RTI LABORATORIES, INC.

Analytical Report

Level IV Data Package
RTI Work Order 1103120

Prepared by:

RTI Laboratories, Inc.
31628 Glendale
Livonia, MI 48150

Shaw Environmental & Infrastructure, Inc
Ms. Pamela Moss
74604 Technology Way
Denver, CO 80237

Project: Kirtland AFB
Task Order: 02

Reviewed and Approved By: _____ Date: April 15, 2011
Charles O'Bryan, Director Quality Management

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Project: Kirtland AFB
Task Order: 02
RTI Laboratories, Inc. Project # 1103120

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RTI Laboratories, Inc.

Date: *15-Apr.-11*

CLIENT: Shaw Environmental & Infrastructure, Inc.
Project: Kirtland AFB
Task Order: 02
Lab Order: 1103120

CASE NARRATIVE

SAMPLE RECEIPT:
Samples were received at the RTI Laboratory, Livonia, MI via commercial delivery on 3/3/2011. Samples were received in good condition. The sample set consisted of 15 air samples.

SAMPLE ANALYSIS:
Samples were analyzed at the RTI Livonia Laboratory for:
Volatile Organic Compounds – EPA Method TO15
Air-Phase Petroleum Hydrocarbons – MA_APH (Massachusetts DEP APH Method)

QUALITY CONTROL:

Volatile Organic Compounds Analyses:

All sample analyses included a Method Blank, CCV, RLVS (CRQL) and Duplicate. All QC parameters were within established control limits except where noted on the QC forms or below. Initial and continuing calibration results were within method specifications. MS tuning parameters were within the acceptable ranges for the method.

Continuing calibration verification (CCV) standard – Analytical Sequence ID 39558, 3/17/11: Recoveries for 1,2,4-Trichlorobenzene, 2-Hexanone, 4-Methyl-2-pentanone, Bromomethane and Naphthalene exceeded the 30% criteria.

Continuing calibration verification (CCV) standard – Analytical Sequence ID 39579, 3/23/11: Recoveries for 1,2,4-Trichlorobenzene, Bromomethane, Hexachlorobutadiene and Naphthalene exceeded the 30% criteria.

Surrogate recoveries were within established control limits except as noted below.

Sample ID	4-Bromoflurobenzene
1103120-006	156%
1103120-007	143%

Sample ID 1103120-004, -005, -006, -007, -008, -011, -012, -014, -015, 014ADUP: Propylene concentration exceeds the upper calibration range. Results are estimated.

RTI Laboratories, Inc.

Date: *15-Apr.-11*

CLIENT: Shaw Environmental & Infrastructure, Inc.
Project: Kirtland AFB
Task Order: 02
Lab Order: 1103120

CASE NARRATIVE

Analytical Sequence ID 39558:

- Analytical Comments for METHOD EPA_TO15-ug/m3, SAMPLE 1103120-013ADUP, Batch ID R39558: RPD results affected by high analyte concentrations.
- Method Blank 39558: Results for Acetone, Cyclohexane, Ethanol, Heptane, Methylene chloride, Naphthalene, n-Hexane, Propylene and Toluene were greater than ½ the RL.

Analytical Sequence ID 39579:

- Analytical Comments for METHOD EPA_TO15-ug/m3, SAMPLE 1103120-014ADUP, Batch ID R39579: RPD results affected by high analyte concentrations.
- Method Blank 39579: Results for Benzene, Cyclohexane, Heptane, n-Hexane, Propylene and Toluene were greater than ½ the RL.

Air-Phase Petroleum Hydrocarbons Analyses:

All sample analyses included a Method Blank, LCS, LCSD and Duplicate, where applicable. All QC parameters were within established control limits except where noted on the QC summary forms or below. Initial and continuing calibration results were within method specifications.

Surrogate recoveries were within established control limits except as noted below.

Sample ID	4-Bromofluorobenzene
1103120-006	151%
1103120-007	138%

Batch ID 39568:

- Sample ID 110312-013ADUP elevated RPD results for C5-C8 Aliphatic Hydrocarbons (30.6%).

No other problems were noted during the analytical events associated with this project.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signed: _____ Date: 4/15/2011
Charles O'Bryan, Director, Quality Management

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Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

1103/20

Reference Document No: 140705-SV

Project Number: 140705
Project Name: Kirtland AFB
Sample Coordinator: Mark Lyon
Turnaround Time:

Samples Shipment Date: 25 FEB 2011
Lab Destination: RTI Laboratories
Lab Contact: Mike Truchan
Project Contact: Pamela Moss
Carrier/Waybill No.: UPS/1Z66V6900398535912

Bill To: Shaw Environmental, Inc. - Accounts P
PO Box 98519
Baton Rouge LA 70884

Report To: Pamela Moss
7604 Technology Way, Suite 300
Denver CO 80237

Special Instructions:

Possible Hazard Indentification: Radiological [ ]
Non-hazard [X] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ]

Sample Disposal:
Return to Client [ ] Disposal by Lab [X] Archive (mos.)

1. Relinquished By (Signature/Affiliation)	Mark Lyon Shaw Environmental	Date: 2-25-11 Time: 1630	1. Received By (Signature/Affiliation) KT Labs	Date: 3/3/11 Time: 0915
2. Relinquished By (Signature/Affiliation)		Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)		Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: UPS GROUND SERVICE

ONLY Rec'd bottle VOC's
Only 5 Only able to analyze VOC/APH/TPH/KA

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
VA8001-TB	FIELDQC-AQ-VA8001-TB-TB	24 FEB 2011	09:00	1 L BOTTLEVAC	1	None Required	VOCs / TPH by TO-15			N		
VA9001	ST106-IN-GS-VA9001-REG	24 FEB 2011	13:30	1 L BOTTLEVAC	1	None Required	VOCs / TPH by TO-15			N		
VA9001	ST106-IN-GS-VA9001-REG	24 FEB 2011	13:30	1 L Tedlar Bag	1	None Required	Fixed Gases by ASTM D2504			N		
VA9001	ST106-IN-GS-VA9001-REG	24 FEB 2011	13:30	2 In OV5 XAD-2	1	None Required	TPH as Diesel by SW846 8015B			N		
VA9002	ST106-IN-GS-VA9002-FD	24 FEB 2011	16:00	1 L BOTTLEVAC	1	None Required	VOCs / TPH by TO-15			N		
VA9002	ST106-IN-GS-VA9002-FD	24 FEB 2011	16:00	1 L Tedlar Bag	1	None Required	Fixed Gases by ASTM D2504			N		
VA9002	ST106-IN-GS-VA9002-FD	24 FEB 2011	16:00	2 In OV5 XAD-2	1	None Required	TPH as Diesel by SW846 8015B			N		
VA9003	ST106-POSTC1-GS-VA9003-REG	24 FEB 2011	10:10	1 L BOTTLEVAC	1	None Required	VOCs / TPH by TO-15			N		

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Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

1103/20

Reference Document No: 140705-SV

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
VA9003	ST106-POSTC1-GS-VA9003-REG	24 FEB 2011	10:10	1 L Tedlar Bag	1	None Required	Fixed Gases by ASTM D2504			N		
VA9004	ST106-POSTC2-GS-VA9004-REG	24 FEB 2011	10:15	1 L BOTTLEVAC	1	None Required	VOCs / TPH by TO-15			N		
VA9004	ST106-POSTC2-GS-VA9004-REG	24 FEB 2011	10:15	1 L Tedlar Bag	1	None Required	Fixed Gases by ASTM D2504			N		
VA9005	KAFB1065-IN-GS-VA9005-REG	25 FEB 2011	10:45	1 L Tedlar Bag	1	None Required	Fixed Gases by ASTM D2504			N		
VA9005	KAFB1065-IN-GS-VA9005-REG	25 FEB 2011	10:45	2 In OV5 XAD-2	1	None Required	TPH as Diesel by SW846 8015B			N		
VA9005	KAFB1065-IN-GS-VA9005-REG	25 FEB 2011	10:45	1 L BOTTLEVAC	1	None Required	VOCs / TPH by TO-15			N		
VA9006	KAFB1065-POSTC1-GS-VA9006-REG	25 FEB 2011	10:15	1 L BOTTLEVAC	1	None Required	VOCs / TPH by TO-15			N		
VA9006	KAFB1065-POSTC1-GS-VA9006-REG	25 FEB 2011	10:15	1 L Tedlar Bag	1	None Required	Fixed Gases by ASTM D2504			N		
VA9007	KAFB1065-POSTC2-GS-VA9007-REG	25 FEB 2011	10:30	1 L BOTTLEVAC	1	None Required	VOCs / TPH by TO-15			N		
VA9007	KAFB1065-POSTC2-GS-VA9007-REG	25 FEB 2011	10:30	1 L Tedlar Bag	1	None Required	Fixed Gases by ASTM D2504			N		
VA9008	KAFB1066-IN-GS-VA9008-REG	24 FEB 2011	12:10	1 L BOTTLEVAC	1	None Required	VOCs / TPH by TO-15			N		
VA9008	KAFB1066-IN-GS-VA9008-REG	24 FEB 2011	12:10	1 L Tedlar Bag	1	None Required	Fixed Gases by ASTM D2504			N		
VA9008	KAFB1066-IN-GS-VA9008-REG	24 FEB 2011	12:10	2 In OV5 XAD-2	1	None Required	TPH as Diesel by SW846 8015B			N		
VA9009	KAFB1066-POSTC1-GS-VA9009-REG	24 FEB 2011	11:25	1 L BOTTLEVAC	1	None Required	VOCs / TPH by TO-15			N		
VA9009	KAFB1066-POSTC1-GS-VA9009-REG	24 FEB 2011	11:25	1 L Tedlar Bag	1	None Required	Fixed Gases by ASTM D2504			N		
VA9010	KAFB1066-POSTC2-GS-VA9010-REG	24 FEB 2011	11:35	1 L Tedlar Bag	1	None Required	Fixed Gases by ASTM D2504			N		
VA9010	KAFB1066-POSTC2-GS-VA9010-REG	24 FEB 2011	11:35	1 L BOTTLEVAC	1	None Required	VOCs / TPH by TO-15			N		
VA9011	KAFB1066-POSTC2-GS-VA9011-FD	24 FEB 2011	11:45	1 L BOTTLEVAC	1	None Required	VOCs / TPH by TO-15			N		
VA9011	KAFB1066-POSTC2-GS-VA9011-FD	24 FEB 2011	11:45	1 L Tedlar Bag	1	None Required	Fixed Gases by ASTM D2504			N		
VA9012	KAFB1068-IN-GS-VA9012-REG	25 FEB 2011	09:25	1 L BOTTLEVAC	1	None Required	VOCs / TPH by TO-15			N		
VA9012	KAFB1068-IN-GS-VA9012-REG	25 FEB 2011	09:25	1 L Tedlar Bag	1	None Required	Fixed Gases by ASTM D2504			N		
VA9012	KAFB1068-IN-GS-VA9012-REG	25 FEB 2011	09:25	2 In OV5 XAD-2	1	None Required	TPH as Diesel by SW846 8015B			N		
VA9013	KAFB1068-POSTC1-GS-VA9013-REG	25 FEB 2011	08:45	1 L BOTTLEVAC	1	None Required	VOCs / TPH by TO-15			N		
VA9013	KAFB1068-POSTC1-GS-VA9013-REG	25 FEB 2011	08:45	1 L Tedlar Bag	1	None Required	Fixed Gases by ASTM D2504			N		
VA9014	KAFB1068-POSTC2-GS-VA9014-REG	25 FEB 2011	09:05	1 L BOTTLEVAC	1	None Required	VOCs / TPH by TO-15			N		
VA9014	KAFB1068-POSTC2-GS-VA9014-REG	25 FEB 2011	09:05	1 L Tedlar Bag	1	None Required	Fixed Gases by ASTM D2504			N		

