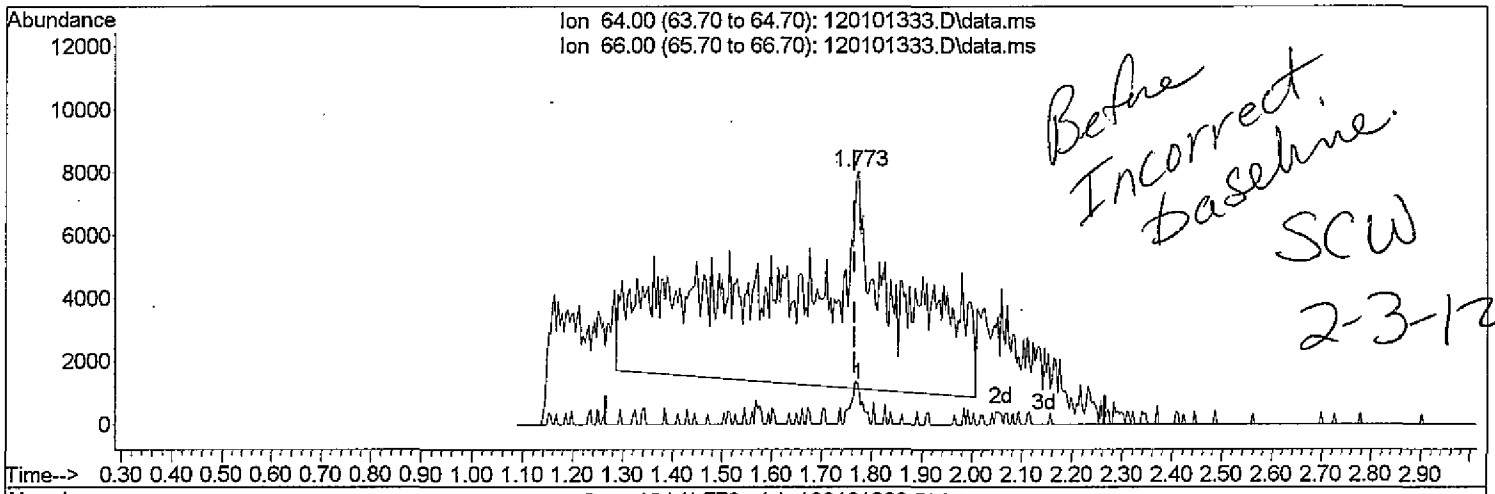
Ion	Ratio	Lower	Upper
64	100		
66	1.7	25.0	37.4#



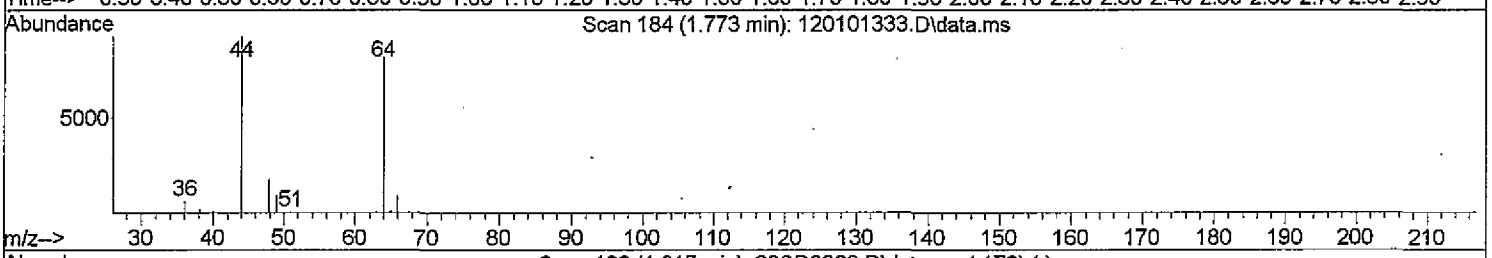
Quantitation Report (Qedit)

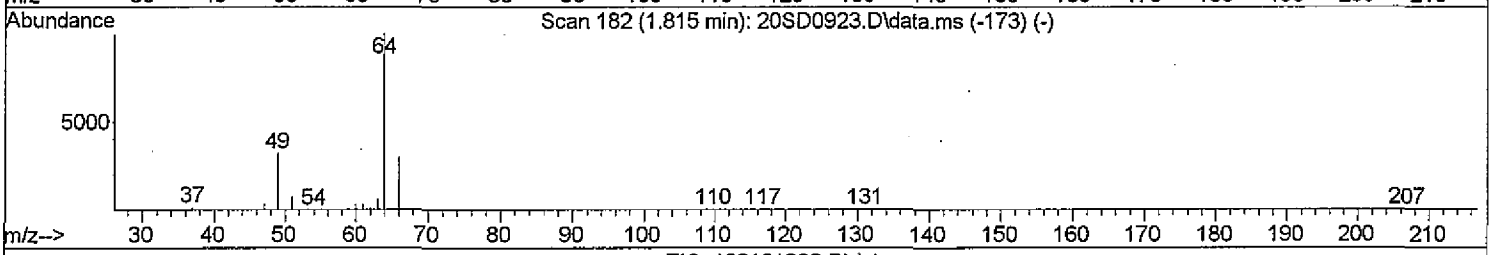
Data Path : D:\data\01312012\
Data File : 120101333.D
Acq On : 31 Jan 2012 7:24 pm
Operator : SCW OBB-AG5975
Sample : HW12; L
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 01 09:33:19 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



Before Incorrect baseline. SCW 2-3-12





TIC: 120101333.D\data.ms

(6) CHLOROETHANE (TMCP)

1.773min (+0.007) 4.80ug/L

response 122908

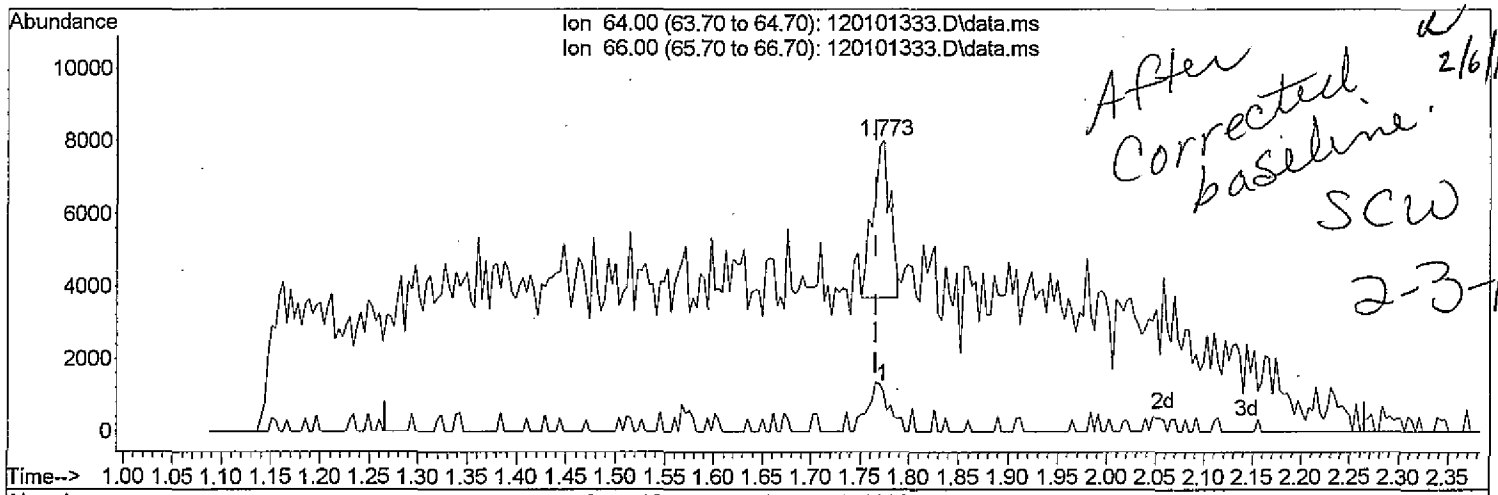
Ion	Exp%	Act%
64.00	100	100
66.00	31.20	1.66#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

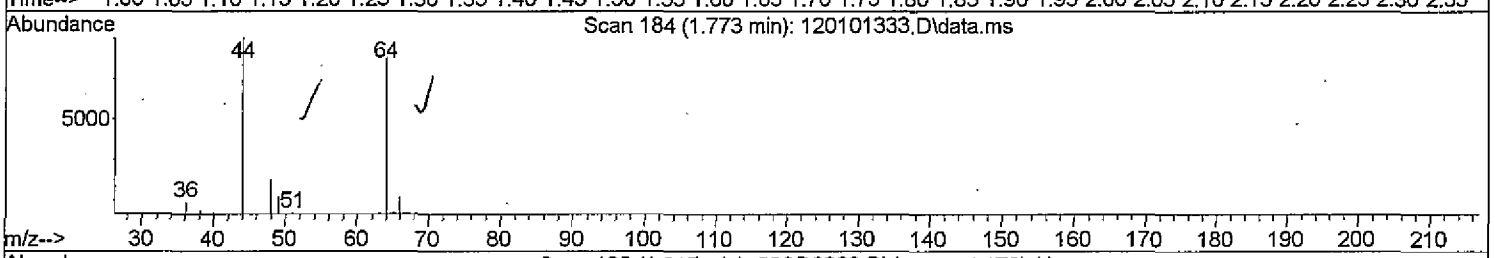
Data Path : D:\data\01312012\
Data File : 120101333.D
Acq On : 31 Jan 2012 7:24 pm
Operator : SCW OBB-AG5975
Sample : HW12; L
Misc :
ALS Vial : 10 Sample Multiplier: 1

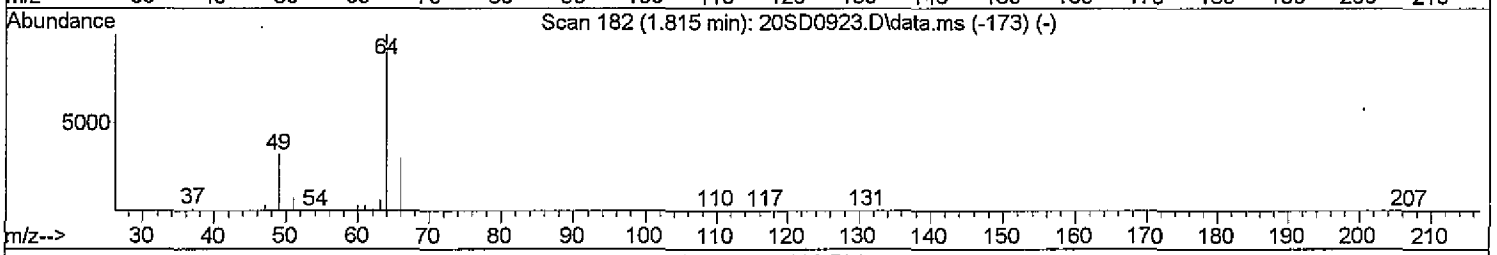
Quant Time: Feb 01 09:33:19 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

OK 2/6/12



After Corrected baseline. SCW 2-3-12





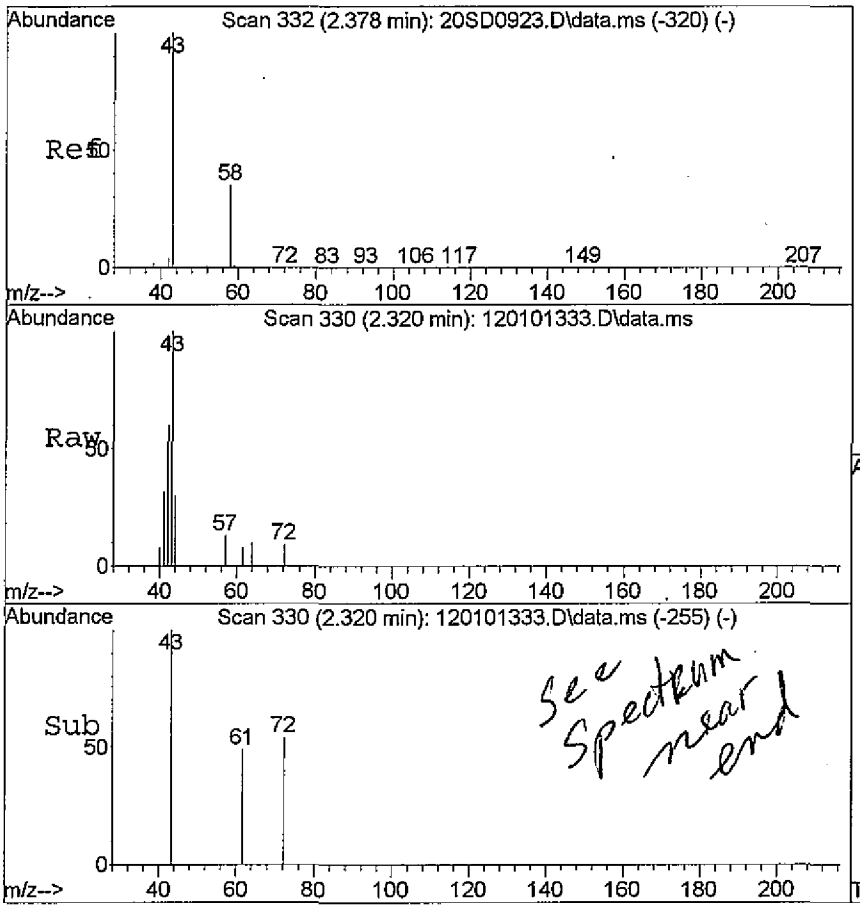
TIC: 120101333.D\data.ms

(6) CHLOROETHANE (TMCP)

1.773min (+0.007) 0.21ug/L m

response 5379

Ion	Exp%	Act%
64.00	100	100
66.00	31.20	37.93#
0.00	0.00	0.00
0.00	0.00	0.00

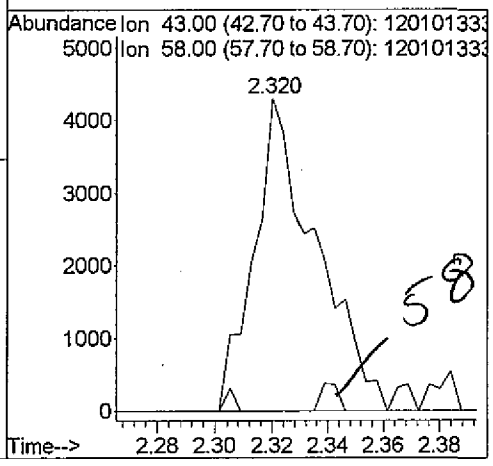


See Spectrum near end

#8
ACETONE
Concen: 1.82 ug/L
RT: 2.320 min Scan# 330
Delta R.T. -0.019 min
Lab File: 120101333.D
Acq: 31 Jan 2012 7:24 pm

Tgt Ion: 43 Resp: 6607

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#



LSC Area Percent Report

Data Path : D:\data\01312012\
Data File : 120101333.D
Acq On : 31 Jan 2012 7:24 pm
Operator : SCW OBB-AG5975
Sample : HW12; L
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.169	16	23	50	rVB	6660084	7695971	100.00%	49.775%
2	1.334	61	67	91	rVB	516197	638895	8.30%	4.132%
3	1.477	98	105	119	rBV	902250	1018548	13.23%	6.588%
4	2.020	241	250	260	rBV3	60378	95604	1.24%	0.618%
5	5.342	1126	1136	1157	rBV2	153340	289220	3.76%	1.871%
6	6.380	1399	1413	1433	rBV	564662	997291	12.96%	6.450%
7	8.472	1958	1971	1990	rBV	834283	1444870	18.77%	9.345%
8	10.200	2420	2432	2454	rBV2	776038	1290219	16.76%	8.345%
9	11.531	2777	2787	2799	rBV	644767	821631	10.68%	5.314%
10	12.700	3088	3099	3110	rBV	996469	1169346	15.19%	7.563%

Sum of corrected areas: 15461595

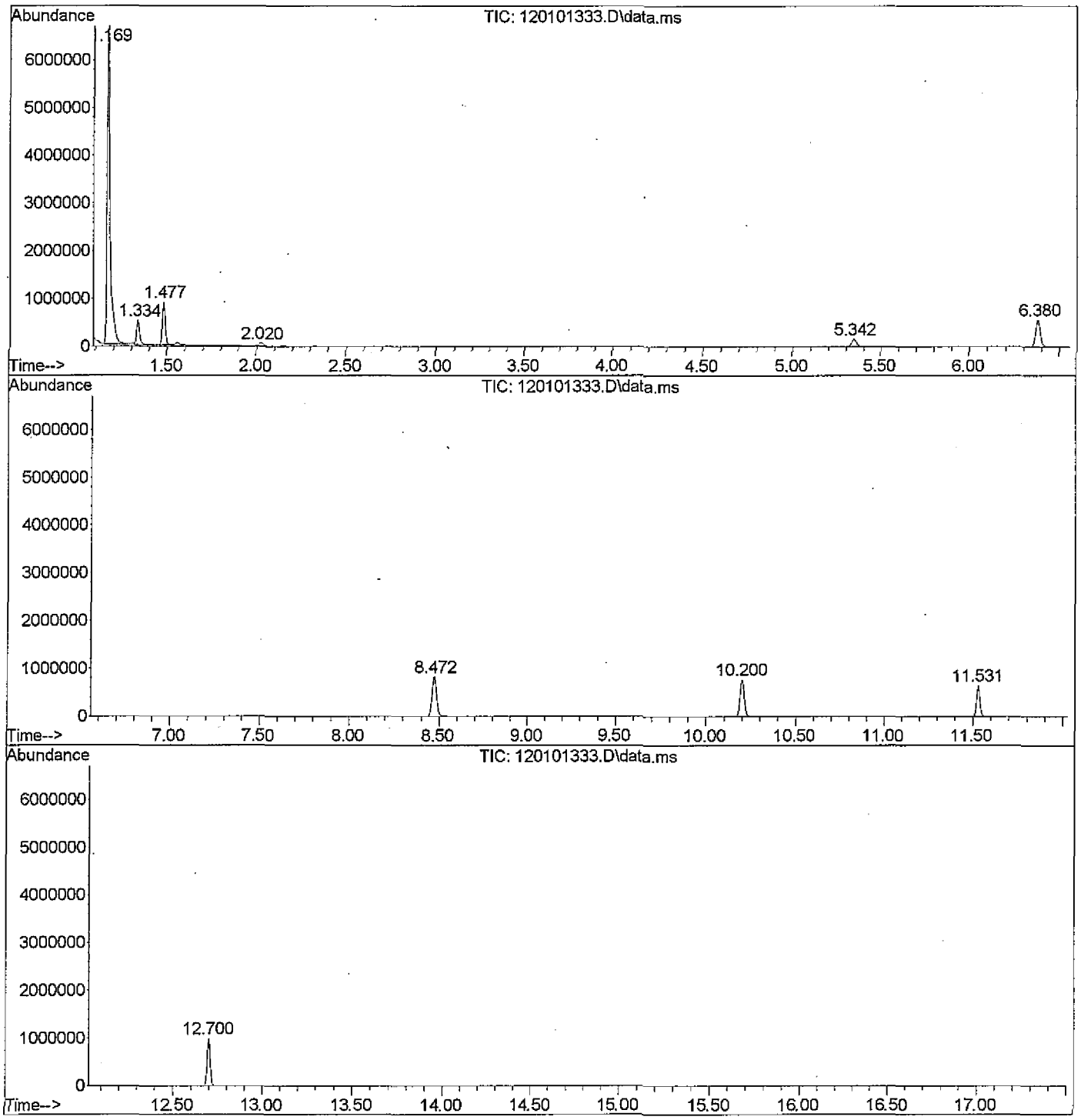
DIM0218843 DIM0219445

LSC Report - Integrated Chromatogram

Data Path : D:\data\01312012\
Data File : 120101333.D
Acq On : 31 Jan 2012 7:24 pm
Operator : SCW OBB-AG5975
Sample : HW12; L
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01312012\
Data File : 120101333.D
Acq On : 31 Jan 2012 7:24 pm
Operator : SCW OBB-AG5975
Sample : HW12; L
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

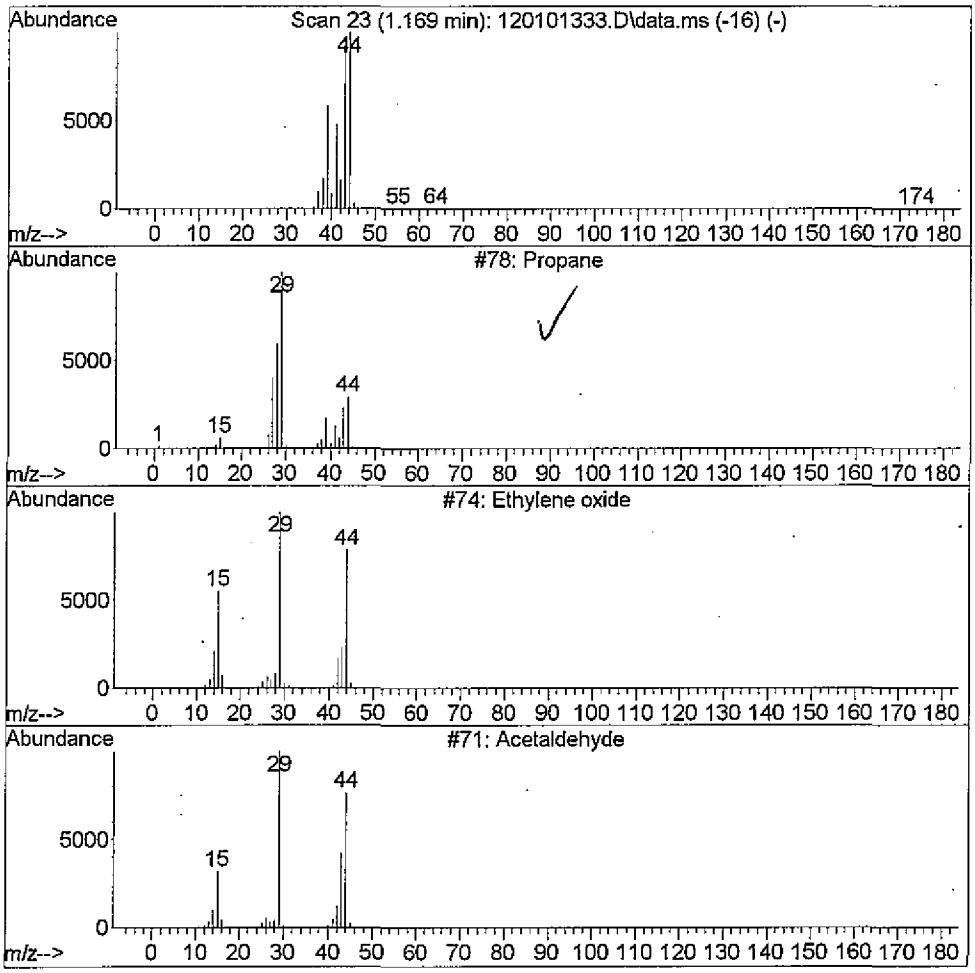
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

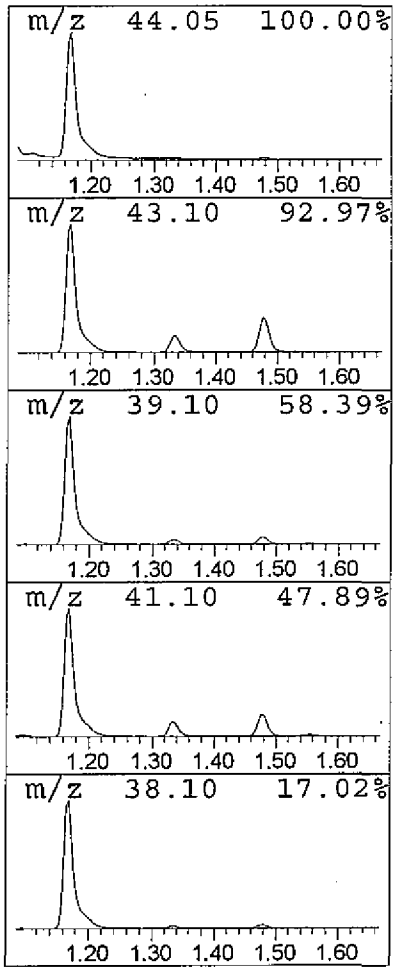
****

Peak Number 1 Propane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.169	30.87 ug/L	7695970	1,4-DIFLUOROBENZENE	6.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	83
2	Ethylene oxide	44	C2H4O	000075-21-8	5
3	Acetaldehyde	44	C2H4O	000075-07-0	5
4	Ethyne, fluoro-	44	C2HF	002713-09-9	3
5	Cyclopropene	40	C3H4	002781-85-3	2





Library Search Compound Report

Data Path : D:\data\01312012\
Data File : 120101333.D
Acq On : 31 Jan 2012 7:24 pm
Operator : SCW OBB-AG5975
Sample : HW12; L
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

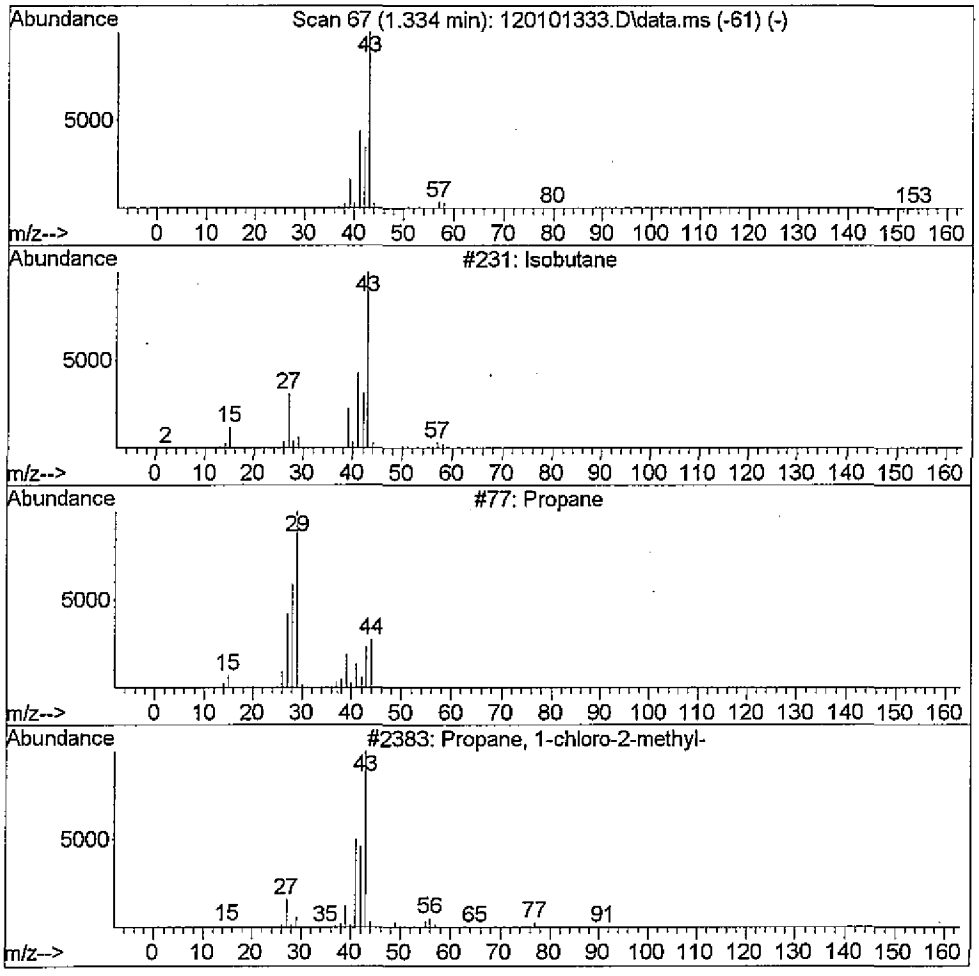
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

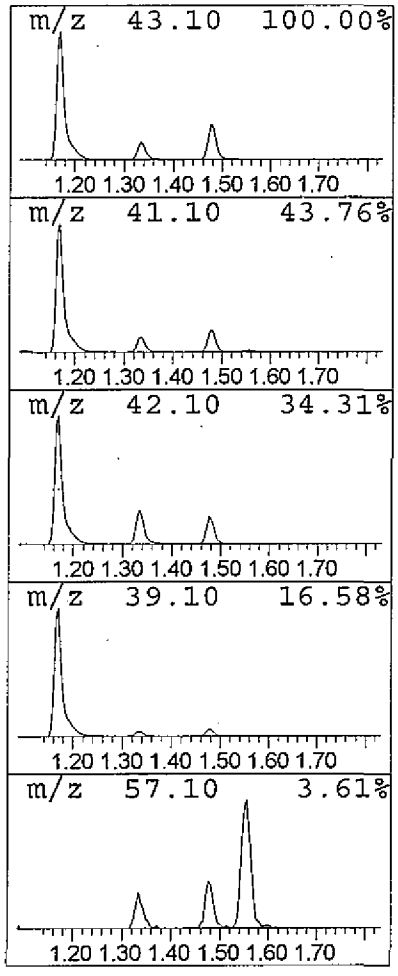
****

Peak Number 3 Isobutane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.334	2.56 ug/L	638895	1,4-DIFLUOROBENZENE	6.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	59
2	Propane	44	C3H8	000074-98-6	4
3	Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	4
4	Oxirane, trimethyl-	86	C5H10O	005076-19-7	4
5	Cyclobutylamine	71	C4H9N	002516-34-9	4





Library Search Compound Report

Data Path : D:\data\01312012\
Data File : 120101333.D
Acq On : 31 Jan 2012 7:24 pm
Operator : SCW OBB-AG5975
Sample : HW12; L
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

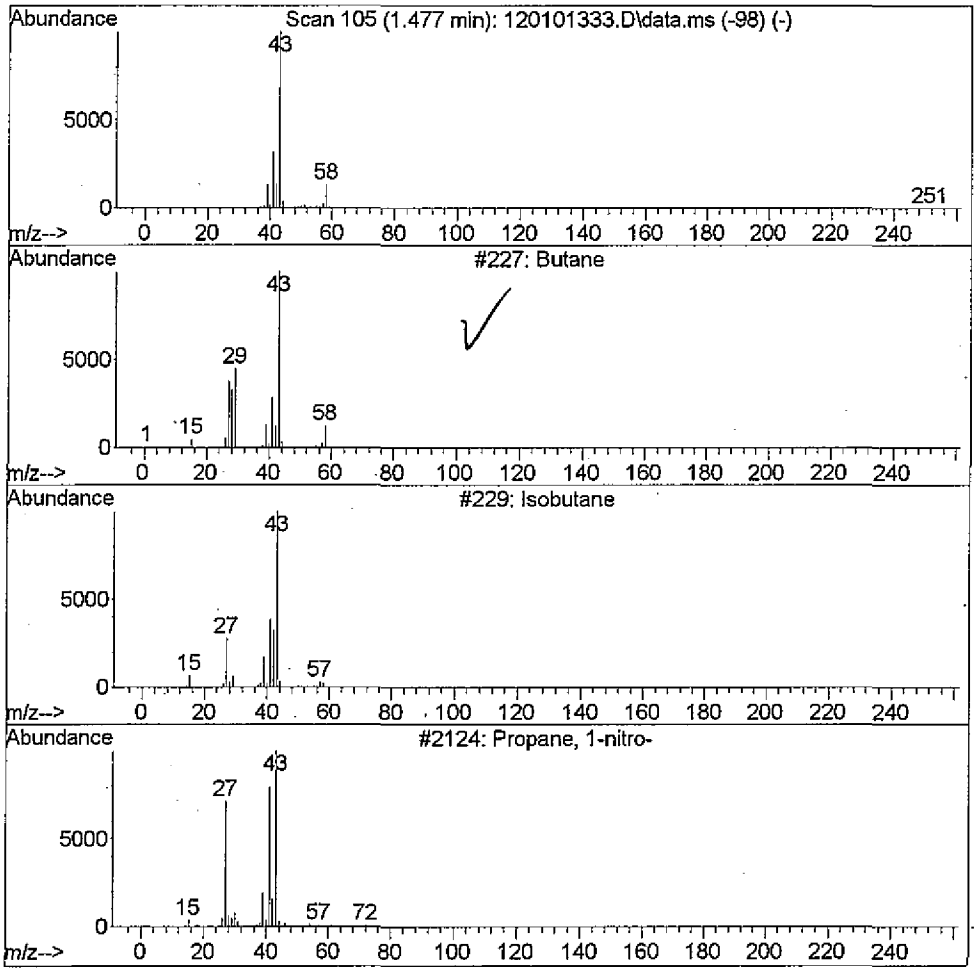
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

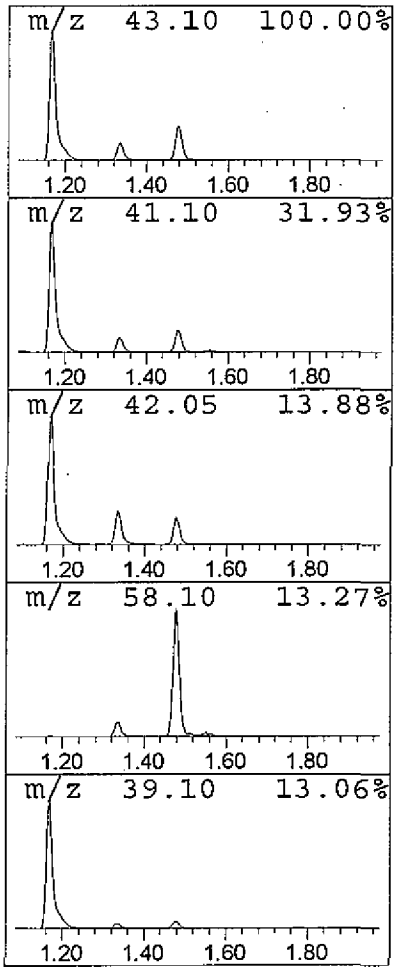
****

Peak Number 2 Butane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.477	4.09 ug/L	1018550	1,4-DIFLUOROBENZENE	6.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	72
2	Isobutane	58	C4H10	000075-28-5	9
3	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9
4	Diazene, dimethyl-	58	C2H6N2	000503-28-6	5
5	Hydrogen azide	43	HN3	007782-79-8	4





Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01312012\
Data File : 120101333.D
Acq On : 31 Jan 2012 7:24 pm
Operator : SCW OBB-AG5975
Sample : HW12; L
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

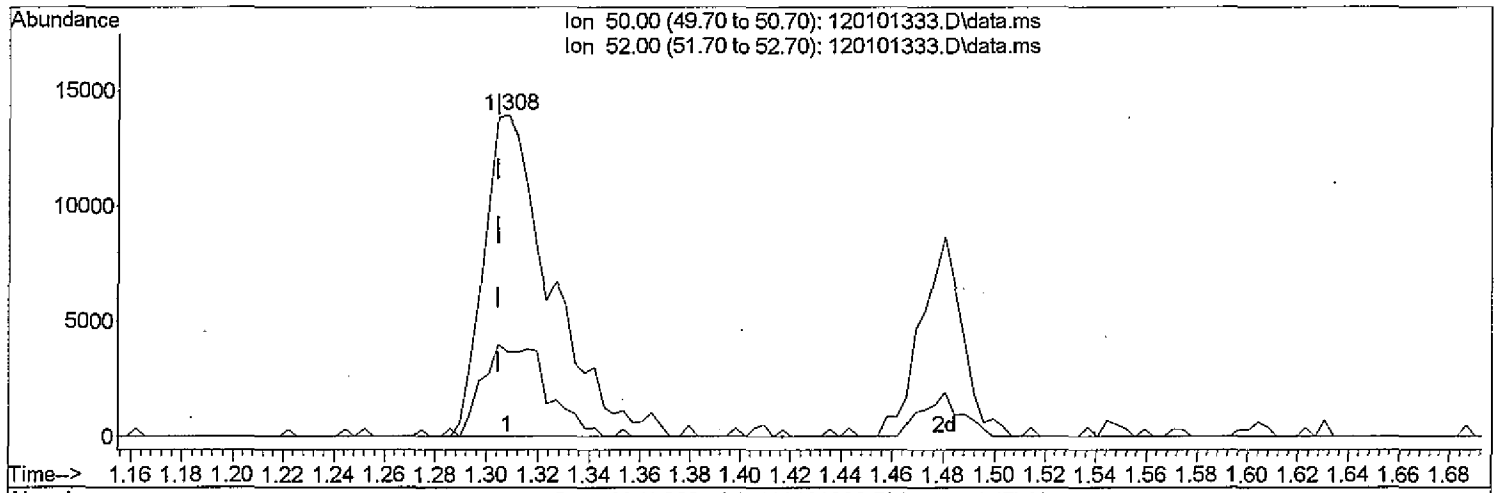
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

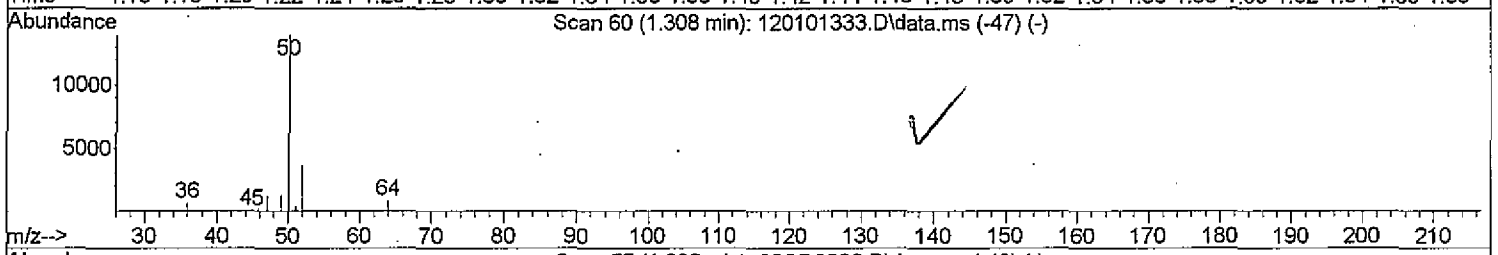
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Propane	1.169	30.9	ug/L	7695970	1	6.380	997291	4.0
Butane	1.477	4.1	ug/L	1018550	1	6.380	997291	4.0
Isobutane	1.334	2.6	ug/L	638895	1	6.380	997291	4.0

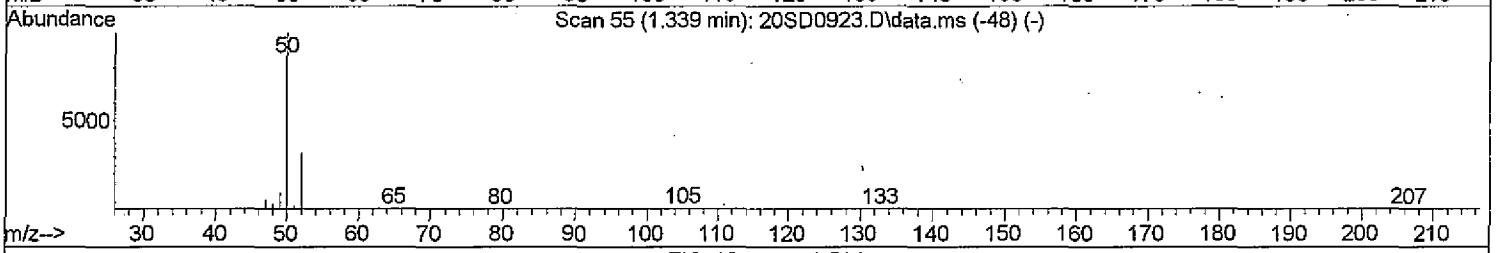
Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101333.D
Acq On : 31 Jan 2012 7:24 pm
Operator : SCW OBB-AG5975
Sample : HW12; L
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 01 09:16:32 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration







TIC: 120101333.D\data.ms

(3) CHLOROMETHANE (TMCP)

1.308min (+0.004) 0.59ug/L

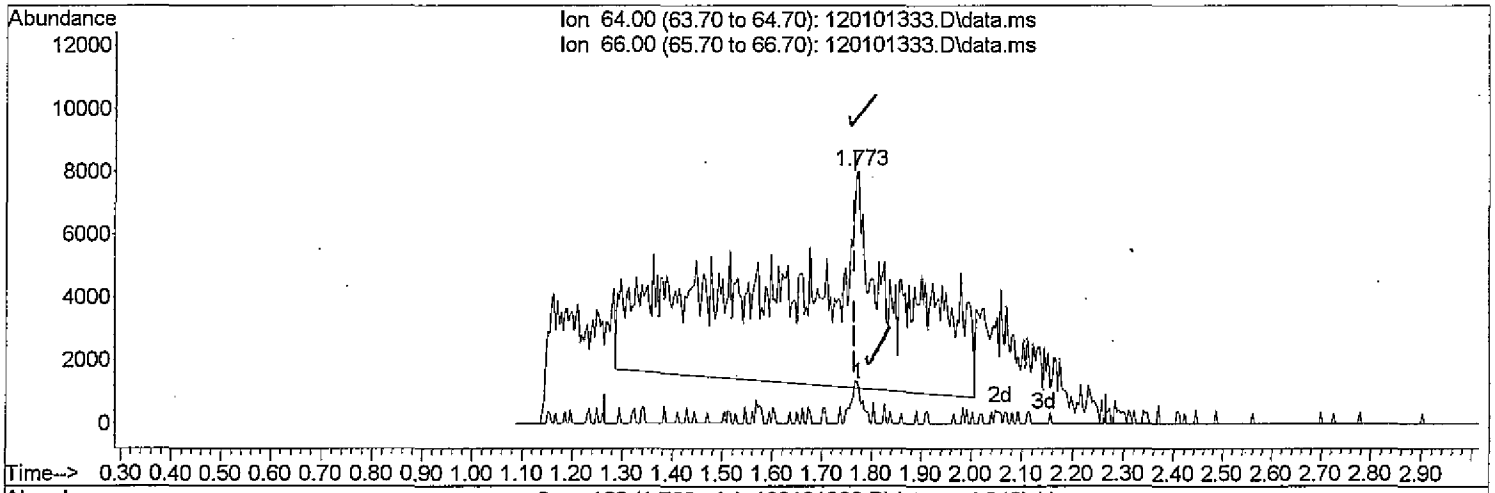
response 25405

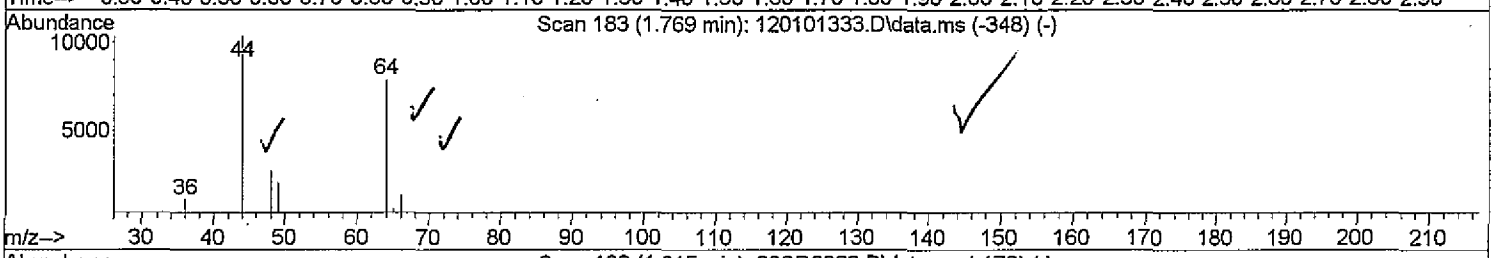
Ion	Exp%	Act%
50.00	100	100
52.00	31.20	27.59
0.00	0.00	0.00
0.00	0.00	0.00

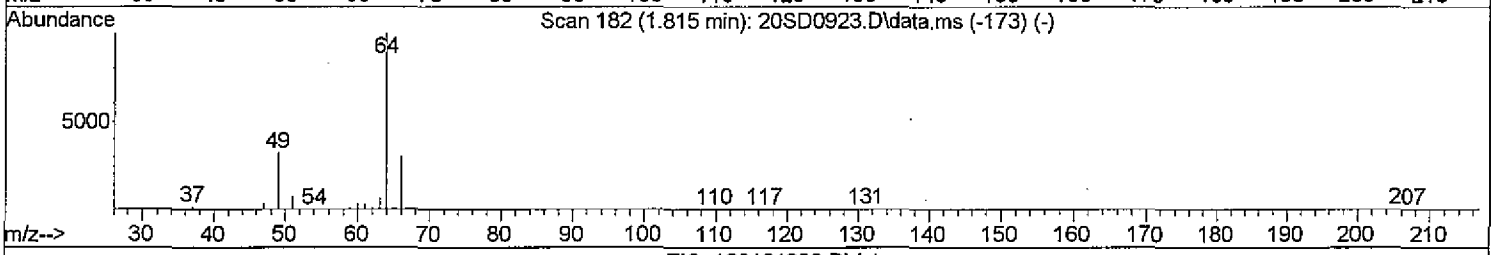
Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101333.D
Acq On : 31 Jan 2012 7:24 pm
Operator : SCW OBB-AG5975
Sample : HW12; L
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 01 09:16:32 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration







TIC: 120101333.D\data.ms

(6) CHLOROETHANE (TMCP)

1.773min (+0.007) 4.80ug/L

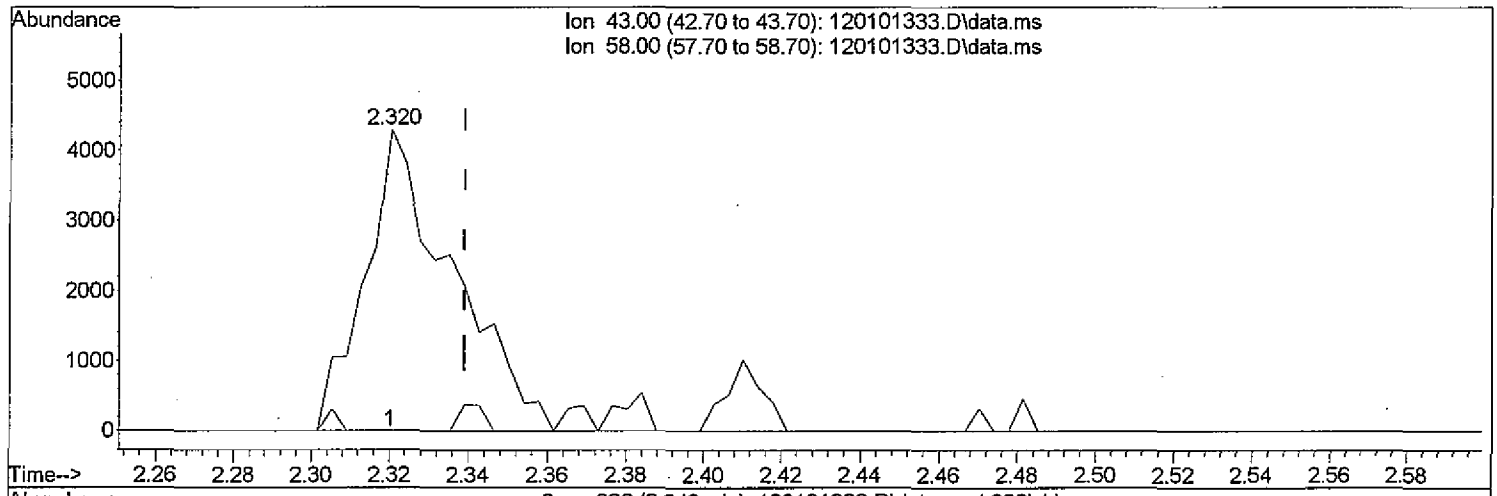
response 122908

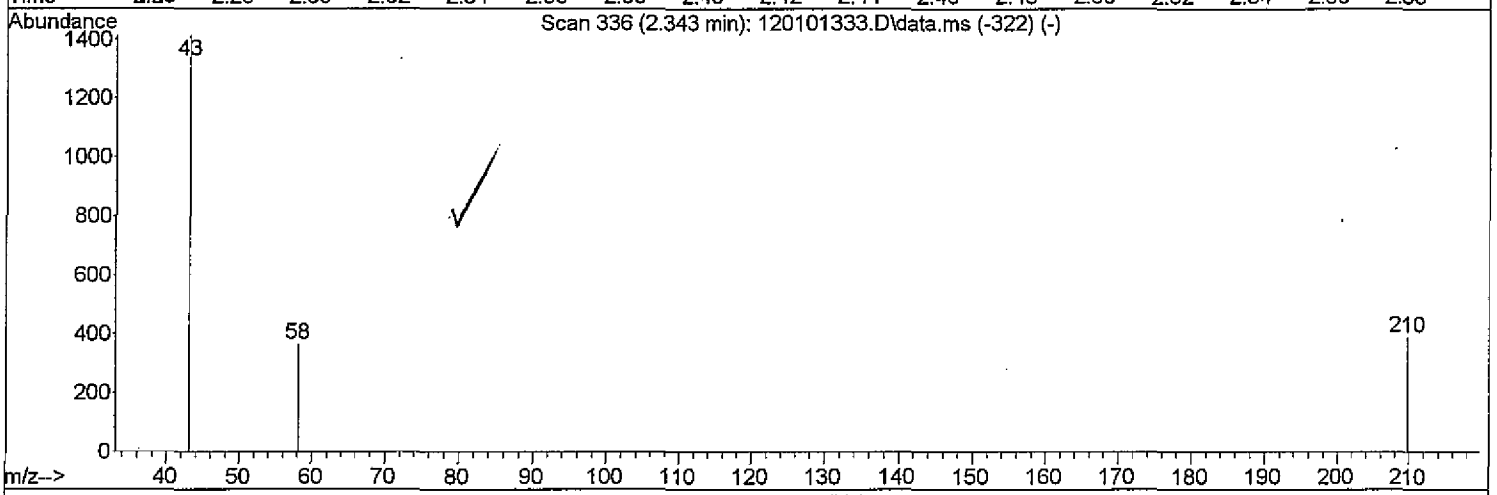
Ion	Exp%	Act%
64.00	100	100
66.00	31.20	1.66#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101333.D
Acq On : 31 Jan 2012 7:24 pm
Operator : SCW OBB-AG5975
Sample : HW12; L
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 01 09:16:32 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration





TIC: 120101333.D\data.ms

(8) ACETONE (TMCP)

2.320min (-0.019) 1.82ug/L

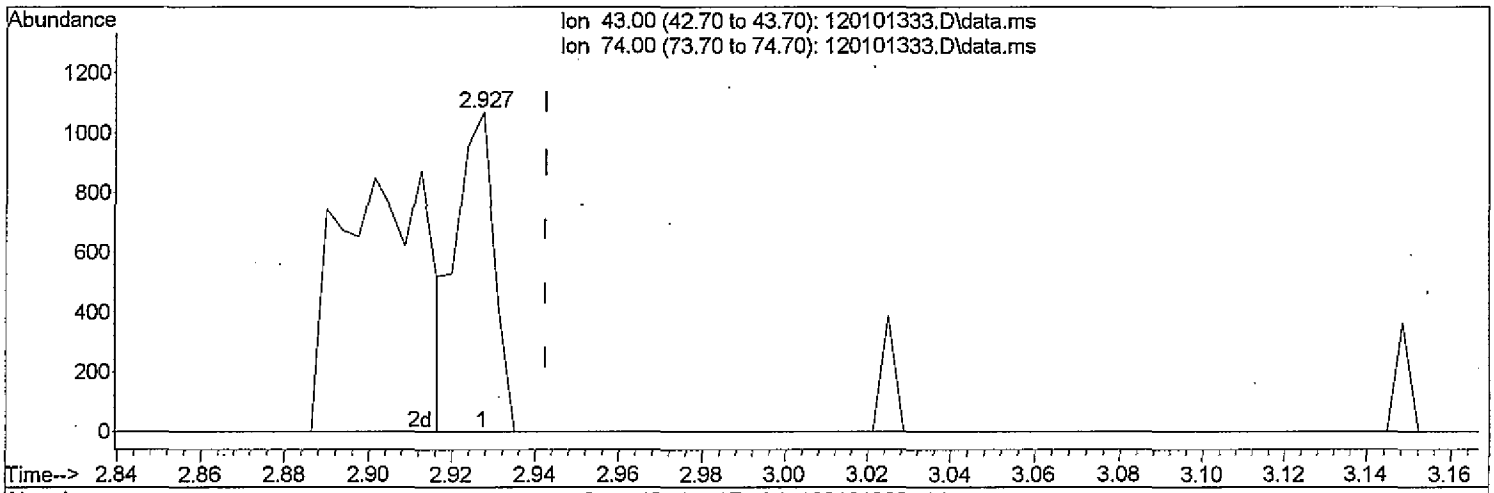
response 6607

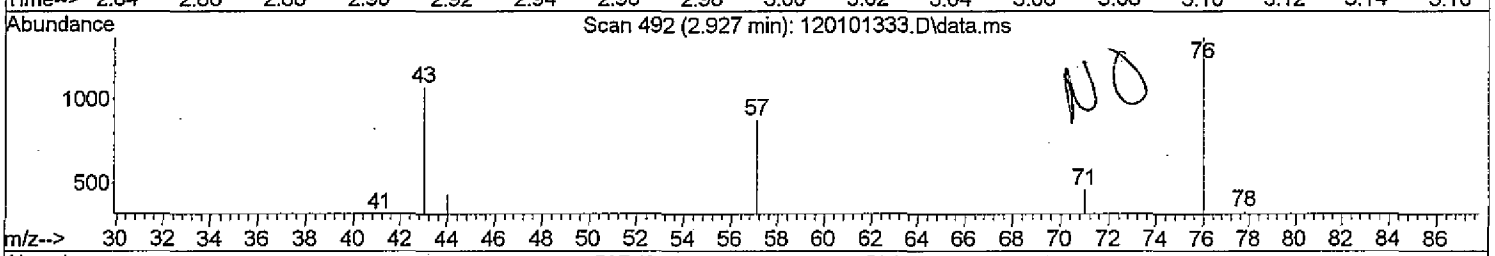
Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

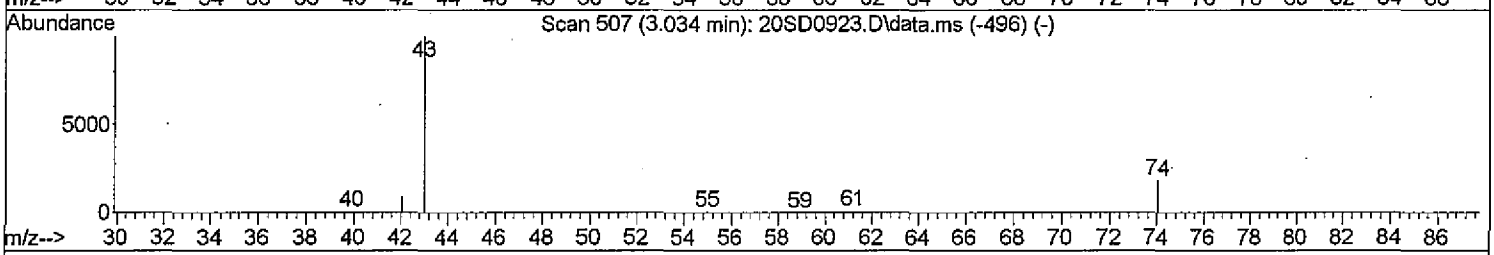
Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101333.D
Acq On : 31 Jan 2012 7:24 pm
Operator : SCW OBB-AG5975
Sample : HW12; L
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 01 09:16:32 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration







TIC: 120101333.D\data.ms

(14) METHYL ACETATE (TMCP)

2.927min (-0.015) 0.11ug/L

response 666

Ion	Exp%	Act%
43.00	100	100
74.00	19.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101334.D
Acq On : 31 Jan 2012 7:52 pm
Operator : SCW OBB-AG5975
Sample : HW17; L
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 01 09:35:51 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	441174	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.204	117	404307	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	171638	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	102962	4.36 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 109.00%	
42) TOLUENE-d8	8.472	98	532241	3.66 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 91.50%	
60) 4-BROMOFLUOROBENZENE	11.531	95	160915	3.90 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 97.50%	
Target Compounds					Qvalue
8) ACETONE	2.373	43	4675m	1.24 ug/L	J B

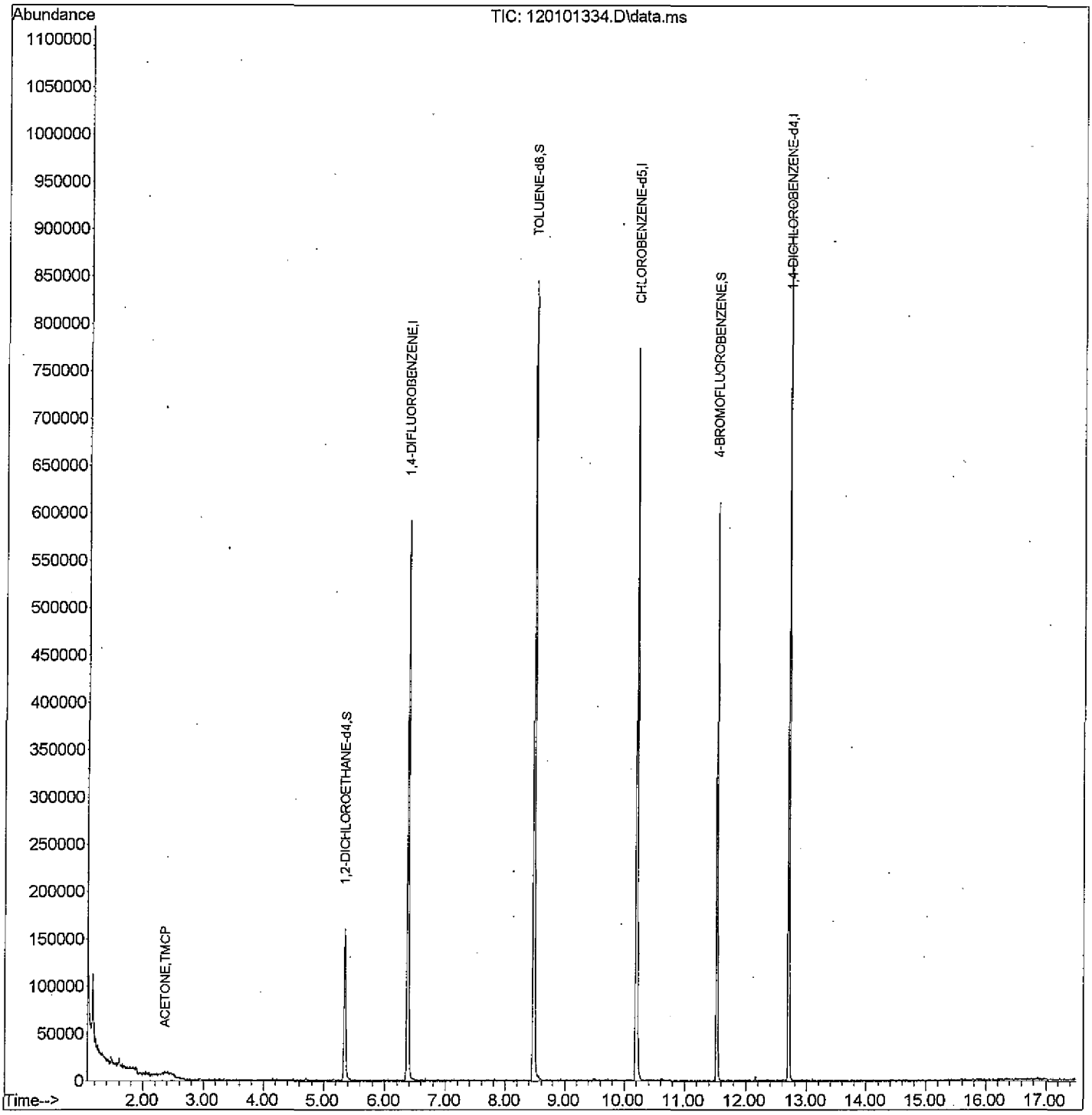
(#) = qualifier out of range (m) = manual integration (+) = signals summed

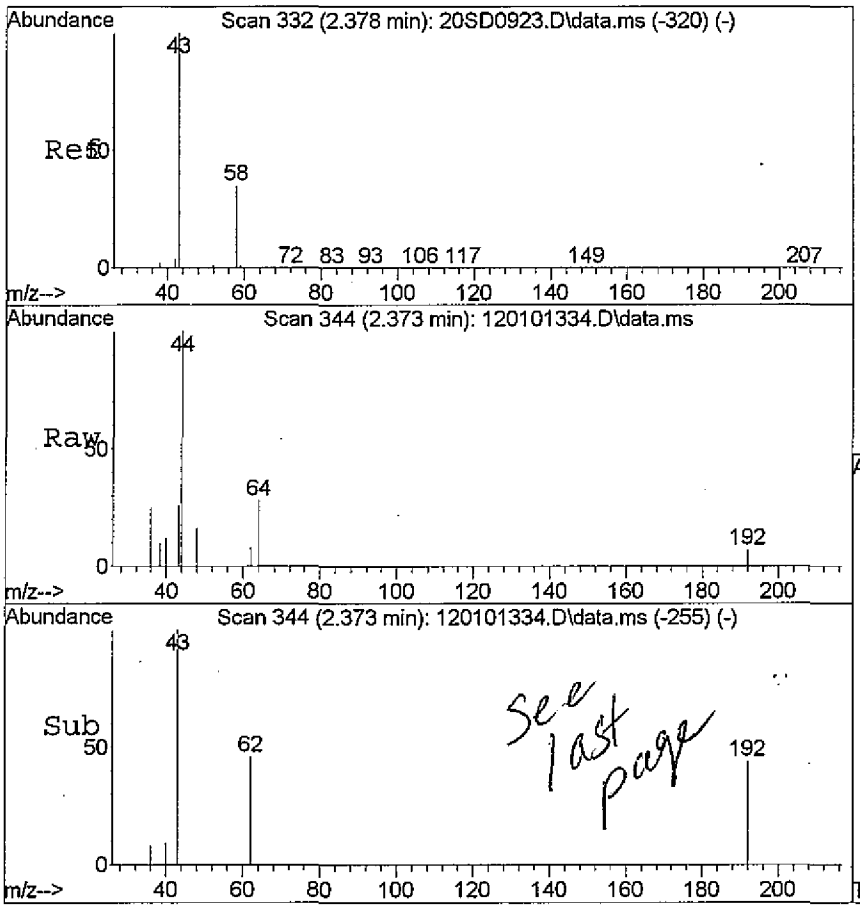
NOTICS

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101334.D
Acq On : 31 Jan 2012 7:52 pm
Operator : SCW OBB-AG5975
Sample : HW17; L
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 01 09:35:51 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



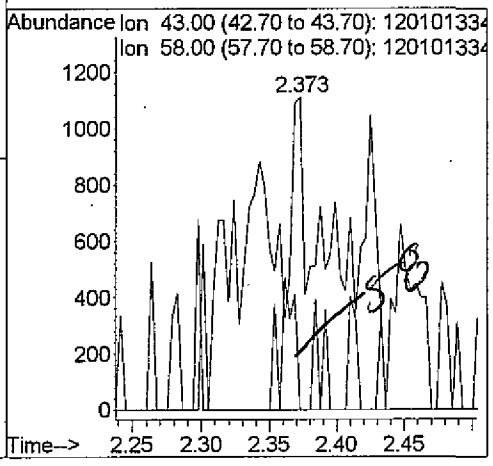


See last page

#8
ACETONE
Concen: 1.24 ug/L m
RT: 2.373 min Scan# 344
Delta R.T. 0.034 min
Lab File: 120101334.D
Acq: 31 Jan 2012 7:52 pm

Tgt Ion: 43 Resp: 4675

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#



LSC Area Percent Report

Data Path : D:\data\01312012\
Data File : 120101334.D
Acq On : 31 Jan 2012 7:52 pm
Operator : SCW OBB-AG5975
Sample : HW17; L
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.169	19	23	32	rVB	73009	87864	6.01%	1.445%
2	5.345	1126	1137	1156	rBV3	160631	302954	20.73%	4.981%
3	6.380	1400	1413	1434	rBV	592730	1025640	70.19%	16.863%
4	8.475	1959	1972	1988	rBV	846121	1461221	100.00%	24.025%
5	10.200	2420	2432	2455	rBV	774415	1277620	87.44%	21.006%
6	11.531	2779	2787	2803	rBV	612499	795923	54.47%	13.086%
7	12.700	3089	3099	3117	rVB	928485	1130884	77.39%	18.594%

Sum of corrected areas: 6082106

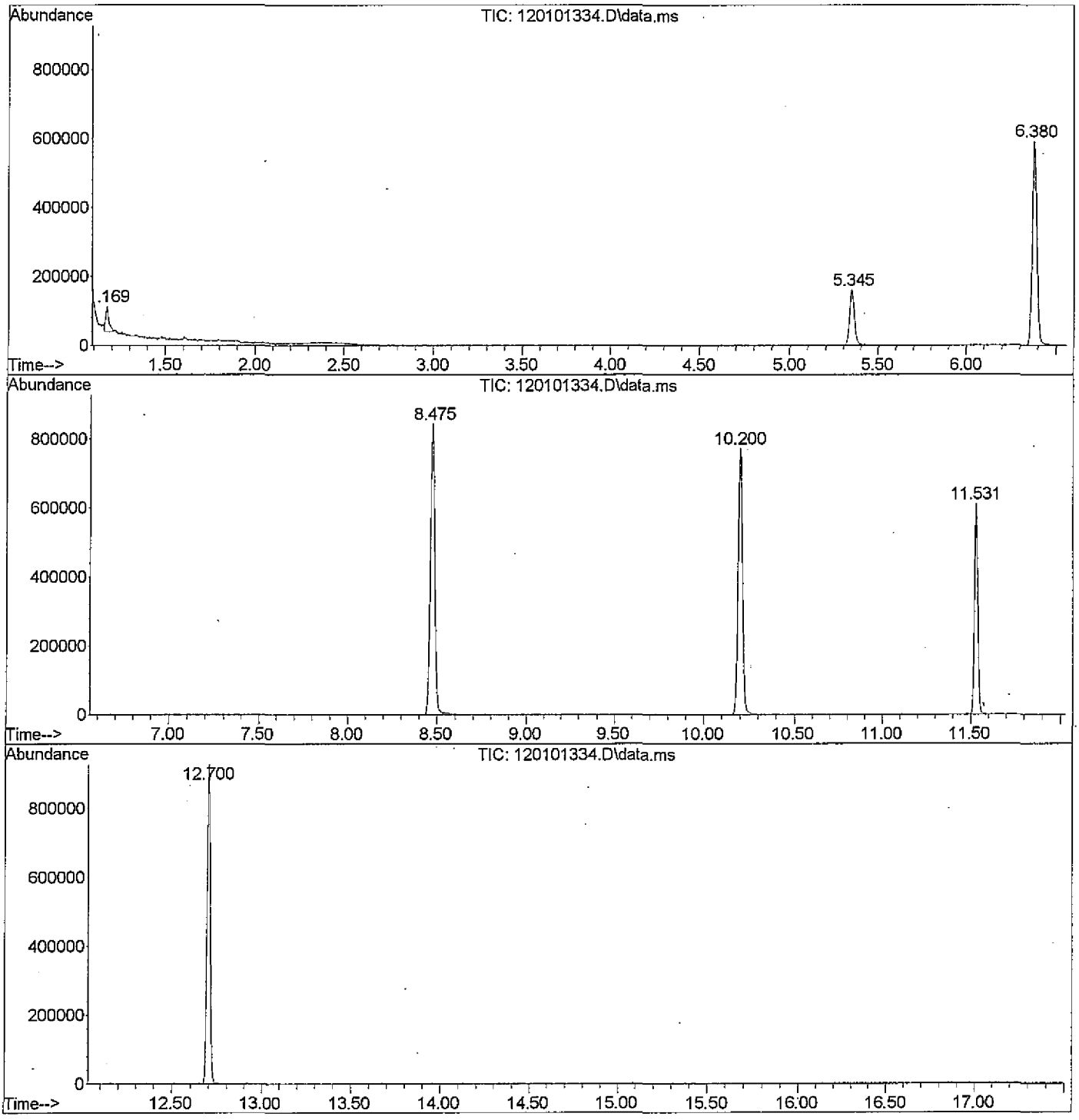
DIM0218843 DIM0219458

LSC Report - Integrated Chromatogram

Data Path : D:\data\01312012\
Data File : 120101334.D
Acq On : 31 Jan 2012 7:52 pm
Operator : SCW OBB-AG5975
Sample : HW17; L
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01312012\
Data File : 120101334.D
Acq On : 31 Jan 2012 7:52 pm
Operator : SCW OBB-AG5975
Sample : HW17; L
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01312012\
Data File : 120101334.D
Acq On : 31 Jan 2012 7:52 pm
Operator : SCW OBB-AG5975
Sample : HW17; L
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

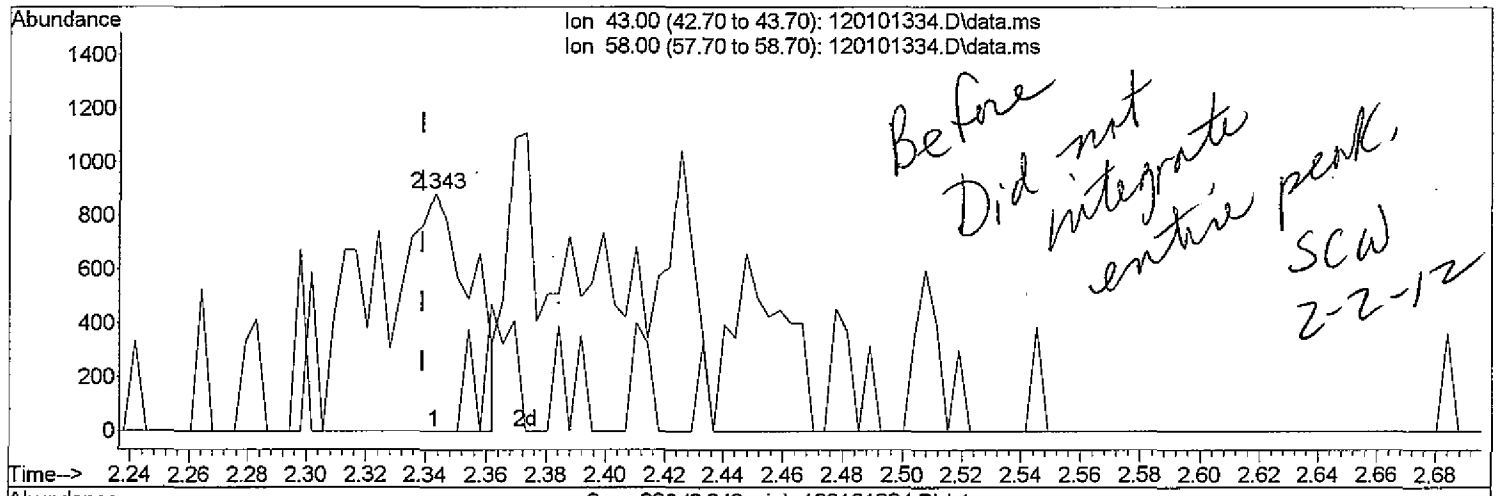
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

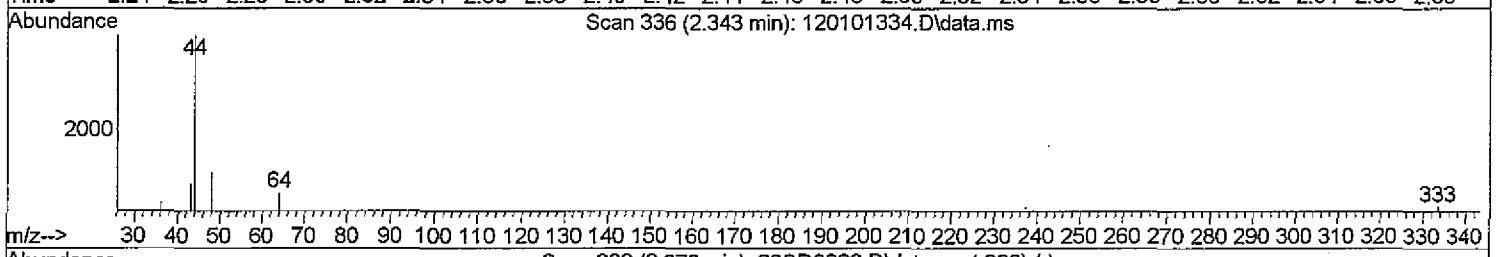
Quantitation Report (Qedit)

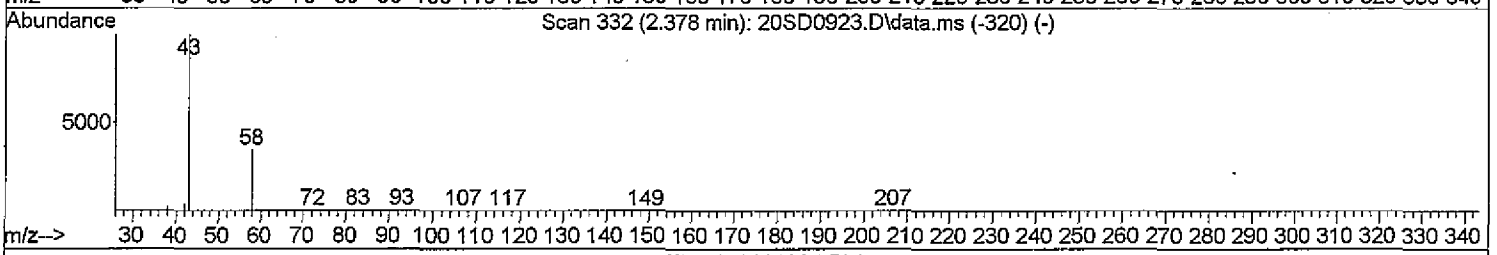
Data Path : D:\data\01312012\
Data File : 120101334.D
Acq On : 31 Jan 2012 7:52 pm
Operator : SCW OBB-AG5975
Sample : HW17, L
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 01 09:16:45 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



Before
Did not integrate entire peak.
SCW
2-2-12





TIC: 120101334.D\data.ms

(8) ACETONE (TMCP)

2.343min (+0.004) 0.53ug/L

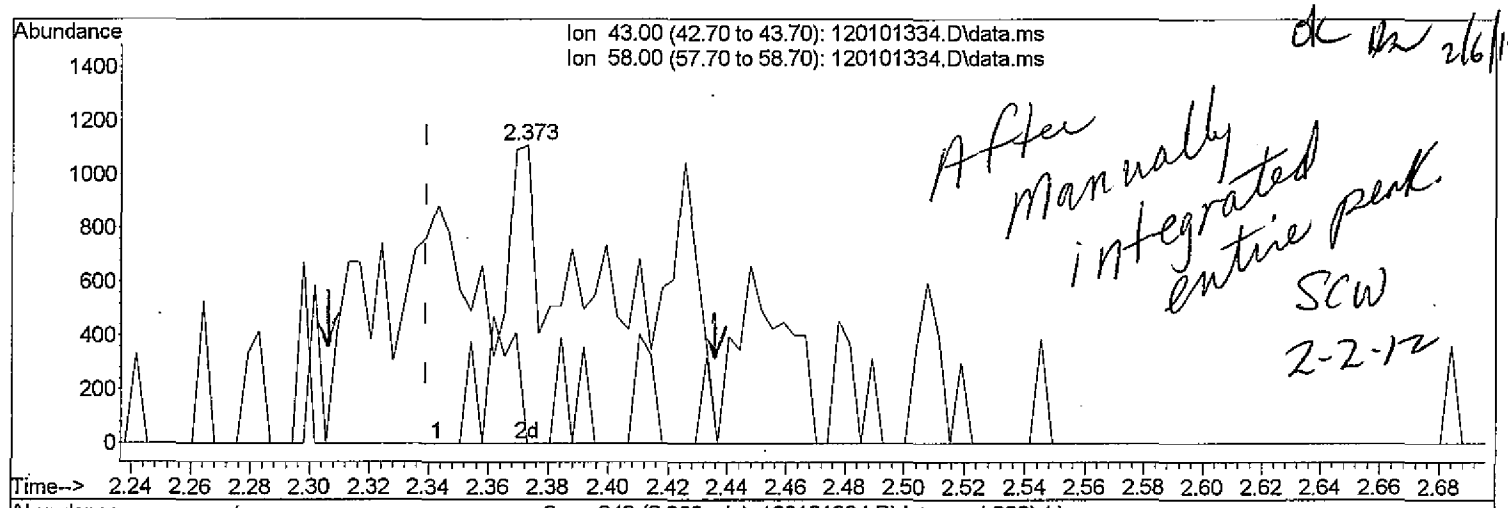
response 2007

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

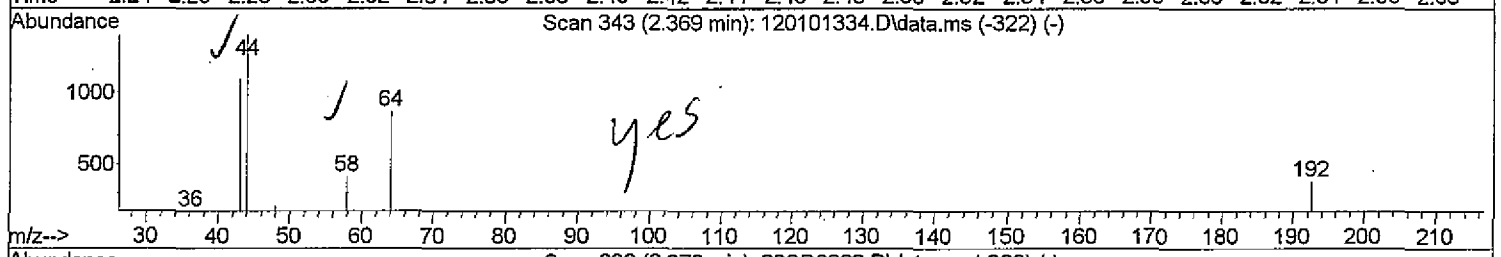
Data Path : D:\data\01312012\
Data File : 120101334.D
Acq On : 31 Jan 2012 7:52 pm
Operator : SCW OBB-AG5975
Sample : HW17; L
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 01 09:16:45 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

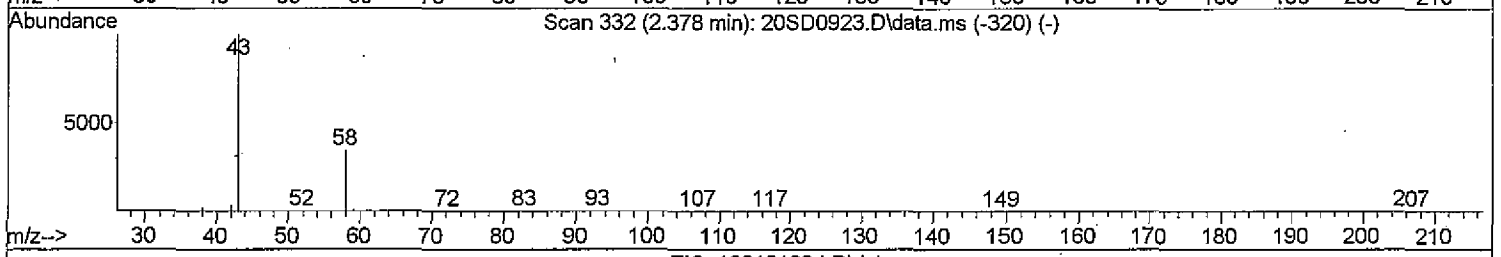


ok 2/6/12

After manually integrated entire peak. SCW 2-2-12



yes



TIC: 120101334.D\data.ms

(8) ACETONE (TMCP)

2.373min (+0.034) 1.24ug/L m

response 4675

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101335.D
Acq On : 31 Jan 2012 8:20 pm
Operator : SCW OBB-AG5975
Sample : HW14; L
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 01 09:40:15 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	451558	4.00	ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	408878	4.00	ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	172043	4.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-DICHLOROETHANE-d4	5.342	65	101239	4.19	ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 104.75%			
42) TOLUENE-d8	8.472	98	547118	3.72	ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 93.00%			
60) 4-BROMOFLUOROBENZENE	11.531	95	154062	3.72	ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 93.00%			
Target Compounds						Qvalue
8) ACETONE	2.343	43	2201	0.57	ug/L # J,B	47
52) BROMOFORM	10.747	173	1177	0.18	ug/L # J	32

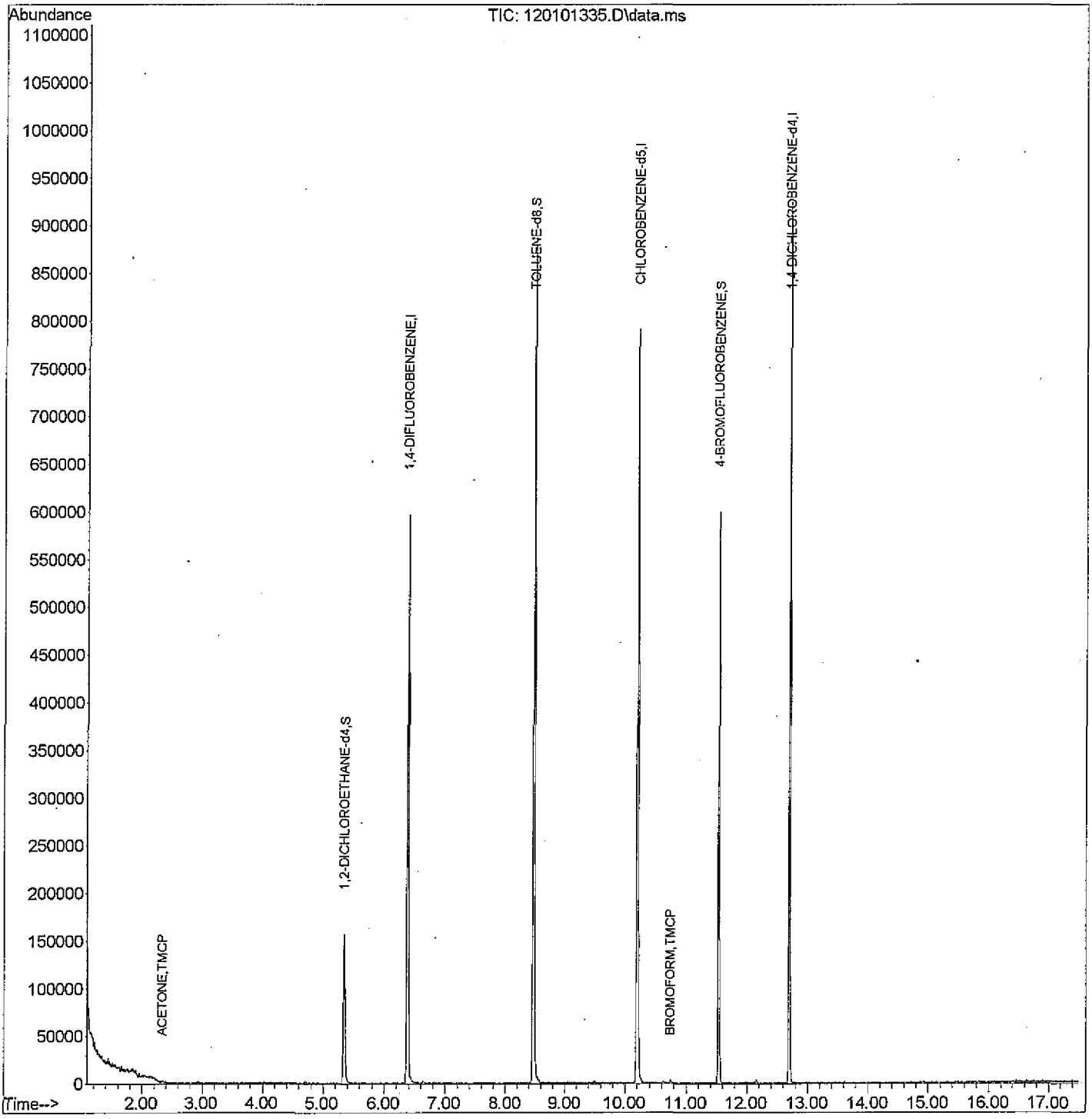
(#) = qualifier out of range (m) = manual integration (+) = signals summed

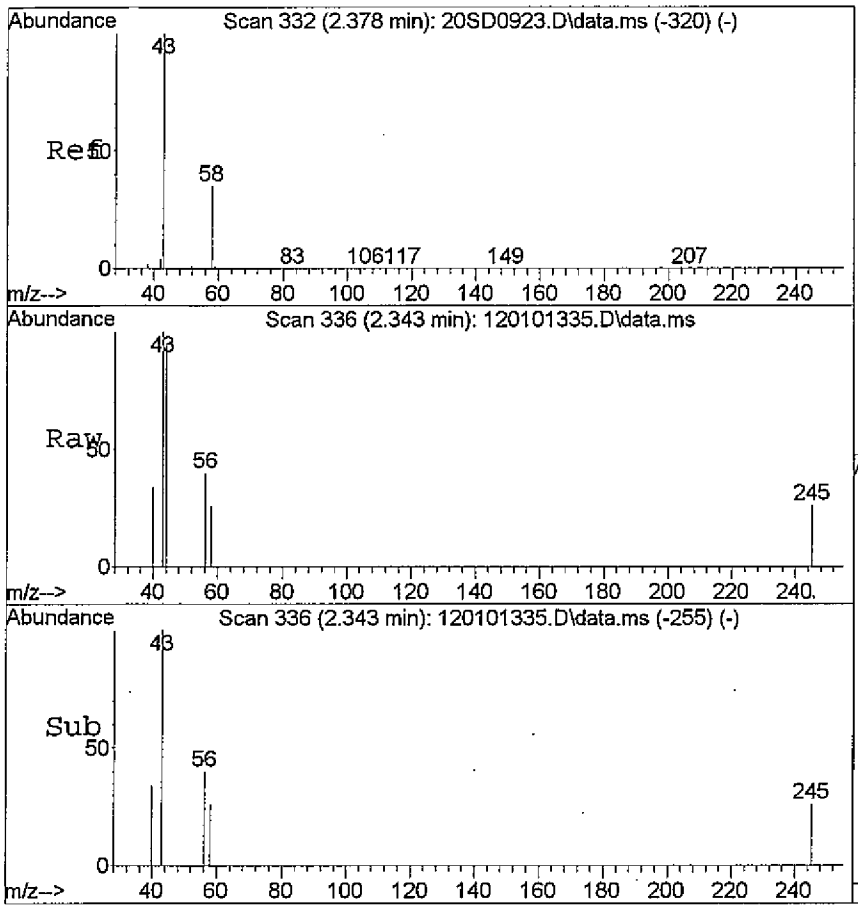
No TICS

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101335.D
Acq On : 31 Jan 2012 8:20 pm
Operator : SCW OBB-AG5975
Sample : HW14; L
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 01 09:40:15 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

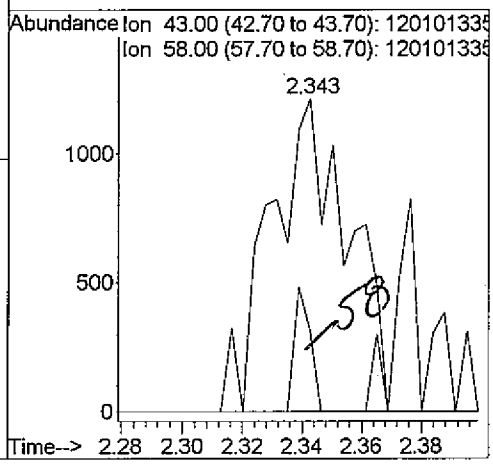


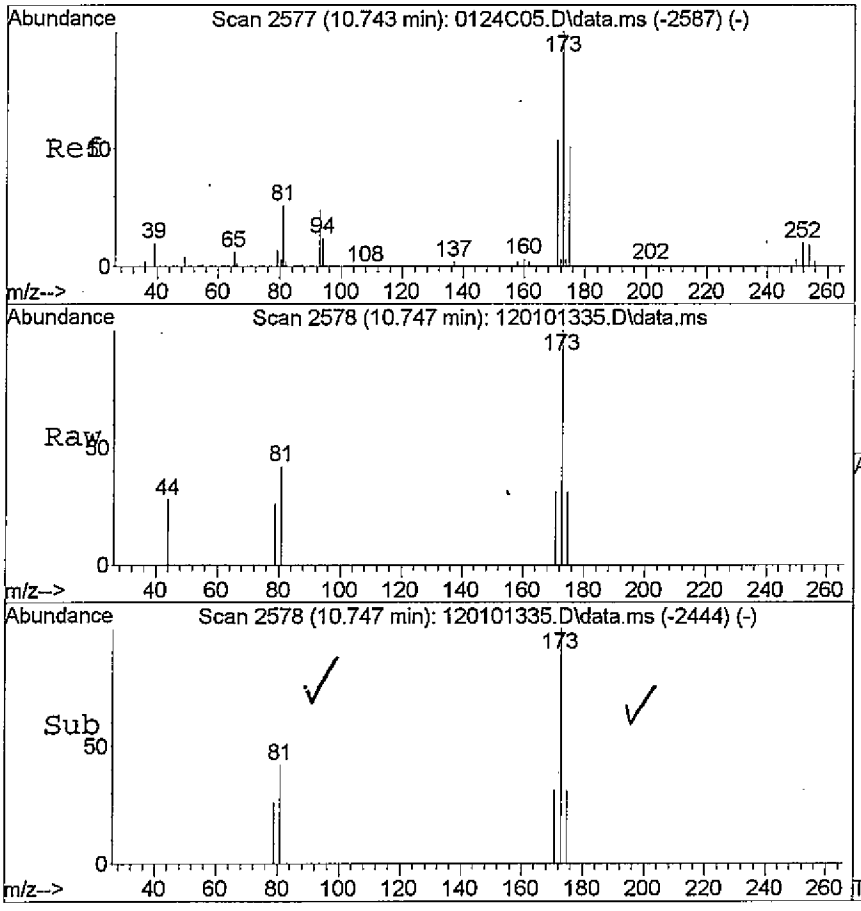


#8
ACETONE
Concen: 0.57 ug/L
RT: 2.343 min Scan# 336
Delta R.T. 0.004 min
Lab File: 120101335.D
Acq: 31 Jan 2012 8:20 pm

Tgt Ion: 43 Resp: 2201

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#

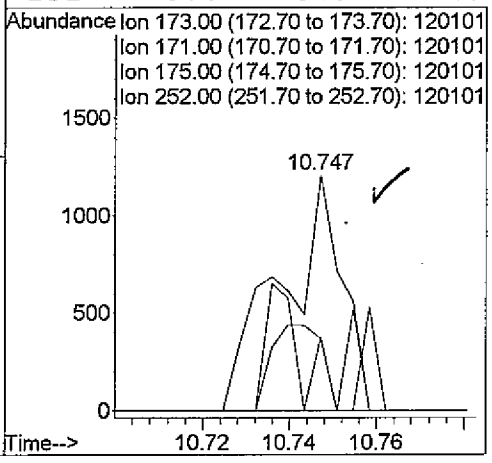




#52
BROMOFORM
Concen: 0.18 ug/L
RT: 10.747 min Scan# 2578
Delta R.T. 0.004 min
Lab File: 120101335.D
Acq: 31 Jan 2012 8:20 pm

Tgt Ion:173 Resp: 1177

Ion	Ratio	Lower	Upper
173	100		
171	0.0	40.5	60.7#
175	0.0	39.1	58.7#
252	0.0	9.9	14.9#



LSC Area Percent Report

Data Path : D:\data\01312012\
Data File : 120101335.D
Acq On : 31 Jan 2012 8:20 pm
Operator : SCW OBB-AG5975
Sample : HW14; L
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.345	1126	1137	1154	rBV2	157161	303371	20.24%	5.024%
2	6.380	1397	1413	1432	rBV2	597762	1050794	70.09%	17.402%
3	8.472	1958	1971	1988	rBV	887080	1499158	100.00%	24.828%
4	10.200	2418	2432	2457	rBV	791650	1275628	85.09%	21.126%
5	11.531	2774	2787	2802	rBV	600725	784843	52.35%	12.998%
6	12.700	3089	3099	3114	rBV	925308	1124424	75.00%	18.622%

Sum of corrected areas: 6038218

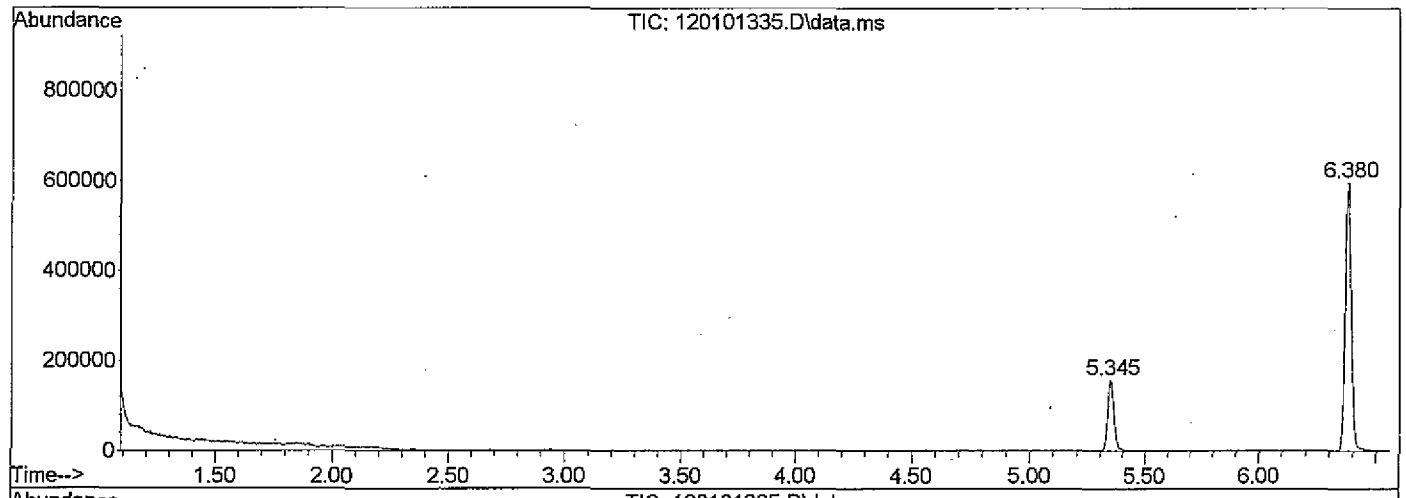
DIM0218843 DIM0219467

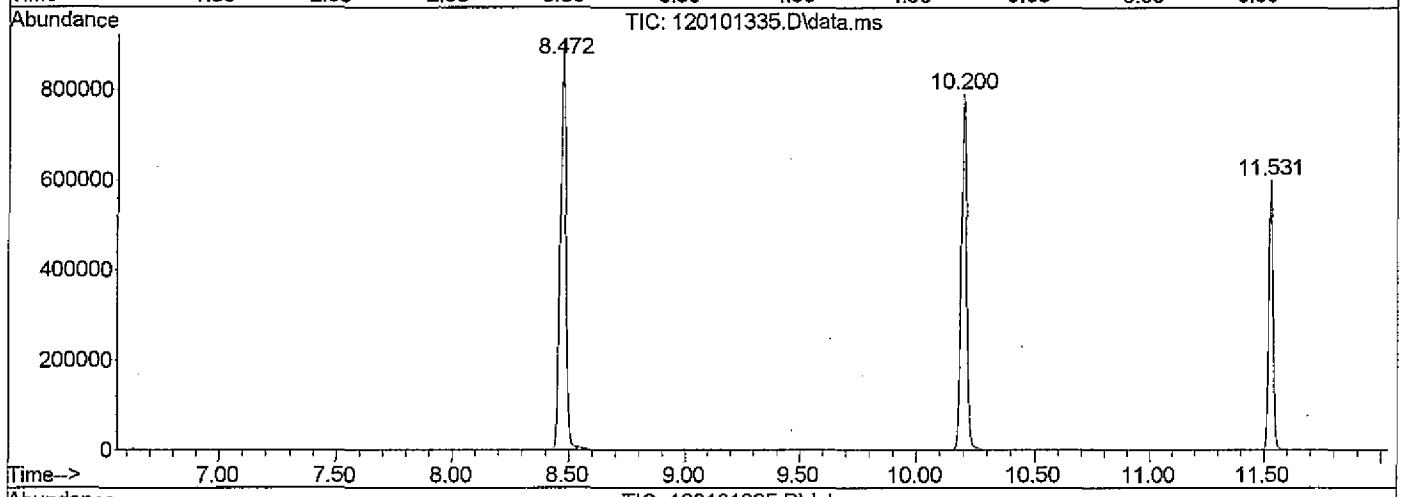
LSC Report - Integrated Chromatogram

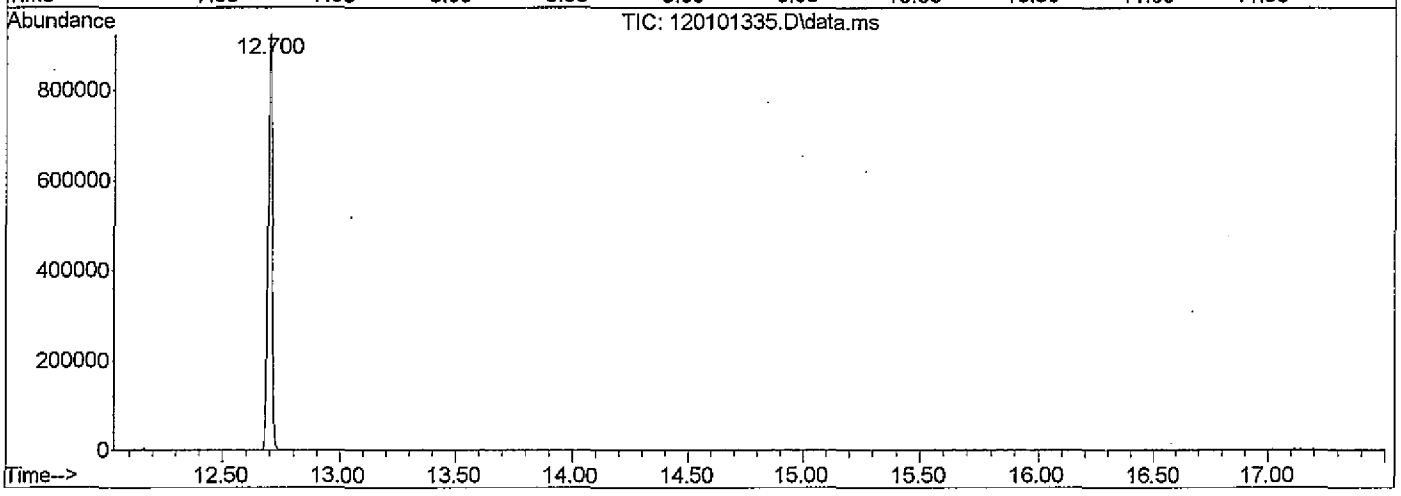
Data Path : D:\data\01312012\
Data File : 120101335.D
Acq On : 31 Jan 2012 8:20 pm
Operator : SCW OBB-AG5975
Sample : HW14; L
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Data Path : D:\data\01312012\
Data File : 120101335.D
Acq On : 31 Jan 2012 8:20 pm
Operator : SCW OBB-AG5975
Sample : HW14; L
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01312012\
Data File : 120101335.D
Acq On : 31 Jan 2012 8:20 pm
Operator : SCW OBB-AG5975
Sample : HW14; L
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