VA9003 5 75 74 71 4 3 12 79 80 81

Kodd 3/3/10

Bottle Vac #'s

1
2
3
4
5
6
65
66
67
76
77
78
79
80
81

Regulator #'s

1
2
3
4
5
6
45
46
67
68
70
81

15 Bottle Vac's — 12 ~~15~~ 16 Regulators total 3/3/11

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Sample Receipt Checklist

Client Name: **SHA04** Date and Time Received: **3/3/2011 9:15:00 AM**

Work Order Number **1103120** RcptNo: **1** Received by: **Katherine Jones**

Completed by: Reviewed by:

Completed Date: 3/3/2011 4:40:02 PM Reviewed Date:

Carrier name: UPS

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐	Not Present	☐
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐		
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐		
Response when temperature is outside of range:				
Preservative added to bottles:				
Sample Temp. taken and recorded upon receipt?	Yes ☐	No ☑	To	°C
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☑	No ☐		
Traffic Report or Packing Lists present?	Yes ☑	No ☐		
Airbill or Sticker?	Air Bill ☑	Sticker ☐	Not Present	☐
Airbill No:	1Z66V6900396682105			
Sample Tags Present?	Yes ☐	No ☑		
Sample Tags Listed on COC?	Yes ☐	No ☑		
Tag Numbers:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐

Case Number: SDG: SAS:

Adjusted? _____ Checked by

Any No and/or NA (not applicable) response must be detailed in the comments section below.

RTI LABORATORIES, INC.

RTI
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Livonia, MI 48150
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Sample Receipt Checklist

Client Contacted?	☑ Yes ☐ No ☐ NA	Person Contacted:	Mark/Pamela
Contact Mode:	☐ Phone: ☐ Fax:	☑ Email:	☐ In Person:
Client Instructions:			
Date Contacted:	3/5/2011	Contacted By:	Mike T
Regarding:	Bottle vacs received, no other containers rec'd		
CorrectiveAction:			

Comments:
Only Amber Vac Bottles recievd for TO15, no other containers received.

RTI LABORATORIES, INC.

RTI
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Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Workorder Sample Summary

WO#: 1103120

11-Apr-11

CLIENT: Shaw Environmental & Infrastructure, Inc
Project: Kirtland AFB

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1103120-001	FIELDQC-AQ-VA80001-TB-TB		2/24/2011 9:00:00 AM	3/3/2011 9:15:00 AM	Air
1103120-002	ST106-IN-GS-VA9001-REG		2/24/2011 1:30:00 PM	3/3/2011 9:15:00 AM	Air
1103120-003	ST106-IN-GS-VA9002-FD		2/24/2011 4:00:00 PM	3/3/2011 9:15:00 AM	Air
1103120-004	ST106-POSTC1-GS-VA9003-REG		2/24/2011 10:10:00 AM	3/3/2011 9:15:00 AM	Air
1103120-005	ST106-POSTC2-GS-VA9004-REG		2/24/2011 10:15:00 AM	3/3/2011 9:15:00 AM	Air
1103120-006	KAFB1065-IN-GS-VA9005-REG		2/24/2011 10:45:00 AM	3/3/2011 9:15:00 AM	Air
1103120-007	KAFB1065-POSTC1-GS-VA9006-REG		2/24/2011 10:15:00 AM	3/3/2011 9:15:00 AM	Air
1103120-008	KAFB1065-POSTC2-GS-VA9007-REG		2/24/2011 10:30:00 AM	3/3/2011 9:15:00 AM	Air
1103120-009	KAFB1066-IN-GS-VA9008-REG		2/24/2011 12:10:00 PM	3/3/2011 9:15:00 AM	Air
1103120-010	KAFB1066-POSTC1-GS-VA9009-REG		2/24/2011 11:25:00 AM	3/3/2011 9:15:00 AM	Air
1103120-011	KAFB1066-POSTC2-GS-VA9010-REG		2/24/2011 11:35:00 AM	3/3/2011 9:15:00 AM	Air
1103120-012	KAFB1066-POSTC2-GS-VA9011-FD		2/24/2011 11:45:00 AM	3/3/2011 9:15:00 AM	Air
1103120-013	KAFB1068-IN-GS-VA9012-REG		2/25/2011 9:25:00 AM	3/3/2011 9:15:00 AM	Air
1103120-014	KAFB1068-POSTC1-GS-VA9013-REG		2/25/2011 8:45:00 AM	3/3/2011 9:15:00 AM	Air
1103120-015	KAFB1068-POSTC2-GS-VA9014-REG		2/25/2011 9:05:00 AM	3/3/2011 9:15:00 AM	Air

RTI LABORATORIES, INC.

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DATES REPORT

WO#: 1103120

11-Apr-11

Client: Shaw Environmental & Infrastructure, Inc

Project: Kirtland AFB

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1103120-001A	FIELDQC-AQ-VA80001-TB-TB	2/24/2011 9:00:00 AM	Air	Air-Phase Petroleum Hydrocarbons			3/17/2011 7:47:00 PM
				Volatile Organic Compounds			3/17/2011 7:47:00 PM
1103120-002A	ST106-IN-GS-VA9001-REG	2/24/2011 1:30:00 PM		Air-Phase Petroleum Hydrocarbons			3/18/2011 4:22:00 AM
				Volatile Organic Compounds			3/23/2011 7:03:00 PM
				Volatile Organic Compounds			3/18/2011 4:22:00 AM
1103120-003A	ST106-IN-GS-VA9002-FD	2/24/2011 4:00:00 PM		Air-Phase Petroleum Hydrocarbons			3/18/2011 5:03:00 AM
				Volatile Organic Compounds			3/18/2011 5:03:00 AM
				Volatile Organic Compounds			3/23/2011 7:45:00 PM
1103120-004A	ST106-POSTC1-GS-VA9003-REG	2/24/2011 10:10:00 AM		Air-Phase Petroleum Hydrocarbons			3/18/2011 10:00:00 AM
				Volatile Organic Compounds			3/23/2011 9:54:00 PM
				Volatile Organic Compounds			3/18/2011 10:00:00 AM
1103120-005A	ST106-POSTC2-GS-VA9004-REG	2/24/2011 10:15:00 AM		Air-Phase Petroleum Hydrocarbons			3/18/2011 10:40:00 AM
				Volatile Organic Compounds			3/23/2011 10:39:00 PM
				Volatile Organic Compounds			3/18/2011 10:40:00 AM
1103120-006A	KAFB1065-IN-GS-VA9005-REG	2/24/2011 10:45:00 AM		Air-Phase Petroleum Hydrocarbons			3/18/2011 11:21:00 AM
				Volatile Organic Compounds			3/18/2011 11:21:00 AM
				Volatile Organic Compounds			3/23/2011 11:24:00 PM
1103120-007A	KAFB1065-POSTC1-GS-VA9006-REG	2/24/2011 10:15:00 AM		Air-Phase Petroleum Hydrocarbons			3/18/2011 12:01:00 PM
				Volatile Organic Compounds			3/18/2011 12:01:00 PM
				Volatile Organic Compounds			3/24/2011 12:08:00 AM

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DATES REPORT

WO#: 1103120

11-Apr-11

Client: Shaw Environmental & Infrastructure, Inc

Project: Kirtland AFB

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1103120-008A	KAFB1065-POSTC2-GS-VA9007-REG	2/24/2011 10:30:00 AM	Air	Air-Phase Petroleum Hydrocarbons			3/18/2011 12:42:00 PM
				Volatile Organic Compounds			3/18/2011 12:42:00 PM
				Volatile Organic Compounds			3/24/2011 12:53:00 AM
1103120-009A	KAFB1066-IN-GS-VA9008-REG	2/24/2011 12:10:00 PM		Air-Phase Petroleum Hydrocarbons			3/18/2011 8:38:00 AM
				Volatile Organic Compounds			3/18/2011 8:38:00 AM
1103120-010A	KAFB1066-POSTC1-GS-VA9009-REG	2/24/2011 11:25:00 AM		Air-Phase Petroleum Hydrocarbons			3/18/2011 1:23:00 PM
				Volatile Organic Compounds			3/18/2011 1:23:00 PM
1103120-011A	KAFB1066-POSTC2-GS-VA9010-REG	2/24/2011 11:35:00 AM		Air-Phase Petroleum Hydrocarbons			3/18/2011 7:29:00 PM
				Volatile Organic Compounds			3/24/2011 1:38:00 AM
1103120-012A	KAFB1066-POSTC2-GS-VA9011-FD	2/24/2011 11:45:00 AM		Air-Phase Petroleum Hydrocarbons			3/18/2011 8:09:00 PM
				Volatile Organic Compounds			3/24/2011 2:23:00 AM
1103120-013A	KAFB1068-IN-GS-VA9012-REG	2/25/2011 9:25:00 AM		Air-Phase Petroleum Hydrocarbons			3/18/2011 3:00:00 AM
				Volatile Organic Compounds			3/23/2011 6:23:00 PM
				Volatile Organic Compounds			3/18/2011 3:00:00 AM
1103120-014A	KAFB1068-POSTC1-GS-VA9013-REG	2/25/2011 8:45:00 AM		Air-Phase Petroleum Hydrocarbons			3/18/2011 8:50:00 PM
				Volatile Organic Compounds			3/24/2011 3:08:00 AM
1103120-015A	KAFB1068-POSTC2-GS-VA9014-REG	2/25/2011 9:05:00 AM		Air-Phase Petroleum Hydrocarbons			3/18/2011 9:31:00 PM
				Volatile Organic Compounds			3/23/2011 8:27:00 PM

RTI LABORATORIES, INC.

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Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 9:00:00 AM

Project: Kirtland AFB

Lab ID: 1103120-001 **Matrix:** AIR

Client Sample ID FIELDQC-AQ-VA80001-TB-TB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
1,1,1-Trichloroethane	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
1,1,2,2-Tetrachloroethane	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
1,1,2-Trichloroethane	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
1,1-Dichloroethane	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
1,1-Dichloroethene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
1,2,4-Trichlorobenzene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
1,2,4-Trimethylbenzene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
1,2-Dibromoethane	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
1,2-Dichlorobenzene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
1,2-Dichloroethane	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
1,2-Dichloropropane	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
1,3,5-Trimethylbenzene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
1,3-Butadiene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
1,3-Dichlorobenzene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
1,4-Dichlorobenzene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
1,4-Dioxane	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
2-Butanone	12	2.0		ppbv	2	3/17/2011 7:47:00 PM
2-Hexanone	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
2-Propanol	22	2.0		ppbv	2	3/17/2011 7:47:00 PM
4-Ethyltoluene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
4-Methyl-2-pentanone	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Acetone	29	2.0	B	ppbv	2	3/17/2011 7:47:00 PM
Benzene	7.6	2.0		ppbv	2	3/17/2011 7:47:00 PM
Benzyl chloride	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Bromodichloromethane	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Bromoform	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Bromomethane	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Carbon disulfide	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Carbon tetrachloride	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Chlorobenzene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Chlorodibromomethane	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Chloroethane	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Chloroform	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 9:00:00 AM

Project: Kirtland AFB

Lab ID: 1103120-001 **Matrix:** AIR

Client Sample ID FIELDQC-AQ-VA80001-TB-TB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
Chloromethane	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
cis-1,2-Dichloroethene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
cis-1,3-dichloropropene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Cyclohexane	11	2.0		ppbv	2	3/17/2011 7:47:00 PM
Dichlorodifluoromethane	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Ethanol	40	2.0		ppbv	2	3/17/2011 7:47:00 PM
Ethyl acetate	3.2	2.0		ppbv	2	3/17/2011 7:47:00 PM
Ethylbenzene	3.5	2.0		ppbv	2	3/17/2011 7:47:00 PM
Heptane	7.2	2.0		ppbv	2	3/17/2011 7:47:00 PM
Hexachlorobutadiene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
m,p-Xylene	7.2	4.0		ppbv	2	3/17/2011 7:47:00 PM
Methylene chloride	31	2.0		ppbv	2	3/17/2011 7:47:00 PM
Naphthalene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
n-Hexane	16	2.0		ppbv	2	3/17/2011 7:47:00 PM
o-Xylene	2.8	2.0		ppbv	2	3/17/2011 7:47:00 PM
Propylene	3.3	2.0	B	ppbv	2	3/17/2011 7:47:00 PM
Styrene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
tert-Butyl Methyl Ether	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Tetrachloroethene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Tetrahydrofuran	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Toluene	37	2.0	B	ppbv	2	3/17/2011 7:47:00 PM
trans-1,2-Dichloroethene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
trans-1,3-dichloropropene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Trichloroethene	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Trichlorofluoromethane	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Vinyl acetate	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Vinyl chloride	ND	2.0		ppbv	2	3/17/2011 7:47:00 PM
Surr: 4-Bromofluorobenzene	108	70-130		%REC	2	3/17/2011 7:47:00 PM
MASS APH AIR **AIR-PHASE PETROLEUM HYDROCARBONS**				**MA_APH**		Analyst: **MT3**
C5-C8 Aliphatic Hydrocarbons	760	230		µg/m³	2	3/17/2011 7:47:00 PM
C9-C10 Aromatic Hydrocarbons	ND	270		µg/m³	2	3/17/2011 7:47:00 PM
C9-C12 Aliphatic Hydrocarbons	ND	500		µg/m³	2	3/17/2011 7:47:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 9:00:00 AM

Project: Kirtland AFB

Lab ID: 1103120-001 **Matrix:** AIR

Client Sample ID FIELDQC-AQ-VA80001-TB-TB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MASS APH AIR				**MA_APH**		Analyst: **MT3**
AIR-PHASE PETROLEUM HYDROCARBONS						
Surr: 4-Bromofluorobenzene	105	70-130		%REC	2	3/17/2011 7:47:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

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Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 1:30:00 PM

Project: Kirtland AFB

Lab ID: 1103120-002 **Matrix:** AIR

Client Sample ID ST106-IN-GS-VA9001-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
1,1,1-Trichloroethane	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
1,1,2,2-Tetrachloroethane	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
1,1,2-Trichloroethane	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
1,1-Dichloroethane	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
1,1-Dichloroethene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
1,2,4-Trichlorobenzene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
1,2,4-Trimethylbenzene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
1,2-Dibromoethane	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
1,2-Dichlorobenzene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
1,2-Dichloroethane	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
1,2-Dichloropropane	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
1,3,5-Trimethylbenzene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
1,3-Butadiene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
1,3-Dichlorobenzene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
1,4-Dichlorobenzene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
1,4-Dioxane	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
2-Butanone	270,000	80,000		ppbv	80000	3/18/2011 4:22:00 AM
2-Hexanone	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
2-Propanol	160,000	80,000		ppbv	80000	3/18/2011 4:22:00 AM
4-Ethyltoluene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
4-Methyl-2-pentanone	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Acetone	1,400,000	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Benzene	530,000	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Benzyl chloride	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Bromodichloromethane	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Bromoform	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Bromomethane	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Carbon disulfide	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Carbon tetrachloride	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Chlorobenzene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Chlorodibromomethane	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Chloroethane	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Chloroform	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM

Qualifiers:

*X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 1:30:00 PM

Project: Kirtland AFB

Lab ID: 1103120-002 **Matrix:** AIR

Client Sample ID ST106-IN-GS-VA9001-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
Chloromethane	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
cis-1,2-Dichloroethene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
cis-1,3-dichloropropene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Cyclohexane	2,200,000	160,000		ppbv	160000	3/23/2011 7:03:00 PM
Dichlorodifluoromethane	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Ethanol	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Ethyl acetate	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Ethylbenzene	110,000	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Heptane	2,300,000	160,000		ppbv	160000	3/23/2011 7:03:00 PM
Hexachlorobutadiene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
m,p-Xylene	260,000	160,000		ppbv	80000	3/18/2011 4:22:00 AM
Methylene chloride	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Naphthalene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
n-Hexane	1,200,000	80,000		ppbv	80000	3/18/2011 4:22:00 AM
o-Xylene	96,000	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Propylene	650,000	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Styrene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
tert-Butyl Methyl Ether	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Tetrachloroethene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Tetrahydrofuran	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Toluene	1,400,000	80,000		ppbv	80000	3/18/2011 4:22:00 AM
trans-1,2-Dichloroethene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
trans-1,3-dichloropropene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Trichloroethene	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Trichlorofluoromethane	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Vinyl acetate	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Vinyl chloride	ND	80,000		ppbv	80000	3/18/2011 4:22:00 AM
Surr: 4-Bromofluorobenzene	103	70-130		%REC	80000	3/18/2011 4:22:00 AM
MASS APH AIR **AIR-PHASE PETROLEUM HYDROCARBONS**				**MA_APH**		Analyst: **MT3**
C5-C8 Aliphatic Hydrocarbons	66,000,000	9,400,000		µg/m³	80000	3/18/2011 4:22:00 AM
C9-C10 Aromatic Hydrocarbons	ND	11,000,000		µg/m³	80000	3/18/2011 4:22:00 AM
C9-C12 Aliphatic Hydrocarbons	ND	20,000,000		µg/m³	80000	3/18/2011 4:22:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: **1103120**