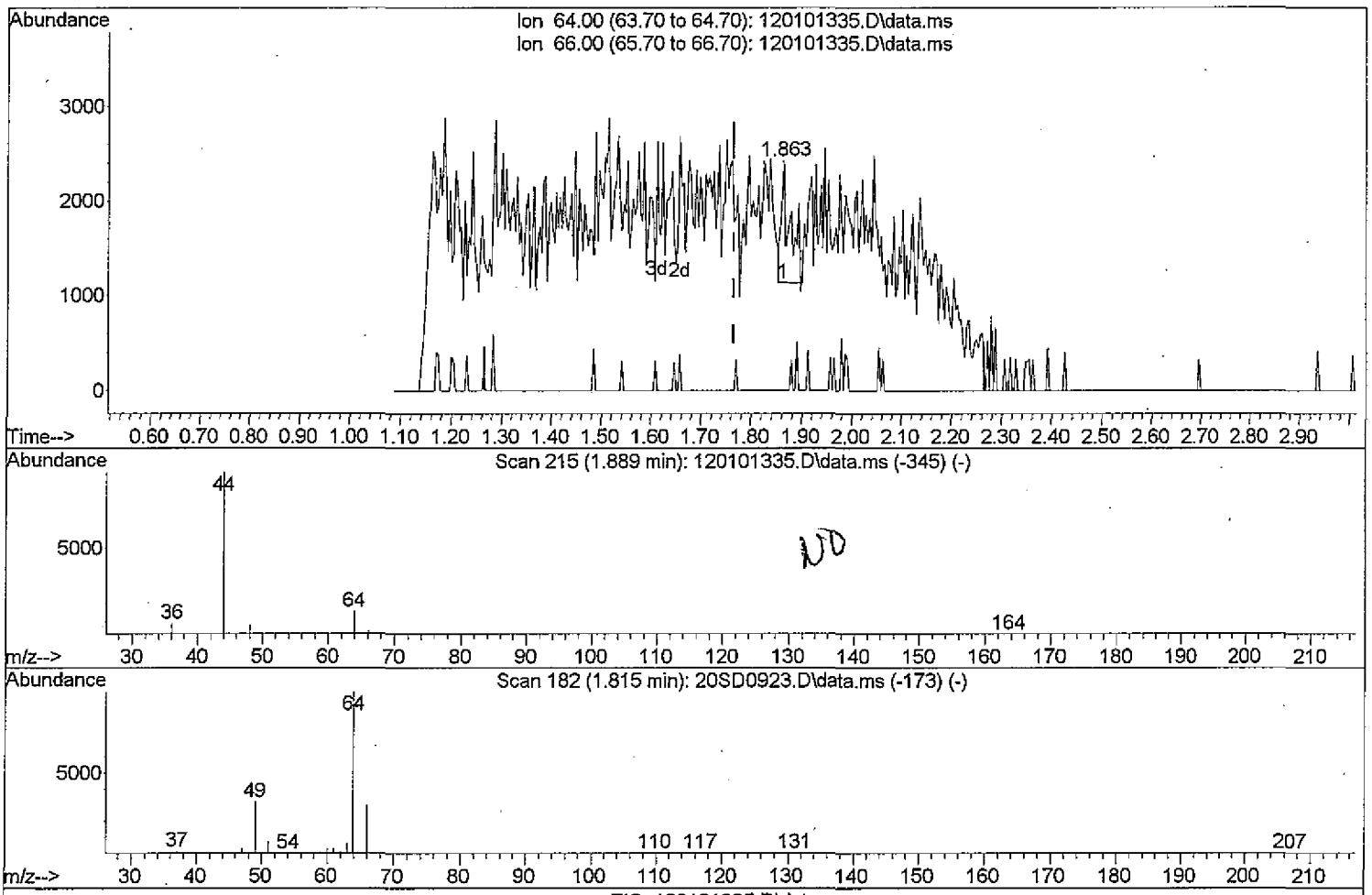
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101335.D
Acq On : 31 Jan 2012 8:20 pm
Operator : SCW OBB-AG5975
Sample : HW14; L
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 01 09:16:55 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



(6) CHLOROETHANE (TMCP)

1.863min (+0.097) 0.06ug/L

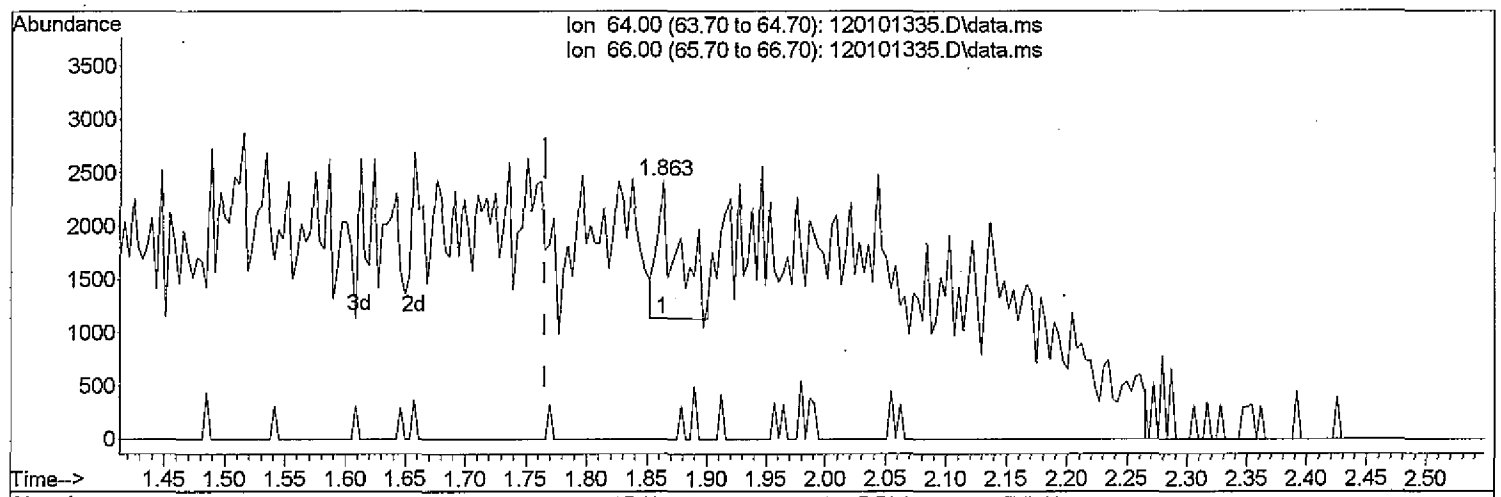
response 1574

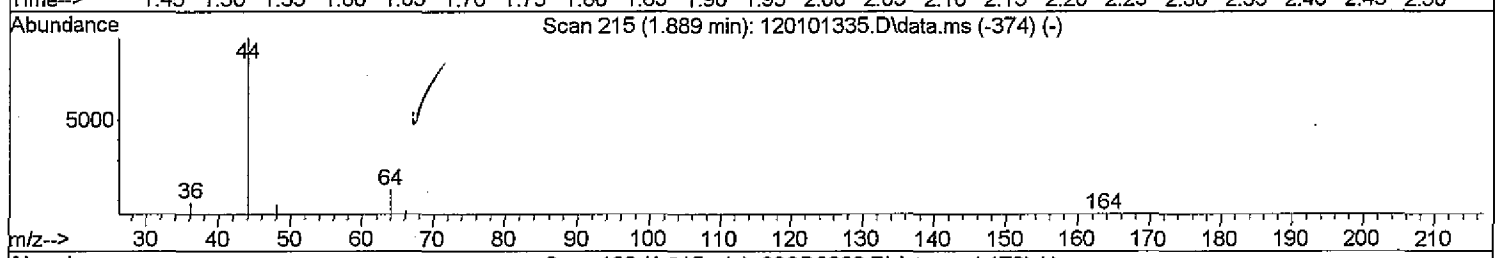
Ion	Exp%	Act%
64.00	100	100
66.00	31.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

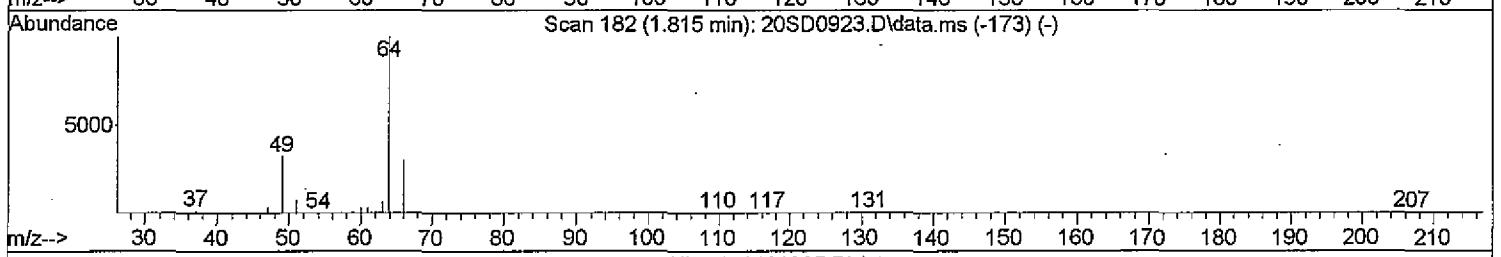
Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101335.D
Acq On : 31 Jan 2012 8:20 pm
Operator : SCW OBB-AG5975
Sample : HW14; L
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 01 09:16:55 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration







TIC: 120101335.D\data.ms

(6) CHLOROETHANE (TMCP)

1.863min (+0.097) 0.06ug/L

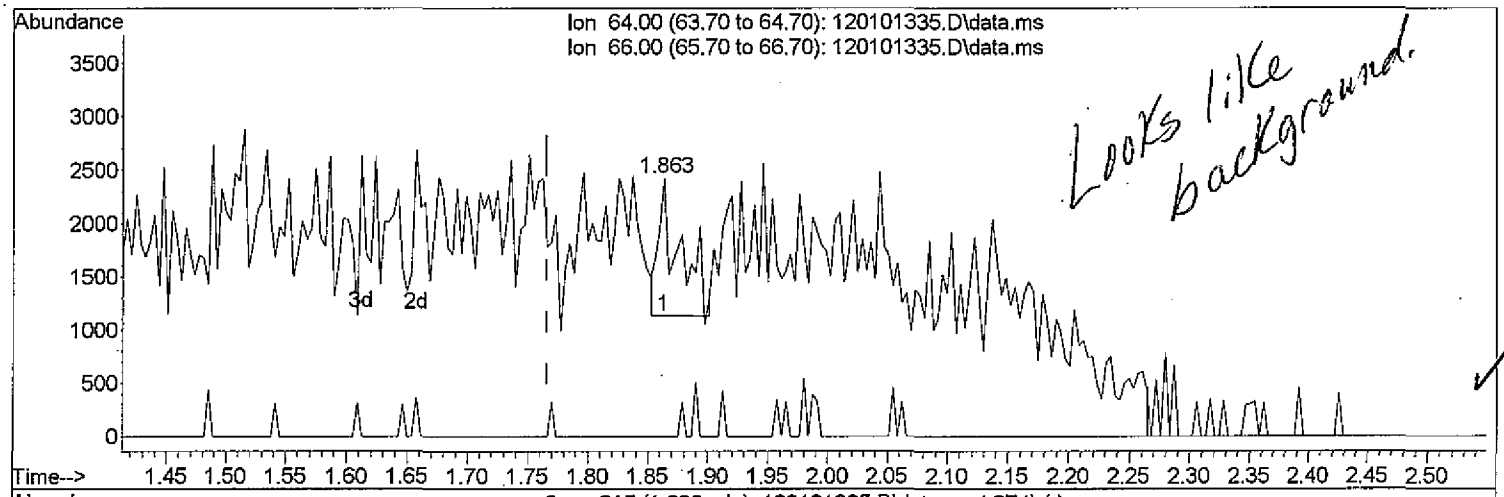
response 1574

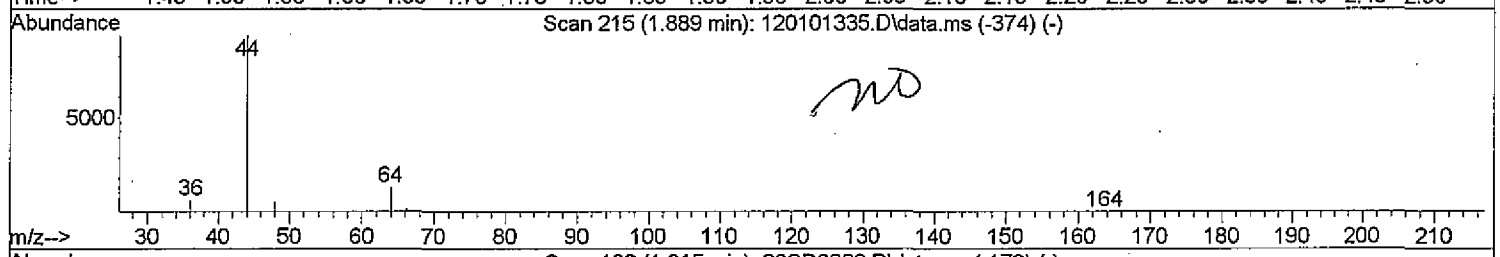
Ion	Exp%	Act%
64.00	100	100
66.00	31.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

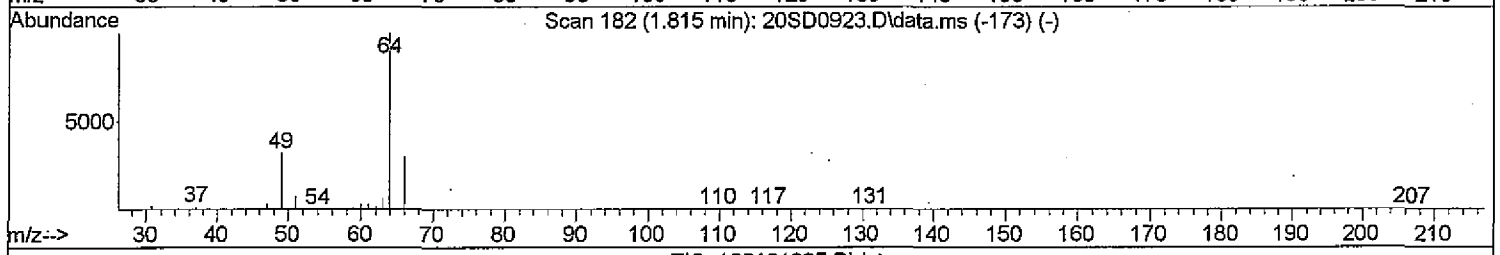
Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101335.D
Acq On : 31 Jan 2012 8:20 pm
Operator : SCW OBB-AG5975
Sample : HW14; L
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 01 09:16:55 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration







TIC: 120101335.D\data.ms

(6) CHLOROETHANE (TMCP)

1.863min (+0.097) 0.06ug/L

response 1574

Ion	Exp%	Act%
64.00	100	100
66.00	31.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101336.D
Acq On : 31 Jan 2012 8:48 pm
Operator : SCW OBB-AG5975
Sample : HW14P; L
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 01 09:41:58 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	430479	4.00	ug/L	0.00
38) CHLOROBENZENE-d5	10.203	117	413282	4.00	ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	174750	4.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-DICHLOROETHANE-d4	5.345	65	98029	4.25	ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 106.25%			
42) TOLUENE-d8	8.475	98	530247	3.57	ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 89.25%			
60) 4-BROMOFLUOROBENZENE	11.530	95	163332	3.88	ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 97.00%			
Target Compounds						Qvalue
8) ACETONE *	2.328	43	298460	81.07	ug/L # K	76
15) TRANS-1,2-DICHLOROETHENE	3.538	96	2119	0.08	ug/L	88
19) 2-BUTANONE	4.404	43	3279	0.97	ug/L # B, J	64

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

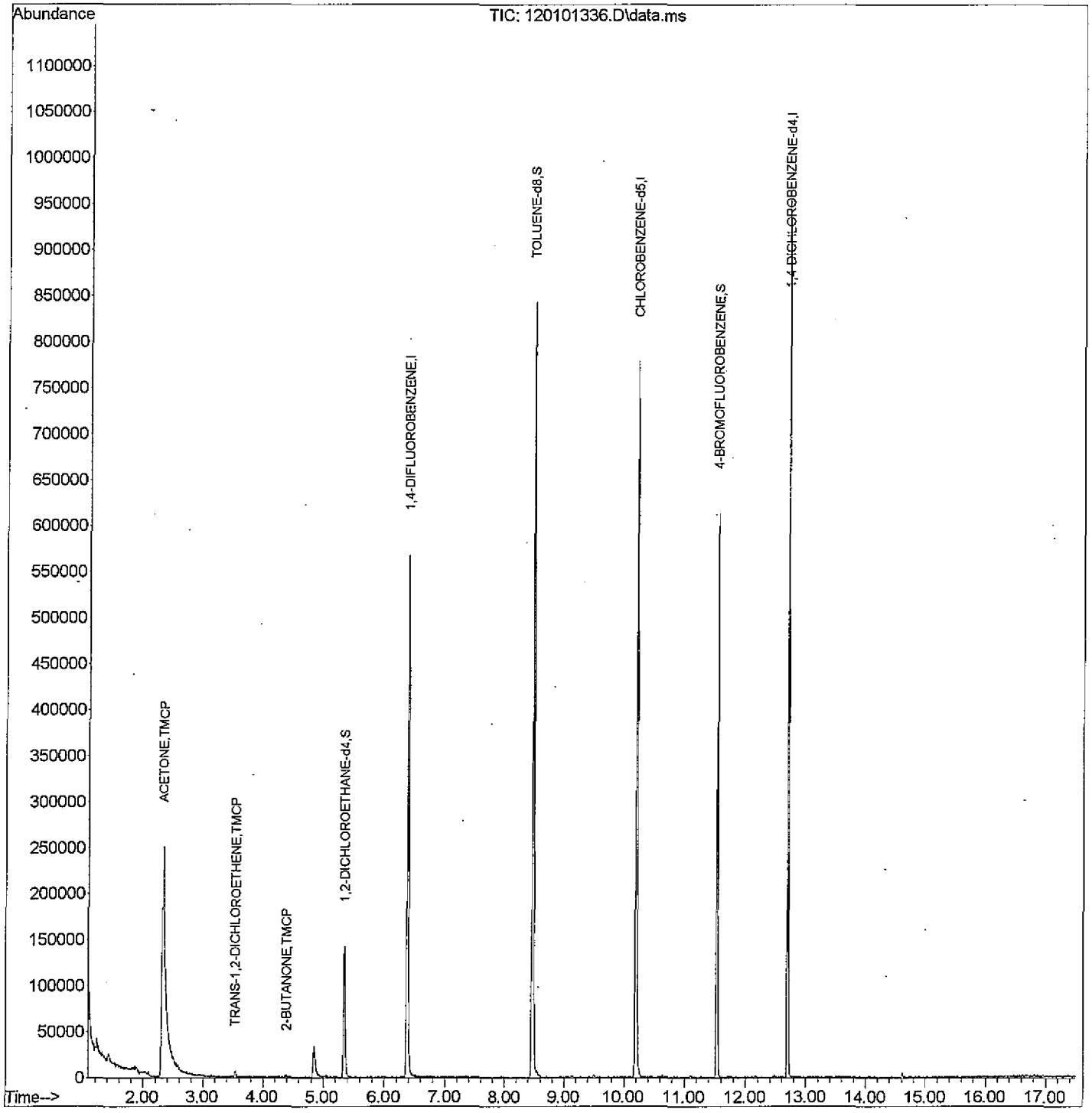
* Biased high due to isopropanol interference.

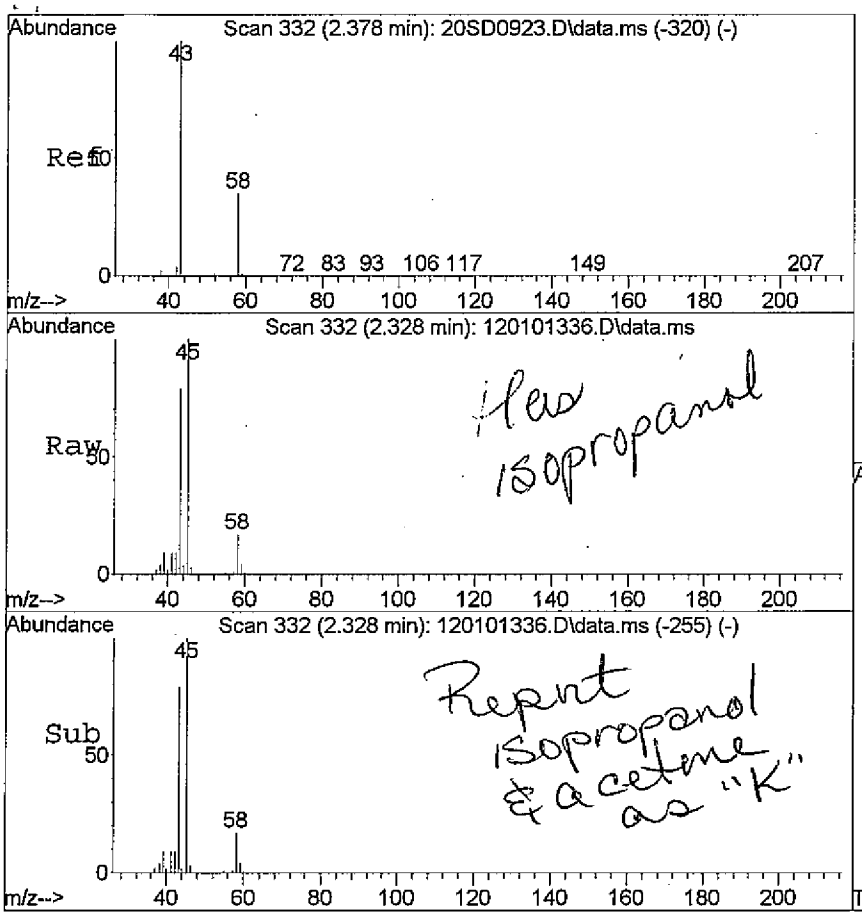
TIC

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101336.D
Acq On : 31 Jan 2012 8:48 pm
Operator : SCW OBB-AG5975
Sample : HW14P; L
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 01 09:41:58 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration





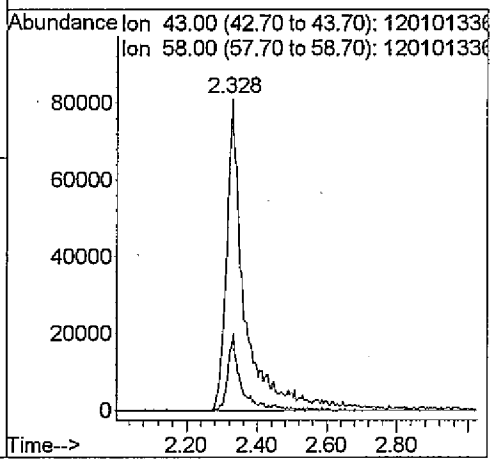
Flag isopropanol

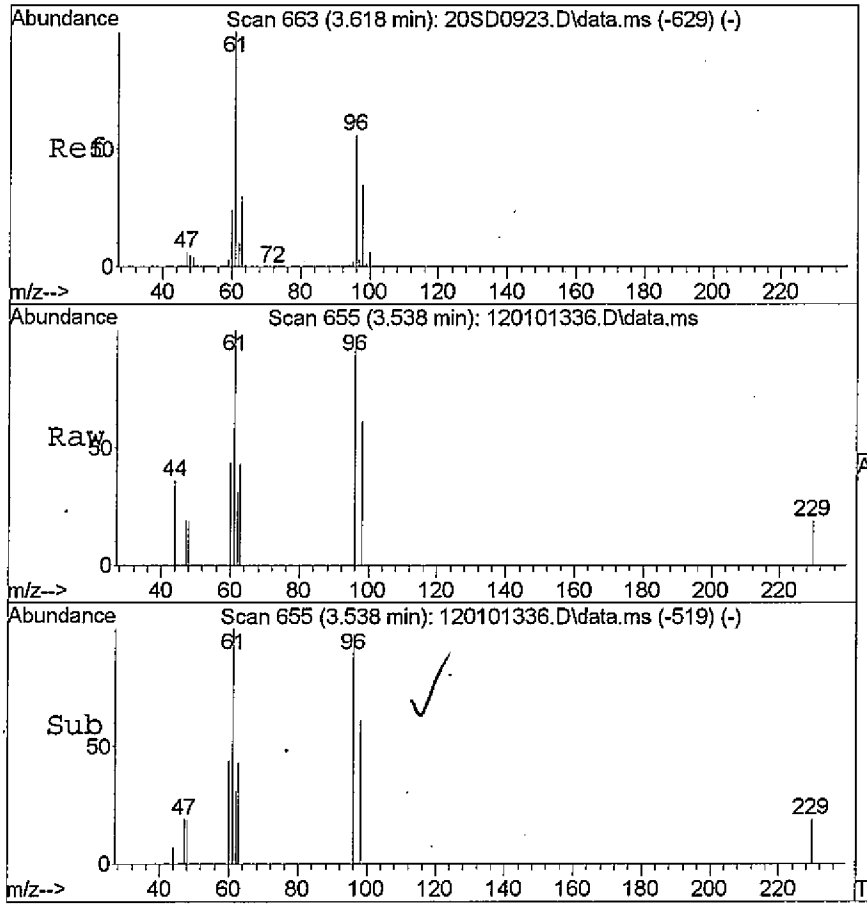
Report isopropanol & acetone as "K"

#8
ACETONE
Concen: 81.07 ug/L
RT: 2.328 min Scan# 332
Delta R.T. -0.011 min
Lab File: 120101336.D
Acq: 31 Jan 2012 8:48 pm

Tgt Ion: 43 Resp: 298460

Ion	Ratio	Lower	Upper
43	100		
58	15.2	22.5	33.7#

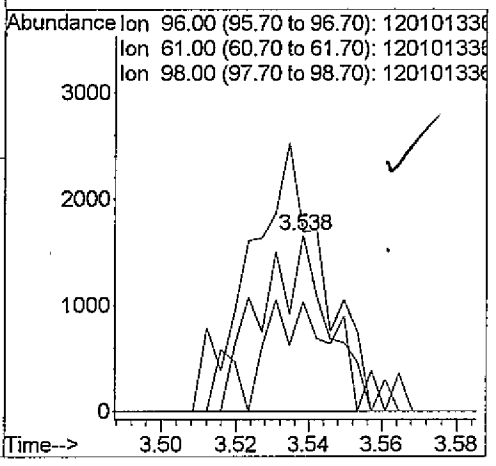


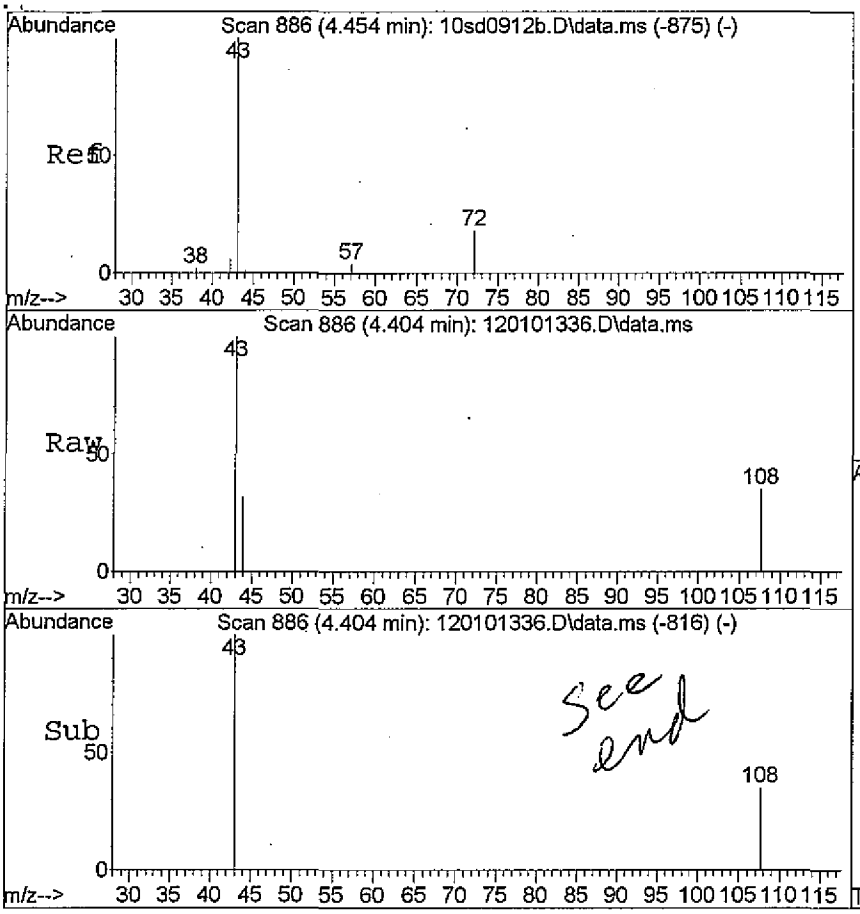


#15
TRANS-1,2-DICHLOROETHENE
Concen: 0.08 ug/L
RT: 3.538 min Scan# 655
Delta R.T. 0.011 min
Lab File: 120101336.D
Acq: 31 Jan 2012 8:48 pm

Tgt Ion: 96 Resp: 2119

Ion	Ratio	Lower	Upper
96	100		
61	169.8	118.9	178.3
98	63.0	50.6	76.0



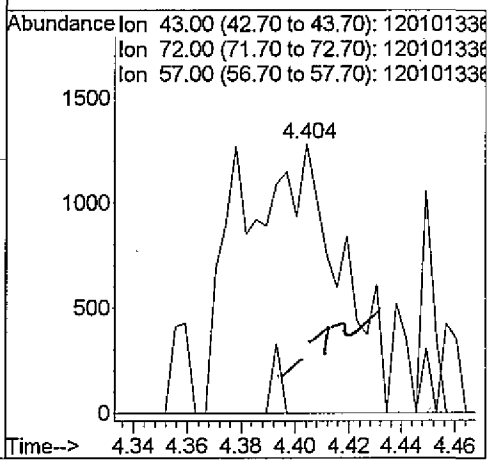


See end

#19
2-BUTANONE
Concen: 0.97 ug/L
RT: 4.404 min Scan# 886
Delta R.T. 0.011 min
Lab File: 120101336.D
Acq: 31 Jan 2012 8:48 pm

Tgt Ion: 43 Resp: 3279

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.9	22.3#
57	0.0	6.1	9.1#



LSC Area Percent Report

Data Path : D:\data\01312012\
Data File : 120101336.D
Acq On : 31 Jan 2012 8:48 pm
Operator : SCW OBB-AG5975
Sample : HW14P; L
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.328	314	332	368	rBV2	251039	1099247	75.57%	15.293%
2	4.847	993	1004	1018	rBV2	34761	87579	6.02%	1.218%
3	5.349	1122	1138	1156	rBV2	142987	286834	19.72%	3.991%
4	6.380	1399	1413	1429	rBV	567869	1011664	69.55%	14.075%
5	8.472	1958	1971	1988	rBV	843378	1454628	100.00%	20.237%
6	10.200	2418	2432	2455	rBV	778802	1297597	89.20%	18.053%
7	11.530	2778	2787	2806	rVB	614013	809571	55.65%	11.263%
8	12.700	3090	3099	3116	rBV	954191	1140682	78.42%	15.870%

Sum of corrected areas: 7187802

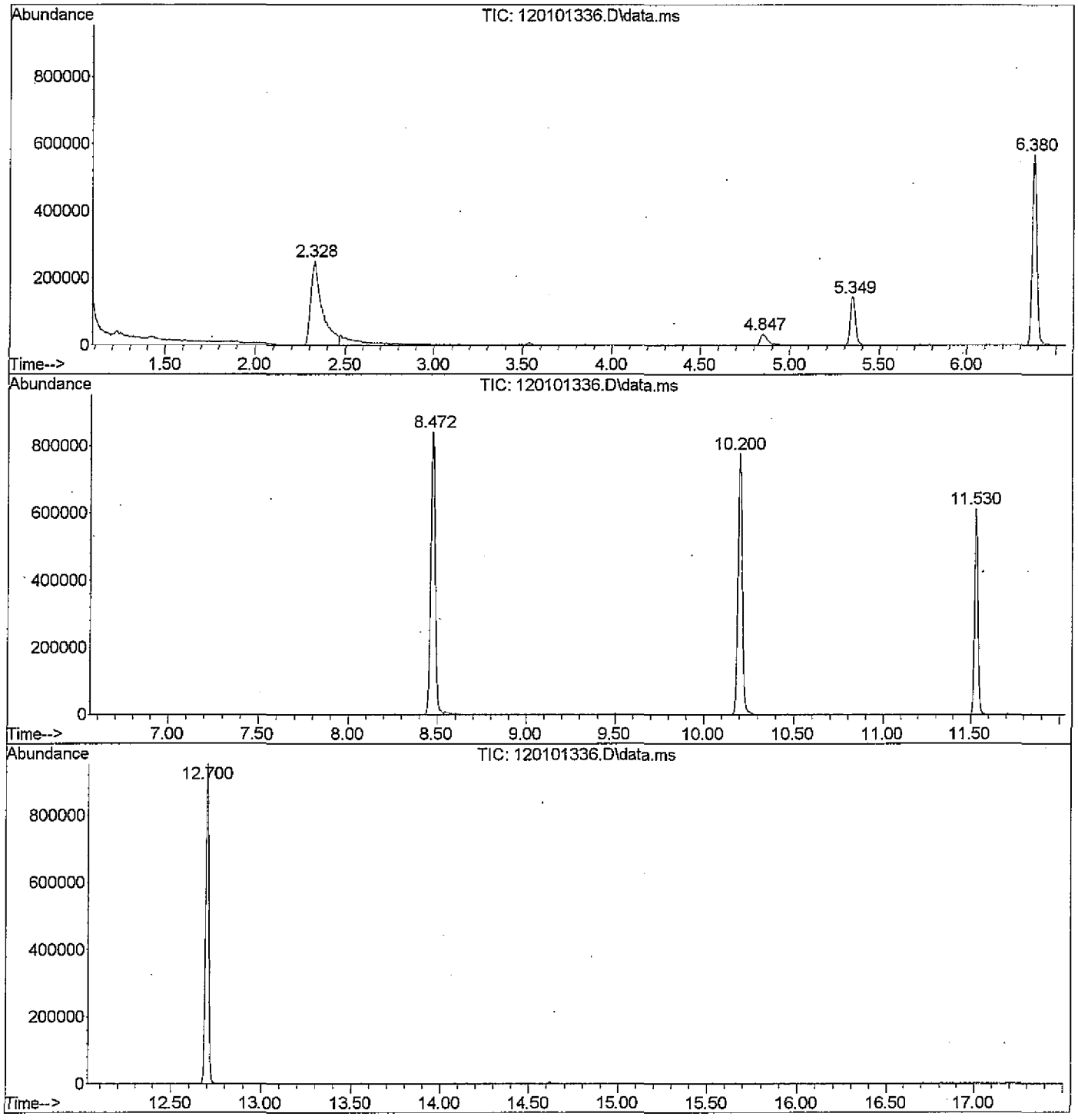
DIM0218843 DIM0219478

LSC Report - Integrated Chromatogram

Data Path : D:\data\01312012\
Data File : 120101336.D
Acq On : 31 Jan 2012 8:48 pm
Operator : SCW OBB-AG5975
Sample : HW14P; L
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01312012\
Data File : 120101336.D
Acq On : 31 Jan 2012 8:48 pm
Operator : SCW OBB-AG5975
Sample : HW14P; L
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

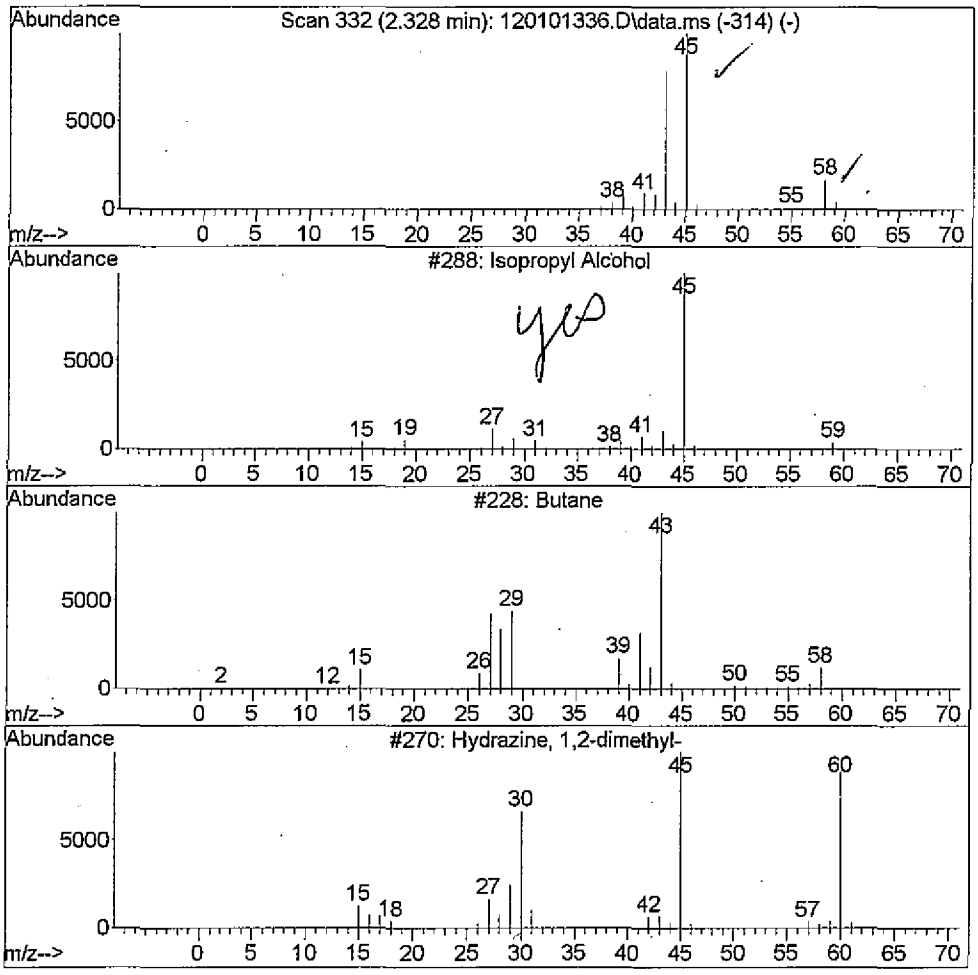
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

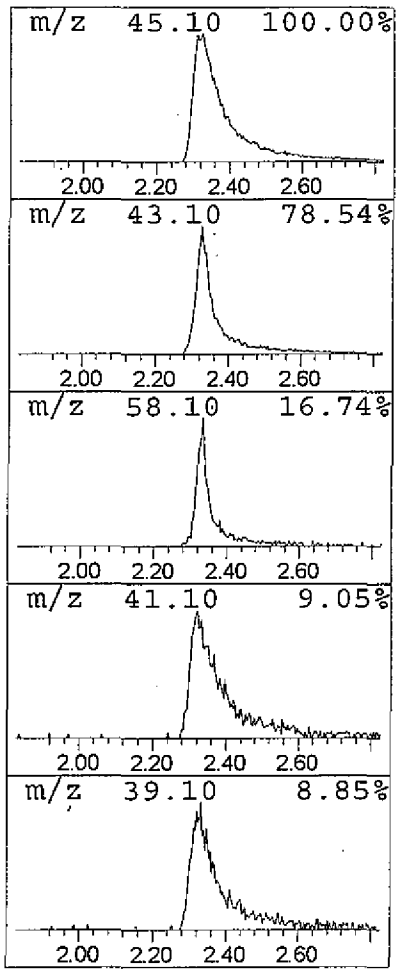
****

Peak Number 2 Isopropyl Alcohol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.328	4.35 ug/L	1099250	1,4-DIFLUOROBENZENE	6.380

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	59
2	Butane	58	C4H10	000106-97-8	9
3	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9
4	2-Propanone, 1-methoxy-	88	C4H8O2	005878-19-3	9
5	4-Penten-2-ol	86	C5H10O	000625-31-0	9





Tentatively Identified Compound (LSC) summary

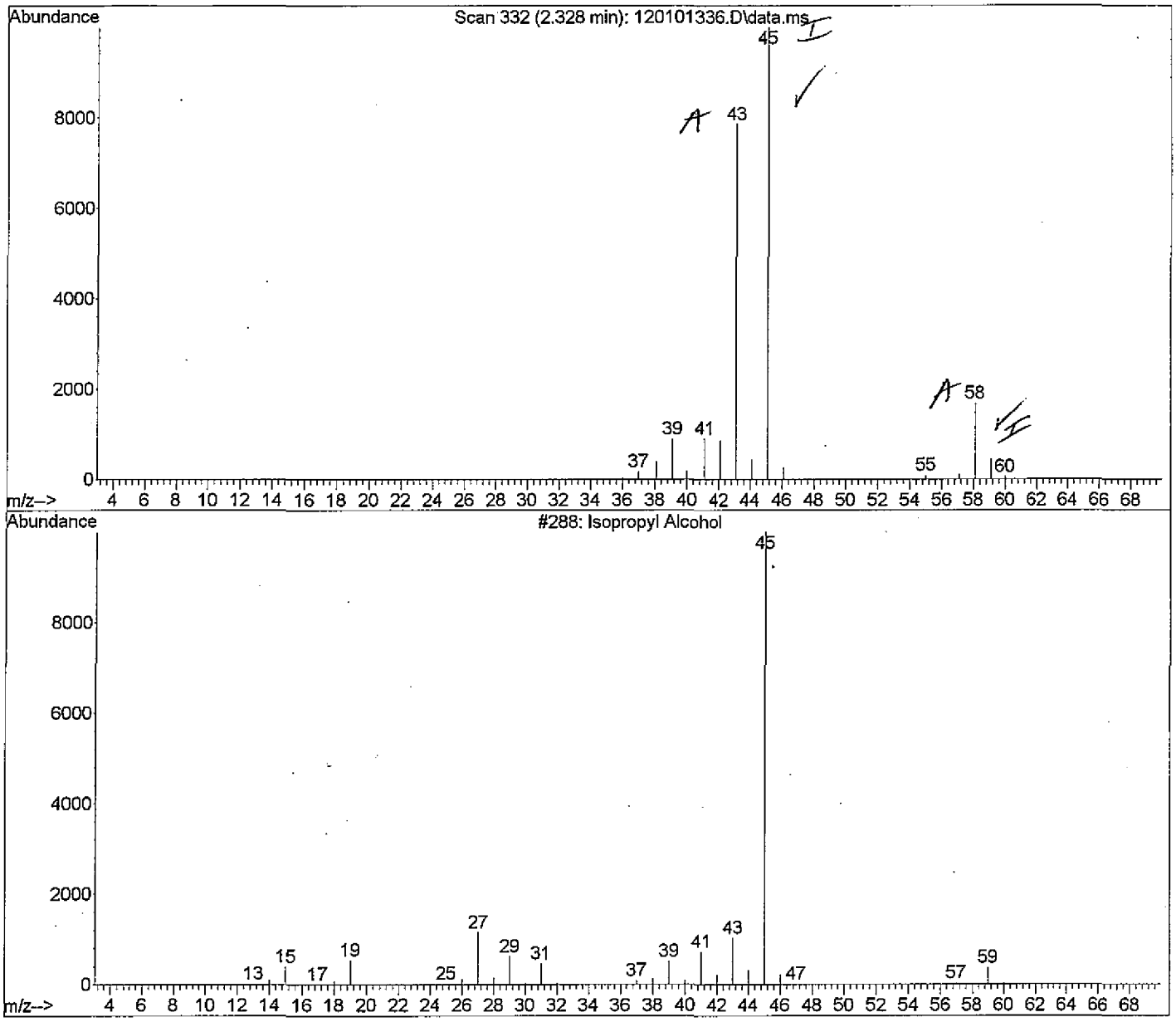
Data Path : D:\data\01312012\
Data File : 120101336.D
Acq On : 31 Jan 2012 8:48 pm
Operator : SCW OBB-AG5975
Sample : HW14P; L
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Isopropyl Alcohol	2.328	4.3	ug/L	1099250	1	6.380	1011660	4.0
Isopropyl Alcohol	2.328	4.3	ug/L	1099250	1	6.380	1011660	4.0

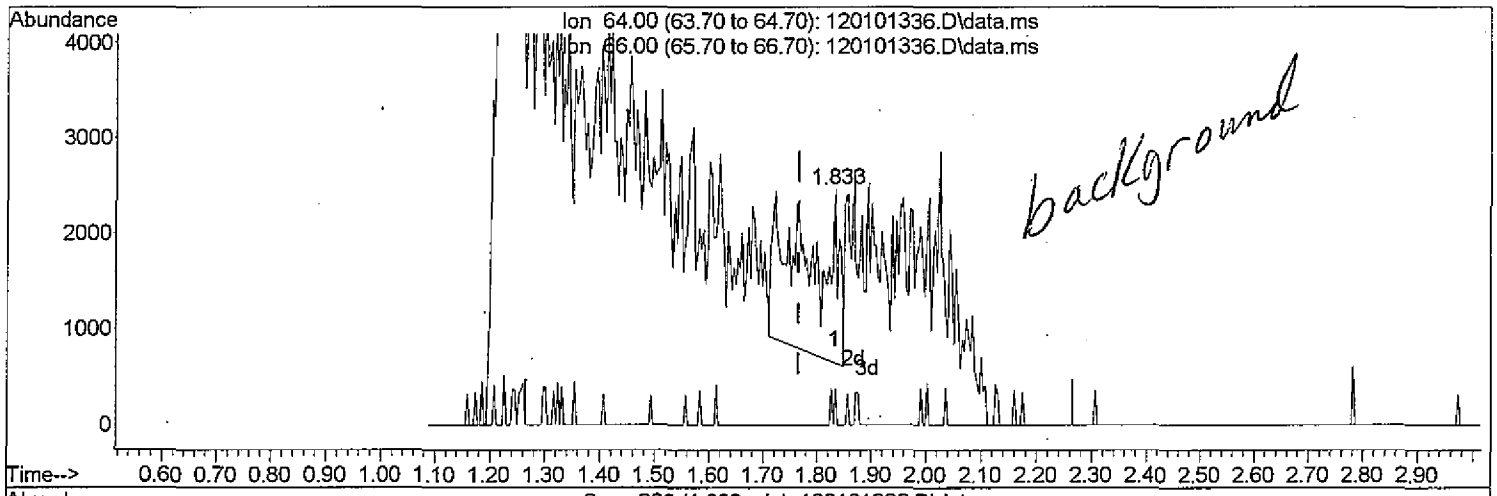
Library Searched : C:\Database\NIST05.L
Quality : 59
ID : Isopropyl Alcohol