Date Reported: **4/11/2011**

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 1:30:00 PM

Project: Kirtland AFB

Lab ID: 1103120-002 **Matrix:** AIR

Client Sample ID ST106-IN-GS-VA9001-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MASS APH AIR				**MA_APH**		Analyst: **MT3**
AIR-PHASE PETROLEUM HYDROCARBONS						
Surr: 4-Bromofluorobenzene	100	70-130		%REC	80000	3/18/2011 4:22:00 AM

Qualifiers:				
	*IX	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated concentration	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	PL	Permit Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

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Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 4:00:00 PM

Project: Kirtland AFB

Lab ID: 1103120-003 **Matrix:** AIR

Client Sample ID ST106-IN-GS-VA9002-FD

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
1,1,1-Trichloroethane	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
1,1,2,2-Tetrachloroethane	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
1,1,2-Trichloroethane	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
1,1-Dichloroethane	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
1,1-Dichloroethene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
1,2,4-Trichlorobenzene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
1,2,4-Trimethylbenzene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
1,2-Dibromoethane	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
1,2-Dichlorobenzene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
1,2-Dichloroethane	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
1,2-Dichloropropane	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
1,3,5-Trimethylbenzene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
1,3-Butadiene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
1,3-Dichlorobenzene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
1,4-Dichlorobenzene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
1,4-Dioxane	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
2-Butanone	260,000	80,000		ppbv	80000	3/18/2011 5:03:00 AM
2-Hexanone	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
2-Propanol	140,000	80,000		ppbv	80000	3/18/2011 5:03:00 AM
4-Ethyltoluene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
4-Methyl-2-pentanone	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Acetone	1,400,000	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Benzene	490,000	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Benzyl chloride	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Bromodichloromethane	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Bromoform	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Bromomethane	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Carbon disulfide	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Carbon tetrachloride	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Chlorobenzene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Chlorodibromomethane	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Chloroethane	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Chloroform	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM

Qualifiers:

*IX	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 4:00:00 PM

Project: Kirtland AFB

Lab ID: 1103120-003 **Matrix:** AIR

Client Sample ID ST106-IN-GS-VA9002-FD

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
Chloromethane	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
cis-1,2-Dichloroethene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
cis-1,3-dichloropropene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Cyclohexane	1,600,000	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Dichlorodifluoromethane	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Ethanol	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Ethyl acetate	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Ethylbenzene	110,000	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Heptane	2,000,000	160,000		ppbv	160000	3/23/2011 7:45:00 PM
Hexachlorobutadiene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
m,p-Xylene	260,000	160,000		ppbv	80000	3/18/2011 5:03:00 AM
Methylene chloride	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Naphthalene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
n-Hexane	1,100,000	80,000		ppbv	80000	3/18/2011 5:03:00 AM
o-Xylene	98,000	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Propylene	240,000	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Styrene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
tert-Butyl Methyl Ether	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Tetrachloroethene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Tetrahydrofuran	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Toluene	1,500,000	80,000		ppbv	80000	3/18/2011 5:03:00 AM
trans-1,2-Dichloroethene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
trans-1,3-dichloropropene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Trichloroethene	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Trichlorofluoromethane	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Vinyl acetate	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Vinyl chloride	ND	80,000		ppbv	80000	3/18/2011 5:03:00 AM
Surr: 4-Bromofluorobenzene	102	70-130		%REC	80000	3/18/2011 5:03:00 AM
MASS APH AIR **AIR-PHASE PETROLEUM HYDROCARBONS**				**MA_APH**		Analyst: **MT3**
C5-C8 Aliphatic Hydrocarbons	62,000,000	9,400,000		µg/m³	80000	3/18/2011 5:03:00 AM
C9-C10 Aromatic Hydrocarbons	ND	11,000,000		µg/m³	80000	3/18/2011 5:03:00 AM
C9-C12 Aliphatic Hydrocarbons	ND	20,000,000		µg/m³	80000	3/18/2011 5:03:00 AM

Qualifiers:

*X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 4:00:00 PM

Project: Kirtland AFB

Lab ID: 1103120-003 **Matrix:** AIR

Client Sample ID ST106-IN-GS-VA9002-FD

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MASS APH AIR				**MA_APH**		Analyst: **MT3**
AIR-PHASE PETROLEUM HYDROCARBONS						
Surr: 4-Bromofluorobenzene	98.6	70-130		%REC	80000	3/18/2011 5:03:00 AM

Qualifiers:					
	*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated concentration	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	PL	Permit Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 10:10:00 AM

Project: Kirtland AFB

Lab ID: 1103120-004 **Matrix:** AIR

Client Sample ID ST106-POSTC1-GS-VA9003-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
1,1,1-Trichloroethane	ND	40		ppbv	40	3/18/2011 10:00:00 AM
1,1,2,2-Tetrachloroethane	ND	40		ppbv	40	3/18/2011 10:00:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	40		ppbv	40	3/18/2011 10:00:00 AM
1,1,2-Trichloroethane	ND	40		ppbv	40	3/18/2011 10:00:00 AM
1,1-Dichloroethane	ND	40		ppbv	40	3/18/2011 10:00:00 AM
1,1-Dichloroethene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
1,2,4-Trichlorobenzene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
1,2,4-Trimethylbenzene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
1,2-Dibromoethane	ND	40		ppbv	40	3/18/2011 10:00:00 AM
1,2-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
1,2-Dichloroethane	ND	40		ppbv	40	3/18/2011 10:00:00 AM
1,2-Dichloropropane	ND	40		ppbv	40	3/18/2011 10:00:00 AM
1,3,5-Trimethylbenzene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
1,3-Butadiene	270	40		ppbv	40	3/18/2011 10:00:00 AM
1,3-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
1,4-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
1,4-Dioxane	ND	40		ppbv	40	3/18/2011 10:00:00 AM
2-Butanone	480	40		ppbv	40	3/18/2011 10:00:00 AM
2-Hexanone	ND	40		ppbv	40	3/18/2011 10:00:00 AM
2-Propanol	ND	40		ppbv	40	3/18/2011 10:00:00 AM
4-Ethyltoluene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
4-Methyl-2-pentanone	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Acetone	7,900	400		ppbv	400	3/23/2011 9:54:00 PM
Benzene	2,300	400		ppbv	400	3/23/2011 9:54:00 PM
Benzyl chloride	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Bromodichloromethane	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Bromoform	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Bromomethane	78	40		ppbv	40	3/18/2011 10:00:00 AM
Carbon disulfide	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Carbon tetrachloride	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Chlorobenzene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Chlorodibromomethane	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Chloroethane	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Chloroform	ND	40		ppbv	40	3/18/2011 10:00:00 AM

Qualifiers:

*X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 10:10:00 AM

Project: Kirtland AFB

Lab ID: 1103120-004 **Matrix:** AIR

Client Sample ID ST106-POSTC1-GS-VA9003-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
Chloromethane	ND	40		ppbv	40	3/18/2011 10:00:00 AM
cis-1,2-Dichloroethene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
cis-1,3-dichloropropene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Cyclohexane	4,100	400		ppbv	400	3/23/2011 9:54:00 PM
Dichlorodifluoromethane	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Ethanol	51	40		ppbv	40	3/18/2011 10:00:00 AM
Ethyl acetate	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Ethylbenzene	66	40		ppbv	40	3/18/2011 10:00:00 AM
Heptane	4,500	400		ppbv	400	3/23/2011 9:54:00 PM
Hexachlorobutadiene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
m,p-Xylene	ND	80		ppbv	40	3/18/2011 10:00:00 AM
Methylene chloride	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Naphthalene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
n-Hexane	3,900	400		ppbv	400	3/23/2011 9:54:00 PM
o-Xylene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Propylene	18,000	400	E	ppbv	400	3/23/2011 9:54:00 PM
Styrene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
tert-Butyl Methyl Ether	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Tetrachloroethene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Tetrahydrofuran	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Toluene	760	40		ppbv	40	3/18/2011 10:00:00 AM
trans-1,2-Dichloroethene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
trans-1,3-dichloropropene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Trichloroethene	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Trichlorofluoromethane	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Vinyl acetate	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Vinyl chloride	ND	40		ppbv	40	3/18/2011 10:00:00 AM
Surr: 4-Bromofluorobenzene	100	70-130		%REC	40	3/18/2011 10:00:00 AM
MASS APH AIR **AIR-PHASE PETROLEUM HYDROCARBONS**				**MA_APH**		Analyst: **MT3**
C5-C8 Aliphatic Hydrocarbons	80,000	4,700		µg/m³	40	3/18/2011 10:00:00 AM
C9-C10 Aromatic Hydrocarbons	ND	5,300		µg/m³	40	3/18/2011 10:00:00 AM
C9-C12 Aliphatic Hydrocarbons	41,000	10,000		µg/m³	40	3/18/2011 10:00:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: **1103120**

Date Reported: **4/11/2011**

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 10:10:00 AM

Project: Kirtland AFB

Lab ID: 1103120-004 **Matrix:** AIR

Client Sample ID ST106-POSTC1-GS-VA9003-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MASS APH AIR				**MA_APH**		Analyst: **MT3**
AIR-PHASE PETROLEUM HYDROCARBONS						
Surr: 4-Bromofluorobenzene	96.9	70-130		%REC	40	3/18/2011 10:00:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

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Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 10:15:00 AM

Project: Kirtland AFB

Lab ID: 1103120-005 **Matrix:** AIR

Client Sample ID ST106-POSTC2-GS-VA9004-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
1,1,1-Trichloroethane	ND	40		ppbv	40	3/18/2011 10:40:00 AM
1,1,2,2-Tetrachloroethane	ND	40		ppbv	40	3/18/2011 10:40:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	40		ppbv	40	3/18/2011 10:40:00 AM
1,1,2-Trichloroethane	ND	40		ppbv	40	3/18/2011 10:40:00 AM
1,1-Dichloroethane	ND	40		ppbv	40	3/18/2011 10:40:00 AM
1,1-Dichloroethene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
1,2,4-Trichlorobenzene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
1,2,4-Trimethylbenzene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
1,2-Dibromoethane	ND	40		ppbv	40	3/18/2011 10:40:00 AM
1,2-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
1,2-Dichloroethane	ND	40		ppbv	40	3/18/2011 10:40:00 AM
1,2-Dichloropropane	ND	40		ppbv	40	3/18/2011 10:40:00 AM
1,3,5-Trimethylbenzene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
1,3-Butadiene	280	40		ppbv	40	3/18/2011 10:40:00 AM
1,3-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
1,4-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
1,4-Dioxane	ND	40		ppbv	40	3/18/2011 10:40:00 AM
2-Butanone	330	40		ppbv	40	3/18/2011 10:40:00 AM
2-Hexanone	ND	40		ppbv	40	3/18/2011 10:40:00 AM
2-Propanol	ND	40		ppbv	40	3/18/2011 10:40:00 AM
4-Ethyltoluene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
4-Methyl-2-pentanone	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Acetone	3,400	400		ppbv	400	3/23/2011 10:39:00 PM
Benzene	690	40		ppbv	40	3/18/2011 10:40:00 AM
Benzyl chloride	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Bromodichloromethane	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Bromoform	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Bromomethane	73	40		ppbv	40	3/18/2011 10:40:00 AM
Carbon disulfide	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Carbon tetrachloride	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Chlorobenzene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Chlorodibromomethane	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Chloroethane	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Chloroform	ND	40		ppbv	40	3/18/2011 10:40:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 10:15:00 AM

Project: Kirtland AFB

Lab ID: 1103120-005 **Matrix:** AIR

Client Sample ID ST106-POSTC2-GS-VA9004-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
Chloromethane	ND	40		ppbv	40	3/18/2011 10:40:00 AM
cis-1,2-Dichloroethene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
cis-1,3-dichloropropene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Cyclohexane	2,000	400		ppbv	400	3/23/2011 10:39:00 PM
Dichlorodifluoromethane	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Ethanol	47	40		ppbv	40	3/18/2011 10:40:00 AM
Ethyl acetate	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Ethylbenzene	57	40		ppbv	40	3/18/2011 10:40:00 AM
Heptane	2,200	400		ppbv	400	3/23/2011 10:39:00 PM
Hexachlorobutadiene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
m,p-Xylene	ND	80		ppbv	40	3/18/2011 10:40:00 AM
Methylene chloride	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Naphthalene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
n-Hexane	1,900	400		ppbv	400	3/23/2011 10:39:00 PM
o-Xylene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Propylene	9,300	400	E	ppbv	400	3/23/2011 10:39:00 PM
Styrene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
tert-Butyl Methyl Ether	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Tetrachloroethene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Tetrahydrofuran	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Toluene	580	40		ppbv	40	3/18/2011 10:40:00 AM
trans-1,2-Dichloroethene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
trans-1,3-dichloropropene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Trichloroethene	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Trichlorofluoromethane	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Vinyl acetate	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Vinyl chloride	ND	40		ppbv	40	3/18/2011 10:40:00 AM
Surr: 4-Bromofluorobenzene	93.8	70-130		%REC	40	3/18/2011 10:40:00 AM
MASS APH AIR **AIR-PHASE PETROLEUM HYDROCARBONS**				**MA_APH**		Analyst: **MT3**
C5-C8 Aliphatic Hydrocarbons	67,000	4,700		µg/m³	40	3/18/2011 10:40:00 AM
C9-C10 Aromatic Hydrocarbons	ND	5,300		µg/m³	40	3/18/2011 10:40:00 AM
C9-C12 Aliphatic Hydrocarbons	41,000	10,000		µg/m³	40	3/18/2011 10:40:00 AM

Qualifiers:

*IX	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 10:15:00 AM

Project: Kirtland AFB

Lab ID: 1103120-005 **Matrix:** AIR

Client Sample ID ST106-POSTC2-GS-VA9004-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MASS APH AIR				**MA_APH**		Analyst: **MT3**
AIR-PHASE PETROLEUM HYDROCARBONS						
Surr: 4-Bromofluorobenzene	90.9	70-130		%REC	40	3/18/2011 10:40:00 AM

Qualifiers:

*X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

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Livonia, MI 48150
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Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 10:45:00 AM

Project: Kirtland AFB

Lab ID: 1103120-006 **Matrix:** AIR

Client Sample ID KAFB1065-IN-GS-VA9005-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
1,1,1-Trichloroethane	ND	40		ppbv	40	3/18/2011 11:21:00 AM
1,1,2,2-Tetrachloroethane	ND	40		ppbv	40	3/18/2011 11:21:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	40		ppbv	40	3/18/2011 11:21:00 AM
1,1,2-Trichloroethane	ND	40		ppbv	40	3/18/2011 11:21:00 AM
1,1-Dichloroethane	ND	40		ppbv	40	3/18/2011 11:21:00 AM
1,1-Dichloroethene	ND	40		ppbv	40	3/18/2011 11:21:00 AM
1,2,4-Trichlorobenzene	ND	40		ppbv	40	3/18/2011 11:21:00 AM
1,2,4-Trimethylbenzene	650	40		ppbv	40	3/18/2011 11:21:00 AM
1,2-Dibromoethane	ND	40		ppbv	40	3/18/2011 11:21:00 AM
1,2-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 11:21:00 AM
1,2-Dichloroethane	ND	40		ppbv	40	3/18/2011 11:21:00 AM
1,2-Dichloropropane	ND	40		ppbv	40	3/18/2011 11:21:00 AM
1,3,5-Trimethylbenzene	280	40		ppbv	40	3/18/2011 11:21:00 AM
1,3-Butadiene	ND	40		ppbv	40	3/18/2011 11:21:00 AM
1,3-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 11:21:00 AM
1,4-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 11:21:00 AM
1,4-Dioxane	ND	40		ppbv	40	3/18/2011 11:21:00 AM
2-Butanone	ND	40		ppbv	40	3/18/2011 11:21:00 AM
2-Hexanone	ND	40		ppbv	40	3/18/2011 11:21:00 AM
2-Propanol	ND	40		ppbv	40	3/18/2011 11:21:00 AM
4-Ethyltoluene	370	40		ppbv	40	3/18/2011 11:21:00 AM
4-Methyl-2-pentanone	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Acetone	64	40		ppbv	40	3/18/2011 11:21:00 AM
Benzene	290	40		ppbv	40	3/18/2011 11:21:00 AM
Benzyl chloride	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Bromodichloromethane	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Bromoform	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Bromomethane	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Carbon disulfide	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Carbon tetrachloride	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Chlorobenzene	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Chlorodibromomethane	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Chloroethane	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Chloroform	ND	40		ppbv	40	3/18/2011 11:21:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 10:45:00 AM

Project: Kirtland AFB

Lab ID: 1103120-006 **Matrix:** AIR

Client Sample ID KAFB1065-IN-GS-VA9005-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
Chloromethane	ND	40		ppbv	40	3/18/2011 11:21:00 AM
cis-1,2-Dichloroethene	ND	40		ppbv	40	3/18/2011 11:21:00 AM
cis-1,3-dichloropropene	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Cyclohexane	660	40		ppbv	40	3/18/2011 11:21:00 AM
Dichlorodifluoromethane	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Ethanol	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Ethyl acetate	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Ethylbenzene	710	40		ppbv	40	3/18/2011 11:21:00 AM
Heptane	480	40		ppbv	40	3/18/2011 11:21:00 AM
Hexachlorobutadiene	ND	40		ppbv	40	3/18/2011 11:21:00 AM
m,p-Xylene	3,100	800		ppbv	400	3/23/2011 11:24:00 PM
Methylene chloride	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Naphthalene	42	40		ppbv	40	3/18/2011 11:21:00 AM
n-Hexane	220	40		ppbv	40	3/18/2011 11:21:00 AM
o-Xylene	1,100	400		ppbv	400	3/23/2011 11:24:00 PM
Propylene	36,000	400	E	ppbv	400	3/23/2011 11:24:00 PM
Styrene	ND	40		ppbv	40	3/18/2011 11:21:00 AM
tert-Butyl Methyl Ether	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Tetrachloroethene	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Tetrahydrofuran	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Toluene	4,300	400		ppbv	400	3/23/2011 11:24:00 PM
trans-1,2-Dichloroethene	ND	40		ppbv	40	3/18/2011 11:21:00 AM
trans-1,3-dichloropropene	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Trichloroethene	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Trichlorofluoromethane	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Vinyl acetate	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Vinyl chloride	ND	40		ppbv	40	3/18/2011 11:21:00 AM
Surr: 4-Bromofluorobenzene	156	70-130	S	%REC	40	3/18/2011 11:21:00 AM
MASS APH AIR **AIR-PHASE PETROLEUM HYDROCARBONS**				**MA_APH**		Analyst: **MT3**
C5-C8 Aliphatic Hydrocarbons	53,000	4,700		µg/m³	40	3/18/2011 11:21:00 AM
C9-C10 Aromatic Hydrocarbons	8,600	5,300		µg/m³	40	3/18/2011 11:21:00 AM
C9-C12 Aliphatic Hydrocarbons	79,000	10,000		µg/m³	40	3/18/2011 11:21:00 AM