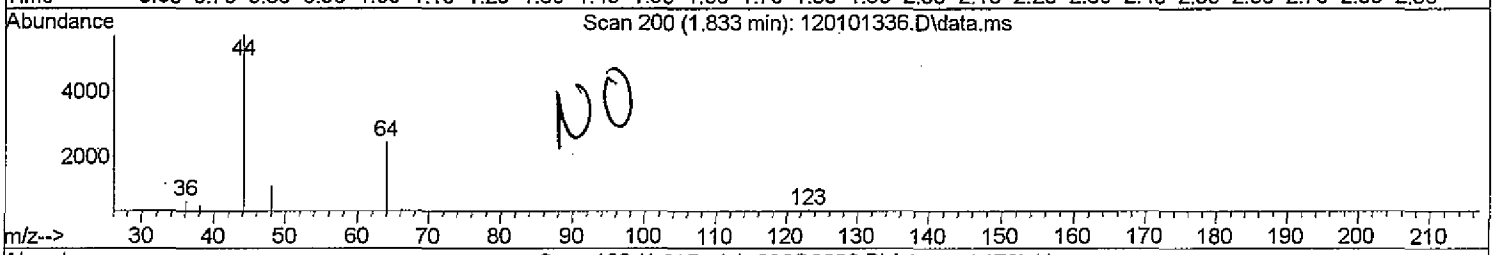


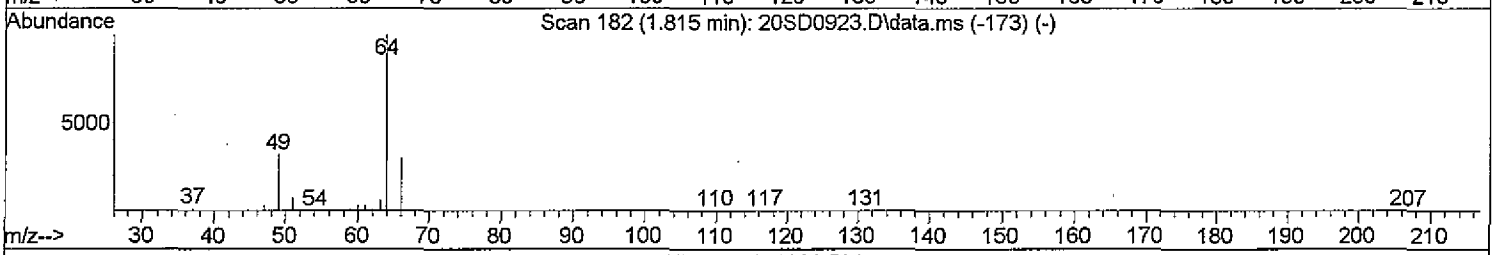
Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101336.D
Acq On : 31 Jan 2012 8:48 pm
Operator : SCW OBB-AG5975
Sample : HW14P; L
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 01 09:17:07 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration







TIC: 120101336.D\data.ms

(6) CHLOROETHANE (TMCP)

1.833min (+0.067) 0.31ug/L

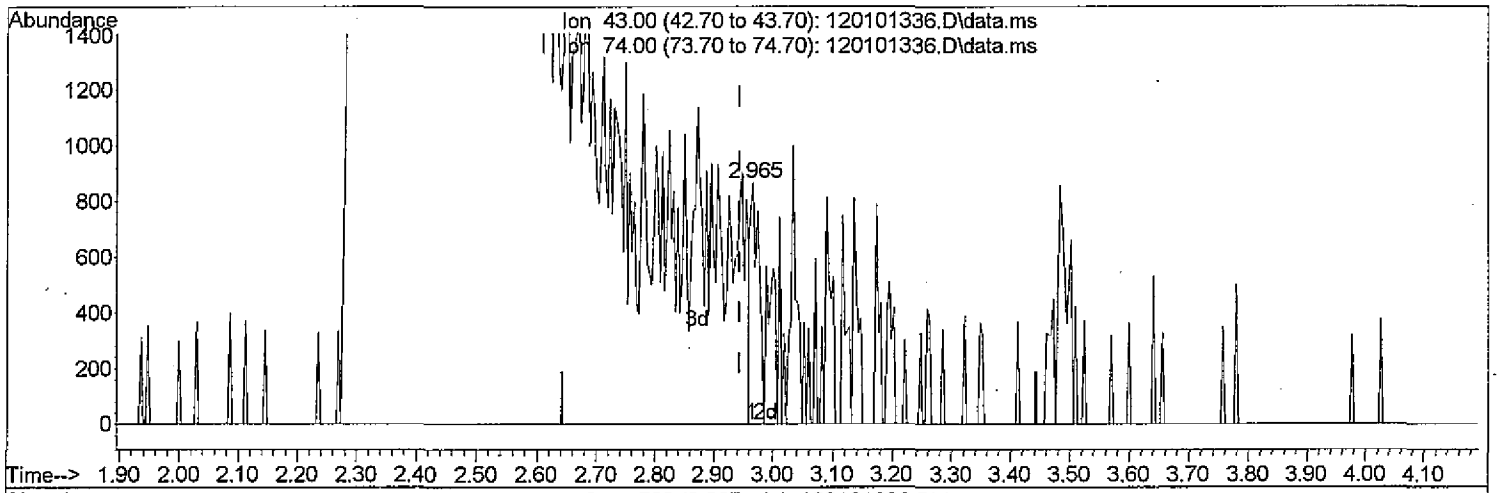
response 8104

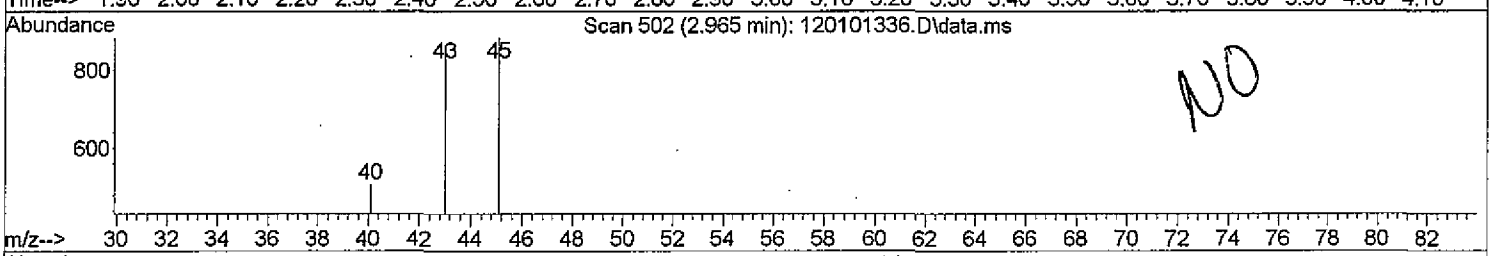
Ion	Exp%	Act%
64.00	100	100
66.00	31.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

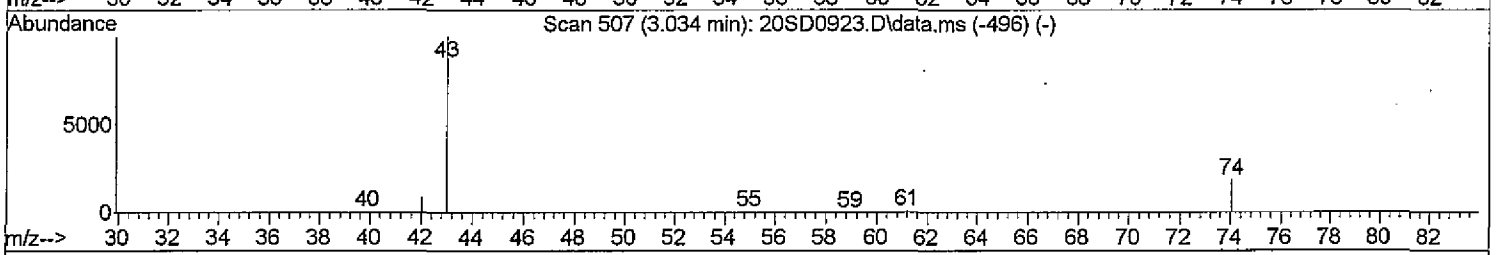
Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101336.D
Acq On : 31 Jan 2012 8:48 pm
Operator : SCW OBB-AG5975
Sample : HW14P; L
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 01 09:17:07 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration







TIC: 120101336.D\data.ms

(14) METHYL ACETATE (TMCP)

2.965min (+0.022) 0.14ug/L

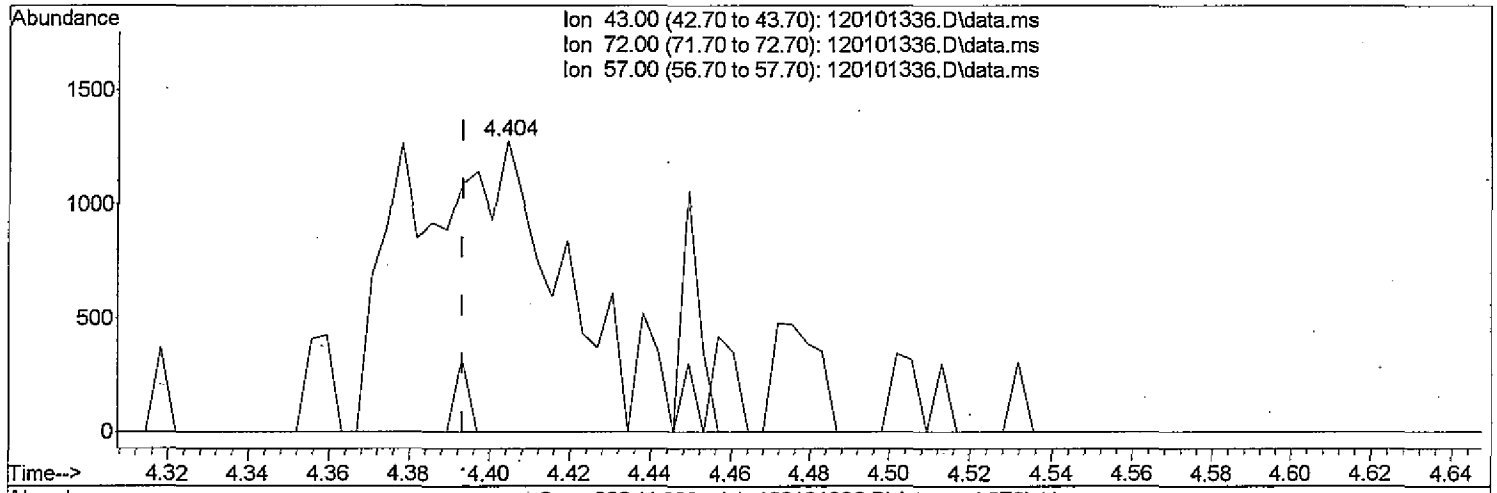
response 862

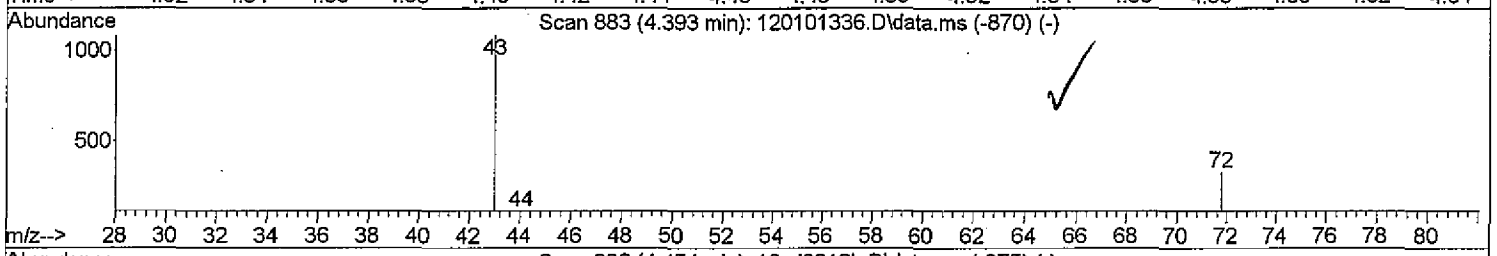
Ion	Exp%	Act%
43.00	100	100
74.00	19.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

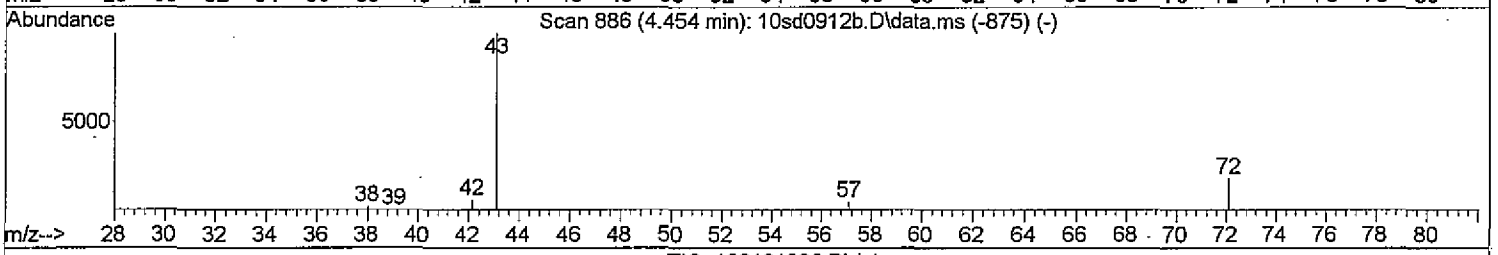
Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101336.D
Acq On : 31 Jan 2012 8:48 pm
Operator : SCW OBB-AG5975
Sample : HW14P; L
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 01 09:17:07 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration







TIC: 120101336.D\data.ms

(19) 2-BUTANONE (TMCP)

4.404min (+0.011) 0.97ug/L

response 3279

Ion	Exp%	Act%
43.00	100	100
72.00	18.60	0.00#
57.00	7.60	0.00#
0.00	0.00	0.00

Data Path : D:\data\01312012\
Data File : 120101345.D
Acq On : 31 Jan 2012 4:59 pm
Operator : SCW OBB-AG5975
Sample : TB05, B
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 01 09:44:28 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	476870	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	433296	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	184318	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.341	65	111290	4.36 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 109.00%	
42) TOLUENE-d8	8.475	98	586342	3.76 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 94.00%	
60) 4-BROMOFLUOROBENZENE	11.530	95	171734	3.87 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 96.75%	
Target Compounds					Qvalue
8) ACETONE	2.320	43	6332	1.55 ug/L # J	81
11) METHYLENE CHLORIDE	2.815	84	26338	1.08 ug/L #	78
19) 2-BUTANONE	4.389	43	1342	0.36 ug/L # J	64
22) CHLOROFORM	4.700	83	365500	7.68 ug/L	99
33) TRICHLOROETHENE	6.770	130	64555	2.03 ug/L	96
43) TOLUENE	8.554	92	55099	0.63 ug/L	97
53) M-XYLENE/P-XYLENE	10.766	106	8688	0.14 ug/L J	85
55) O-XYLENE	11.163	106	3835	0.06 ug/L J	97
76) NAPHTHALENE	14.623	128	11177	0.30 ug/L J	98

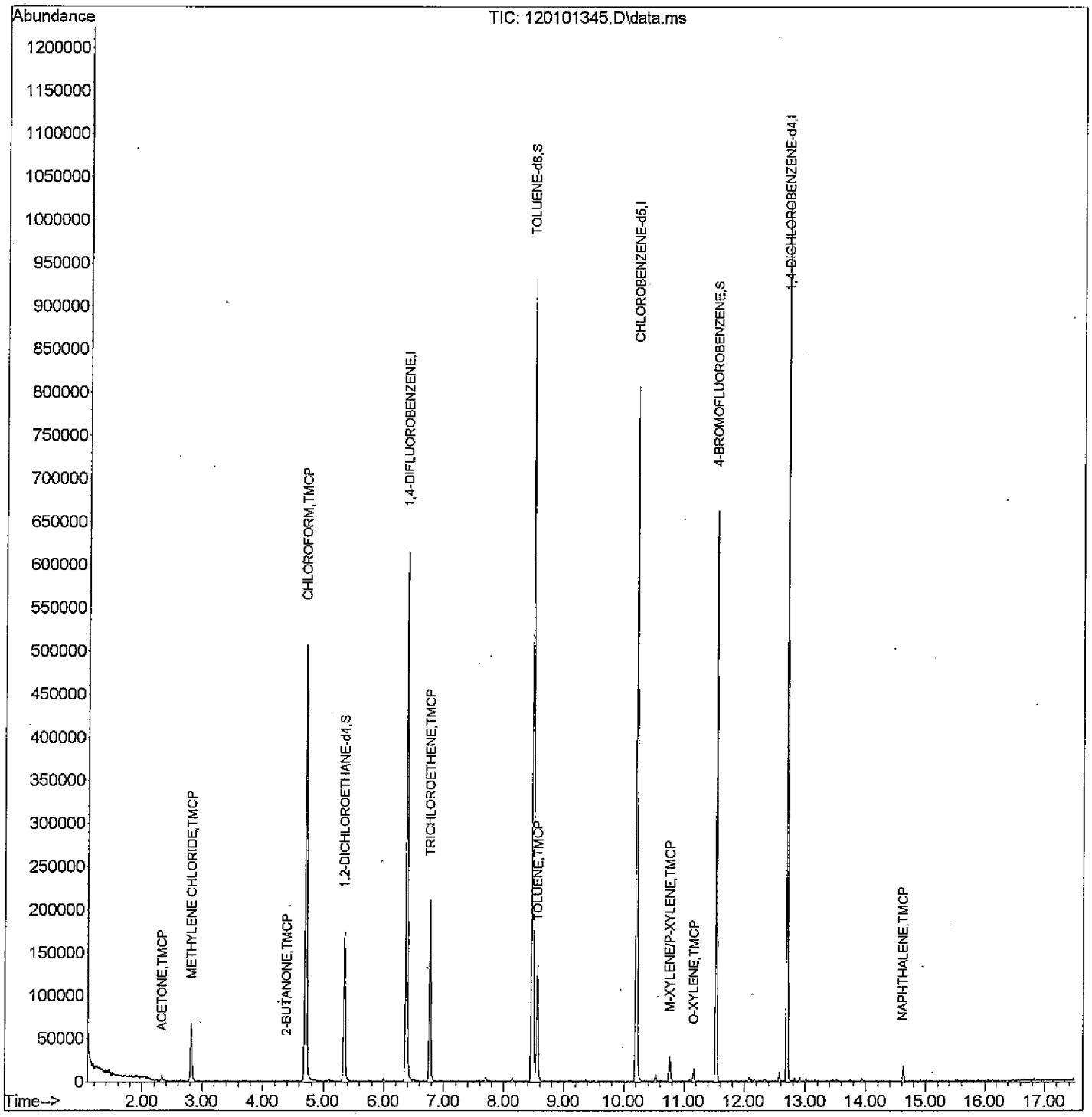
(#) = qualifier out of range (m) = manual integration (+) = signals summed

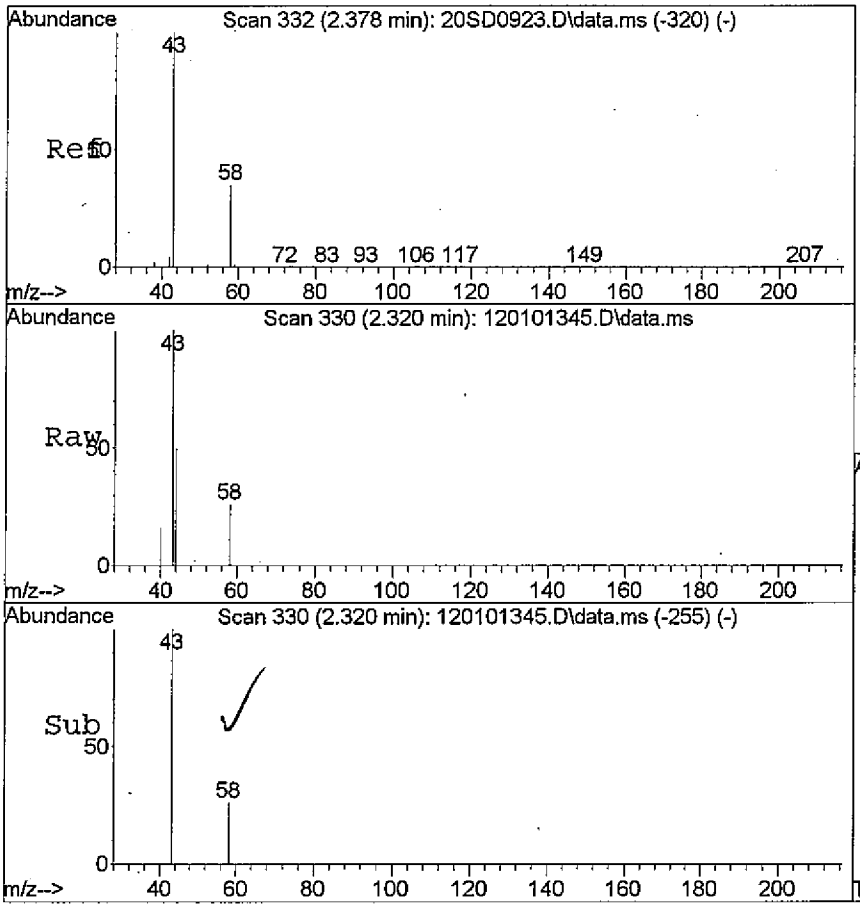
No TICs

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101345.D
Acq On : 31 Jan 2012 4:59 pm
Operator : SCW OBB-AG5975
Sample : TB05; B
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 01 09:44:28 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

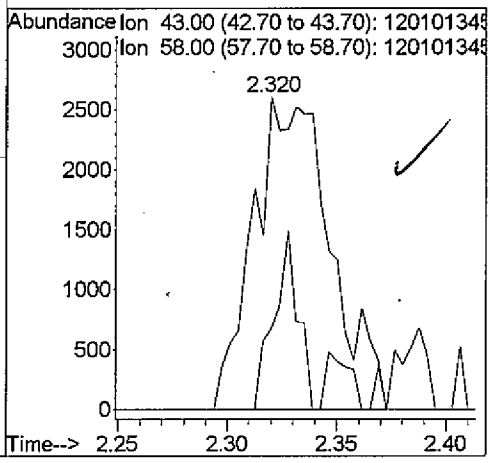


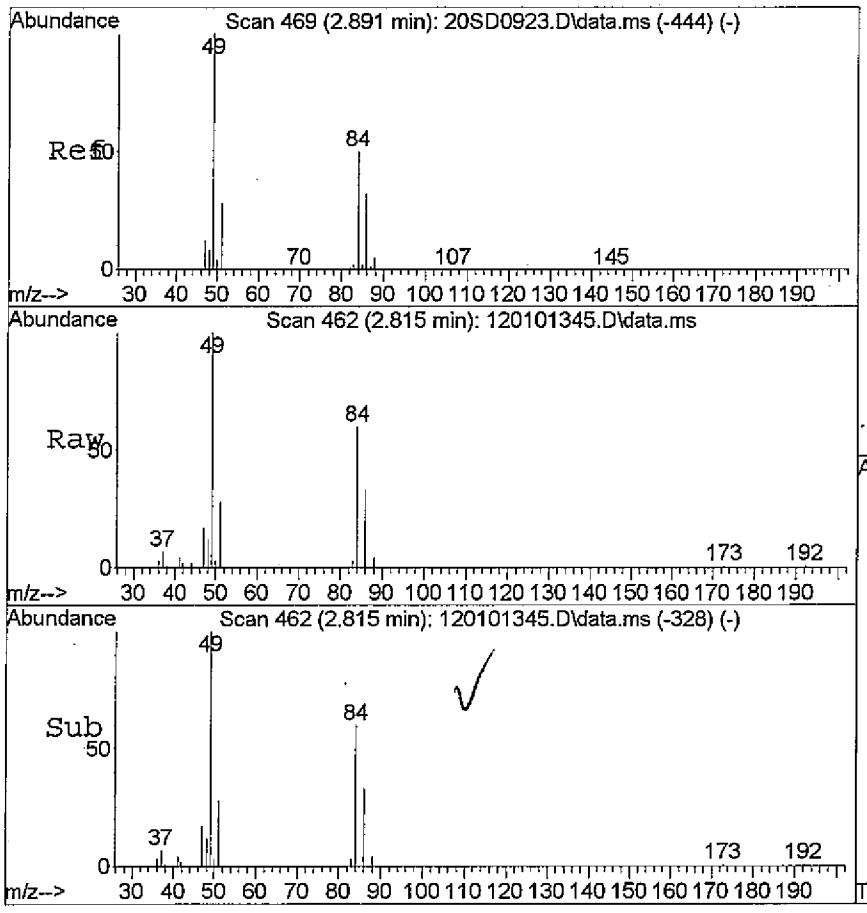


#8
ACETONE
Concen: 1.55 ug/L
RT: 2.320 min Scan# 330
Delta R.T. -0.019 min
Lab File: 120101345.D
Acq: 31 Jan 2012 4:59 pm

Tgt Ion: 43 Resp: 6332

Ion	Ratio	Lower	Upper
43	100		
58	17.9	22.5	33.7#

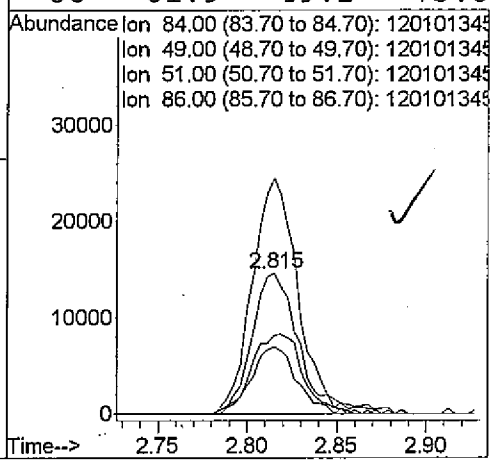


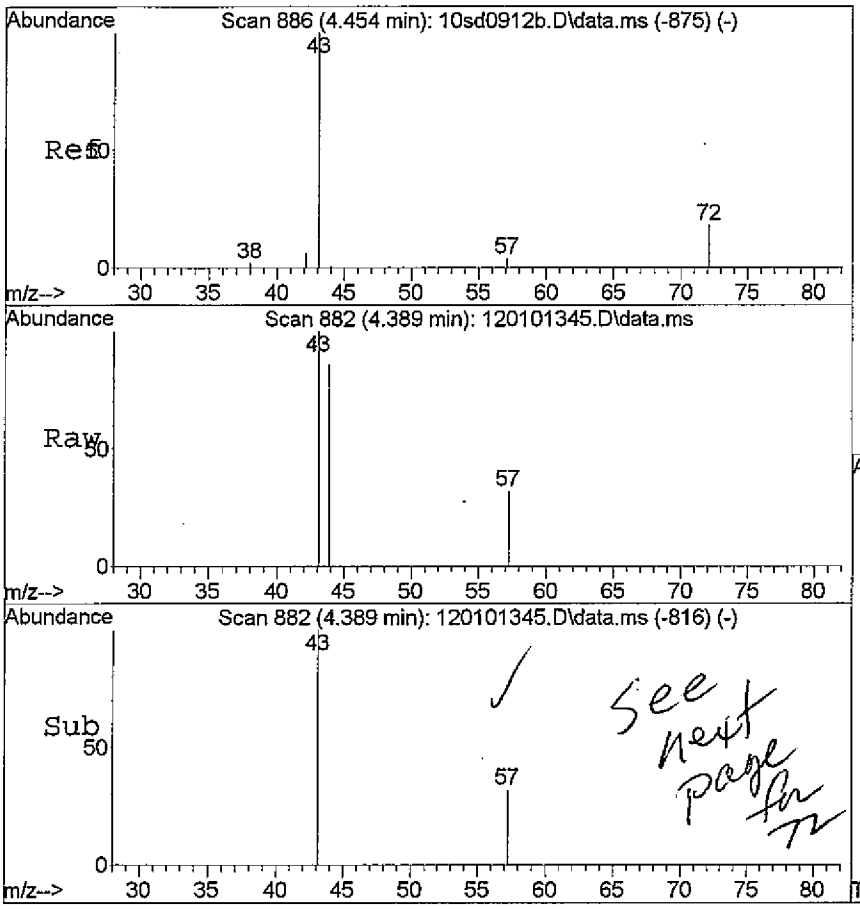


#11
METHYLENE CHLORIDE
Concen: 1.08 ug/L
RT: 2.815 min Scan# 462
Delta R.T. 0.004 min
Lab File: 120101345.D
Acq: 31 Jan 2012 4:59 pm

Tgt Ion: 84 Resp: 26338

Ion	Ratio	Lower	Upper
84	100		
49	167.6	102.1	153.1#
51	46.6	31.0	46.6#
86	61.9	49.2	73.8



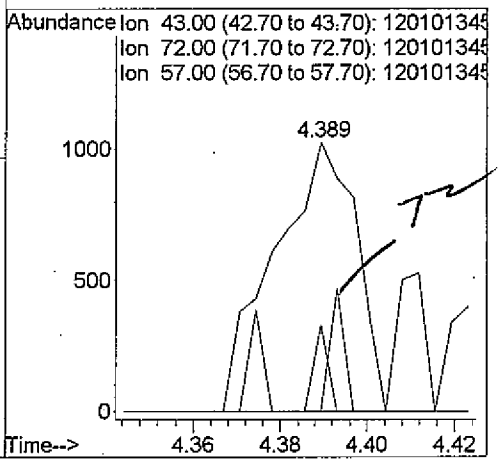


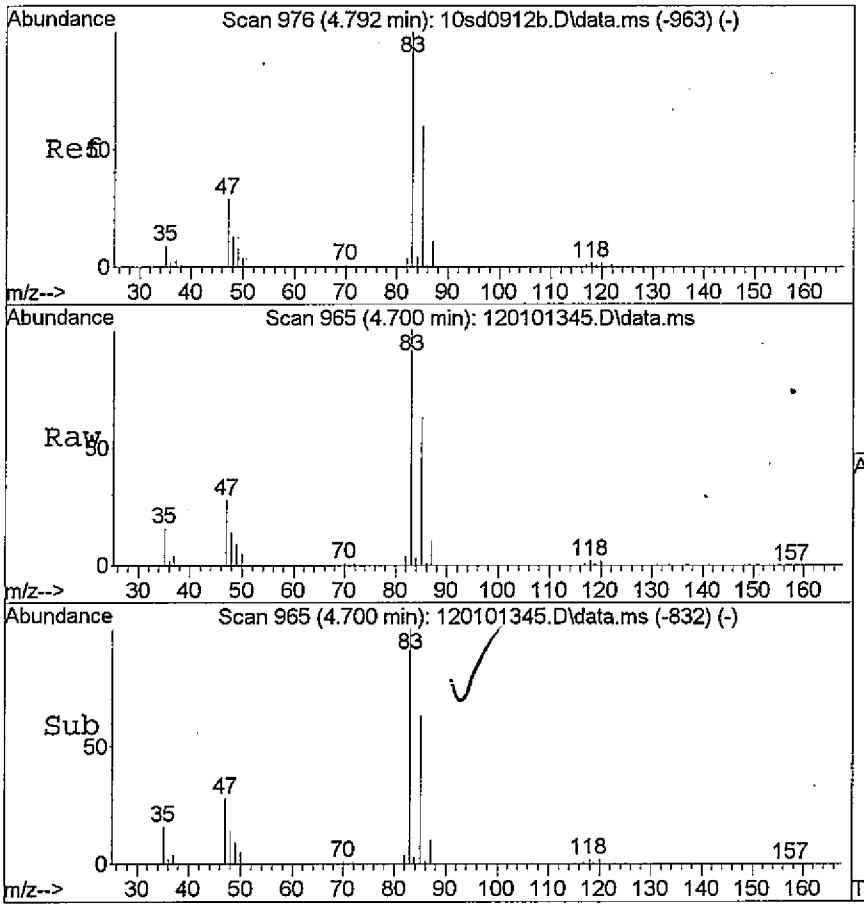
See next page for TIC

#19
2-BUTANONE
Concen: 0.36 ug/L
RT: 4.389 min Scan# 882
Delta R.T. -0.004 min
Lab File: 120101345.D
Acq: 31 Jan 2012 4:59 pm

Tgt Ion: 43 Resp: 1342

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.9	22.3#
57	0.0	6.1	9.1#

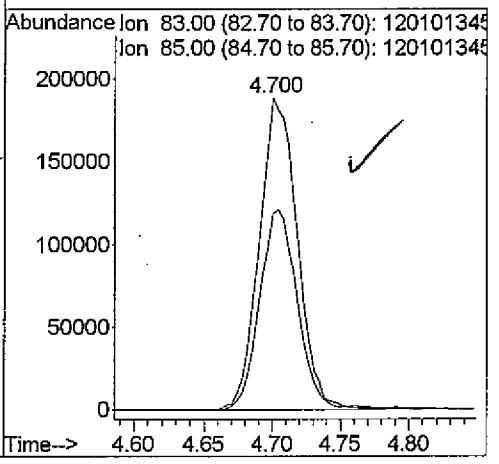




#22
CHLOROFORM
Concen: 7.68 ug/L
RT: 4.700 min Scan# 965
Delta R.T. -0.000 min
Lab File: 120101345.D
Acq: 31 Jan 2012 4:59 pm

Tgt Ion: 83 Resp: 365500

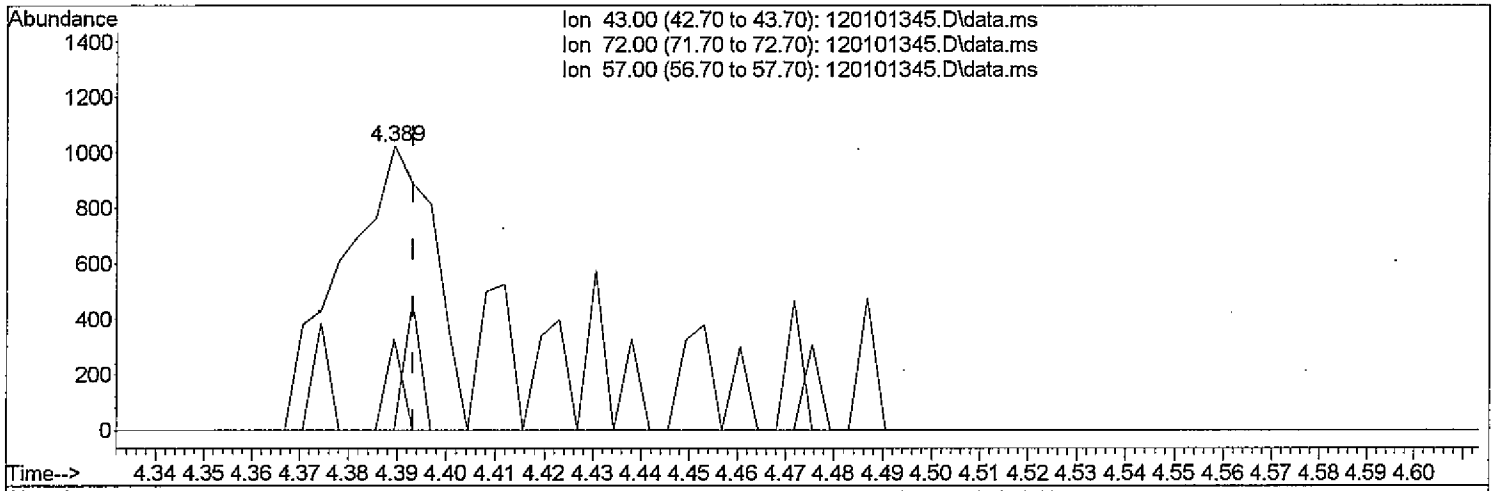
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.3	76.9

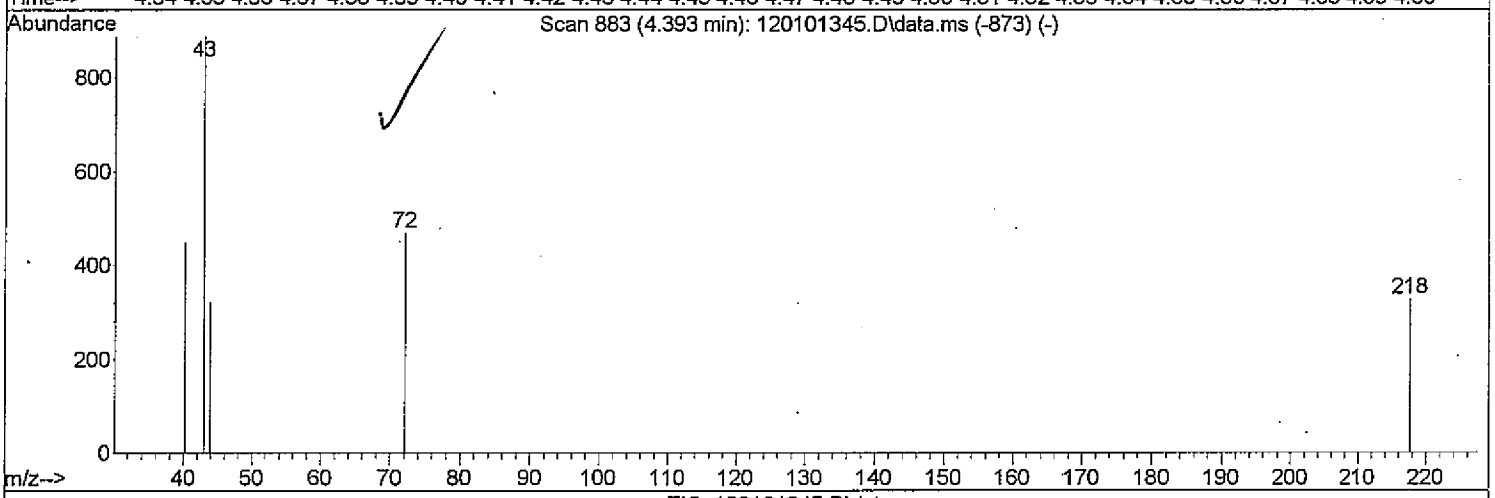


Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101345.D
Acq On : 31 Jan 2012 4:59 pm
Operator : SCW OBB-AG5975
Sample : TB05; B
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 01 09:44:28 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration





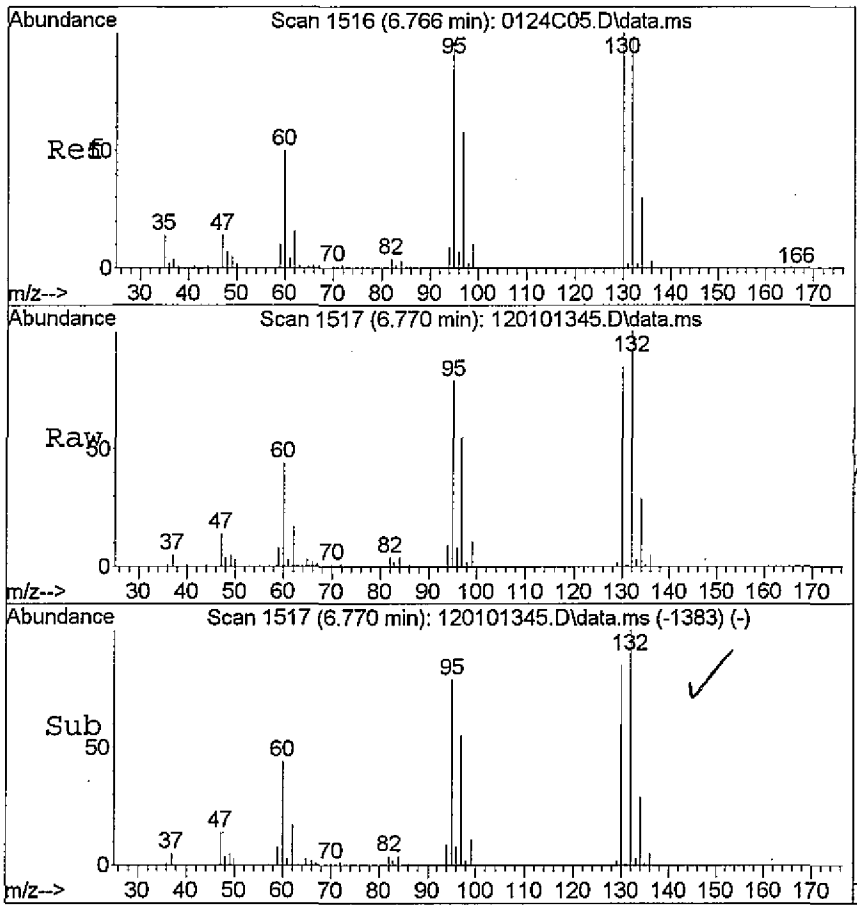
TIC: 120101345.D\data.ms

(19) 2-BUTANONE (TMCP)

4.389min (-0.004) 0.36ug/L

response 1342

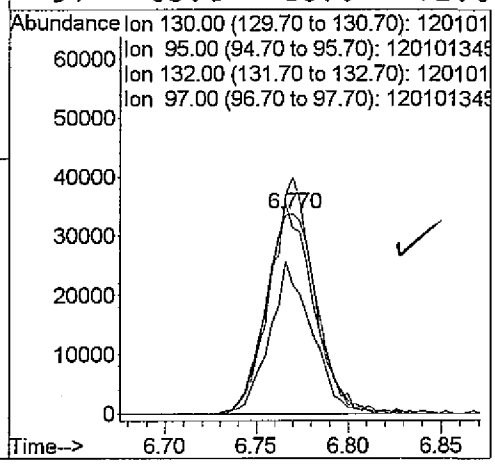
Ion	Exp%	Act%
43.00	100	100
72.00	18.60	0.00#
57.00	7.60	0.00#
0.00	0.00	0.00

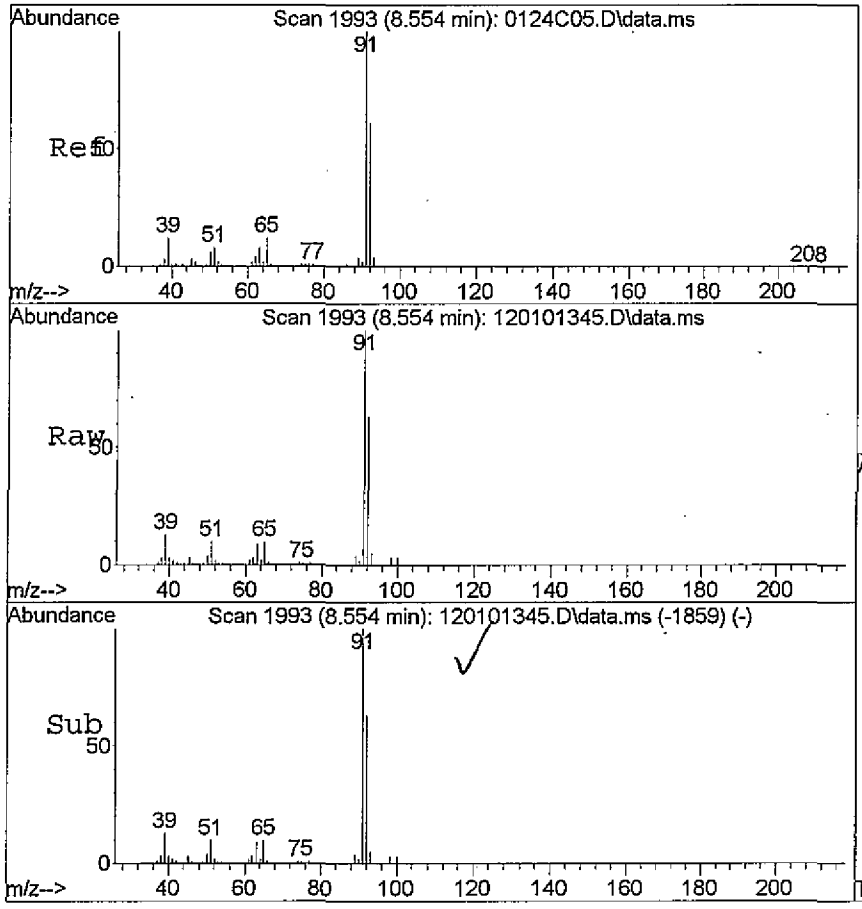


#33
TRICHLOROETHENE
Concen: 2.03 ug/L
RT: 6.770 min Scan# 1517
Delta R.T. 0.004 min
Lab File: 120101345.D
Acq: 31 Jan 2012 4:59 pm

Tgt Ion:130 Resp: 64555

Ion	Ratio	Lower	Upper
130	100		
95	95.0	74.6	111.8
132	103.3	77.6	116.4
97	63.4	48.0	72.0

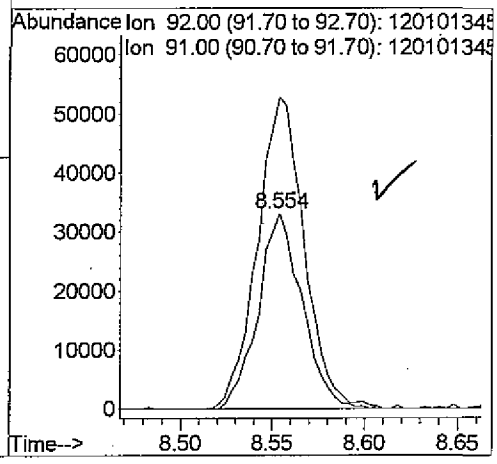


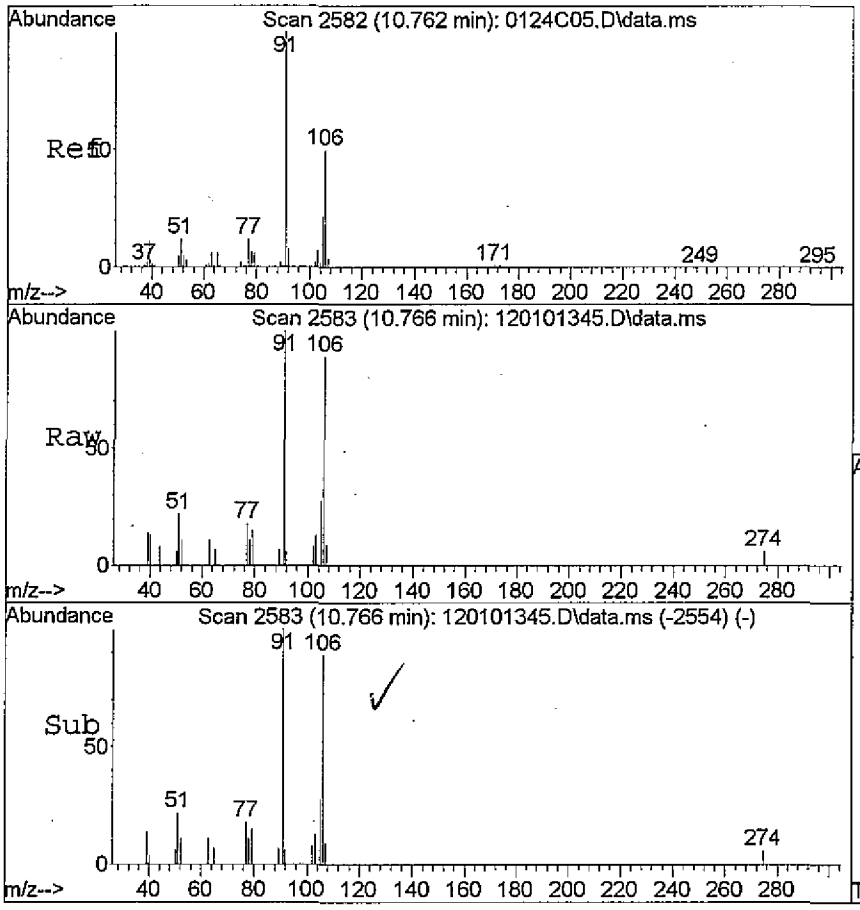


#43
TOLUENE
Concen: 0.63 ug/L
RT: 8.554 min Scan# 1993
Delta R.T. 0.004 min
Lab File: 120101345.D
Acq: 31 Jan 2012 4:59 pm