Qualifiers:

*X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 10:45:00 AM

Project: Kirtland AFB

Lab ID: 1103120-006 **Matrix:** AIR

Client Sample ID KAFB1065-IN-GS-VA9005-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MASS APH AIR				**MA_APH**		**Analyst: MT3**
AIR-PHASE PETROLEUM HYDROCARBONS						
Surr: 4-Bromofluorobenzene	151	70-130	S	%REC	40	3/18/2011 11:21:00 AM

Qualifiers:					
	*IX	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated concentration	M	Manual integration used to determine area response
	ND	Not Detected at the Reporting Limit	PL	Permit Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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Livonia, MI 48150
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Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 10:15:00 AM

Project: Kirtland AFB

Lab ID: 1103120-007 **Matrix:** AIR

Client Sample ID KAFB1065-POSTC1-GS-VA9006-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
1,1,1-Trichloroethane	ND	40		ppbv	40	3/18/2011 12:01:00 PM
1,1,2,2-Tetrachloroethane	ND	40		ppbv	40	3/18/2011 12:01:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	40		ppbv	40	3/18/2011 12:01:00 PM
1,1,2-Trichloroethane	ND	40		ppbv	40	3/18/2011 12:01:00 PM
1,1-Dichloroethane	ND	40		ppbv	40	3/18/2011 12:01:00 PM
1,1-Dichloroethene	ND	40		ppbv	40	3/18/2011 12:01:00 PM
1,2,4-Trichlorobenzene	ND	40		ppbv	40	3/18/2011 12:01:00 PM
1,2,4-Trimethylbenzene	640	40		ppbv	40	3/18/2011 12:01:00 PM
1,2-Dibromoethane	ND	40		ppbv	40	3/18/2011 12:01:00 PM
1,2-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 12:01:00 PM
1,2-Dichloroethane	ND	40		ppbv	40	3/18/2011 12:01:00 PM
1,2-Dichloropropane	ND	40		ppbv	40	3/18/2011 12:01:00 PM
1,3,5-Trimethylbenzene	260	40		ppbv	40	3/18/2011 12:01:00 PM
1,3-Butadiene	300	40		ppbv	40	3/18/2011 12:01:00 PM
1,3-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 12:01:00 PM
1,4-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 12:01:00 PM
1,4-Dioxane	ND	40		ppbv	40	3/18/2011 12:01:00 PM
2-Butanone	ND	40		ppbv	40	3/18/2011 12:01:00 PM
2-Hexanone	ND	40		ppbv	40	3/18/2011 12:01:00 PM
2-Propanol	ND	40		ppbv	40	3/18/2011 12:01:00 PM
4-Ethyltoluene	410	40		ppbv	40	3/18/2011 12:01:00 PM
4-Methyl-2-pentanone	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Acetone	260	40		ppbv	40	3/18/2011 12:01:00 PM
Benzene	320	40		ppbv	40	3/18/2011 12:01:00 PM
Benzyl chloride	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Bromodichloromethane	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Bromoform	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Bromomethane	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Carbon disulfide	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Carbon tetrachloride	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Chlorobenzene	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Chlorodibromomethane	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Chloroethane	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Chloroform	ND	40		ppbv	40	3/18/2011 12:01:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 10:15:00 AM

Project: Kirtland AFB

Lab ID: 1103120-007 **Matrix:** AIR

Client Sample ID KAFB1065-POSTC1-GS-VA9006-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
Chloromethane	ND	40		ppbv	40	3/18/2011 12:01:00 PM
cis-1,2-Dichloroethene	ND	40		ppbv	40	3/18/2011 12:01:00 PM
cis-1,3-dichloropropene	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Cyclohexane	380	40		ppbv	40	3/18/2011 12:01:00 PM
Dichlorodifluoromethane	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Ethanol	49	40		ppbv	40	3/18/2011 12:01:00 PM
Ethyl acetate	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Ethylbenzene	780	40		ppbv	40	3/18/2011 12:01:00 PM
Heptane	420	40		ppbv	40	3/18/2011 12:01:00 PM
Hexachlorobutadiene	ND	40		ppbv	40	3/18/2011 12:01:00 PM
m,p-Xylene	3,900	1,600		ppbv	800	3/24/2011 12:08:00 AM
Methylene chloride	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Naphthalene	ND	40		ppbv	40	3/18/2011 12:01:00 PM
n-Hexane	170	40		ppbv	40	3/18/2011 12:01:00 PM
o-Xylene	1,400	800		ppbv	800	3/24/2011 12:08:00 AM
Propylene	53,000	800	E	ppbv	800	3/24/2011 12:08:00 AM
Styrene	ND	40		ppbv	40	3/18/2011 12:01:00 PM
tert-Butyl Methyl Ether	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Tetrachloroethene	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Tetrahydrofuran	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Toluene	5,200	800		ppbv	800	3/24/2011 12:08:00 AM
trans-1,2-Dichloroethene	ND	40		ppbv	40	3/18/2011 12:01:00 PM
trans-1,3-dichloropropene	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Trichloroethene	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Trichlorofluoromethane	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Vinyl acetate	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Vinyl chloride	ND	40		ppbv	40	3/18/2011 12:01:00 PM
Surr: 4-Bromofluorobenzene	143	70-130	S	%REC	40	3/18/2011 12:01:00 PM
MASS APH AIR **AIR-PHASE PETROLEUM HYDROCARBONS**				**MA_APH**		Analyst: **MT3**
C5-C8 Aliphatic Hydrocarbons	32,000	4,700		µg/m³	40	3/18/2011 12:01:00 PM
C9-C10 Aromatic Hydrocarbons	8,600	5,300		µg/m³	40	3/18/2011 12:01:00 PM
C9-C12 Aliphatic Hydrocarbons	43,000	10,000		µg/m³	40	3/18/2011 12:01:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 10:15:00 AM

Project: Kirtland AFB

Lab ID: 1103120-007 **Matrix:** AIR

Client Sample ID KAFB1065-POSTC1-GS-VA9006-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MASS APH AIR				**MA_APH**		Analyst: **MT3**
AIR-PHASE PETROLEUM HYDROCARBONS						
Surr: 4-Bromofluorobenzene	138	70-130	S	%REC	40	3/18/2011 12:01:00 PM

Qualifiers:				
	*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated concentration	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	PL	Permit Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

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Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 10:30:00 AM

Project: Kirtland AFB

Lab ID: 1103120-008 **Matrix:** AIR

Client Sample ID KAFB1065-POSTC2-GS-VA9007-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
1,1,1-Trichloroethane	ND	40		ppbv	40	3/18/2011 12:42:00 PM
1,1,2,2-Tetrachloroethane	ND	40		ppbv	40	3/18/2011 12:42:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	40		ppbv	40	3/18/2011 12:42:00 PM
1,1,2-Trichloroethane	ND	40		ppbv	40	3/18/2011 12:42:00 PM
1,1-Dichloroethane	ND	40		ppbv	40	3/18/2011 12:42:00 PM
1,1-Dichloroethene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
1,2,4-Trichlorobenzene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
1,2,4-Trimethylbenzene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
1,2-Dibromoethane	ND	40		ppbv	40	3/18/2011 12:42:00 PM
1,2-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
1,2-Dichloroethane	ND	40		ppbv	40	3/18/2011 12:42:00 PM
1,2-Dichloropropane	ND	40		ppbv	40	3/18/2011 12:42:00 PM
1,3,5-Trimethylbenzene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
1,3-Butadiene	370	40		ppbv	40	3/18/2011 12:42:00 PM
1,3-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
1,4-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
1,4-Dioxane	ND	40		ppbv	40	3/18/2011 12:42:00 PM
2-Butanone	ND	40		ppbv	40	3/18/2011 12:42:00 PM
2-Hexanone	ND	40		ppbv	40	3/18/2011 12:42:00 PM
2-Propanol	ND	40		ppbv	40	3/18/2011 12:42:00 PM
4-Ethyltoluene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
4-Methyl-2-pentanone	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Acetone	320	40		ppbv	40	3/18/2011 12:42:00 PM
Benzene	5,300	800		ppbv	800	3/24/2011 12:53:00 AM
Benzyl chloride	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Bromodichloromethane	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Bromoform	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Bromomethane	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Carbon disulfide	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Carbon tetrachloride	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Chlorobenzene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Chlorodibromomethane	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Chloroethane	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Chloroform	ND	40		ppbv	40	3/18/2011 12:42:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

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Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 10:30:00 AM