Tgt Ion: 92 Resp: 55099

Ion	Ratio	Lower	Upper
92	100		
91	169.3	139.3	208.9

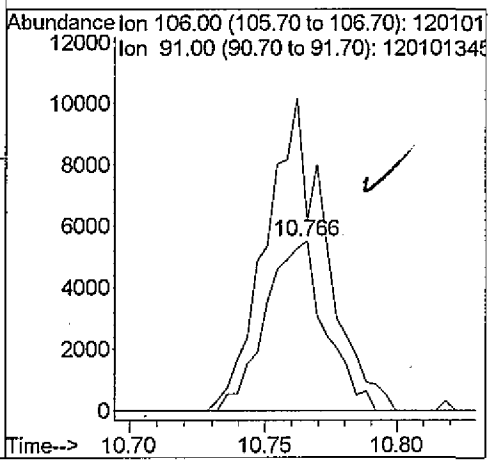


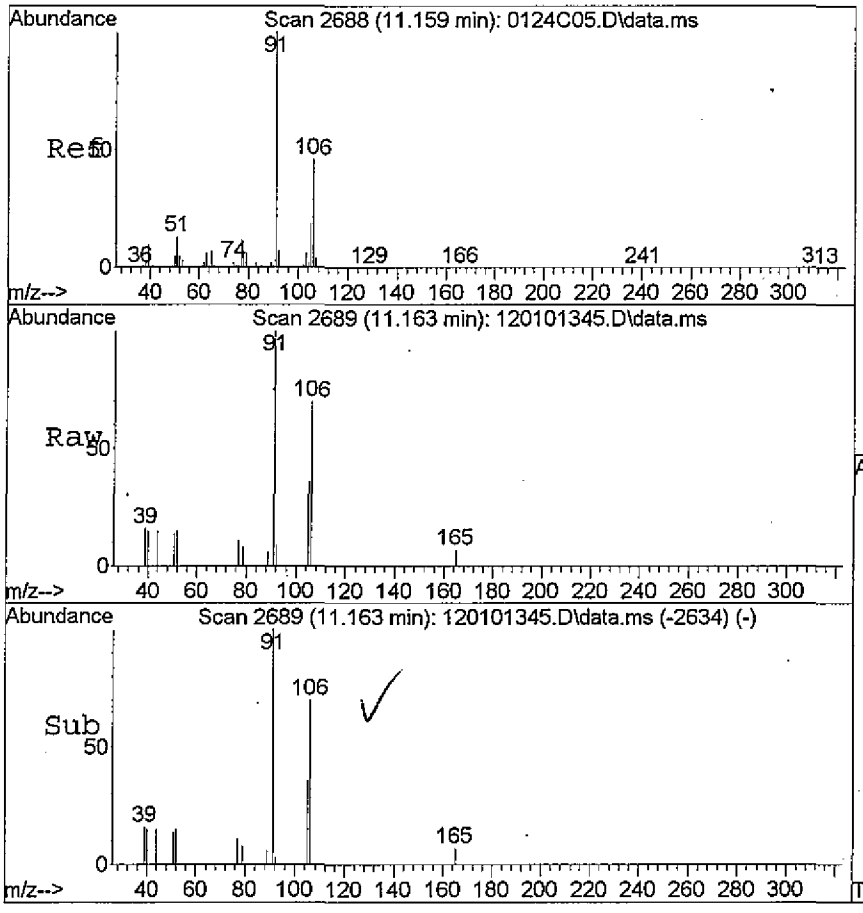


#53
M-XYLENE/P-XYLENE
Concen: 0.14 ug/L
RT: 10.766 min Scan# 2583
Delta R.T. 0.007 min
Lab File: 120101345.D
Acq: 31 Jan 2012 4:59 pm

Tgt Ion:106 Resp: 8688

Ion	Ratio	Lower	Upper
106	100		
91	183.4	164.8	247.2

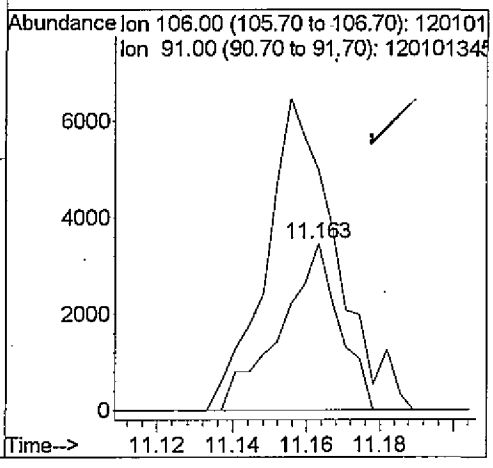


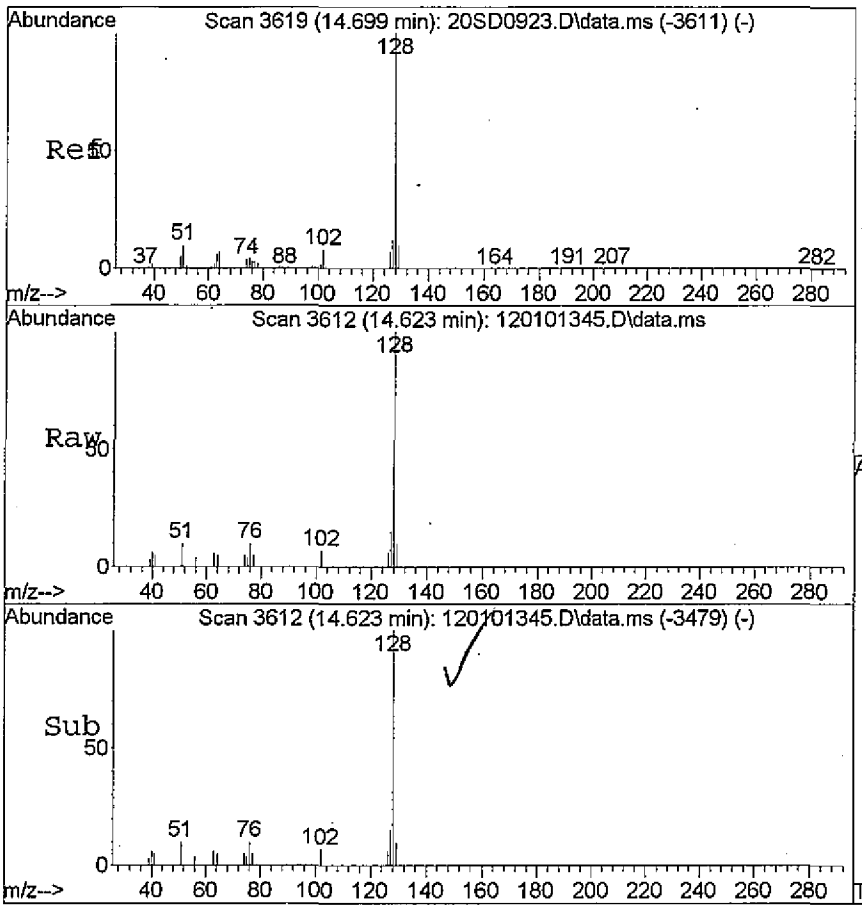


#55
O-XYLENE
Concen: 0.06 ug/L
RT: 11.163 min Scan# 2689
Delta R.T. 0.007 min
Lab File: 120101345.D
Acq: 31 Jan 2012 4:59 pm

Tgt Ion:106 Resp: 3835

Ion	Ratio	Lower	Upper
106	100		
91	221.6	173.3	259.9

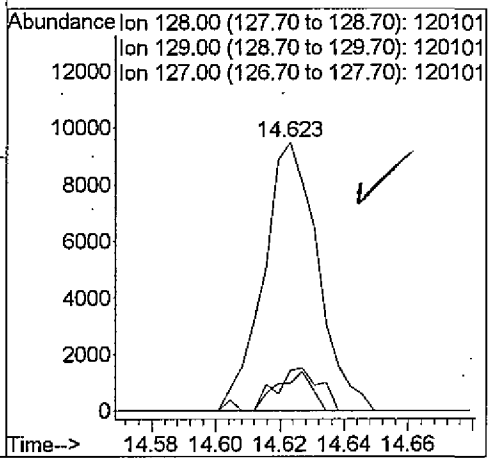




#76
NAPHTHALENE
Concen: 0.30 ug/L
RT: 14.623 min Scan# 3612
Delta R.T. -0.000 min
Lab File: 120101345.D
Acq: 31 Jan 2012 4:59 pm

Tgt Ion:128 Resp: 11177

Ion	Ratio	Lower	Upper
128	100		
129	9.4	8.7	13.1
127	12.9	10.2	15.2



LSC Area Percent Report

Data Path : D:\data\01312012\
Data File : 120101345.D
Acq On : 31 Jan 2012 4:59 pm
Operator : SCW OBB-AG5975
Sample : TB05; B
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.815	451	462	480	rBV2	68164	128370	8.05%	1.549%
2	4.700	952	965	993	rBV2	506837	988656	61.98%	11.928%
3	5.341	1121	1136	1151	rBV3	173808	326726	20.48%	3.942%
4	6.380	1398	1413	1429	rBV	616061	1107079	69.41%	13.357%
5	6.766	1502	1516	1538	rVB2	210990	376969	23.63%	4.548%
6	8.472	1958	1971	1984	rBV	931343	1595077	100.00%	19.245%
7	8.554	1984	1993	2008	rVB	134367	246212	15.44%	2.971%
8	10.200	2420	2432	2458	rBV	807376	1355734	84.99%	16.357%
9	10.762	2570	2582	2593	rVB4	29436	50108	3.14%	0.605%
10	11.163	2679	2689	2696	rBV2	15469	22356	1.40%	0.270%
11	11.530	2777	2787	2801	rBV	663084	860136	53.92%	10.378%
12	12.700	3090	3099	3113	rVB	1019773	1202688	75.40%	14.510%
13	14.619	3602	3611	3620	rVB3	19720	28303	1.77%	0.341%

Sum of corrected areas: 8288414

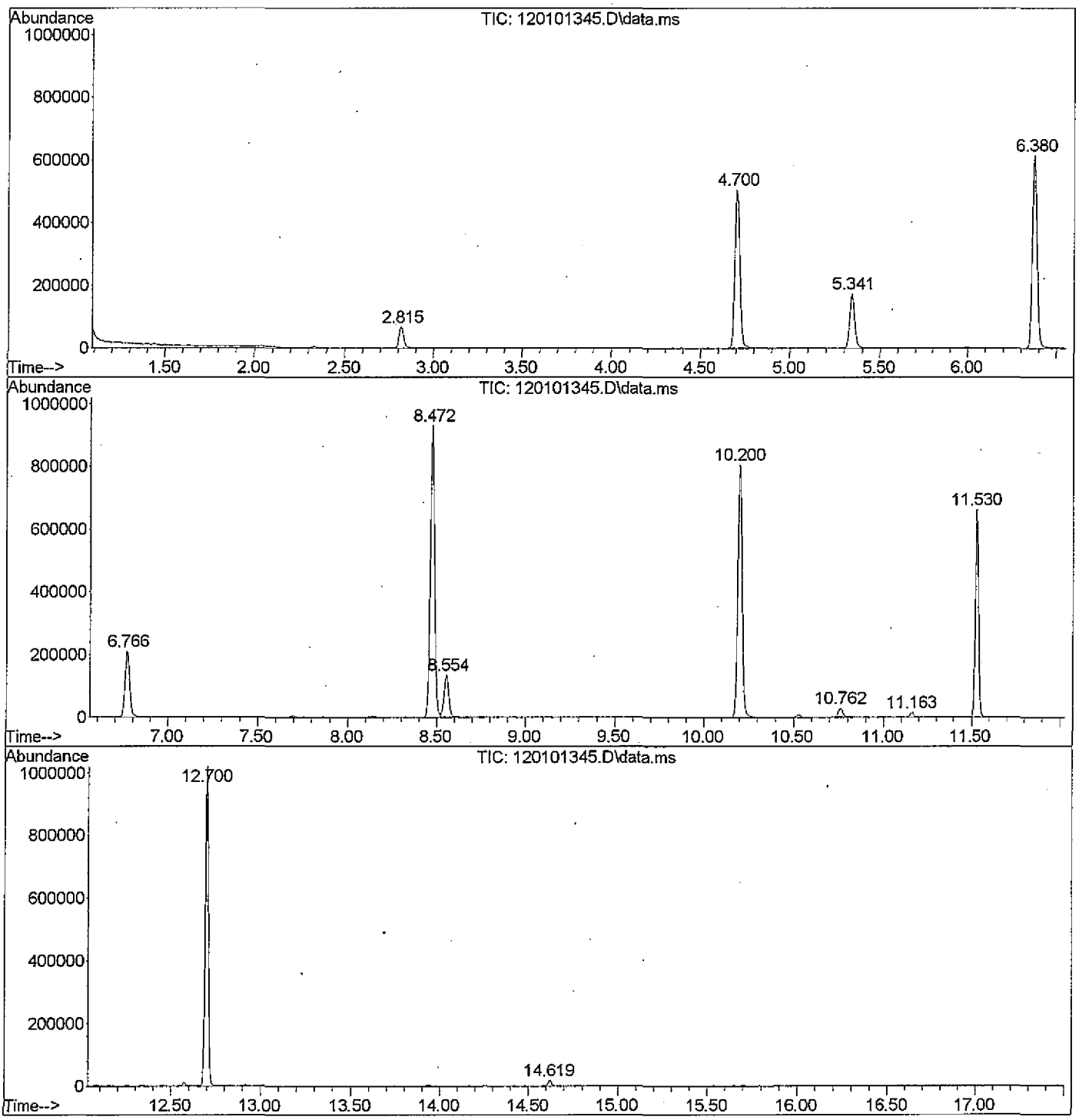
DIM0218843 DIM0219494

LSC Report - Integrated Chromatogram

Data Path : D:\data\01312012\
Data File : 120101345.D
Acq On : 31 Jan 2012 4:59 pm
Operator : SCW OBB-AG5975
Sample : TB05; B
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01312012\
Data File : 120101345.D
Acq On : 31 Jan 2012 4:59 pm
Operator : SCW OBB-AG5975
Sample : TB05; B
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01312012\
Data File : 120101345.D
Acq On : 31 Jan 2012 4:59 pm
Operator : SCW OBB-AG5975
Sample : TB05; B
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

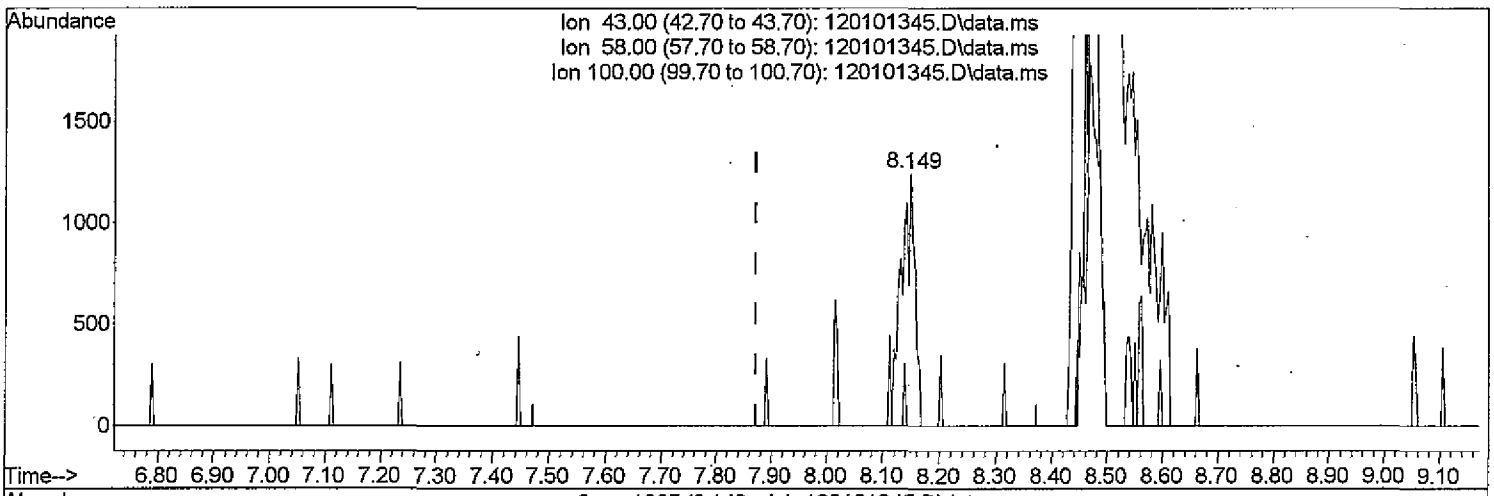
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

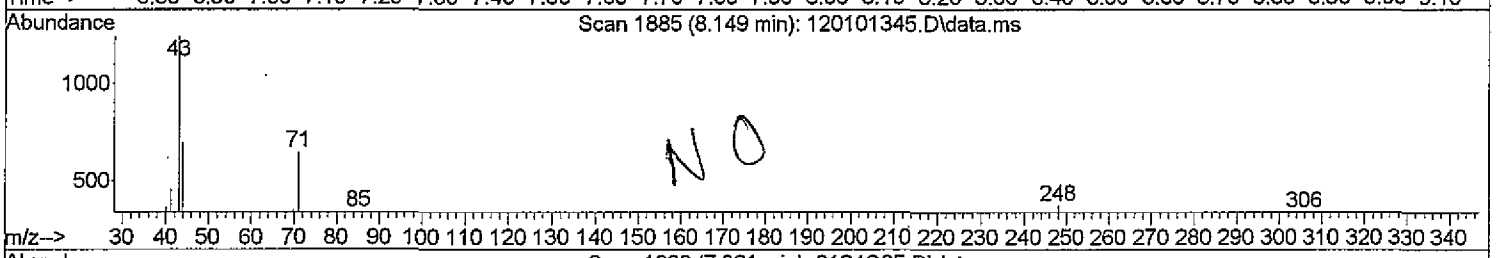
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

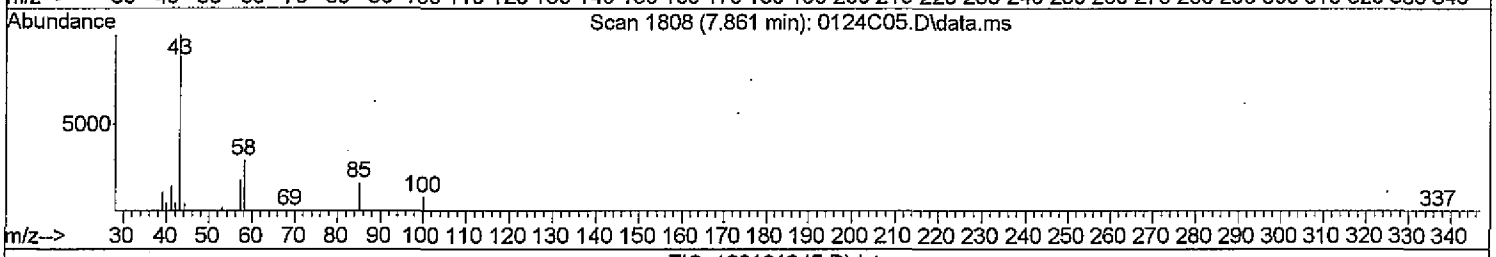
Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101345.D
Acq On : 31 Jan 2012 4:59 pm
Operator : SCW OBB-AG5975
Sample : TB05; B
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 01 09:18:19 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration







TIC: 120101345.D\data.ms

(39) 4-METHYL-2-PENTANONE (TMCP)

8.149min (+0.277) 0.22ug/L NO

response 2072

Ion	Exp%	Act%
43.00	100	100
58.00	36.60	0.00#
100.00	12.60	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101346.D
Acq On : 31 Jan 2012 4:29 pm
Operator : SCW OBB-AG5975
Sample : TB07; C
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 01 09:47:06 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	462003	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.203	117	429900	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	186435	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.345	65	111436	4.51 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery = 112.75%		
42) TOLUENE-d8	8.471	98	568056	3.68 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery = 92.00%		
60) 4-BROMOFLUOROBENZENE	11.530	95	169487	3.78 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery = 94.50%		

Target Compounds					Qvalue
8) ACETONE	2.331	43	5085	1.29 ug/L # J	82
11) METHYLENE CHLORIDE	2.818	84	25828	1.09 ug/L #	76
19) 2-BUTANONE	4.393	43	1566	0.43 ug/L # J	64
22) CHLOROFORM	4.704	83	354821	7.70 ug/L	100
33) TRICHLOROETHENE	6.770	130	47449	1.54 ug/L	94
43) TOLUENE	8.558	92	48986	0.56 ug/L	96
53) M-XYLENE/P-XYLENE	10.758	106	6746	0.11 ug/L J	88
76) NAPHTHALENE	14.623	128	12108	0.32 ug/L # J	90

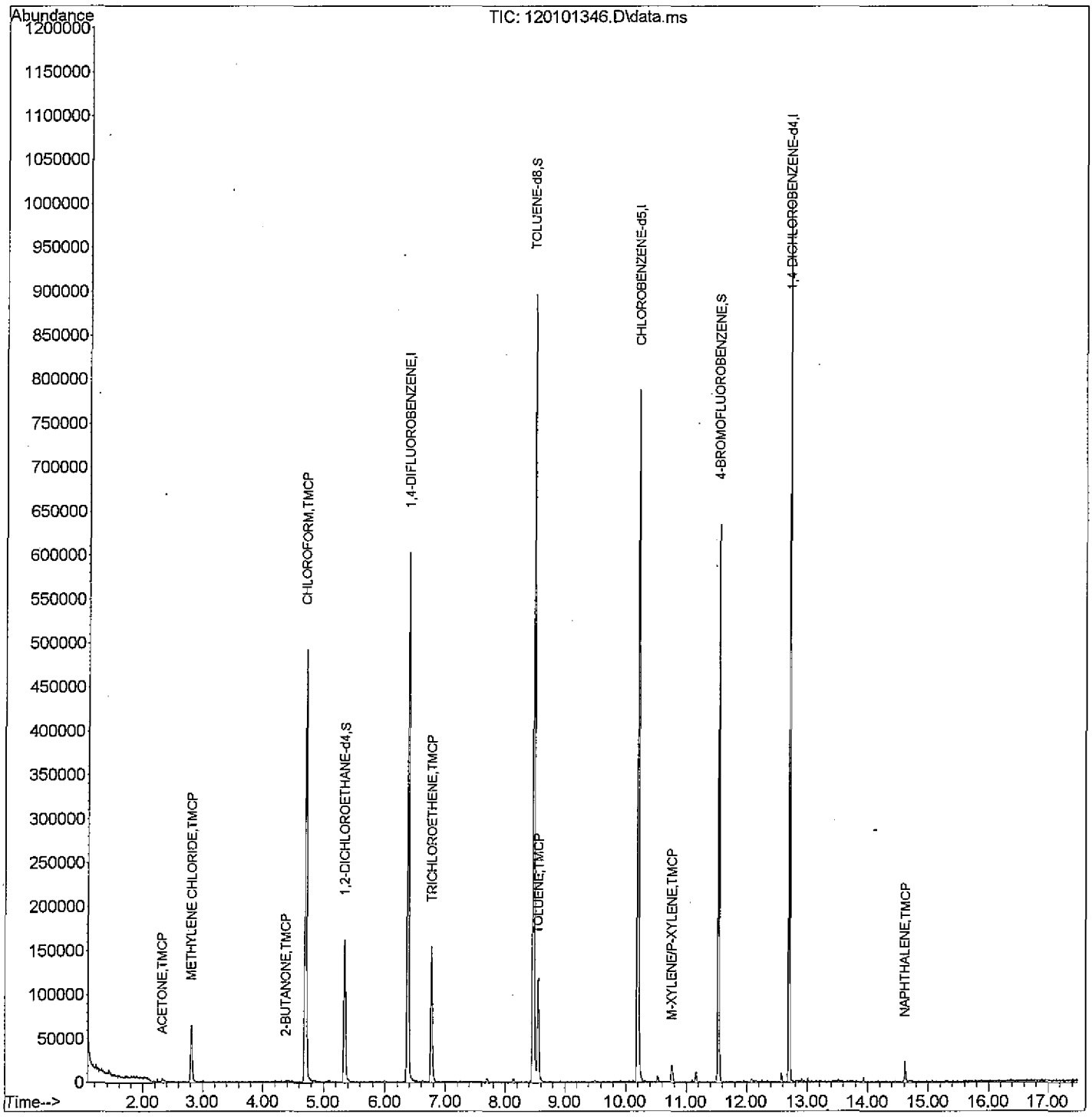
(#) = qualifier out of range (m) = manual integration (+) = signals summed

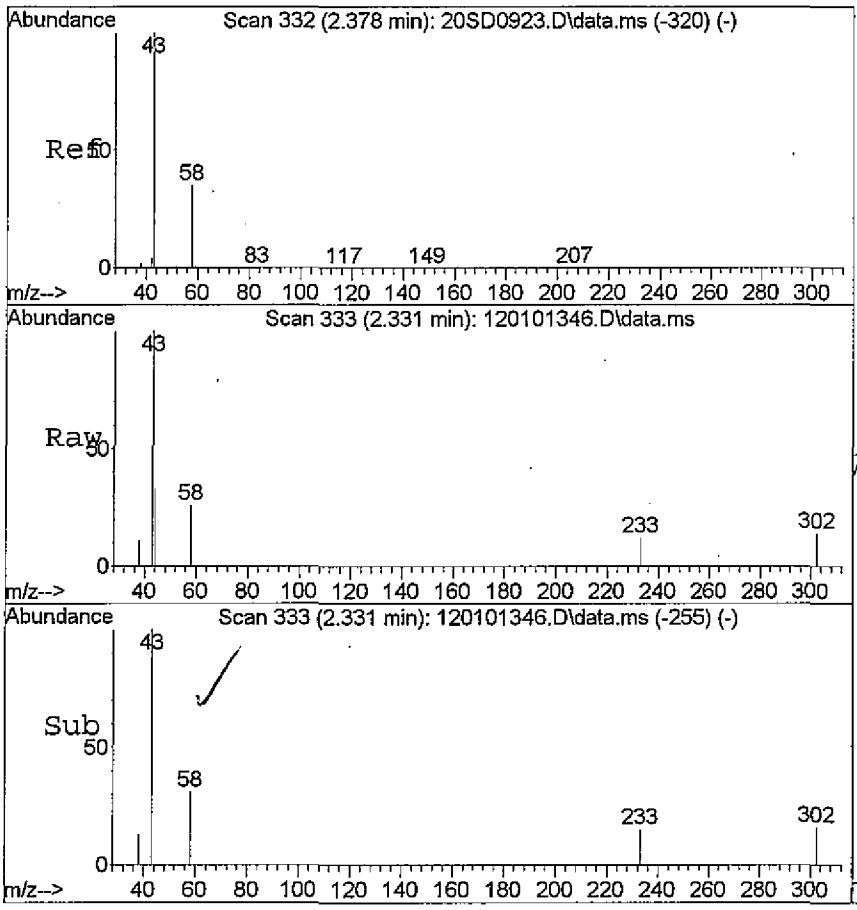
NO TICS

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101346.D
Acq On : 31 Jan 2012 4:29 pm
Operator : SCW OBB-AG5975
Sample : TB07; C
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 01 09:47:06 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

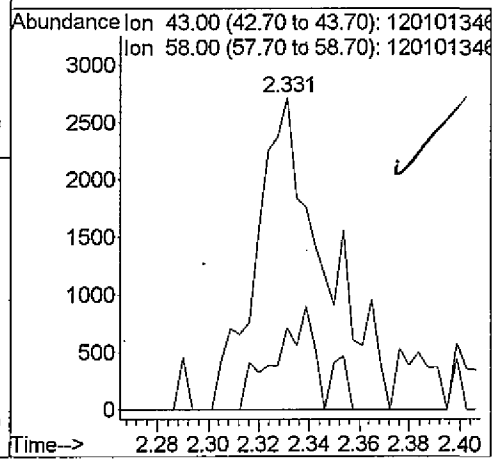


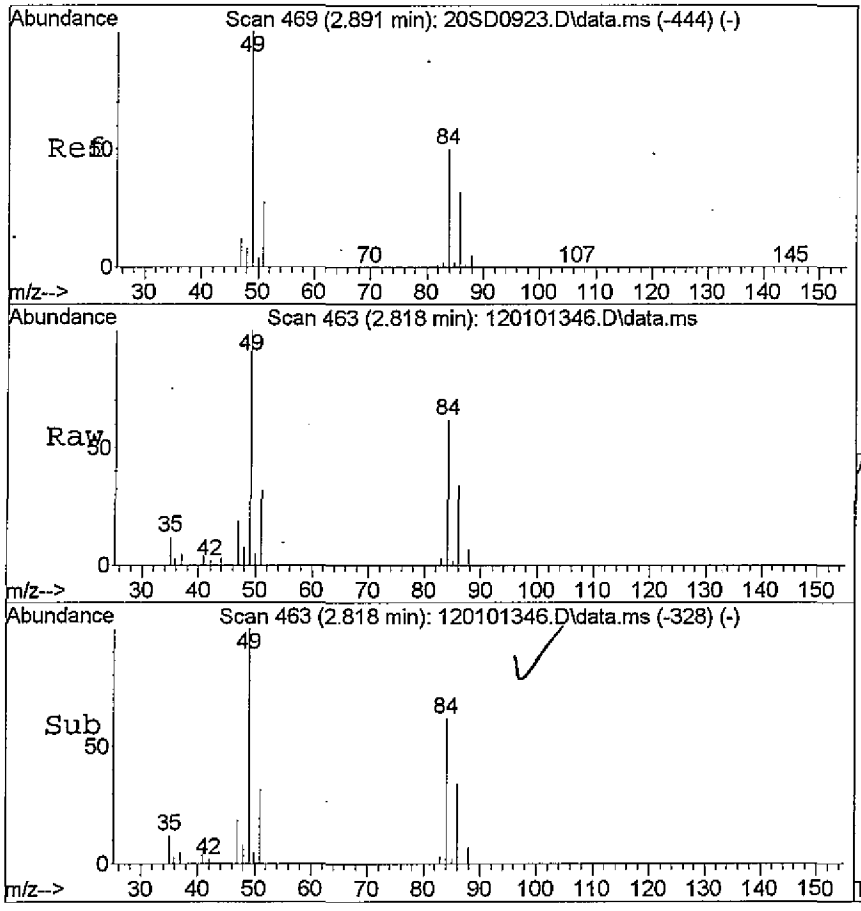


#8
ACETONE
Concen: 1.29 ug/L
RT: 2.331 min Scan# 333
Delta R.T. -0.008 min
Lab File: 120101346.D
Acq: 31 Jan 2012 4:29 pm

Tgt Ion: 43 Resp: 5085

Ion	Ratio	Lower	Upper
43	100		
58	18.5	22.5	33.7#

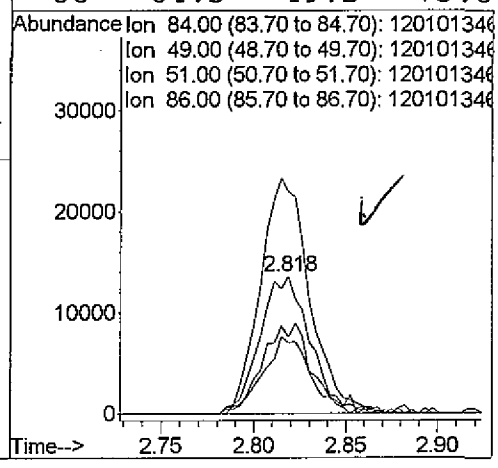


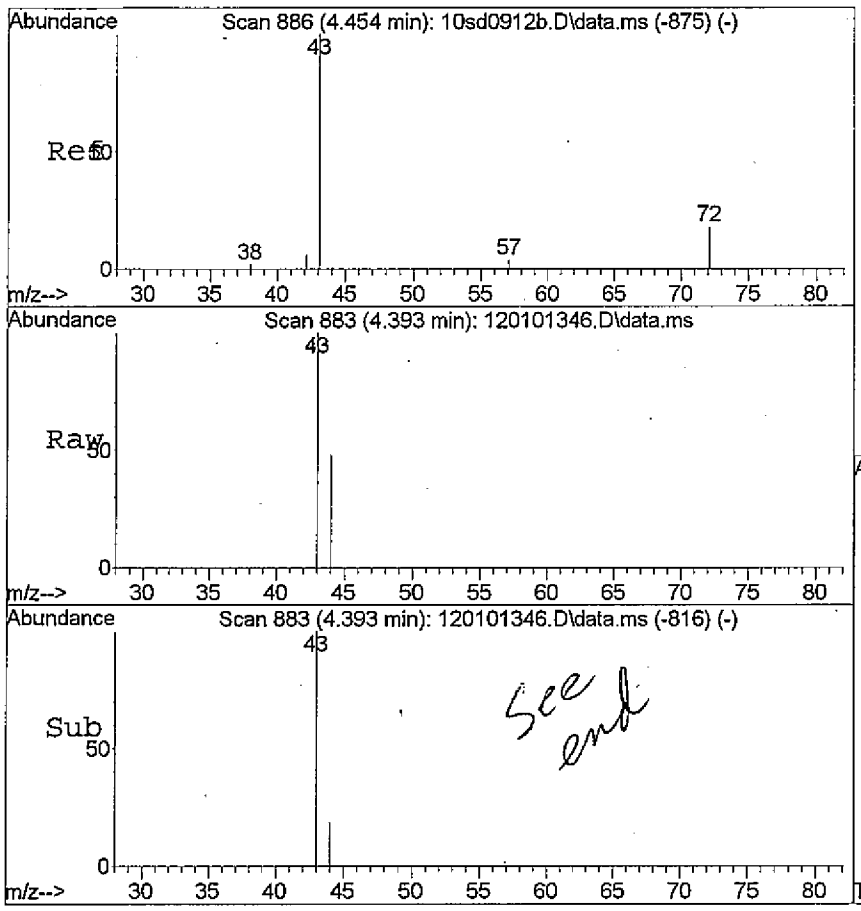


#11
METHYLENE CHLORIDE
Concen: 1.09 ug/L
RT: 2.818 min Scan# 463
Delta R.T. 0.007 min
Lab File: 120101346.D
Acq: 31 Jan 2012 4:29 pm

Tgt Ion: 84 Resp: 25828

Ion	Ratio	Lower	Upper
84	100		
49	167.1	102.1	153.1#
51	51.3	31.0	46.6#
86	64.5	49.2	73.8

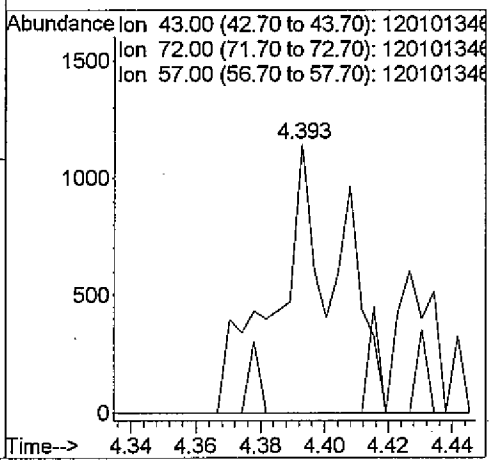


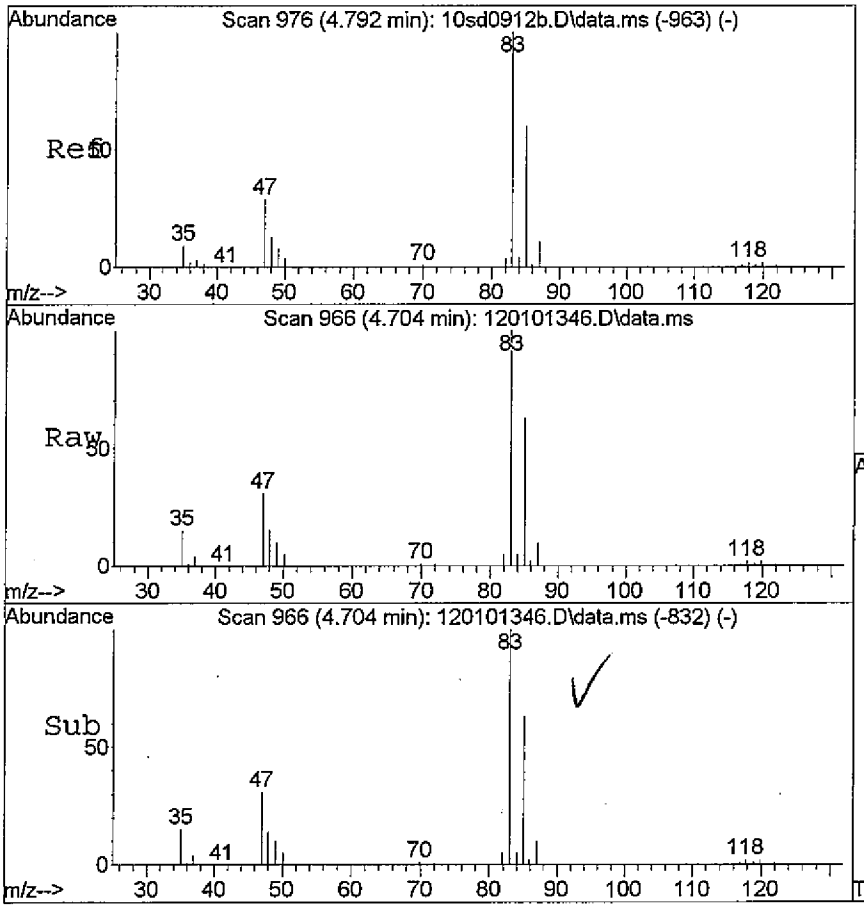


#19
2-BUTANONE
Concen: 0.43 ug/L
RT: 4.393 min Scan# 883
Delta R.T. -0.000 min ✓
Lab File: 120101346.D
Acq: 31 Jan 2012 4:29 pm

Tgt Ion: 43 Resp: 1566

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.9	22.3#
57	0.0	6.1	9.1#

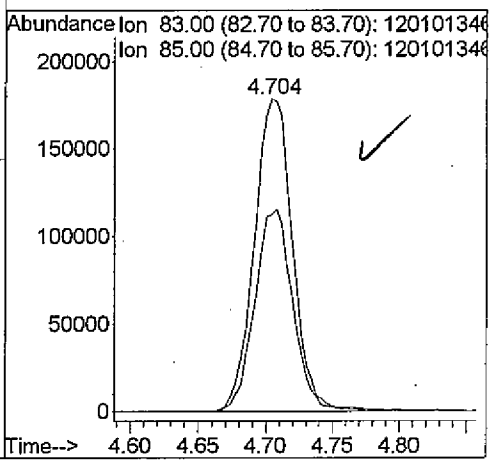


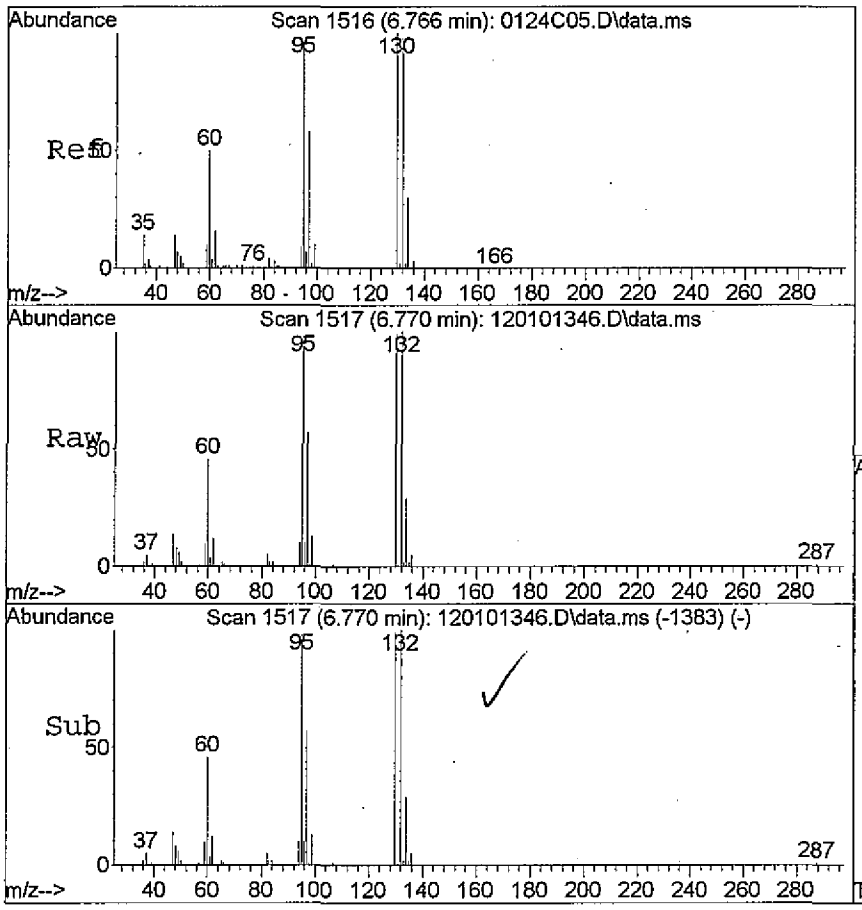


#22
CHLOROFORM
Concen: 7.70 ug/L
RT: 4.704 min Scan# 966
Delta R.T. 0.003 min ✓
Lab File: 120101346.D
Acq: 31 Jan 2012 4:29 pm

Tgt Ion: 83 Resp: 354821

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.3	76.9

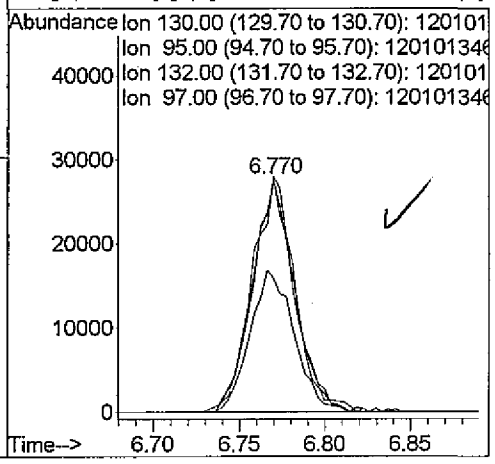


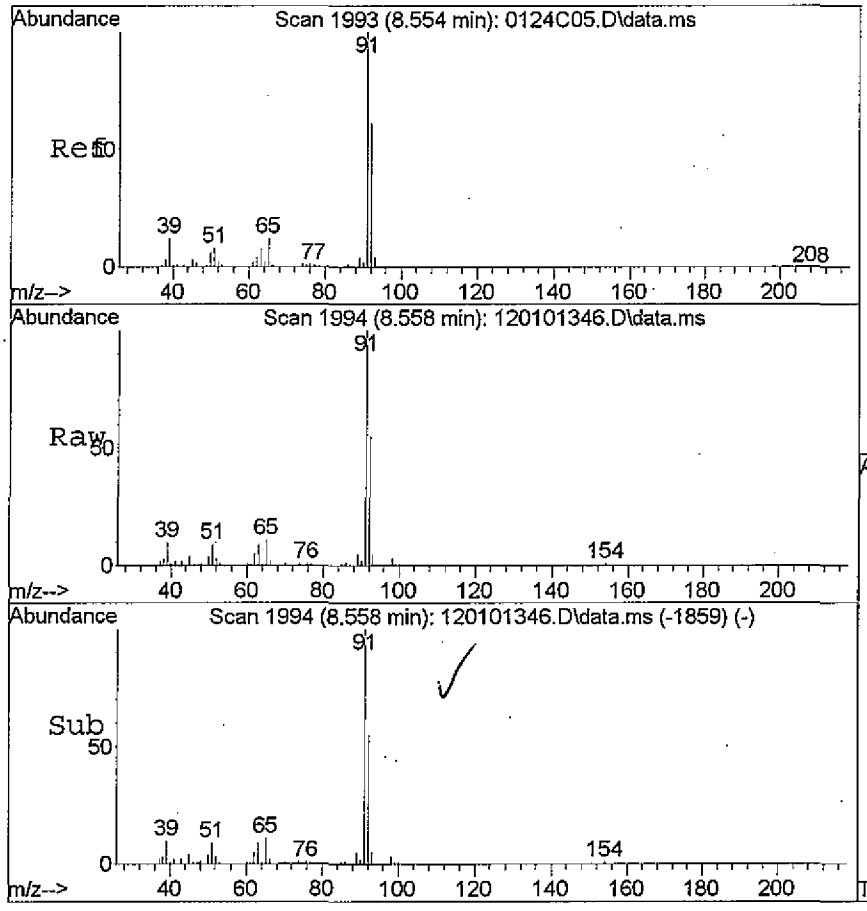


#33
TRICHLOROETHENE
Concen: 1.54 ug/L
RT: 6.770 min Scan# 1517
Delta R.T. 0.004 min
Lab File: 120101346.D
Acq: 31 Jan 2012 4:29 pm

Tgt Ion:130 Resp: 47449

Ion	Ratio	Lower	Upper
130	100		
95	100.6	74.6	111.8
132	102.0	77.6	116.4
97	63.8	48.0	72.0

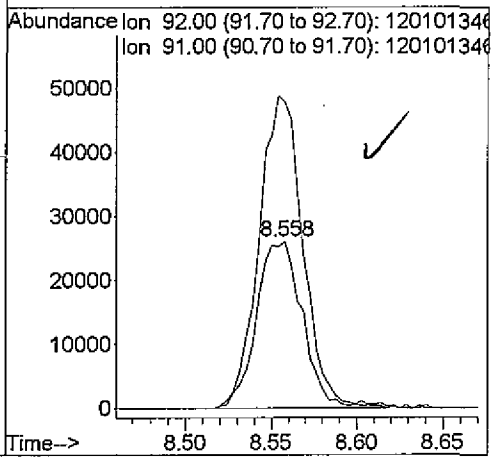


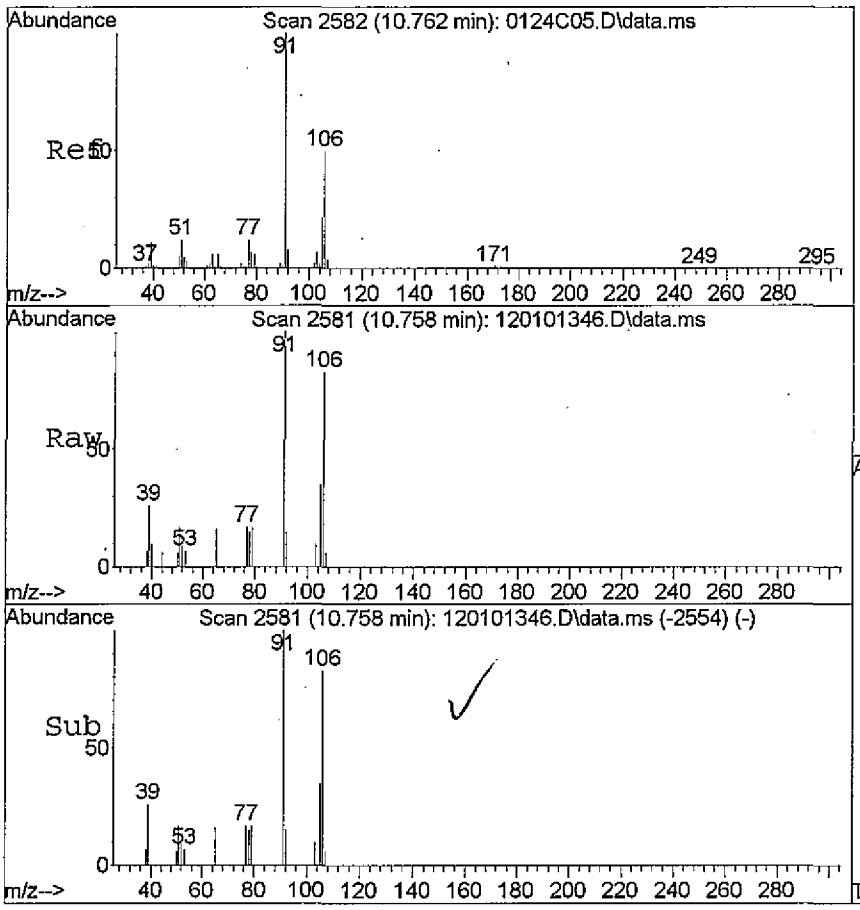


#43
TOLUENE
Concen: 0.56 ug/L
RT: 8.558 min Scan# 1994
Delta R.T. 0.007 min
Lab File: 120101346.D
Acq: 31 Jan 2012 4:29 pm

Tgt Ion: 92 Resp: 48986

Ion	Ratio	Lower	Upper
92	100		
91	179.3	139.3	208.9

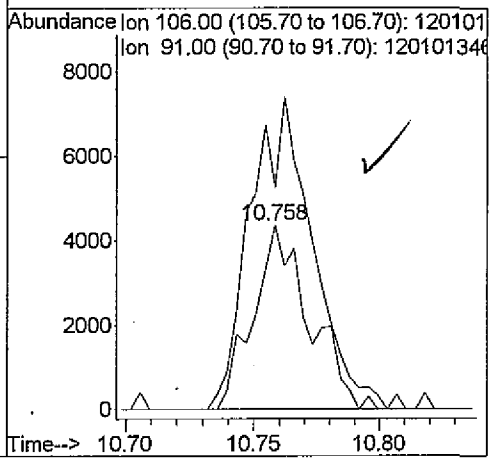


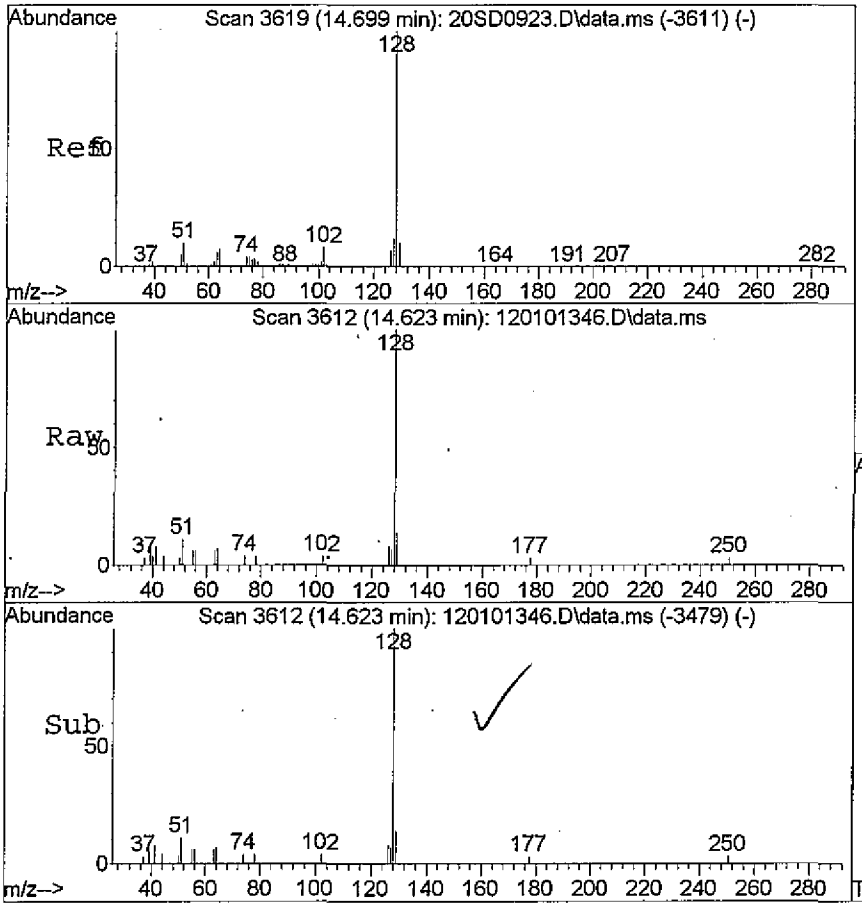


#53
M-XYLENE/P-XYLENE
Concen: 0.11 ug/L
RT: 10.758 min Scan# 2581
Delta R.T. -0.000 min
Lab File: 120101346.D
Acq: 31 Jan 2012 4:29 pm

Tgt Ion:106 Resp: 6746

Ion	Ratio	Lower	Upper
106	100		
91	188.0	164.8	247.2

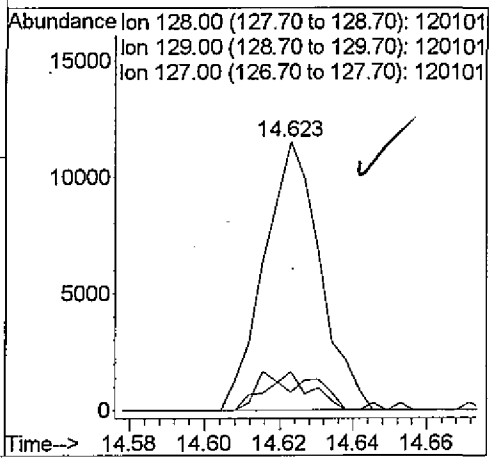




#76
NAPHTHALENE
Concen: 0.32 ug/L
RT: 14.623 min Scan# 3612
Delta R.T. -0.000 min
Lab File: 120101346.D
Acq: 31 Jan 2012 4:29 pm

Tgt Ion:128 Resp: 12108

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.7	13.1
127	6.3	10.2	15.2#



LSC Area Percent Report

Data Path : D:\data\01312012\
Data File : 120101346.D
Acq On : 31 Jan 2012 4:29 pm
Operator : SCW OBB-AG5975
Sample : TB07; C
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1 % of largest Peak
Max Peaks: 95
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.818	451	463	478	rBV3	65199	125341	8.08%	1.565%
2	4.704	952	966	987	rBV	492800	964133	62.15%	12.036%
3	5.341	1122	1136	1153	rBV2	162333	322654	20.80%	4.028%
4	6.380	1399	1413	1432	rBV	603357	1081683	69.73%	13.503%
5	6.770	1505	1517	1537	rBV4	154630	283327	18.27%	3.537%
6	8.471	1959	1971	1984	rBV	897155	1551188	100.00%	19.364%
7	8.558	1986	1994	2005	rVB	116485	213287	13.75%	2.663%
8	10.200	2418	2432	2456	rBV	788431	1342704	86.56%	16.762%
9	10.758	2574	2581	2594	rBV5	20671	37661	2.43%	0.470%
10	11.159	2678	2688	2698	rVB3	11943	19314	1.25%	0.241%
11	11.530	2774	2787	2804	rBV	635903	848328	54.69%	10.590%
12	12.700	3087	3099	3108	rBV	1001651	1192219	76.86%	14.883%
13	14.623	3604	3612	3619	rVB3	23533	28744	1.85%	0.359%

Sum of corrected areas: 8010583

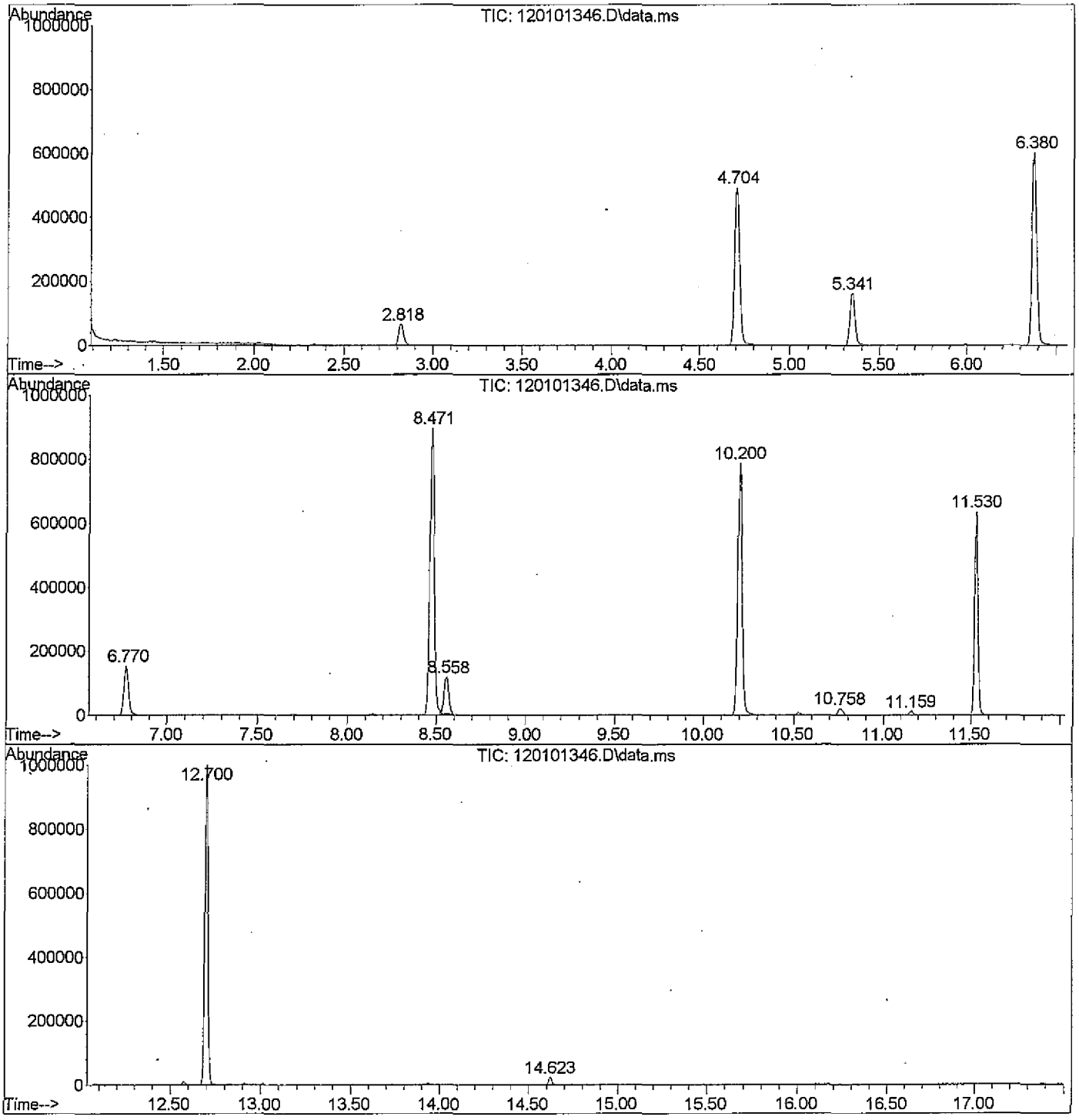
DIM0218843 DIM0219505

LSC Report - Integrated Chromatogram

Data Path : D:\data\01312012\
Data File : 120101346.D
Acq On : 31 Jan 2012 4:29 pm
Operator : SCW OBB-AG5975
Sample : TB07; C
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01312012\
Data File : 120101346.D
Acq On : 31 Jan 2012 4:29 pm
Operator : SCW OBB-AG5975
Sample : TB07; C
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01312012\
Data File : 120101346.D
Acq On : 31 Jan 2012 4:29 pm
Operator : SCW OBB-AG5975
Sample : TB07; C
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

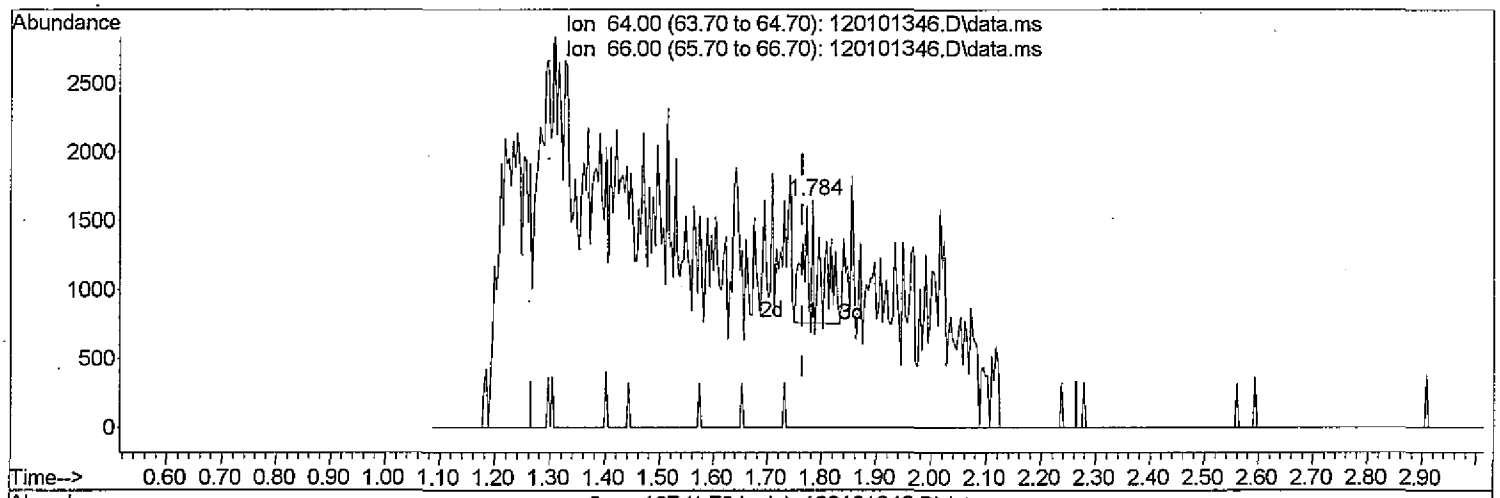
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

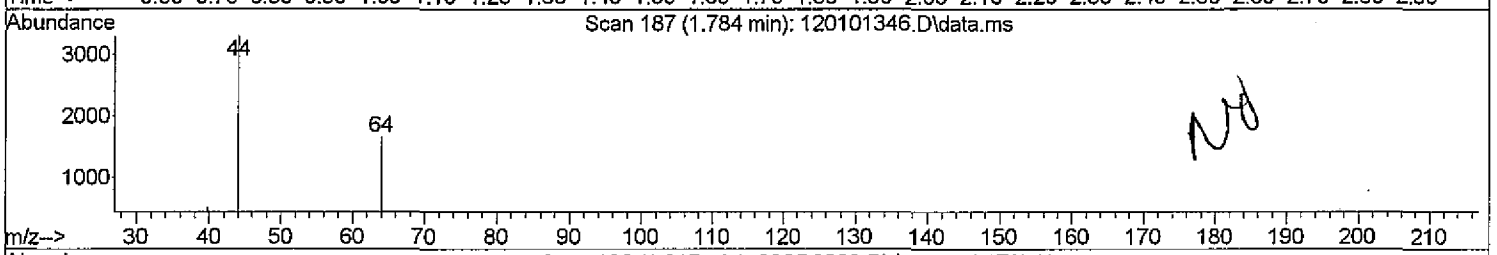
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

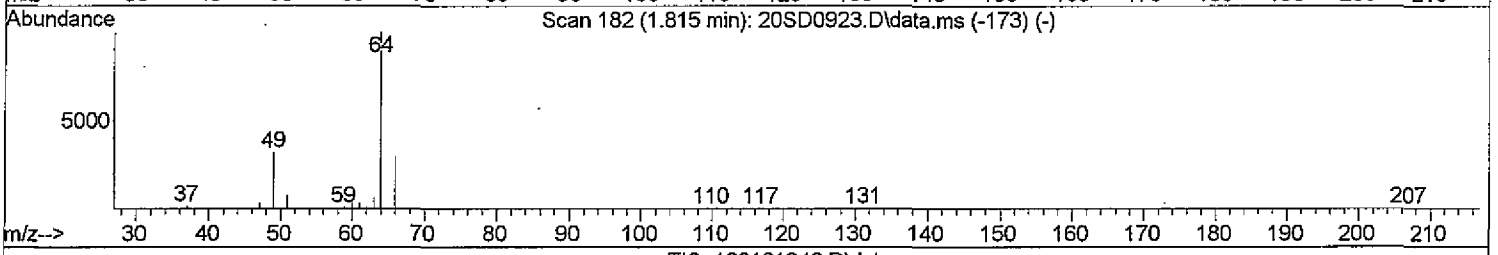
Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101346.D
Acq On : 31 Jan 2012 4:29 pm
Operator : SCW OBB-AG5975
Sample : TB07; C
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 01 09:18:32 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration







TIC: 120101346.D\data.ms

(6) CHLOROETHANE (TMCP)

1.784min (+0.018) 0.06ug/L

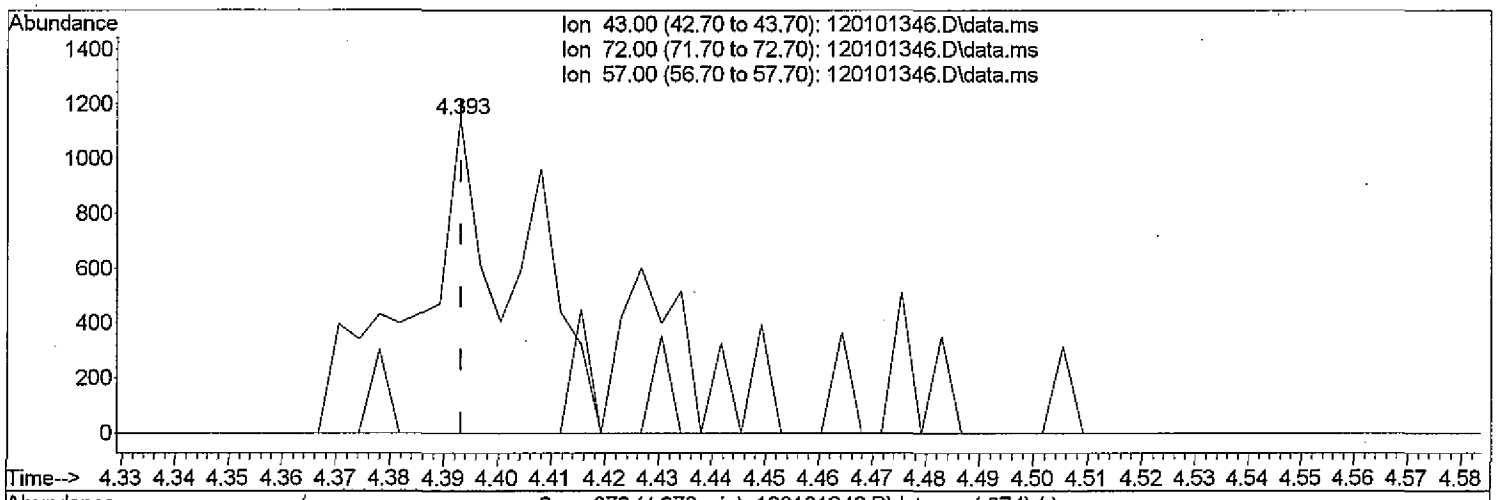
response 1731

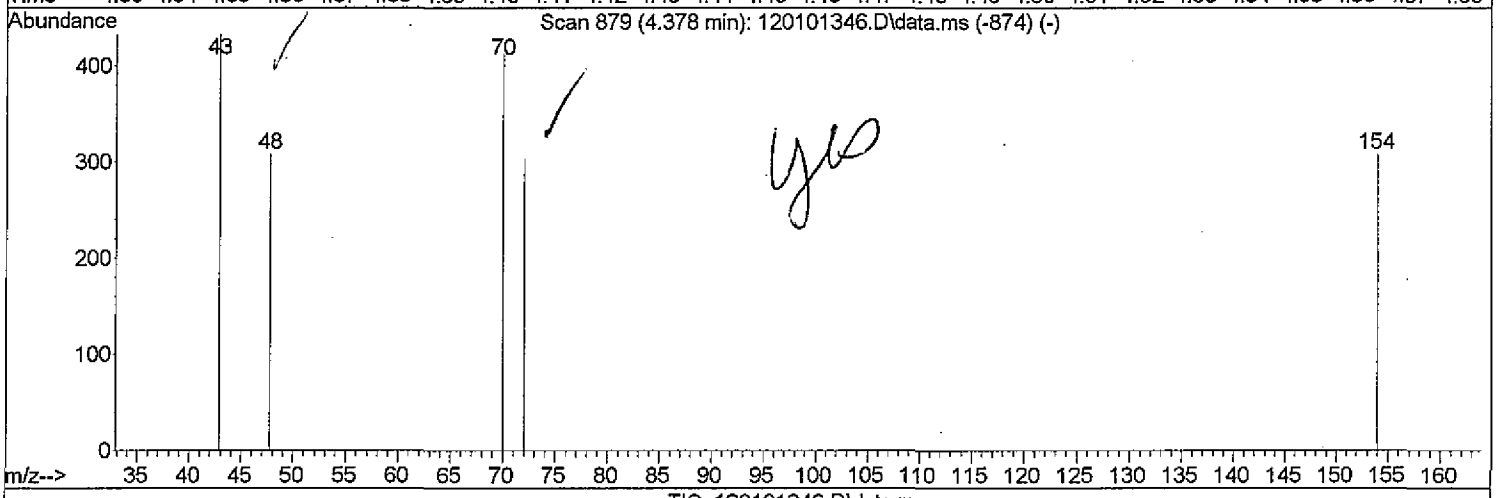
Ion	Exp%	Act%
64.00	100	100
66.00	31.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101346.D
Acq On : 31 Jan 2012 4:29 pm
Operator : SCW OBB-AG5975
Sample : TB07; C
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 01 09:18:32 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration





TIC: 120101346.D\data.ms

(19) 2-BUTANONE (TMCP)

4.393min (-0.000) 0.43ug/L

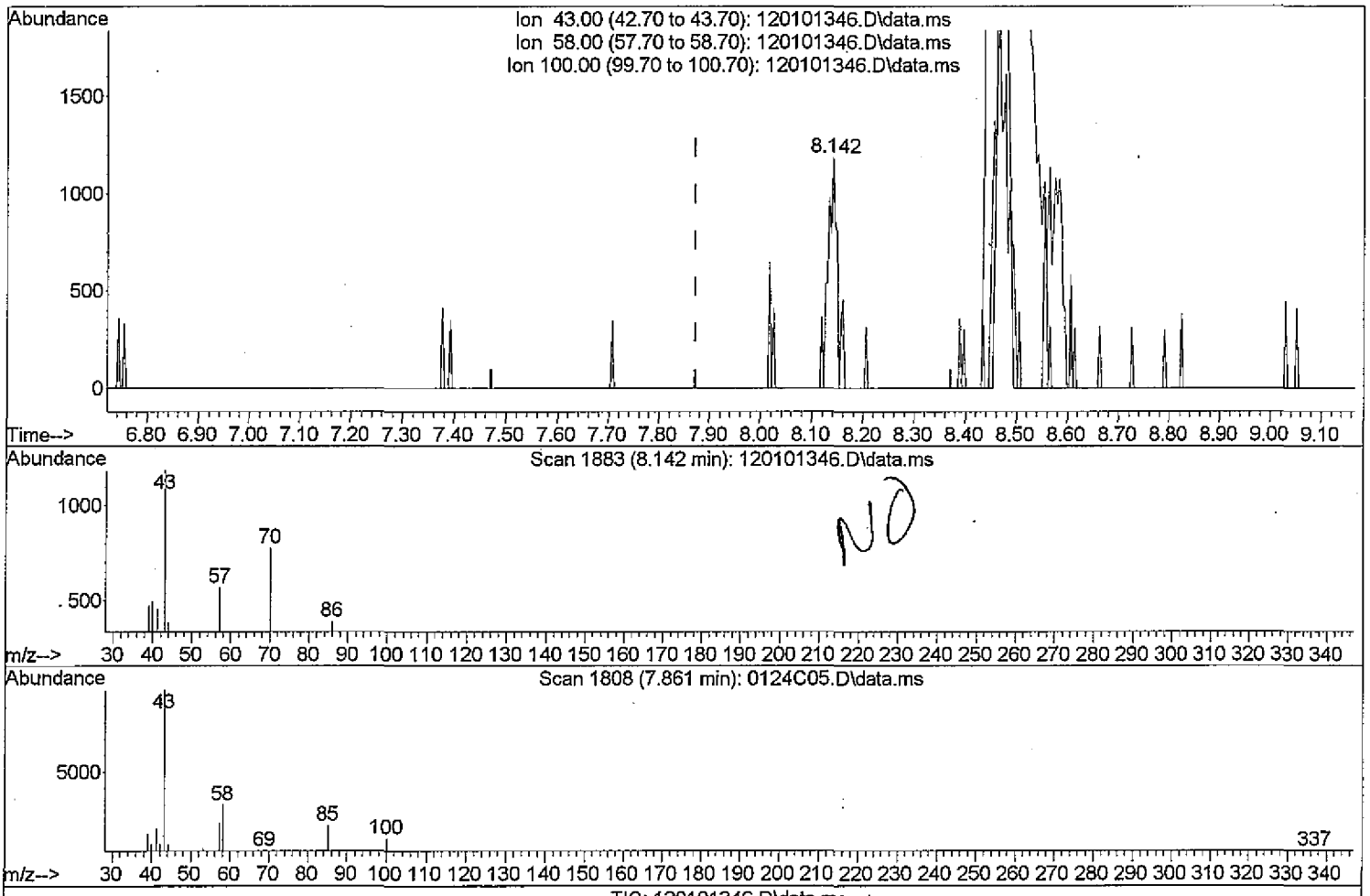
response 1566

Ion	Exp%	Act%
43.00	100	100
72.00	18.60	0.00#
57.00	7.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101346.D
Acq On : 31 Jan 2012 4:29 pm
Operator : SCW OBB-AG5975
Sample : TB07; C
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 01 09:18:32 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



NO

TIC: 120101346.D\data.ms

(39) 4-METHYL-2-PENTANONE (TMCP)

8.142min (+0.270) 0.17ug/L

response 1543

Ion	Exp%	Act%
43.00	100	100
58.00	36.60	0.00#
100.00	12.60	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101347.D
Acq On : 31 Jan 2012 5:58 pm
Operator : SCW OBB-AG5975
Sample : TB06; A
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 01 09:48:57 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	460664	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	433586	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	184343	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.342	65	113058	4.59 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 114.75%# A	
42) TOLUENE-d8	8.472	98	564671	3.62 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 90.50%	
60) 4-BROMOFLUOROBENZENE	11.531	95	172496	3.89 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 97.25%	
Target Compounds					Qvalue
8) ACETONE	2.335	43	5305	1.35 ug/L	93
11) METHYLENE CHLORIDE	2.822	84	26178	1.11 ug/L #	77
19) 2-BUTANONE	4.404	43	1994	0.55 ug/L # J	64
22) CHLOROFORM	4.704	83	349374	7.60 ug/L	99
33) TRICHLOROETHENE	6.766	130	48044	1.56 ug/L	96
43) TOLUENE	8.558	92	46917	0.53 ug/L	99
53) M-XYLENE/P-XYLENE	10.758	106	6106	0.10 ug/L J	97
76) NAPHTHALENE	14.623	128	10936	0.29 ug/L # J	96

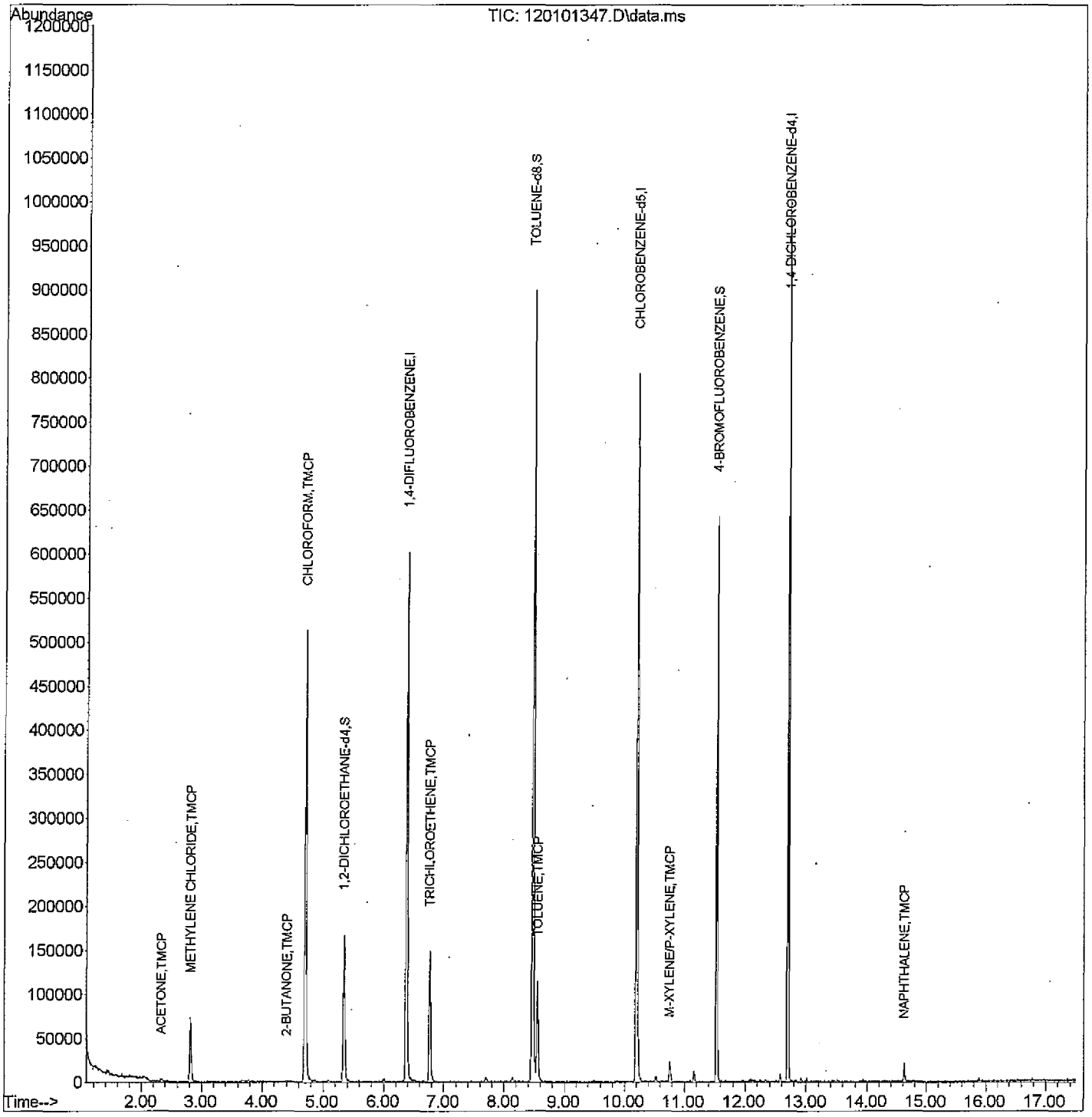
(#) = qualifier out of range (m) = manual integration (+) = signals summed

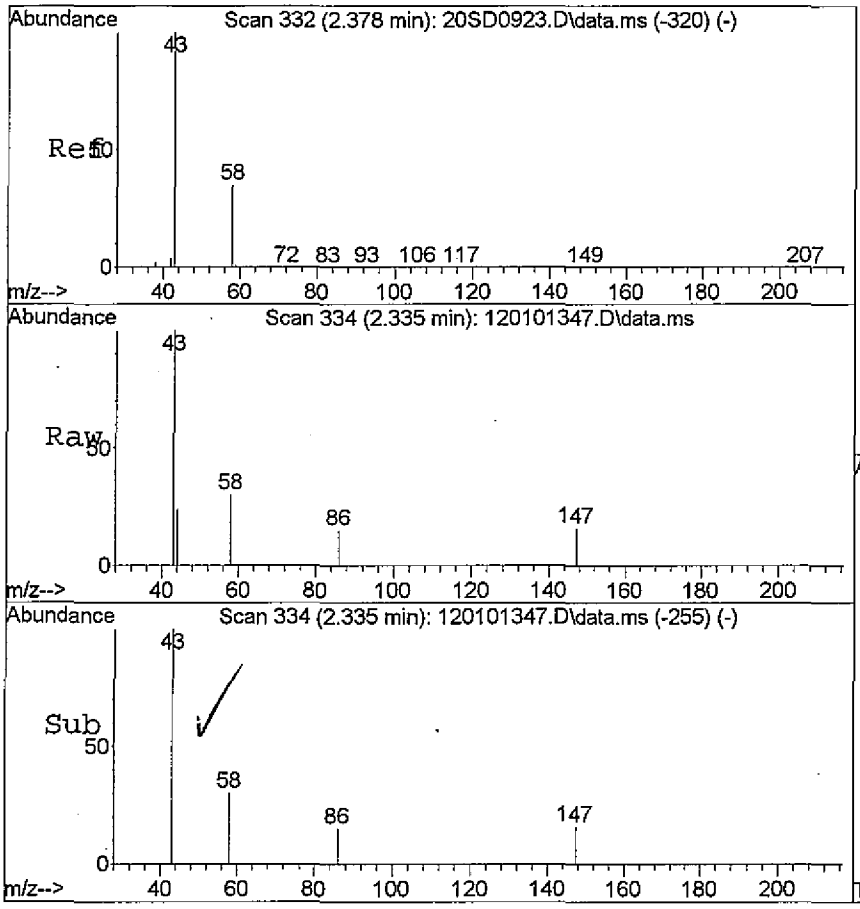
No TICs

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101347.D
Acq On : 31 Jan 2012 5:58 pm
Operator : SCW OBB-AG5975
Sample : TB06; A
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 01 09:48:57 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

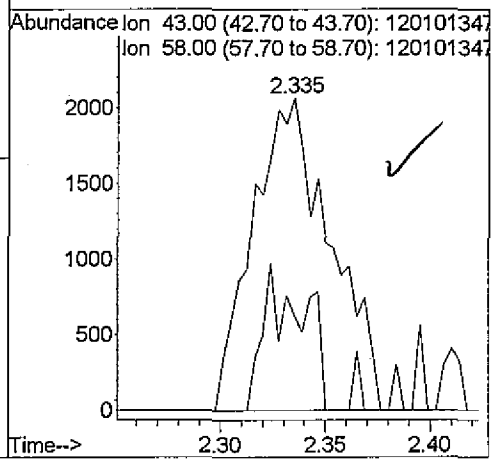


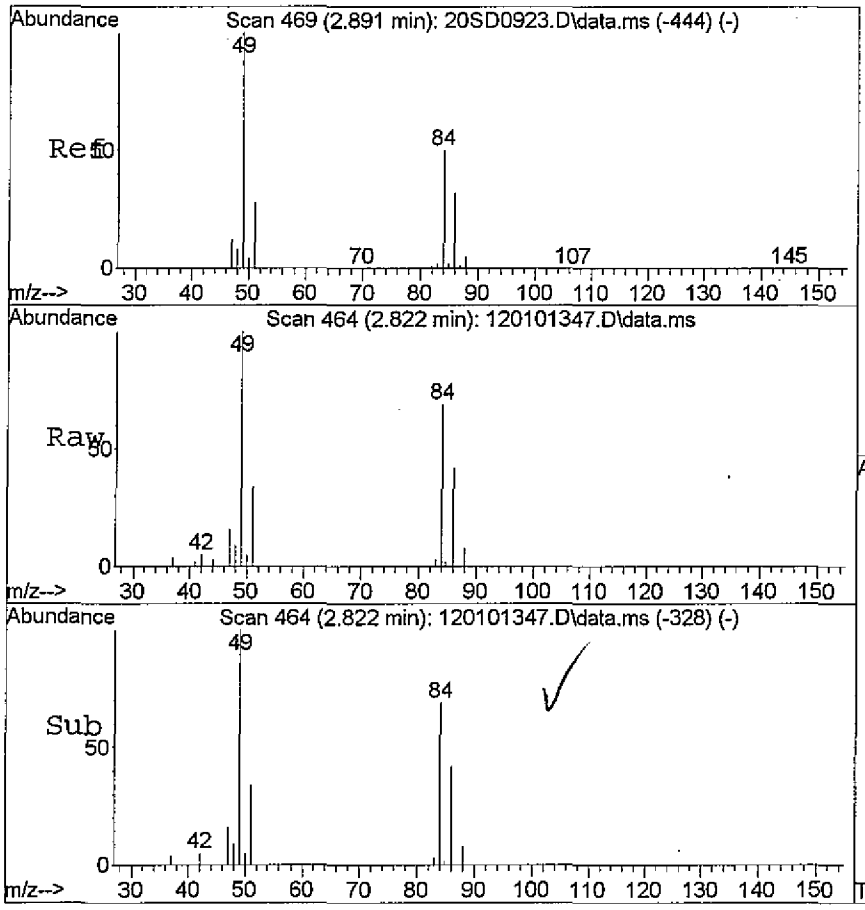


#8
ACETONE
Concen: 1.35 ug/L
RT: 2.335 min Scan# 334
Delta R.T. -0.004 min
Lab File: 120101347.D
Acq: 31 Jan 2012 5:58 pm

Tgt Ion: 43 Resp: 5305

Ion	Ratio	Lower	Upper
43	100		
58	24.2	22.5	33.7

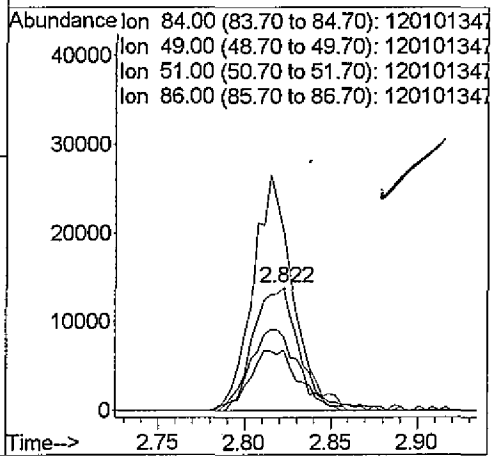


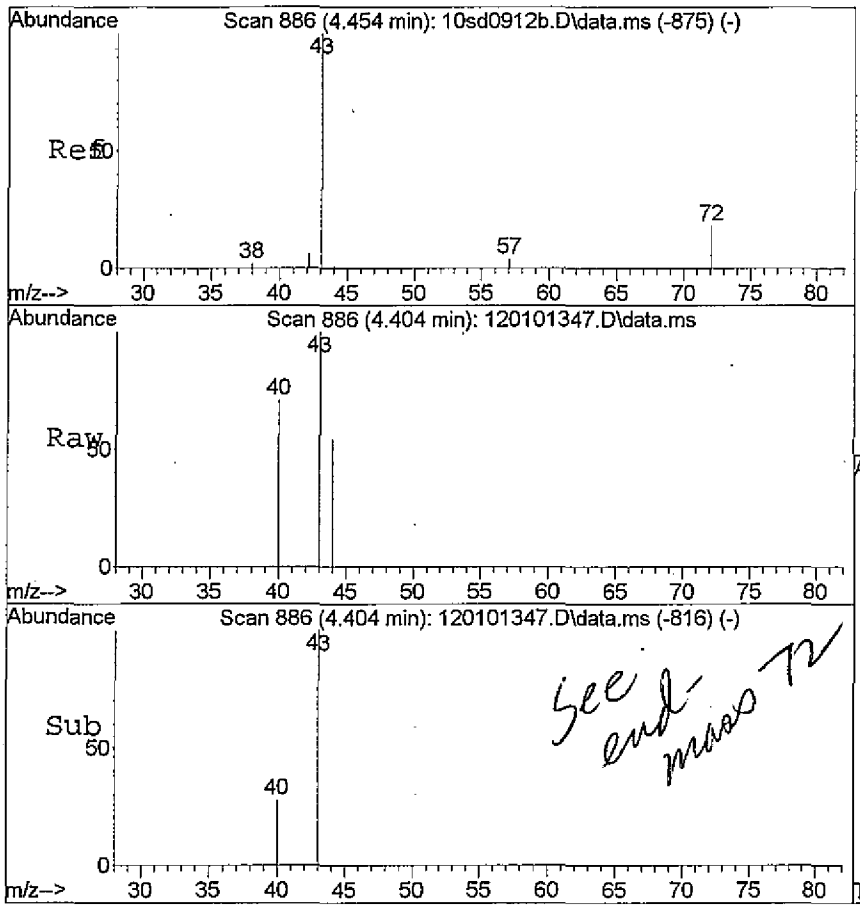


#11
METHYLENE CHLORIDE
Concen: 1.11 ug/L
RT: 2.822 min Scan# 464
Delta R.T. 0.011 min
Lab File: 120101347.D
Acq: 31 Jan 2012 5:58 pm

Tgt Ion: 84 Resp: 26178

Ion	Ratio	Lower	Upper
84	100		
49	164.5	102.1	153.1#
51	50.5	31.0	46.6#
86	65.9	49.2	73.8



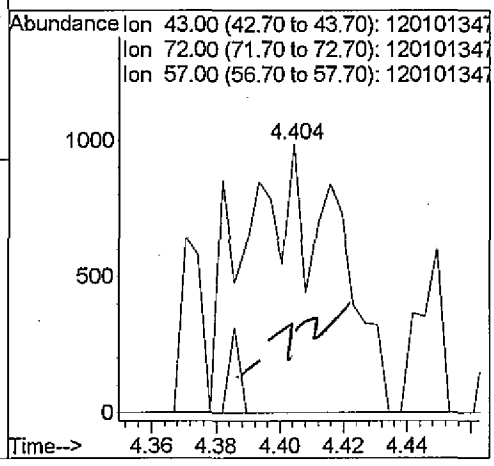


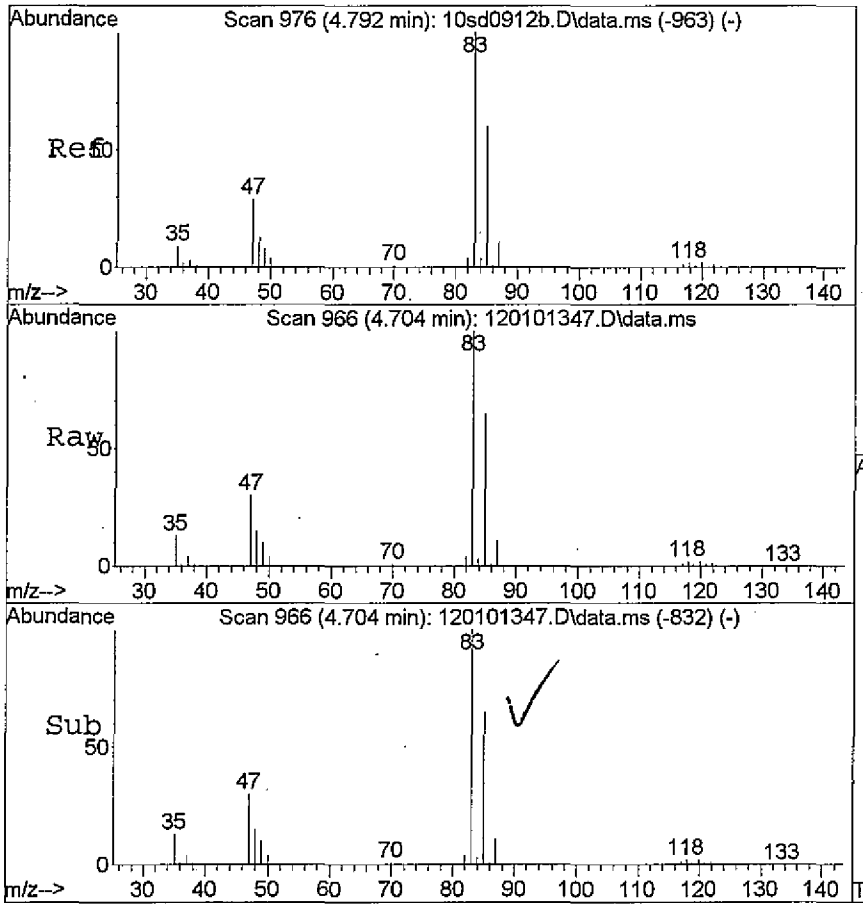
see end mass 72

#19
2-BUTANONE
Concen: 0.55 ug/L
RT: 4.404 min Scan# 886
Delta R.T. 0.011 min ✓
Lab File: 120101347.D
Acq: 31 Jan 2012 5:58 pm

Tgt Ion: 43 Resp: 1994

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.9	22.3#
57	0.0	6.1	9.1#

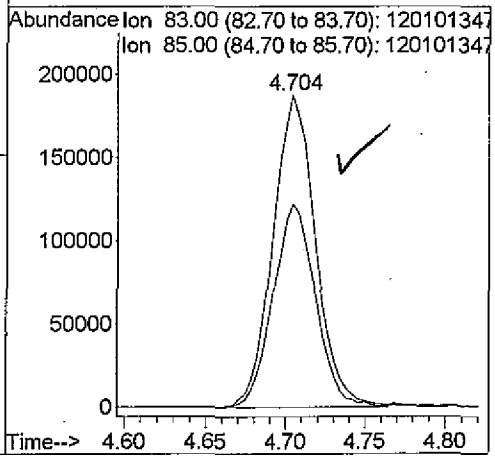


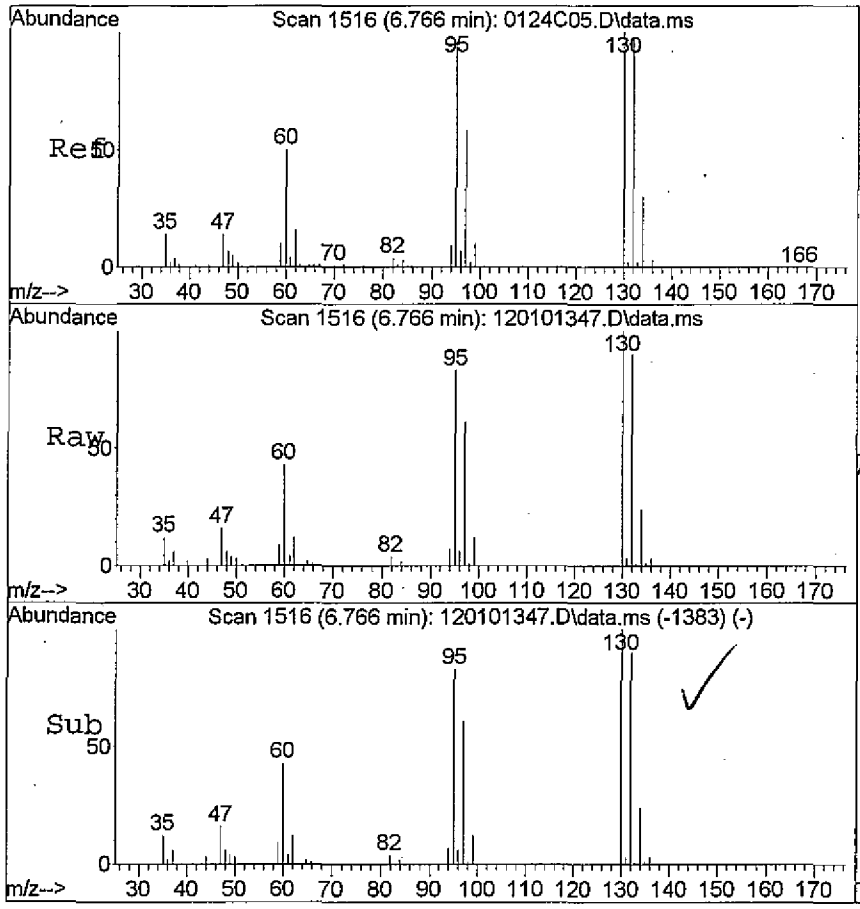


#22
CHLOROFORM
Concen: 7.60 ug/L
RT: 4.704 min Scan# 966
Delta R.T. 0.004 min ✓
Lab File: 120101347.D
Acq: 31 Jan 2012 5:58 pm

Tgt Ion: 83 Resp: 349374

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.3	76.9

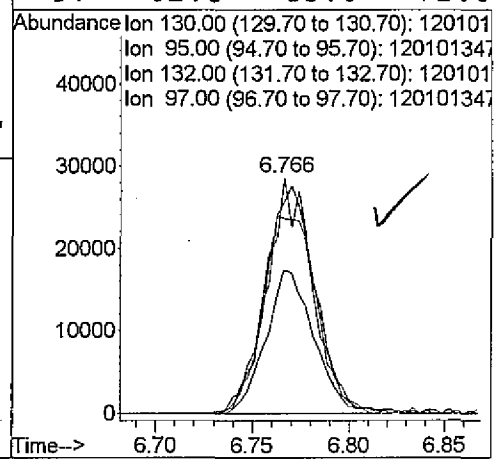


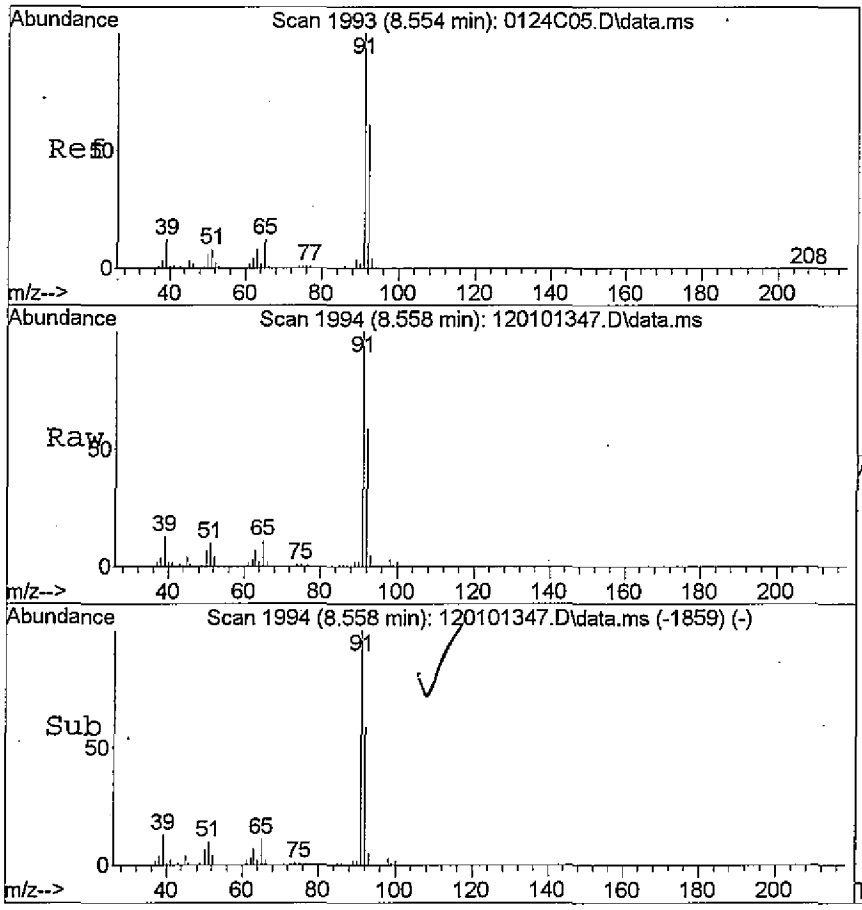


#33
TRICHLOROETHENE
Concen: 1.56 ug/L
RT: 6.766 min Scan# 1516
Delta R.T. -0.000 min
Lab File: 120101347.D
Acq: 31 Jan 2012 5:58 pm

Tgt Ion:130 Resp: 48044

Ion	Ratio	Lower	Upper
130	100		
95	95.7	74.6	111.8
132	101.3	77.6	116.4
97	62.8	48.0	72.0