Project: Kirtland AFB

Lab ID: 1103120-008 **Matrix:** AIR

Client Sample ID KAFB1065-POSTC2-GS-VA9007-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
Chloromethane	ND	40		ppbv	40	3/18/2011 12:42:00 PM
cis-1,2-Dichloroethene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
cis-1,3-dichloropropene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Cyclohexane	760	40		ppbv	40	3/18/2011 12:42:00 PM
Dichlorodifluoromethane	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Ethanol	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Ethyl acetate	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Ethylbenzene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Heptane	580	40		ppbv	40	3/18/2011 12:42:00 PM
Hexachlorobutadiene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
m,p-Xylene	100	80		ppbv	40	3/18/2011 12:42:00 PM
Methylene chloride	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Naphthalene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
n-Hexane	350	40		ppbv	40	3/18/2011 12:42:00 PM
o-Xylene	45	40		ppbv	40	3/18/2011 12:42:00 PM
Propylene	67,000	800	E	ppbv	800	3/24/2011 12:53:00 AM
Styrene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
tert-Butyl Methyl Ether	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Tetrachloroethene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Tetrahydrofuran	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Toluene	340	40		ppbv	40	3/18/2011 12:42:00 PM
trans-1,2-Dichloroethene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
trans-1,3-dichloropropene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Trichloroethene	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Trichlorofluoromethane	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Vinyl acetate	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Vinyl chloride	ND	40		ppbv	40	3/18/2011 12:42:00 PM
Surr: 4-Bromofluorobenzene	119	70-130		%REC	40	3/18/2011 12:42:00 PM
MASS APH AIR **AIR-PHASE PETROLEUM HYDROCARBONS**				**MA_APH**		Analyst: **MT3**
C5-C8 Aliphatic Hydrocarbons	47,000	4,700		µg/m³	40	3/18/2011 12:42:00 PM
C9-C10 Aromatic Hydrocarbons	ND	5,300		µg/m³	40	3/18/2011 12:42:00 PM
C9-C12 Aliphatic Hydrocarbons	42,000	10,000		µg/m³	40	3/18/2011 12:42:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 10:30:00 AM

Project: Kirtland AFB

Lab ID: 1103120-008 **Matrix:** AIR

Client Sample ID KAFB1065-POSTC2-GS-VA9007-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MASS APH AIR				MA_APH		Analyst: MT3
AIR-PHASE PETROLEUM HYDROCARBONS						
Surr: 4-Bromofluorobenzene	115	70-130		%REC	40	3/18/2011 12:42:00 PM

Qualifiers:				
	*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated concentration	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	PL	Permit Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 12:10:00 PM

Project: Kirtland AFB

Lab ID: 1103120-009 **Matrix:** AIR

Client Sample ID KAFB1066-IN-GS-VA9008-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
1,1,1-Trichloroethane	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
1,1,2,2-Tetrachloroethane	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
1,1,2-Trichloroethane	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
1,1-Dichloroethane	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
1,1-Dichloroethene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
1,2,4-Trichlorobenzene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
1,2,4-Trimethylbenzene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
1,2-Dibromoethane	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
1,2-Dichlorobenzene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
1,2-Dichloroethane	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
1,2-Dichloropropane	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
1,3,5-Trimethylbenzene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
1,3-Butadiene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
1,3-Dichlorobenzene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
1,4-Dichlorobenzene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
1,4-Dioxane	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
2-Butanone	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
2-Hexanone	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
2-Propanol	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
4-Ethyltoluene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
4-Methyl-2-pentanone	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Acetone	160,000	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Benzene	680,000	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Benzyl chloride	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Bromodichloromethane	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Bromoform	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Bromomethane	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Carbon disulfide	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Carbon tetrachloride	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Chlorobenzene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Chlorodibromomethane	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Chloroethane	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Chloroform	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM

Qualifiers:

*X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 12:10:00 PM

Project: Kirtland AFB

Lab ID: 1103120-009 **Matrix:** AIR

Client Sample ID KAFB1066-IN-GS-VA9008-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
Chloromethane	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
cis-1,2-Dichloroethene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
cis-1,3-dichloropropene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Cyclohexane	1,300,000	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Dichlorodifluoromethane	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Ethanol	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Ethyl acetate	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Ethylbenzene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Heptane	740,000	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Hexachlorobutadiene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
m,p-Xylene	ND	160,000		ppbv	80000	3/18/2011 8:38:00 AM
Methylene chloride	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Naphthalene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
n-Hexane	1,300,000	80,000		ppbv	80000	3/18/2011 8:38:00 AM
o-Xylene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Propylene	1,200,000	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Styrene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
tert-Butyl Methyl Ether	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Tetrachloroethene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Tetrahydrofuran	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Toluene	980,000	80,000		ppbv	80000	3/18/2011 8:38:00 AM
trans-1,2-Dichloroethene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
trans-1,3-dichloropropene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Trichloroethene	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Trichlorofluoromethane	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Vinyl acetate	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Vinyl chloride	ND	80,000		ppbv	80000	3/18/2011 8:38:00 AM
Surr: 4-Bromofluorobenzene	101	70-130		%REC	80000	3/18/2011 8:38:00 AM
MASS APH AIR **AIR-PHASE PETROLEUM HYDROCARBONS**				**MA_APH**		Analyst: **MT3**
C5-C8 Aliphatic Hydrocarbons	73,000,000	9,400,000		µg/m³	80000	3/18/2011 8:38:00 AM
C9-C10 Aromatic Hydrocarbons	ND	11,000,000		µg/m³	80000	3/18/2011 8:38:00 AM
C9-C12 Aliphatic Hydrocarbons	ND	20,000,000		µg/m³	80000	3/18/2011 8:38:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
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TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 12:10:00 PM

Project: Kirtland AFB

Lab ID: 1103120-009 **Matrix:** AIR

Client Sample ID KAFB1066-IN-GS-VA9008-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MASS APH AIR				**MA_APH**		Analyst: **MT3**
AIR-PHASE PETROLEUM HYDROCARBONS						
Surr: 4-Bromofluorobenzene	97.7	70-130		%REC	80000	3/18/2011 8:38:00 AM

Qualifiers:				
	*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated concentration	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	PL	Permit Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

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Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 11:25:00 AM

Project: Kirtland AFB

Lab ID: 1103120-010 **Matrix:** AIR

Client Sample ID KAFB1066-POSTC1-GS-VA9009-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
1,1,1-Trichloroethane	ND	40		ppbv	40	3/18/2011 1:23:00 PM
1,1,2,2-Tetrachloroethane	ND	40		ppbv	40	3/18/2011 1:23:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	40		ppbv	40	3/18/2011 1:23:00 PM
1,1,2-Trichloroethane	ND	40		ppbv	40	3/18/2011 1:23:00 PM
1,1-Dichloroethane	ND	40		ppbv	40	3/18/2011 1:23:00 PM
1,1-Dichloroethene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
1,2,4-Trichlorobenzene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
1,2,4-Trimethylbenzene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
1,2-Dibromoethane	ND	40		ppbv	40	3/18/2011 1:23:00 PM
1,2-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
1,2-Dichloroethane	ND	40		ppbv	40	3/18/2011 1:23:00 PM
1,2-Dichloropropane	ND	40		ppbv	40	3/18/2011 1:23:00 PM
1,3,5-Trimethylbenzene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
1,3-Butadiene	70	40		ppbv	40	3/18/2011 1:23:00 PM
1,3-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
1,4-Dichlorobenzene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
1,4-Dioxane	ND	40		ppbv	40	3/18/2011 1:23:00 PM
2-Butanone	ND	40		ppbv	40	3/18/2011 1:23:00 PM
2-Hexanone	ND	40		ppbv	40	3/18/2011 1:23:00 PM
2-Propanol	50	40		ppbv	40	3/18/2011 1:23:00 PM
4-Ethyltoluene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
4-Methyl-2-pentanone	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Acetone	170	40		ppbv	40	3/18/2011 1:23:00 PM
Benzene	180	40		ppbv	40	3/18/2011 1:23:00 PM
Benzyl chloride	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Bromodichloromethane	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Bromoform	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Bromomethane	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Carbon disulfide	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Carbon tetrachloride	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Chlorobenzene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Chlorodibromomethane	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Chloroethane	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Chloroform	ND	40		ppbv	40	3/18/2011 1:23:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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Livonia, MI 48150
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Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 11:25:00 AM

Project: Kirtland AFB

Lab ID: 1103120-010 **Matrix:** AIR

Client Sample ID KAFB1066-POSTC1-GS-VA9009-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
Chloromethane	ND	40		ppbv	40	3/18/2011 1:23:00 PM
cis-1,2-Dichloroethene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
cis-1,3-dichloropropene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Cyclohexane	81	40		ppbv	40	3/18/2011 1:23:00 PM
Dichlorodifluoromethane	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Ethanol	56	40		ppbv	40	3/18/2011 1:23:00 PM
Ethyl acetate	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Ethylbenzene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Heptane	72	40		ppbv	40	3/18/2011 1:23:00 PM
Hexachlorobutadiene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
m,p-Xylene	ND	80		ppbv	40	3/18/2011 1:23:00 PM
Methylene chloride	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Naphthalene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
n-Hexane	78	40		ppbv	40	3/18/2011 1:23:00 PM
o-Xylene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Propylene	620	40		ppbv	40	3/18/2011 1:23:00 PM
Styrene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
tert-Butyl Methyl Ether	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Tetrachloroethene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Tetrahydrofuran	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Toluene	120	40		ppbv	40	3/18/2011 1:23:00 PM
trans-1,2-Dichloroethene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
trans-1,3-dichloropropene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Trichloroethene	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Trichlorofluoromethane	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Vinyl acetate	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Vinyl chloride	ND	40		ppbv	40	3/18/2011 1:23:00 PM
Surr: 4-Bromofluorobenzene	103	70-130		%REC	40	3/18/2011 1:23:00 PM
MASS APH AIR **AIR-PHASE PETROLEUM HYDROCARBONS**				**MA_APH**		Analyst: **MT3**
C5-C8 Aliphatic Hydrocarbons	ND	4,700		µg/m³	40	3/18/2011 1:23:00 PM
C9-C10 Aromatic Hydrocarbons	ND	5,300		µg/m³	40	3/18/2011 1:23:00 PM
C9-C12 Aliphatic Hydrocarbons	10,000	10,000		µg/m³	40	3/18/2011 1:23:00 PM