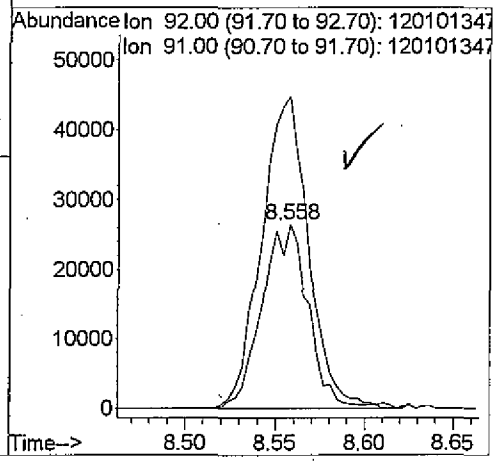


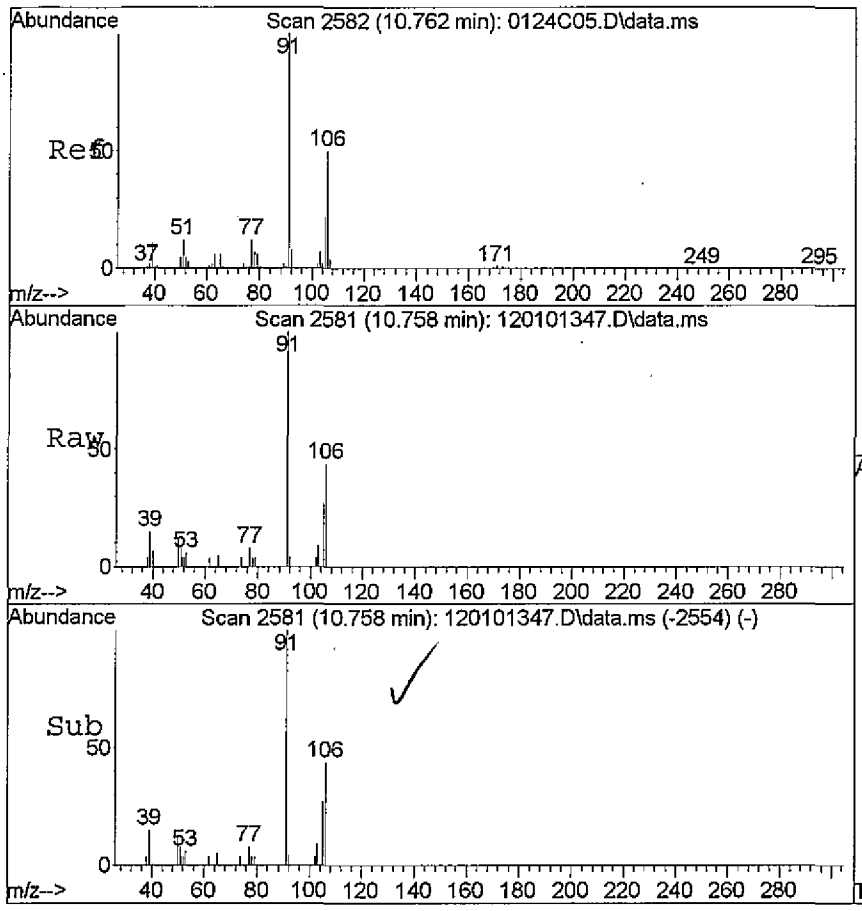


#43
TOLUENE
Concen: 0.53 ug/L
RT: 8.558 min Scan# 1994
Delta R.T. 0.007 min
Lab File: 120101347.D
Acq: 31 Jan 2012 5:58 pm

Tgt Ion: 92 Resp: 46917

Ion	Ratio	Lower	Upper
92	100		
91	173.0	139.3	208.9

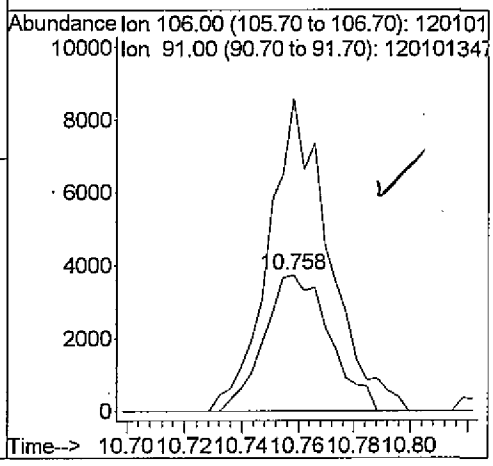


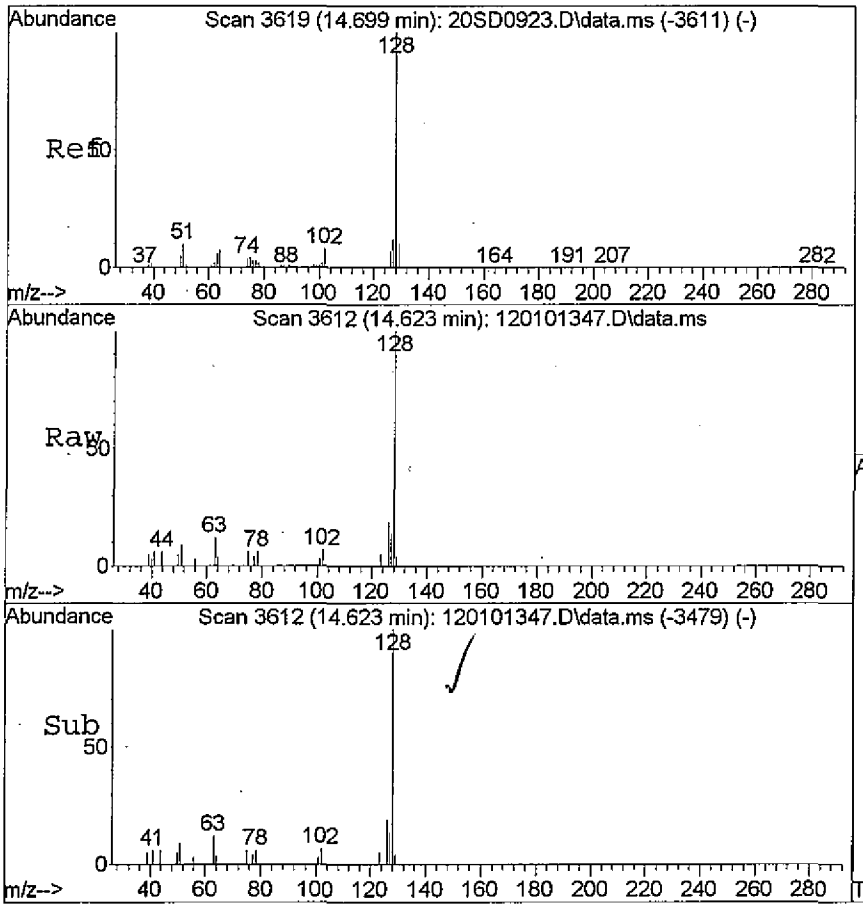


#53
M-XYLENE/P-XYLENE
Concen: 0.10 ug/L
RT: 10.758 min Scan# 2581
Delta R.T. -0.000 min
Lab File: 120101347.D
Acq: 31 Jan 2012 5:58 pm

Tgt Ion:106 Resp: 6106

Ion	Ratio	Lower	Upper
106	100		
91	211.0	164.8	247.2

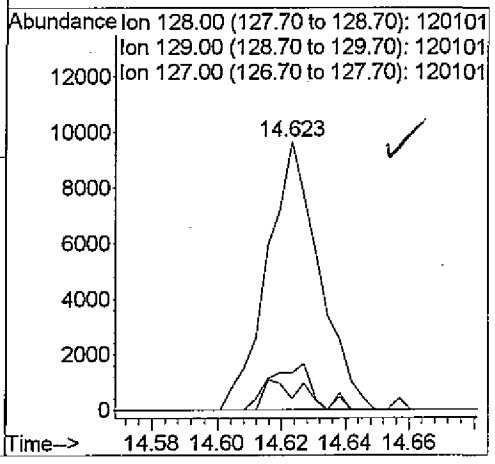




#76
NAPHTHALENE
Concen: 0.29 ug/L
RT: 14.623 min Scan# 3612
Delta R.T. -0.000 min
Lab File: 120101347.D
Acq: 31 Jan 2012 5:58 pm

Tgt Ion:128 Resp: 10936

Ion	Ratio	Lower	Upper
128	100		
129	7.8	8.7	13.1#
127	13.0	10.2	15.2



LSC Area Percent Report

Data Path : D:\data\01312012\
Data File : 120101347.D
Acq On : 31 Jan 2012 5:58 pm
Operator : SCW OBB-AG5975
Sample : TB06; A
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.815	452	462	477	rVB2	73815	127506	8.30%	1.598%
2	4.704	950	966	987	rBV	514323	948700	61.74%	11.890%
3	5.342	1125	1136	1153	rBV3	167243	318166	20.70%	3.987%
4	6.380	1400	1413	1428	rBV	601133	1064328	69.26%	13.339%
5	6.766	1504	1516	1538	rBV2	149057	280744	18.27%	3.518%
6	8.472	1958	1971	1984	rBV	899704	1536669	100.00%	19.258%
7	8.558	1984	1994	2011	rVB2	114791	215946	14.05%	2.706%
8	10.200	2419	2432	2448	rBV2	804955	1339023	87.14%	16.781%
9	10.758	2571	2581	2593	rBV	23484	40047	2.61%	0.502%
10	11.156	2678	2687	2697	rBV5	13726	19399	1.26%	0.243%
11	11.531	2775	2787	2802	rBV2	643562	860619	56.01%	10.786%
12	12.700	3089	3099	3113	rBV	1000199	1199598	78.06%	15.034%
13	14.627	3601	3613	3622	rBV2	21222	28530	1.86%	0.358%

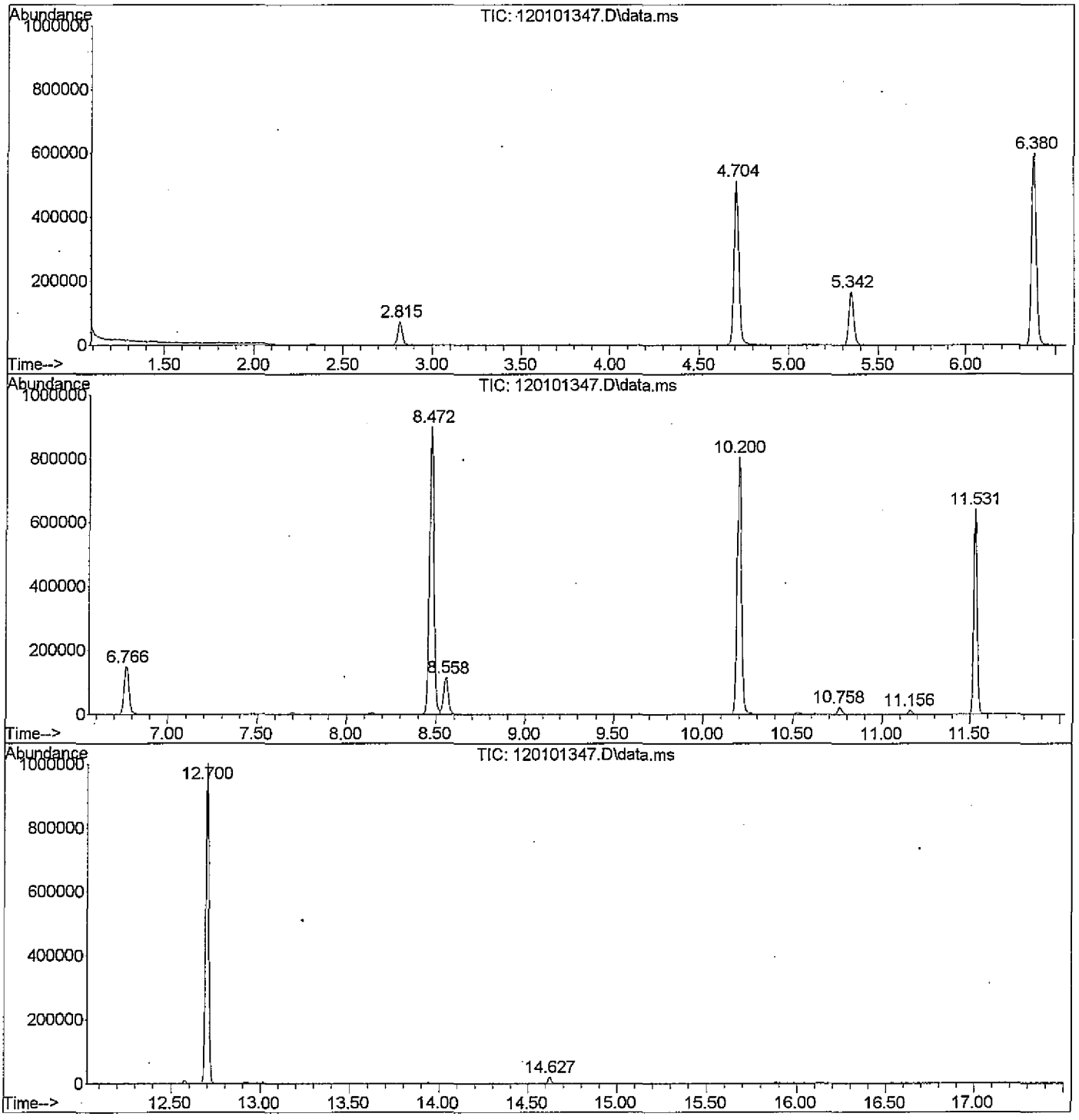
Sum of corrected areas: 7979275

LSC Report - Integrated Chromatogram

Data Path : D:\data\01312012\
Data File : 120101347.D
Acq On : 31 Jan 2012 5:58 pm
Operator : SCW OBB-AG5975
Sample : TB06; A
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01312012\
Data File : 120101347.D
Acq On : 31 Jan 2012 5:58 pm
Operator : SCW OBB-AG5975
Sample : TB06; A
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01312012\
Data File : 120101347.D
Acq On : 31 Jan 2012 5:58 pm
Operator : SCW OBB-AG5975
Sample : TB06; A
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

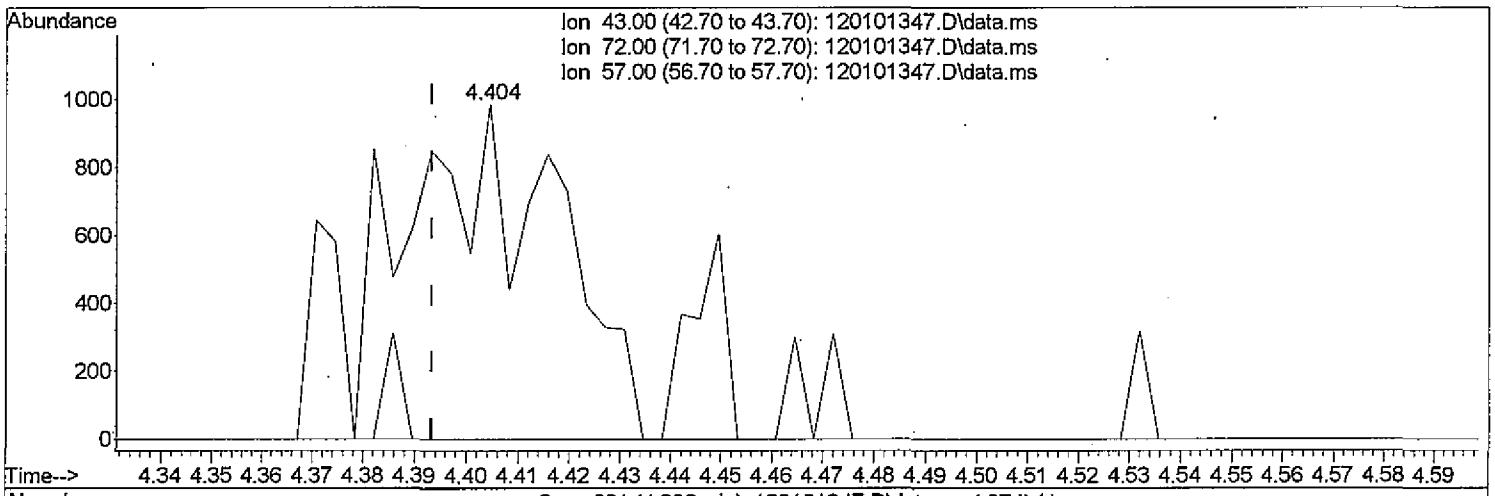
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

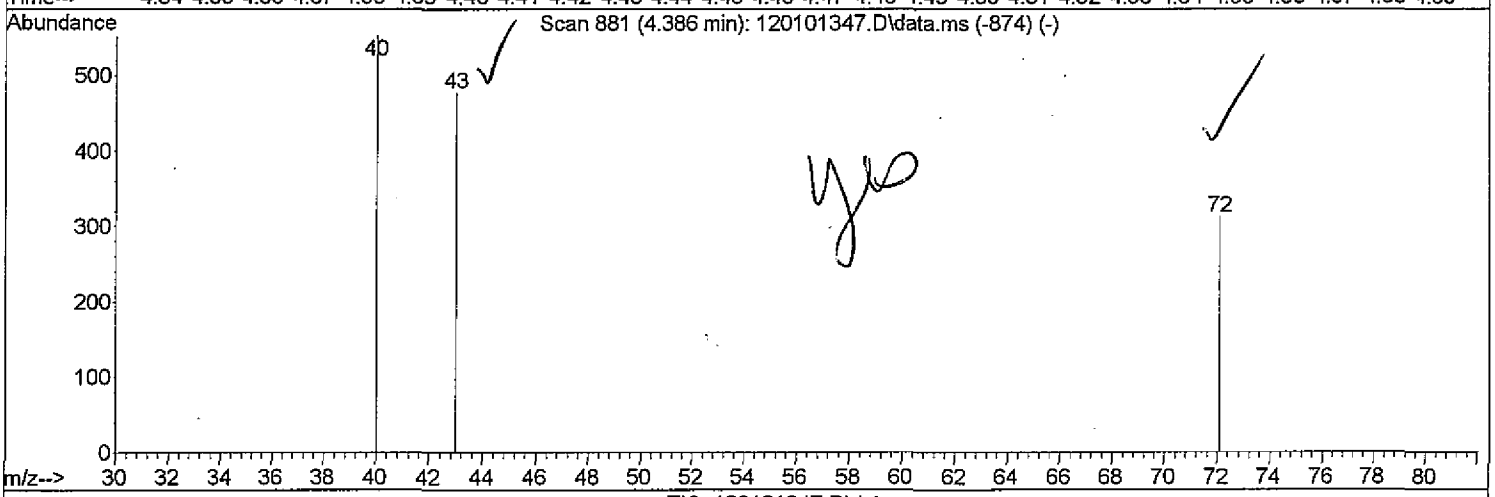
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101347.D
Acq On : 31 Jan 2012 5:58 pm
Operator : SCW OBB-AG5975
Sample : TB06; A
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 01 09:18:43 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration





TIC: 120101347.D\data.ms

(19) 2-BUTANONE (TMCP)

4.404min (+0.011) 0.55ug/L

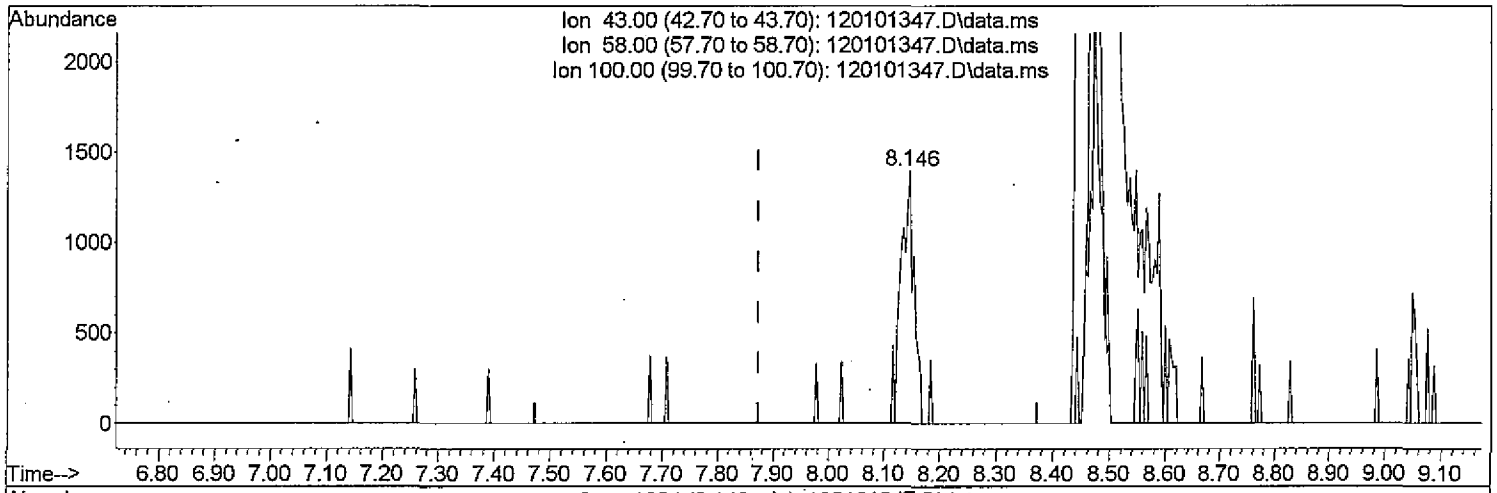
response 1994

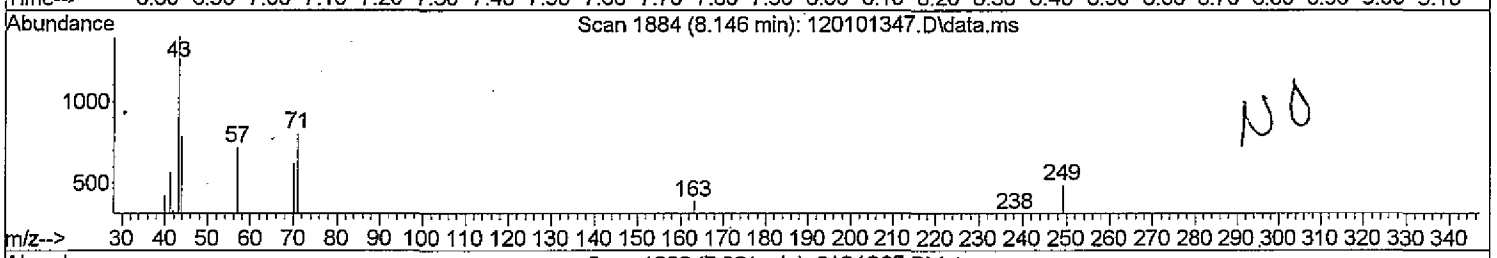
Ion	Exp%	Act%
43.00	100	100
72.00	18.60	0.00#
57.00	7.60	0.00#
0.00	0.00	0.00

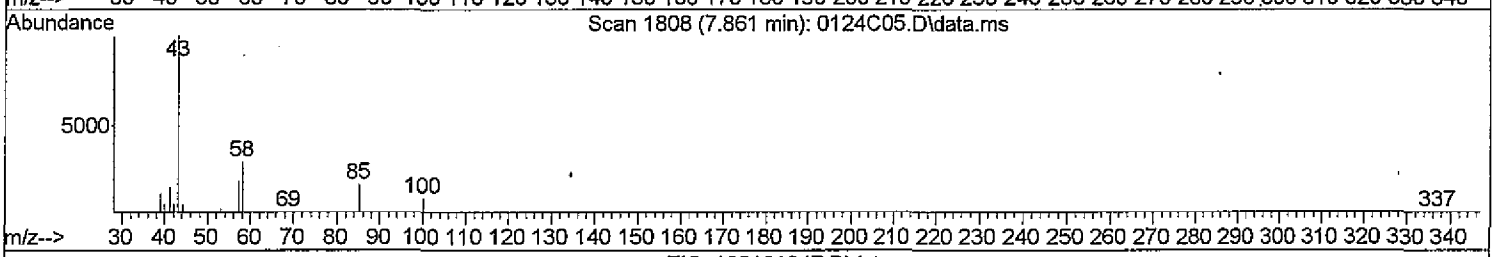
Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101347.D
Acq On : 31 Jan 2012 5:58 pm
Operator : SCW OBB-AG5975
Sample : TB06; A
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 01 09:18:43 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration







TIC: 120101347.D\data.ms

(39) 4-METHYL-2-PENTANONE (TMCP)

8.146min (+0.274) 0.25ug/L ND

response 2296

Ion	Exp%	Act%
43.00	100	100
58.00	36.60	0.00#
100.00	12.60	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101348.D
Acq On : 31 Jan 2012 5:29 pm
Operator : SCW OBB-AG5975
Sample : TB04; A
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 01 09:52:13 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	6.380	114	452444	4.00 ug/L	0.00
38) CHLOROBENZENE-d5	10.200	117	425907	4.00 ug/L	0.00
57) 1,4-DICHLOROBENZENE-d4	12.700	152	184470	4.00 ug/L	0.00
System Monitoring Compounds					
24) 1,2-DICHLOROETHANE-d4	5.341	65	106143	4.38 ug/L	0.00
Spiked Amount 4.000	Range 76 - 114		Recovery	= 109.50%	
42) TOLUENE-d8	8.472	98	557410	3.64 ug/L	0.00
Spiked Amount 4.000	Range 88 - 110		Recovery	= 91.00%	
60) 4-BROMOFLUOROBENZENE	11.530	95	166972	3.76 ug/L	0.00
Spiked Amount 4.000	Range 86 - 115		Recovery	= 94.00%	
Target Compounds					Qvalue
8) ACETONE	2.324	43	5511	1.42 ug/L # J	68
11) METHYLENE CHLORIDE	2.815	84	26519	1.15 ug/L #	79
19) 2-BUTANONE	4.401	43	1876m	0.53 ug/L	
22) CHLOROFORM	4.708	83	368102	8.15 ug/L	99
33) TRICHLOROETHENE	6.770	130	65713	2.18 ug/L	98
34) BROMODICHLOROMETHANE	6.811	83	1364	0.05 ug/L # J	91
43) TOLUENE	8.558	92	56979	0.66 ug/L	97
53) M-XYLENE/P-XYLENE	10.762	106	8423	0.14 ug/L J	94
55) O-XYLENE	11.156	106	4905	0.08 ug/L J	74
76) NAPHTHALENE	14.623	128	9969	0.27 ug/L # J	92

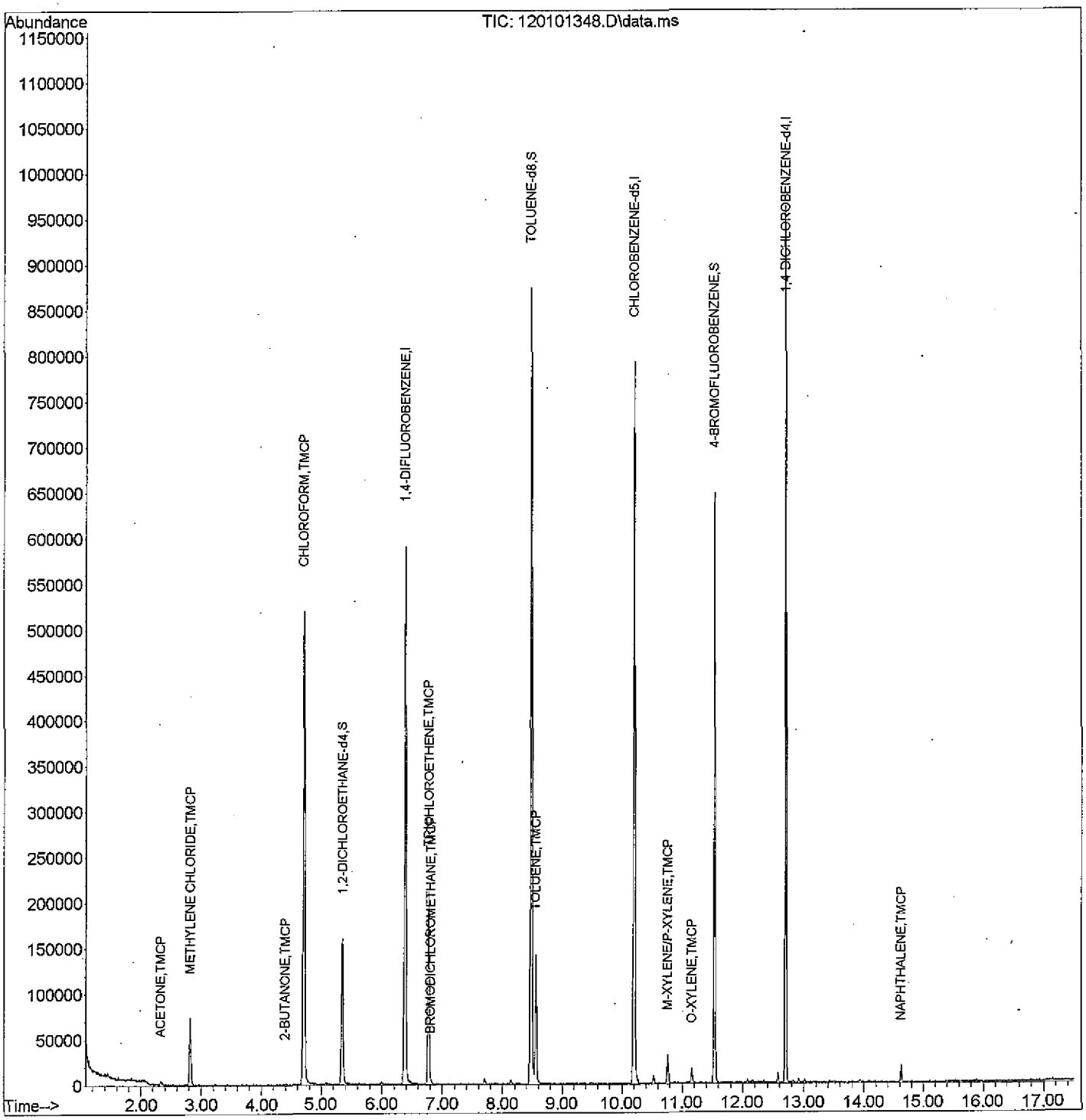
(#) = qualifier out of range (m) = manual integration (+) = signals summed

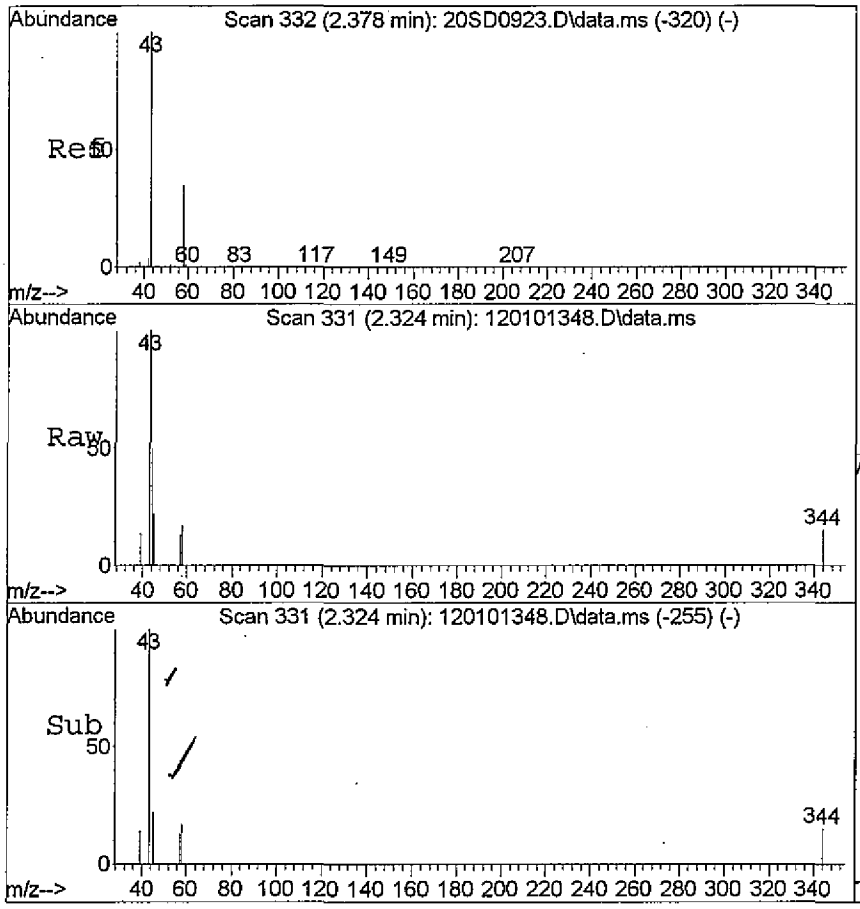
NOTICS

Quantitation Report (QT Reviewed)

Data Path : D:\data\01312012\
Data File : 120101348.D
Acq On : 31 Jan 2012 5:29 pm
Operator : SCW OBB-AG5975
Sample : TB04; A
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 01 09:52:13 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration

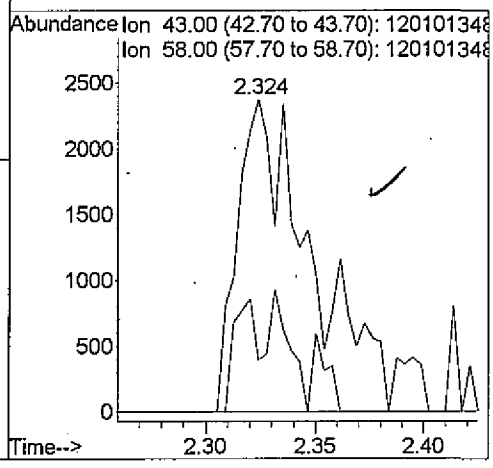


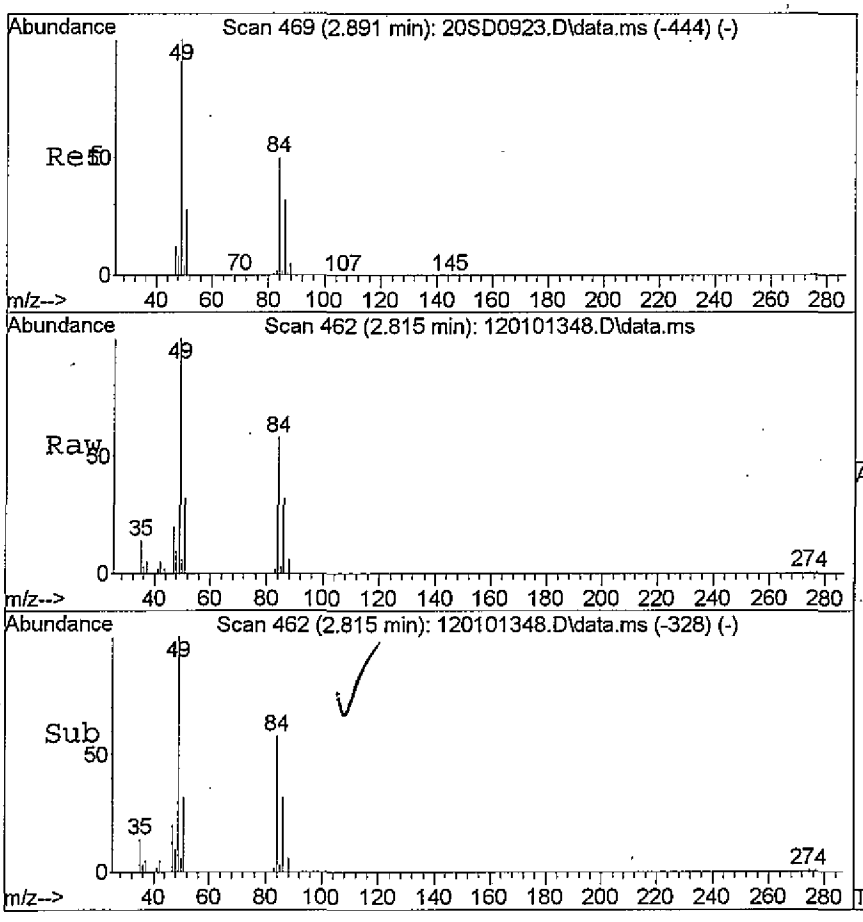


#8
ACETONE
Concen: 1.42 ug/L
RT: 2.324 min Scan# 331
Delta R.T. -0.015 min
Lab File: 120101348.D
Acq: 31 Jan 2012 5:29 pm

Tgt Ion: 43 Resp: 5511

Ion	Ratio	Lower	Upper
43	100		
58	11.1	22.5	33.7#

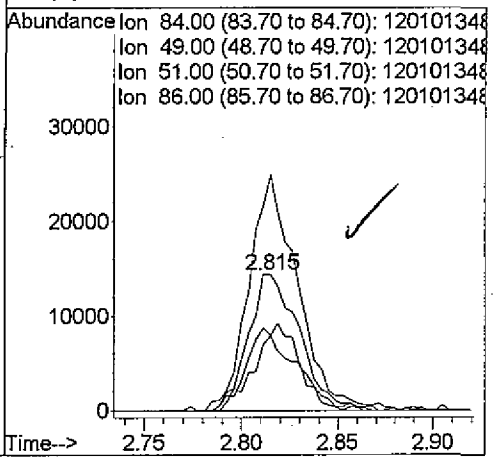


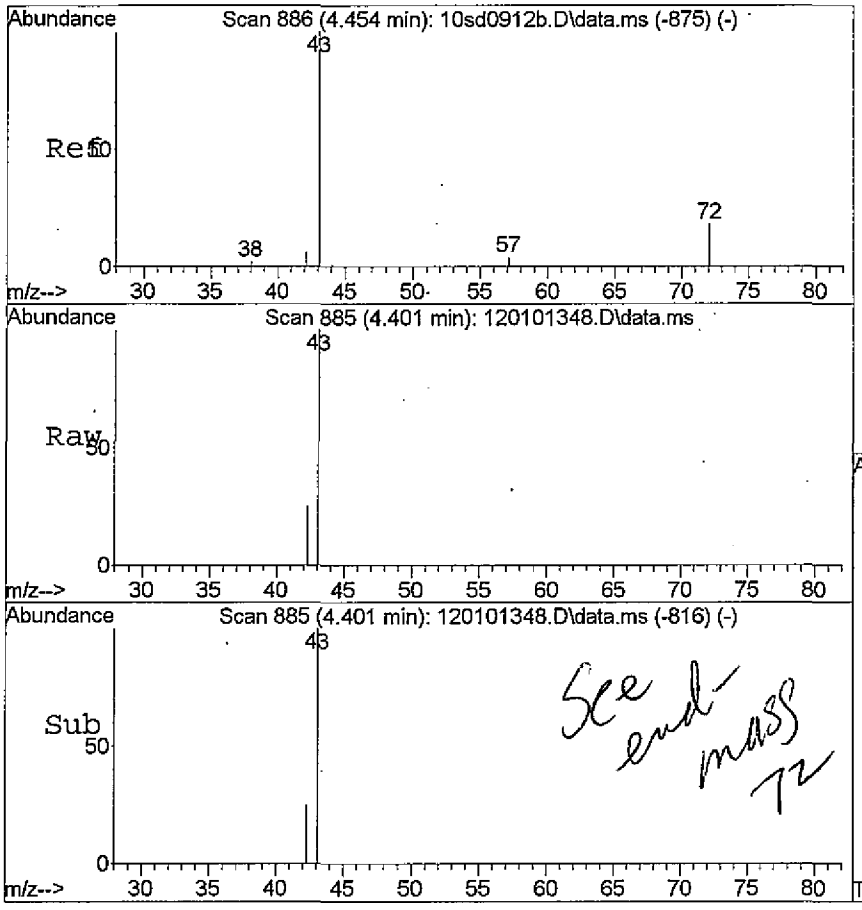


#11
METHYLENE CHLORIDE
Concen: 1.15 ug/L
RT: 2.815 min Scan# 462
Delta R.T. 0.004 min
Lab File: 120101348.D
Acq: 31 Jan 2012 5:29 pm

Tgt Ion: 84 Resp: 26519

Ion	Ratio	Lower	Upper
84	100		
49	163.7	102.1	153.1#
51	48.5	31.0	46.6#
86	64.4	49.2	73.8



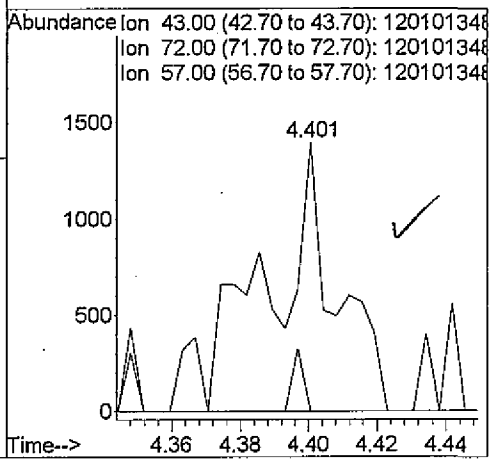


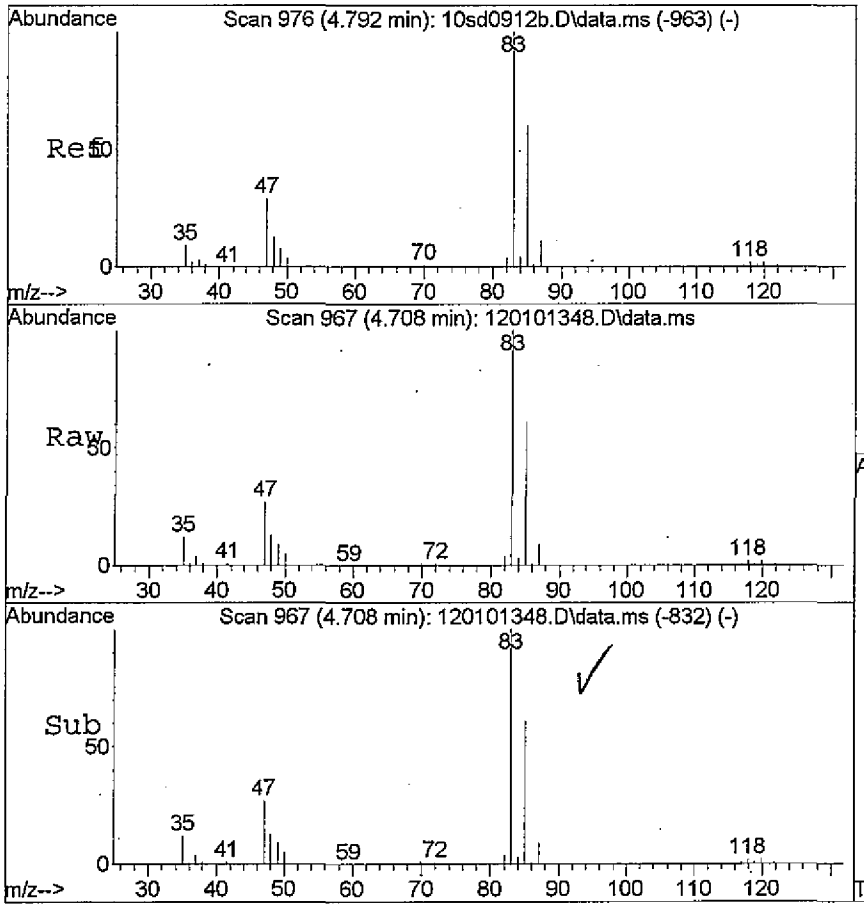
See end mass 72

#19
2-BUTANONE
Concen: 0.53 ug/L m
RT: 4.401 min Scan# 885
Delta R.T. 0.007 min
Lab File: 120101348.D
Acq: 31 Jan 2012 5:29 pm

Tgt Ion: 43 Resp: 1876

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.9	22.3#
57	0.0	6.1	9.1#

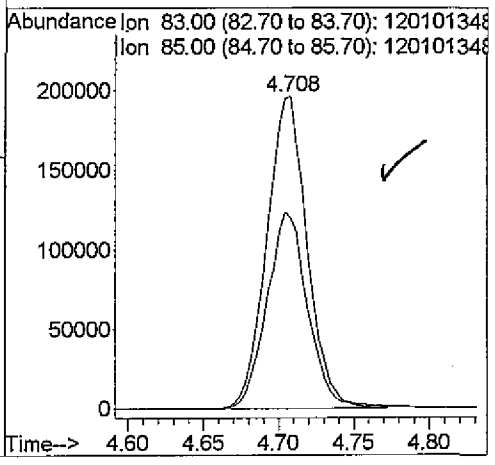


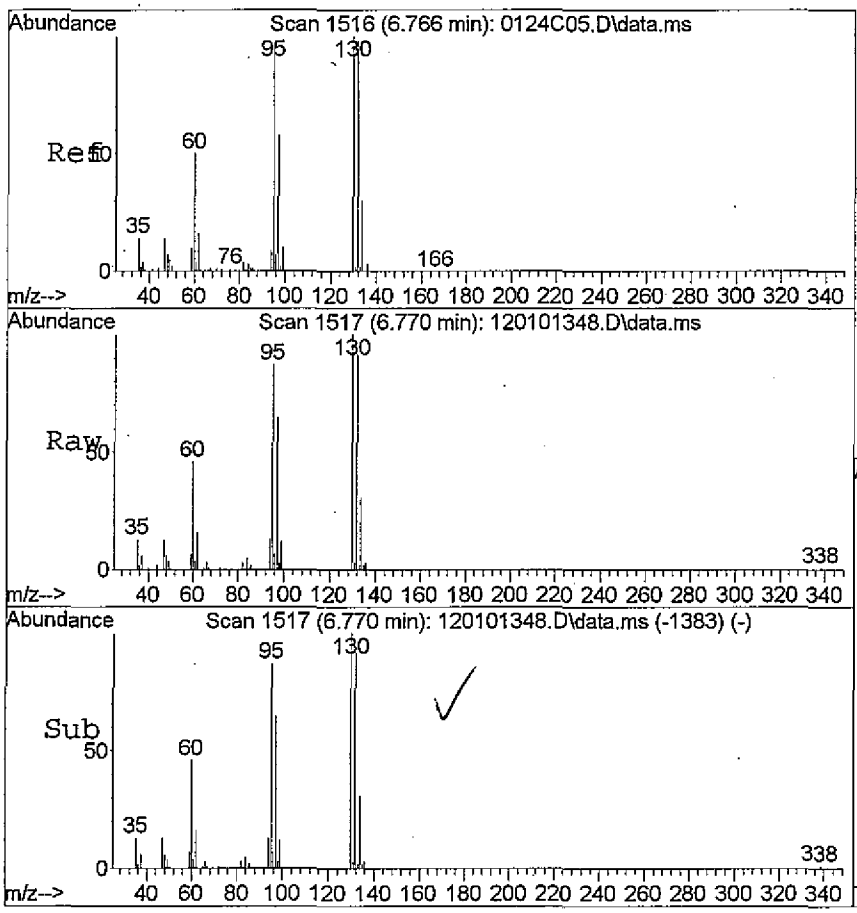


#22
CHLOROFORM
Concen: 8.15 ug/L
RT: 4.708 min Scan# 967
Delta R.T. 0.007 min
Lab File: 120101348.D
Acq: 31 Jan 2012 5:29 pm

Tgt Ion: 83 Resp: 368102

Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.3	76.9

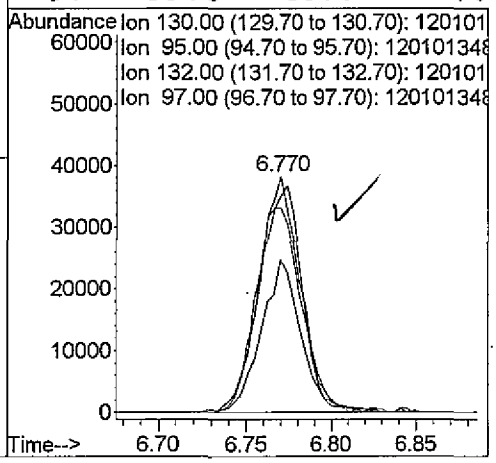


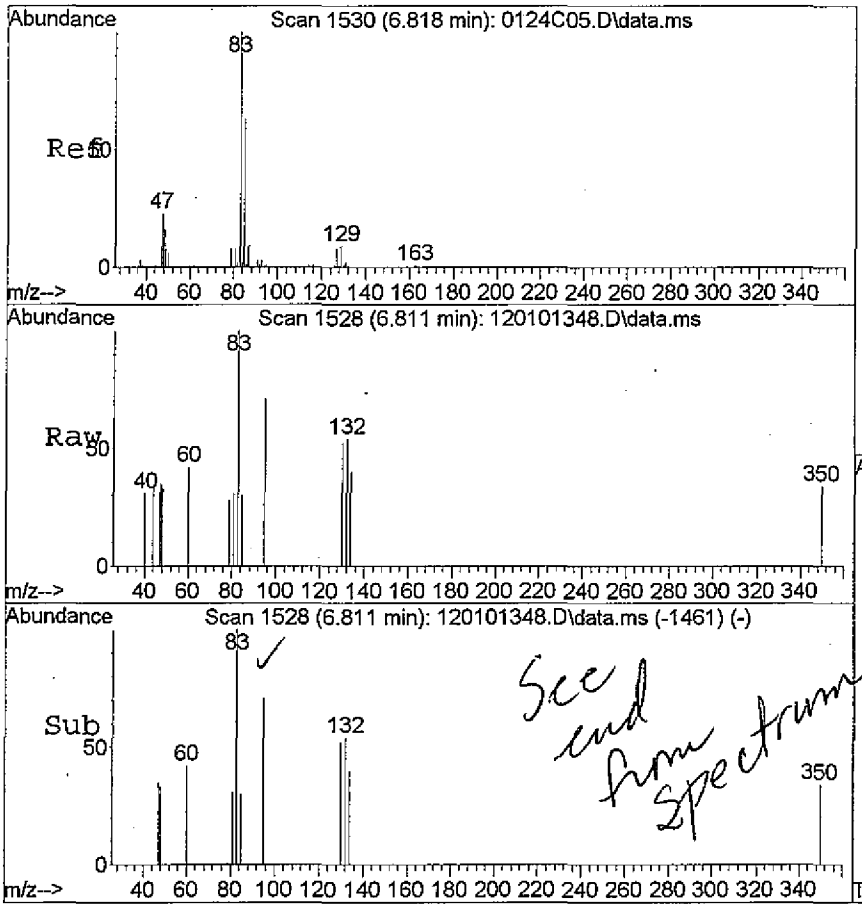


#33
TRICHLOROETHENE
Concen: 2.18 ug/L
RT: 6.770 min Scan# 1517
Delta R.T. 0.004 min
Lab File: 120101348.D
Acq: 31 Jan 2012 5:29 pm

Tgt Ion:130 Resp: 65713

Ion	Ratio	Lower	Upper
130	100		
95	91.6	74.6	111.8
132	99.1	77.6	116.4
97	59.8	48.0	72.0

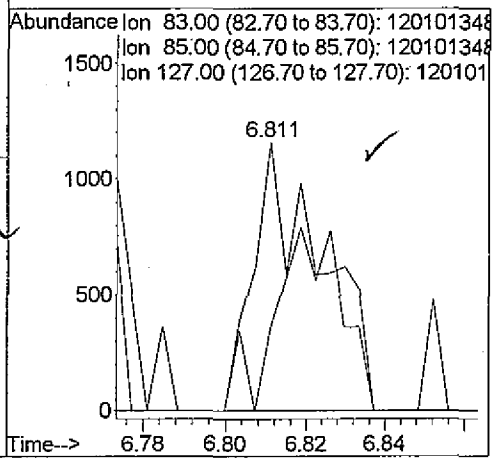


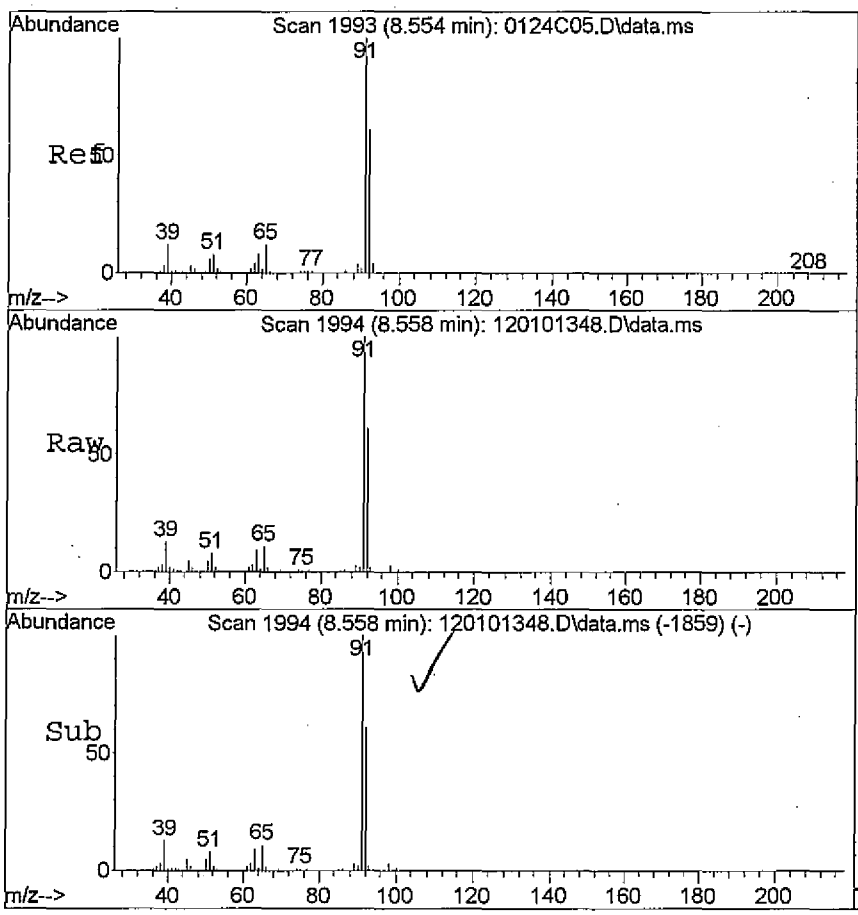


#34
BROMODICHLOROMETHANE
Concen: 0.05 ug/L
RT: 6.811 min Scan# 1528
Delta R.T. -0.000 min
Lab File: 120101348.D
Acq: 31 Jan 2012 5:29 pm

Tgt Ion: 83 Resp: 1364

Ion	Ratio	Lower	Upper
83	100		
85	68.0	50.1	75.1
127	0.0	7.0	10.6#

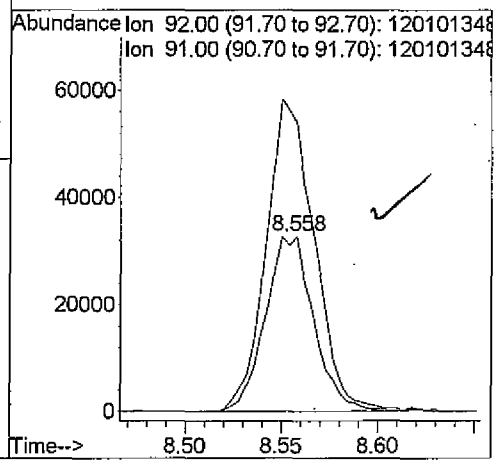


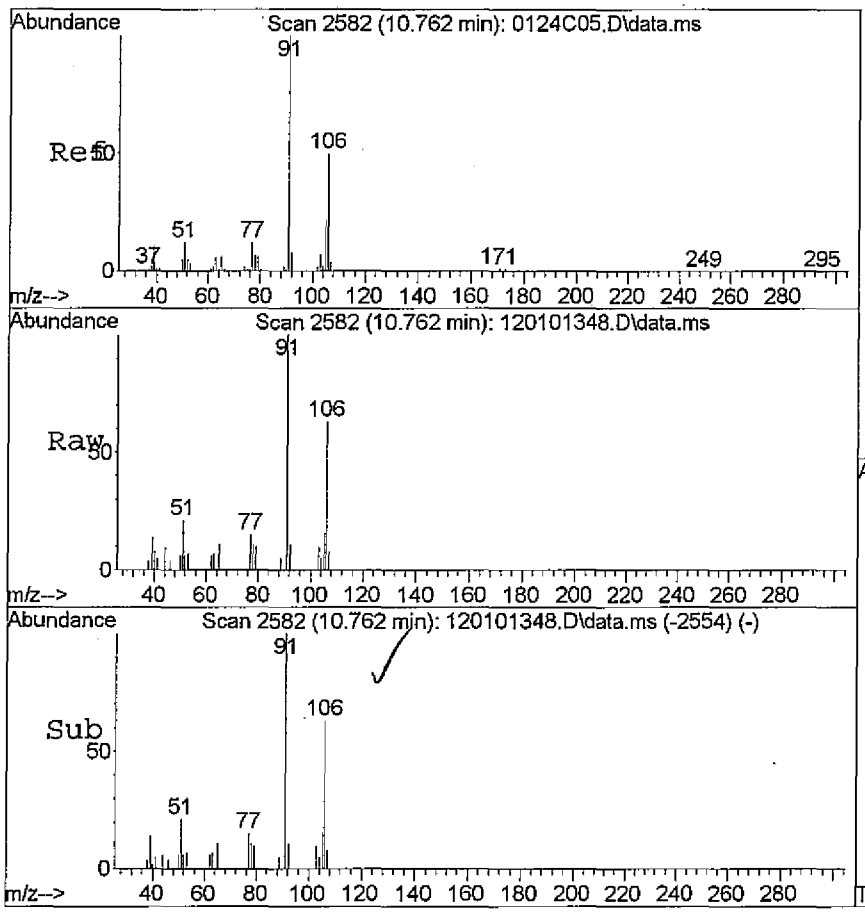


#43
TOLUENE
Concen: 0.66 ug/L
RT: 8.558 min Scan# 1994
Delta R.T. 0.007 min
Lab File: 120101348.D
Acq: 31 Jan 2012 5:29 pm

Tgt Ion: 92 Resp: 56979

Ion	Ratio	Lower	Upper
92	100		
91	177.8	139.3	208.9

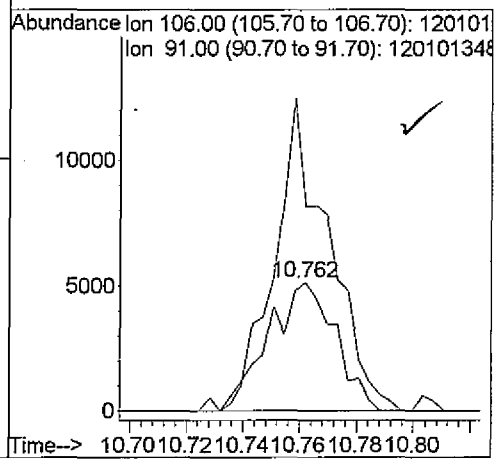


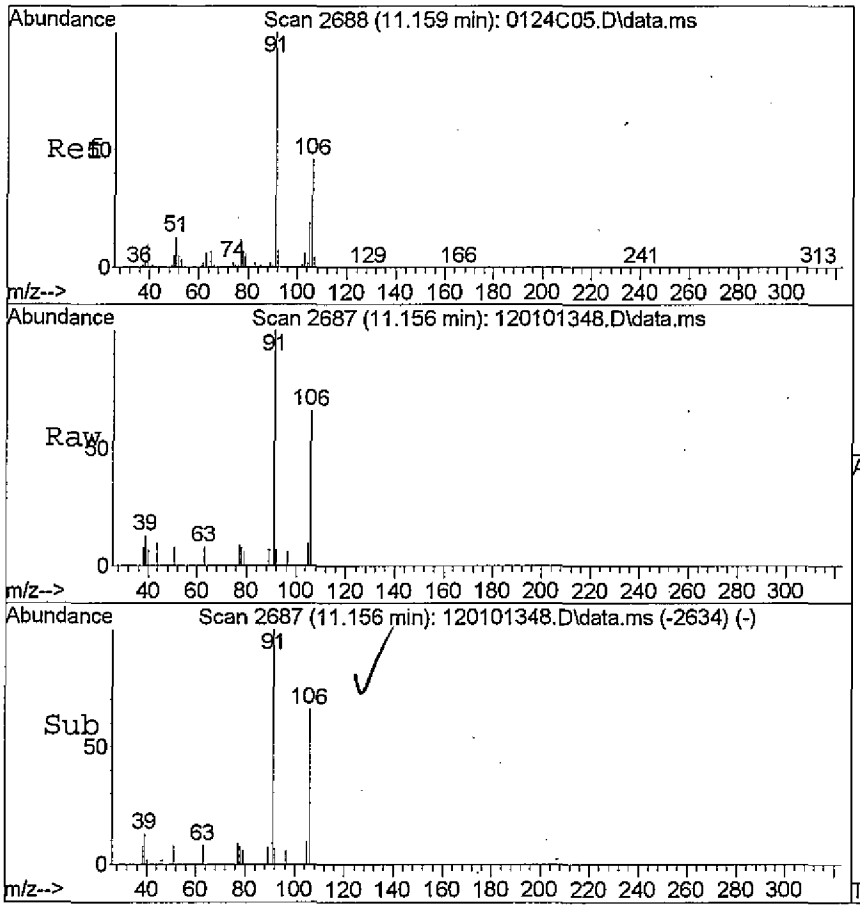


#53
M-XYLENE/P-XYLENE
Concen: 0.14 ug/L
RT: 10.762 min Scan# 2582
Delta R.T. 0.004 min
Lab File: 120101348.D
Acq: 31 Jan 2012 5:29 pm

Tgt Ion:106 Resp: 8423

Ion	Ratio	Lower	Upper
106	100		
91	196.8	164.8	247.2

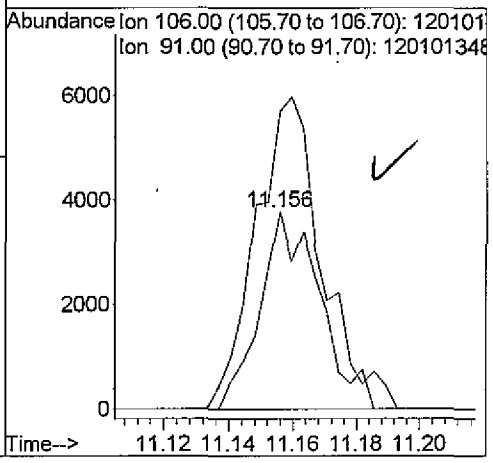


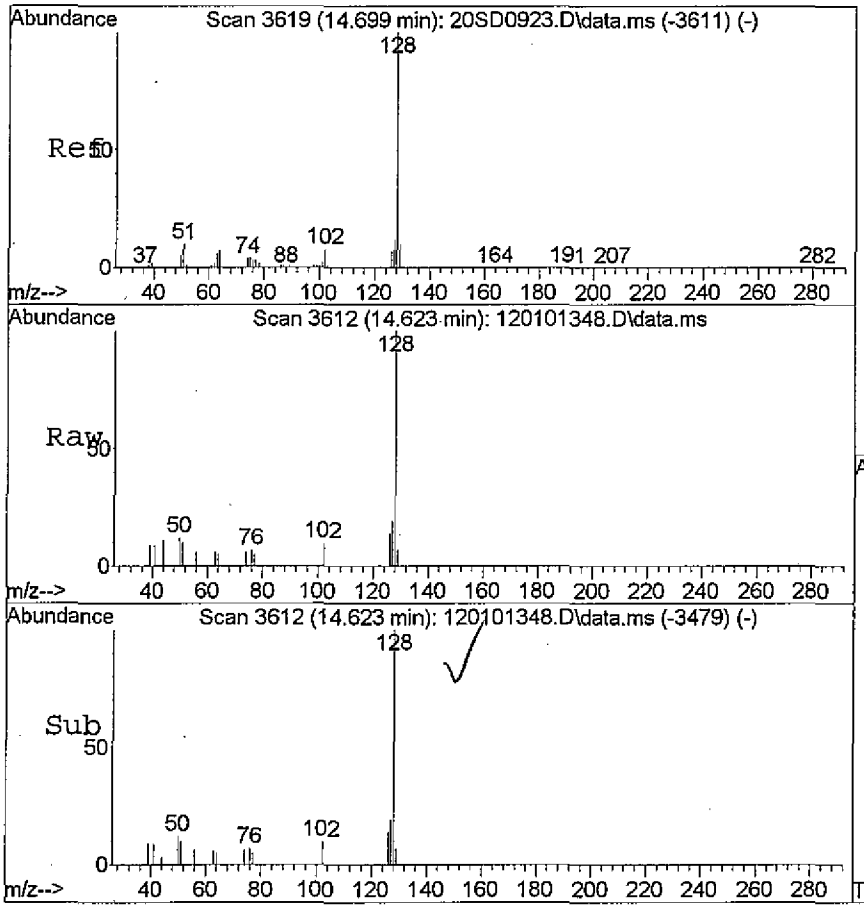


#55
O-XYLENE
Concen: 0.08 ug/L
RT: 11.156 min Scan# 2687
Delta R.T. -0.000 min
Lab File: 120101348.D
Acq: 31 Jan 2012 5:29 pm

Tgt Ion:106 Resp: 4905

Ion	Ratio	Lower	Upper
106	100		
91	175.4	173.3	259.9

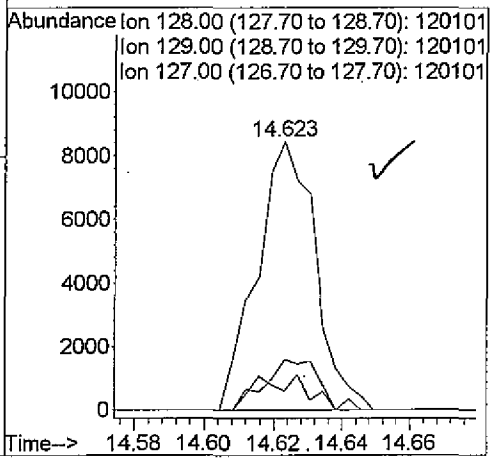




#76
NAPHTHALENE
Concen: 0.27 ug/L
RT: 14.623 min Scan# 3612
Delta R.T. -0.000 min
Lab File: 120101348.D
Acq: 31 Jan 2012 5:29 pm

Tgt Ion:128 Resp: 9969

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.7	13.1
127	17.9	10.2	15.2#



LSC Area Percent Report

Data Path : D:\data\01312012\
Data File : 120101348.D
Acq On : 31 Jan 2012 5:29 pm
Operator : SCW OBB-AG5975
Sample : TB04; A
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: NORMAL.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 95
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\methods\01242012B.M
Title : VOA Purge and Trap LOW LEVEL Aqueous Method

Signal : TIC: 120101

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.815	452	462	480	rBV2	74477	130377	8.53%	1.605%
2	4.704	953	966	990	rBV2	519890	994758	65.11%	12.243%
3	5.345	1123	1137	1156	rBV3	160576	312932	20.48%	3.851%
4	6.380	1398	1413	1429	rBV	590421	1050985	68.79%	12.935%
5	6.770	1504	1517	1541	rVB3	213289	382578	25.04%	4.709%
6	8.472	1956	1971	1984	rBV	874957	1527738	100.00%	18.802%
7	8.550	1984	1992	2009	rVB2	141037	256503	16.79%	3.157%
8	10.200	2418	2432	2456	rBV	794296	1336787	87.50%	16.452%
9	10.758	2568	2581	2595	rBV4	32599	54630	3.58%	0.672%
10	11.159	2681	2688	2698	rVB4	17011	23736	1.55%	0.292%
11	11.530	2775	2787	2802	rBV2	648990	844151	55.25%	10.389%
12	12.700	3088	3099	3113	rBV	963463	1183581	77.47%	14.567%
13	14.623	3601	3612	3622	rVB3	19451	26433	1.73%	0.325%

Sum of corrected areas: 8125189

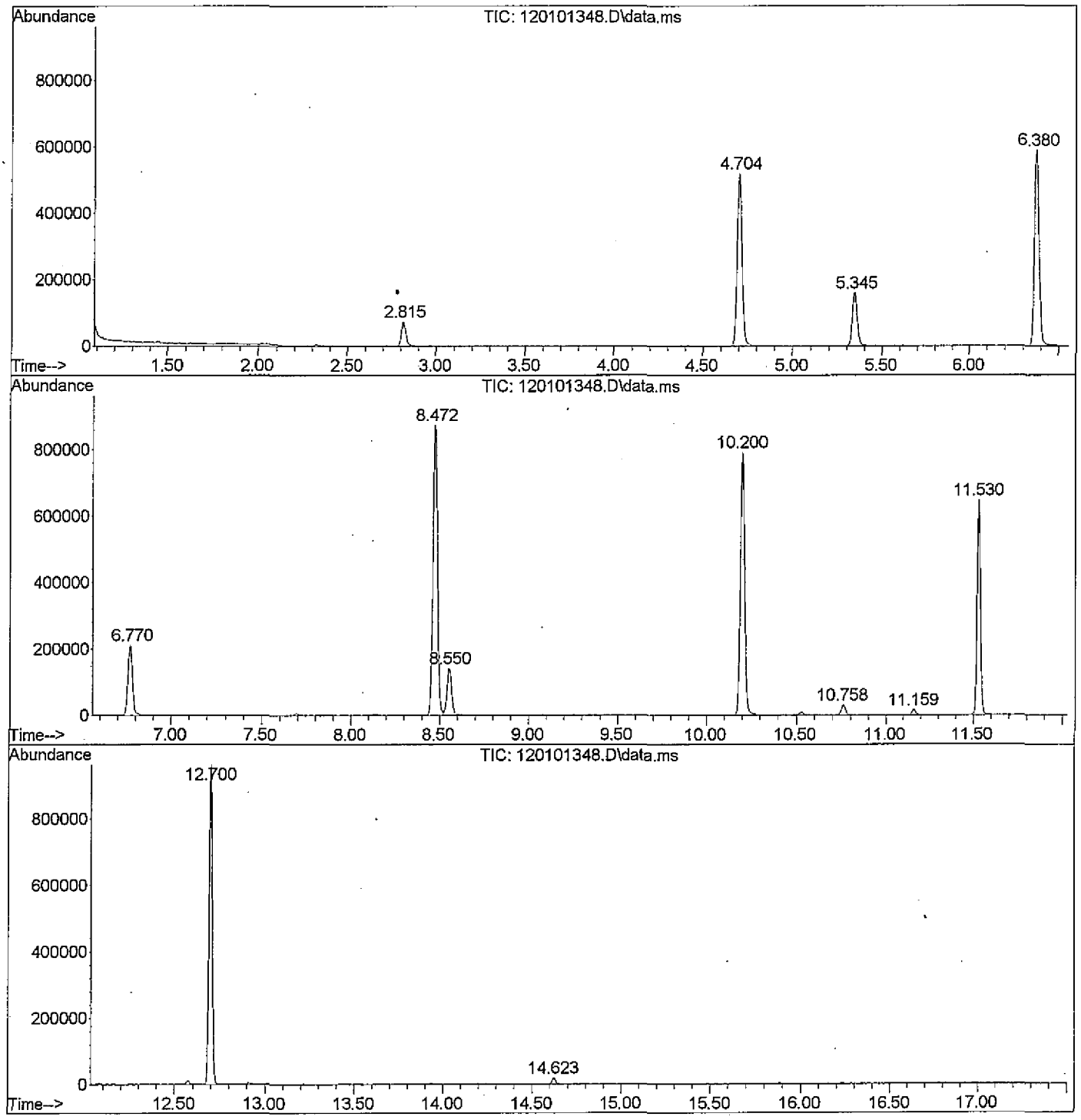
DIM0218843 DIM0219531

LSC Report - Integrated Chromatogram

Data Path : D:\data\01312012\
Data File : 120101348.D
Acq On : 31 Jan 2012 5:29 pm
Operator : SCW OBB-AG5975
Sample : TB04; A
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\data\01312012\
Data File : 120101348.D
Acq On : 31 Jan 2012 5:29 pm
Operator : SCW OBB-AG5975
Sample : TB04; A
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : D:\data\01312012\
Data File : 120101348.D
Acq On : 31 Jan 2012 5:29 pm
Operator : SCW OBB-AG5975
Sample : TB04; A
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method

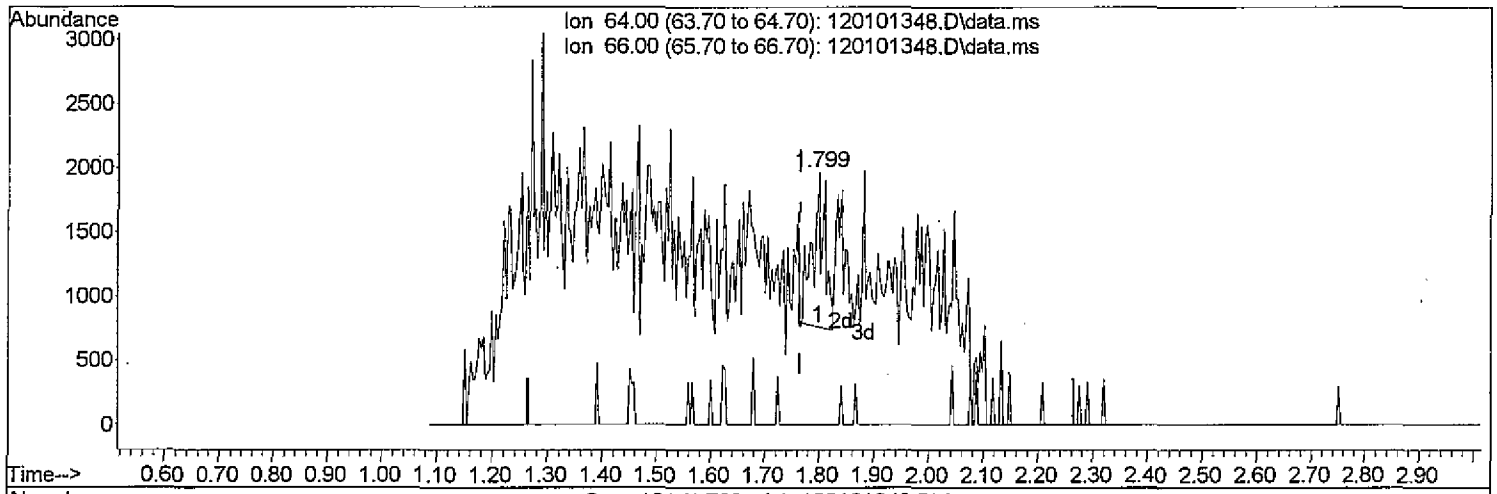
TIC Library : C:\Database\NIST05.L
TIC Integration Parameters: LSCINT.P

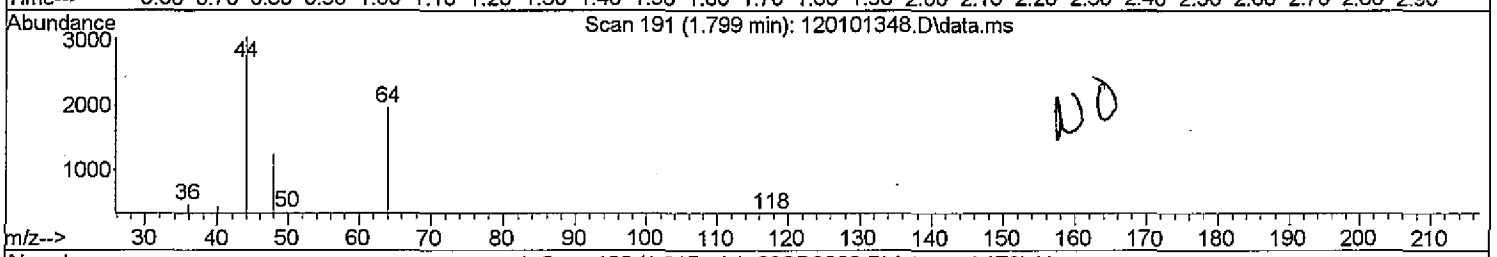
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

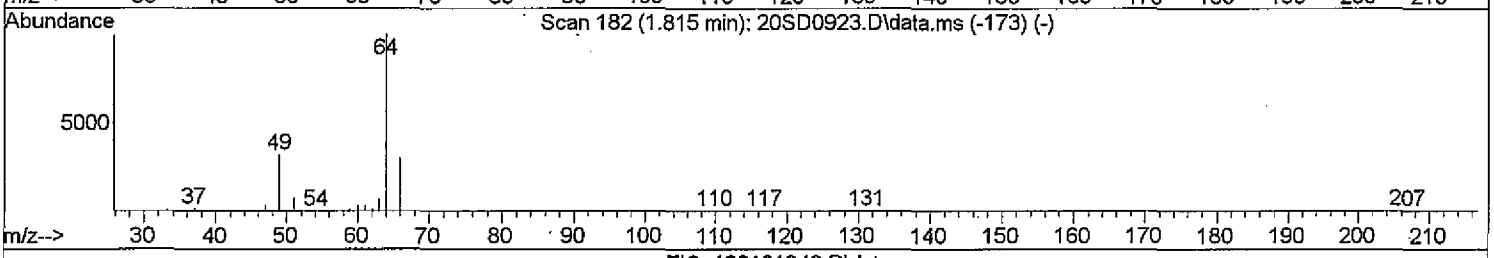
Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101348.D
Acq On : 31 Jan 2012 5:29 pm
Operator : SCW OBB-AG5975
Sample : TB04; A
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 01 09:19:12 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration







TIC: 120101348.D\data.ms

(6) CHLOROETHANE (TMCP)

1.799min (+0.034) 0.07ug/L

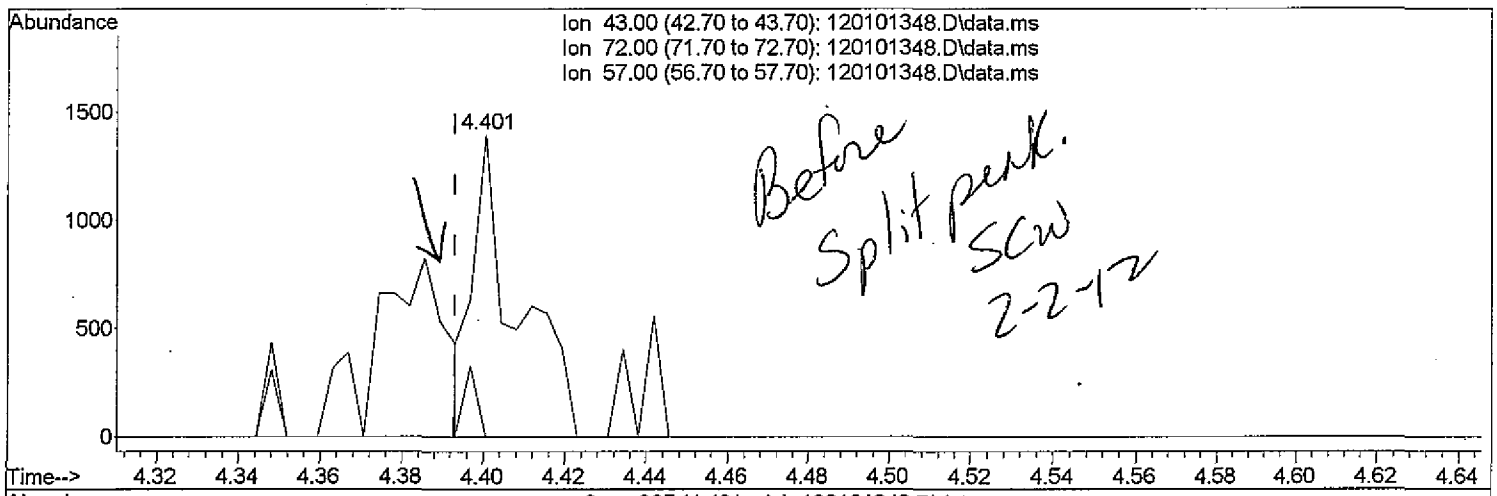
response 1865

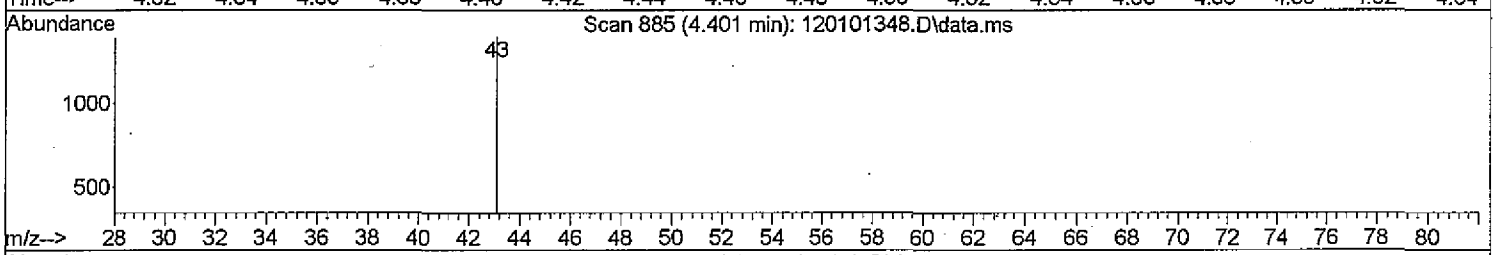
Ion	Exp%	Act%
64.00	100	100
66.00	31.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

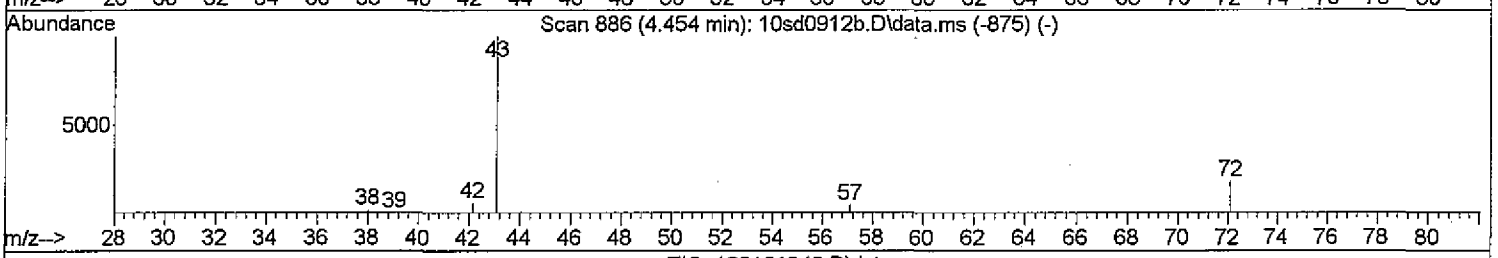
Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101348.D
Acq On : 31 Jan 2012 5:29 pm
Operator : SCW OBB-AG5975
Sample : TB04; A
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 01 09:19:12 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration







TIC: 120101348.D\data.ms

(19) 2-BUTANONE (TMCP)

4.401min (+0.007) 0.29ug/L

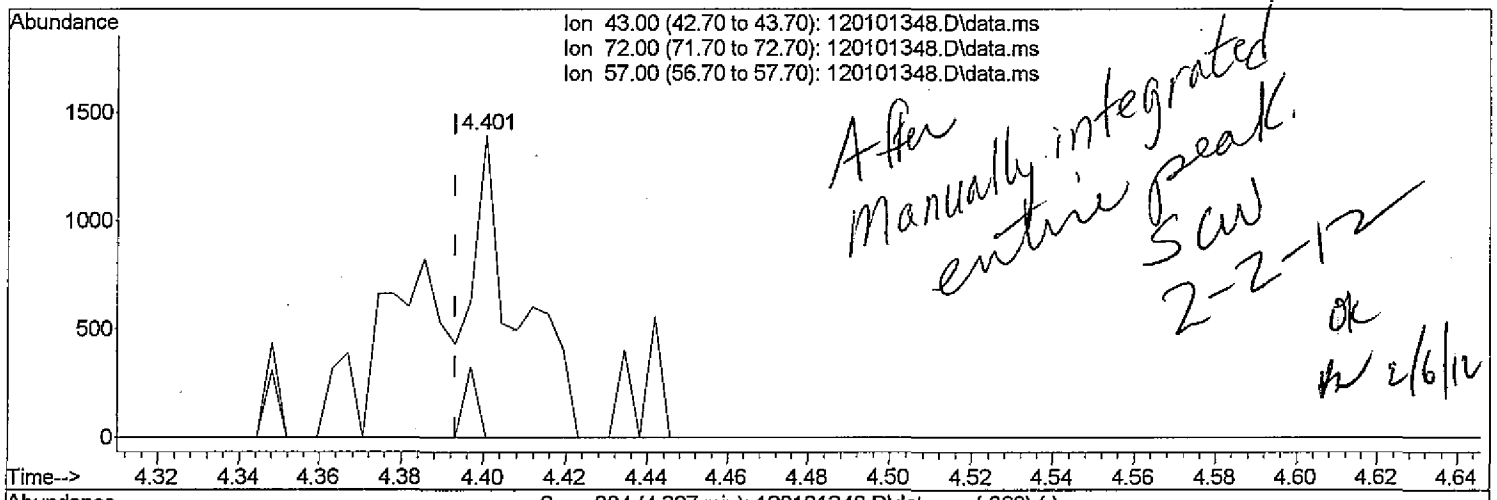
response 1041

Ion	Exp%	Act%
43.00	100	100
72.00	18.60	0.00#
57.00	7.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

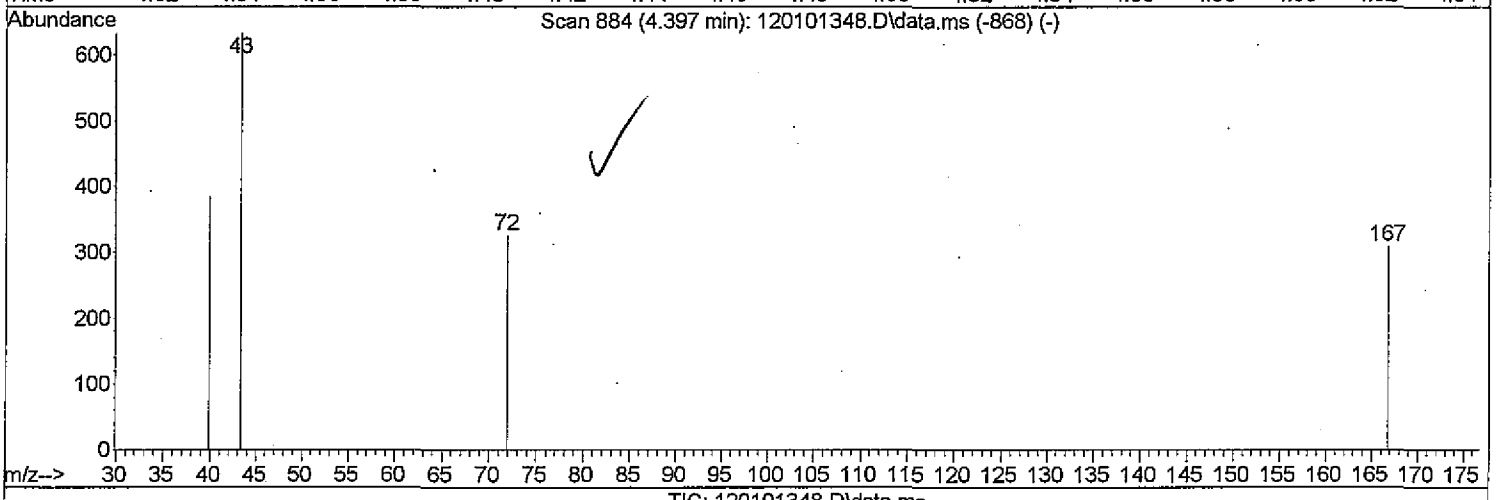
Data Path : D:\data\01312012\
Data File : 120101348.D
Acq On : 31 Jan 2012 5:29 pm
Operator : SCW OBB-AG5975
Sample : TB04; A
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 01 09:19:12 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



After manually integrated entire peak. SCW 2-2-12

OK 2/6/12



TIC: 120101348.D\data.ms

(19) 2-BUTANONE (TMCP)

4.401min (+0.007) 0.53ug/L m

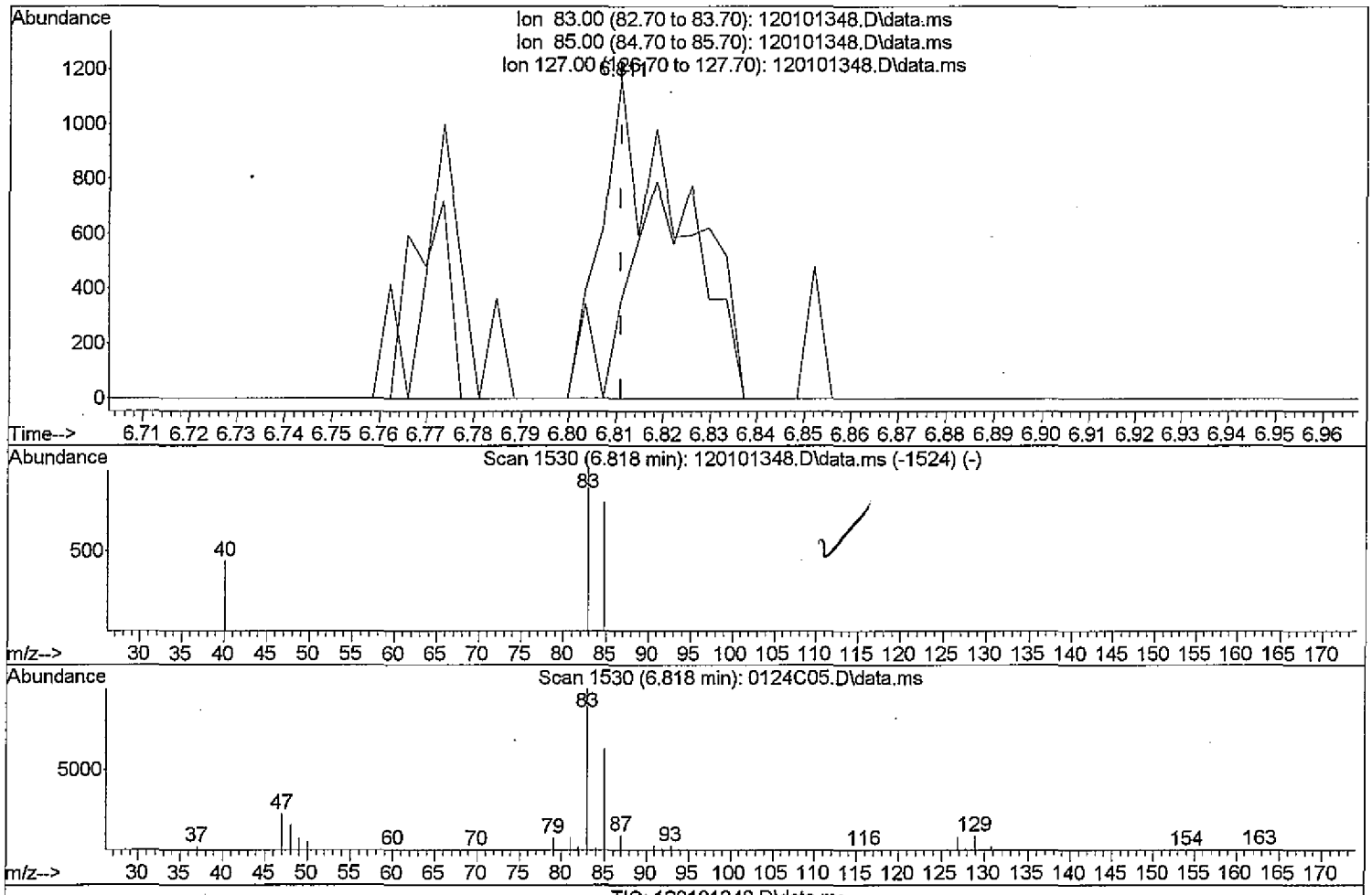
response 1876

Ion	Exp%	Act%
43.00	100	100
72.00	18.60	0.00#
57.00	7.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\data\01312012\
Data File : 120101348.D
Acq On : 31 Jan 2012 5:29 pm
Operator : SCW OBB-AG5975
Sample : TB04; A
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 01 09:19:12 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration



(34) BROMODICHLOROMETHANE (TMCP)

6.811min (-0.000) 0.05ug/L

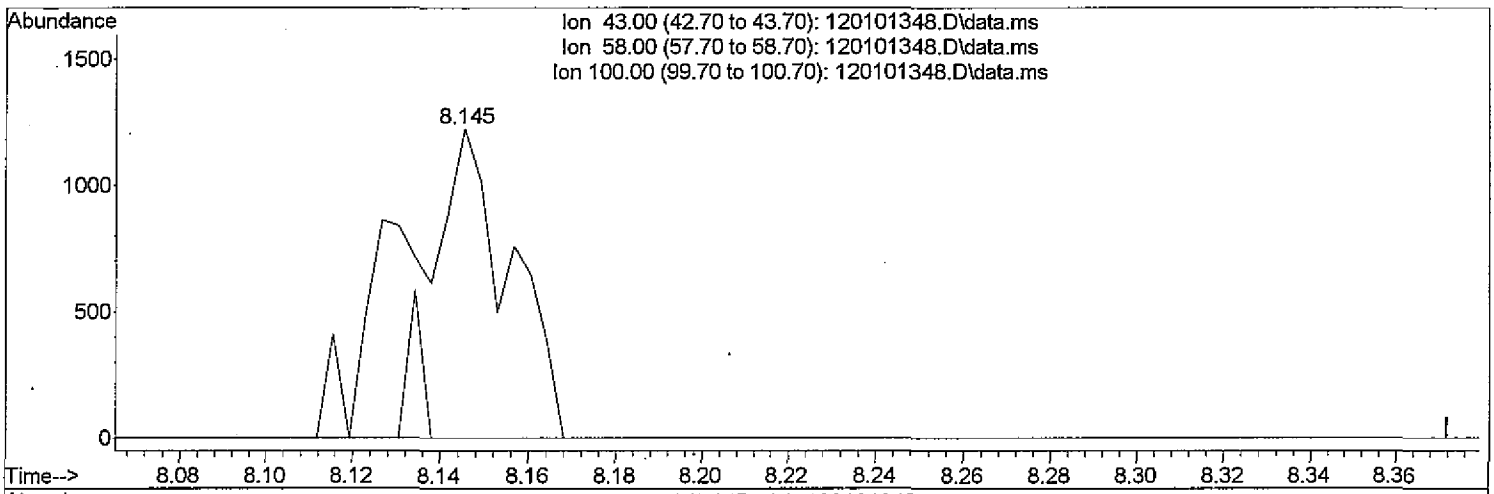
response 1364

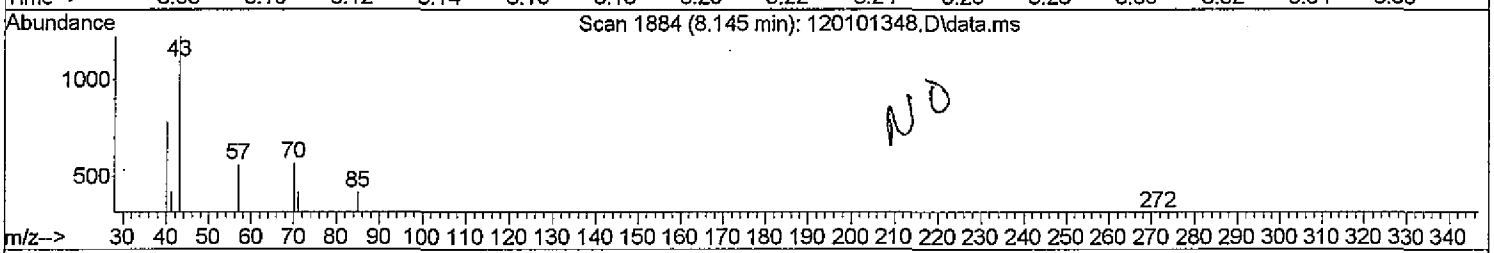
Ion	Exp%	Act%
83.00	100	100
85.00	62.60	67.96
127.00	8.80	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

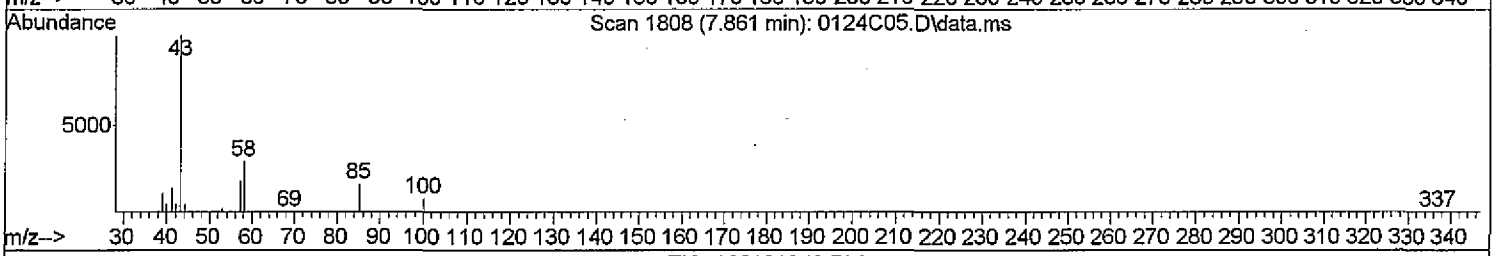
Data Path : D:\data\01312012\
Data File : 120101348.D
Acq On : 31 Jan 2012 5:29 pm
Operator : SCW OBB-AG5975
Sample : TB04; A
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 01 09:19:12 2012
Quant Method : D:\methods\01242012B.M
Quant Title : VOA Purge and Trap LOW LEVEL Aqueous Method
QLast Update : Tue Jan 31 12:43:25 2012
Response via : Initial Calibration





ND



TIC: 120101348.D\data.ms

(39) 4-METHYL-2-PENTANONE (TMCP)

8.145min (+0.274) 0.23ug/L

response 2101

Ion	Exp%	Act%
43.00	100	100
58.00	36.60	0.00#
100.00	12.60	0.00#
0.00	0.00	0.00