Qualifiers:

*X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 11:25:00 AM

Project: Kirtland AFB

Lab ID: 1103120-010 **Matrix:** AIR

Client Sample ID KAFB1066-POSTC1-GS-VA9009-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MASS APH AIR				MA_APH		Analyst: MT3
AIR-PHASE PETROLEUM HYDROCARBONS						
Surr: 4-Bromofluorobenzene	99.4	70-130		%REC	40	3/18/2011 1:23:00 PM

Qualifiers:				
	*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated concentration	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	PL	Permit Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

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Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: **1103120**

Date Reported: **4/11/2011**

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 11:35:00 AM

Project: Kirtland AFB

Lab ID: 1103120-011 **Matrix:** AIR

Client Sample ID KAFB1066-POSTC2-GS-VA9010-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
1,1,1-Trichloroethane	ND	800		ppbv	800	3/24/2011 1:38:00 AM
1,1,2,2-Tetrachloroethane	ND	800		ppbv	800	3/24/2011 1:38:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	800		ppbv	800	3/24/2011 1:38:00 AM
1,1,2-Trichloroethane	ND	800		ppbv	800	3/24/2011 1:38:00 AM
1,1-Dichloroethane	ND	800		ppbv	800	3/24/2011 1:38:00 AM
1,1-Dichloroethene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
1,2,4-Trichlorobenzene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
1,2,4-Trimethylbenzene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
1,2-Dibromoethane	ND	800		ppbv	800	3/24/2011 1:38:00 AM
1,2-Dichlorobenzene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
1,2-Dichloroethane	ND	800		ppbv	800	3/24/2011 1:38:00 AM
1,2-Dichloropropane	ND	800		ppbv	800	3/24/2011 1:38:00 AM
1,3,5-Trimethylbenzene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
1,3-Butadiene	3,100	800		ppbv	800	3/24/2011 1:38:00 AM
1,3-Dichlorobenzene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
1,4-Dichlorobenzene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
1,4-Dioxane	ND	800		ppbv	800	3/24/2011 1:38:00 AM
2-Butanone	ND	800		ppbv	800	3/24/2011 1:38:00 AM
2-Hexanone	ND	800		ppbv	800	3/24/2011 1:38:00 AM
2-Propanol	ND	800		ppbv	800	3/24/2011 1:38:00 AM
4-Ethyltoluene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
4-Methyl-2-pentanone	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Acetone	1,600	800		ppbv	800	3/24/2011 1:38:00 AM
Benzene	8,300	800		ppbv	800	3/24/2011 1:38:00 AM
Benzyl chloride	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Bromodichloromethane	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Bromoform	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Bromomethane	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Carbon disulfide	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Carbon tetrachloride	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Chlorobenzene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Chlorodibromomethane	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Chloroethane	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Chloroform	ND	800		ppbv	800	3/24/2011 1:38:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 11:35:00 AM

Project: Kirtland AFB

Lab ID: 1103120-011 **Matrix:** AIR

Client Sample ID KAFB1066-POSTC2-GS-VA9010-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
Chloromethane	ND	800		ppbv	800	3/24/2011 1:38:00 AM
cis-1,2-Dichloroethene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
cis-1,3-dichloropropene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Cyclohexane	2,000	800		ppbv	800	3/24/2011 1:38:00 AM
Dichlorodifluoromethane	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Ethanol	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Ethyl acetate	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Ethylbenzene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Heptane	1,300	800		ppbv	800	3/24/2011 1:38:00 AM
Hexachlorobutadiene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
m,p-Xylene	ND	1,600		ppbv	800	3/24/2011 1:38:00 AM
Methylene chloride	2,600	800		ppbv	800	3/24/2011 1:38:00 AM
Naphthalene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
n-Hexane	2,100	800		ppbv	800	3/24/2011 1:38:00 AM
o-Xylene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Propylene	60,000	800	E	ppbv	800	3/24/2011 1:38:00 AM
Styrene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
tert-Butyl Methyl Ether	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Tetrachloroethene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Tetrahydrofuran	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Toluene	1,900	800		ppbv	800	3/24/2011 1:38:00 AM
trans-1,2-Dichloroethene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
trans-1,3-dichloropropene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Trichloroethene	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Trichlorofluoromethane	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Vinyl acetate	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Vinyl chloride	ND	800		ppbv	800	3/24/2011 1:38:00 AM
Surr: 4-Bromofluorobenzene	105	70-130		%REC	800	3/24/2011 1:38:00 AM
MASS APH AIR **AIR-PHASE PETROLEUM HYDROCARBONS**				**MA_APH**		Analyst: **MT3**
C5-C8 Aliphatic Hydrocarbons	34,000	4,700		µg/m³	40	3/18/2011 7:29:00 PM
C9-C10 Aromatic Hydrocarbons	ND	5,300		µg/m³	40	3/18/2011 7:29:00 PM
C9-C12 Aliphatic Hydrocarbons	23,000	10,000		µg/m³	40	3/18/2011 7:29:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: **1103120**

Date Reported: **4/11/2011**

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 11:35:00 AM

Project: Kirtland AFB

Lab ID: 1103120-011 **Matrix:** AIR

Client Sample ID KAFB1066-POSTC2-GS-VA9010-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MASS APH AIR				**MA_APH**		Analyst: **MT3**
AIR-PHASE PETROLEUM HYDROCARBONS						
Surr: 4-Bromofluorobenzene	100	70-130		%REC	40	3/18/2011 7:29:00 PM

Qualifiers:					
	*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated concentration	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	PL	Permit Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

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Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 11:45:00 AM

Project: Kirtland AFB

Lab ID: 1103120-012 **Matrix:** AIR

Client Sample ID KAFB1066-POSTC2-GS-VA9011-FD

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
1,1,1-Trichloroethane	ND	800		ppbv	800	3/24/2011 2:23:00 AM
1,1,2,2-Tetrachloroethane	ND	800		ppbv	800	3/24/2011 2:23:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	800		ppbv	800	3/24/2011 2:23:00 AM
1,1,2-Trichloroethane	ND	800		ppbv	800	3/24/2011 2:23:00 AM
1,1-Dichloroethane	ND	800		ppbv	800	3/24/2011 2:23:00 AM
1,1-Dichloroethene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
1,2,4-Trichlorobenzene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
1,2,4-Trimethylbenzene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
1,2-Dibromoethane	ND	800		ppbv	800	3/24/2011 2:23:00 AM
1,2-Dichlorobenzene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
1,2-Dichloroethane	ND	800		ppbv	800	3/24/2011 2:23:00 AM
1,2-Dichloropropane	ND	800		ppbv	800	3/24/2011 2:23:00 AM
1,3,5-Trimethylbenzene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
1,3-Butadiene	2,100	800		ppbv	800	3/24/2011 2:23:00 AM
1,3-Dichlorobenzene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
1,4-Dichlorobenzene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
1,4-Dioxane	ND	800		ppbv	800	3/24/2011 2:23:00 AM
2-Butanone	ND	800		ppbv	800	3/24/2011 2:23:00 AM
2-Hexanone	ND	800		ppbv	800	3/24/2011 2:23:00 AM
2-Propanol	ND	800		ppbv	800	3/24/2011 2:23:00 AM
4-Ethyltoluene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
4-Methyl-2-pentanone	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Acetone	1,300	800		ppbv	800	3/24/2011 2:23:00 AM
Benzene	10,000	800		ppbv	800	3/24/2011 2:23:00 AM
Benzyl chloride	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Bromodichloromethane	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Bromoform	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Bromomethane	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Carbon disulfide	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Carbon tetrachloride	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Chlorobenzene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Chlorodibromomethane	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Chloroethane	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Chloroform	ND	800		ppbv	800	3/24/2011 2:23:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 11:45:00 AM

Project: Kirtland AFB

Lab ID: 1103120-012 **Matrix:** AIR

Client Sample ID KAFB1066-POSTC2-GS-VA9011-FD

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
Chloromethane	ND	800		ppbv	800	3/24/2011 2:23:00 AM
cis-1,2-Dichloroethene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
cis-1,3-dichloropropene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Cyclohexane	2,000	800		ppbv	800	3/24/2011 2:23:00 AM
Dichlorodifluoromethane	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Ethanol	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Ethyl acetate	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Ethylbenzene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Heptane	1,400	800		ppbv	800	3/24/2011 2:23:00 AM
Hexachlorobutadiene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
m,p-Xylene	ND	1,600		ppbv	800	3/24/2011 2:23:00 AM
Methylene chloride	3,100	800		ppbv	800	3/24/2011 2:23:00 AM
Naphthalene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
n-Hexane	2,100	800		ppbv	800	3/24/2011 2:23:00 AM
o-Xylene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Propylene	46,000	800	E	ppbv	800	3/24/2011 2:23:00 AM
Styrene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
tert-Butyl Methyl Ether	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Tetrachloroethene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Tetrahydrofuran	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Toluene	2,300	800		ppbv	800	3/24/2011 2:23:00 AM
trans-1,2-Dichloroethene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
trans-1,3-dichloropropene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Trichloroethene	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Trichlorofluoromethane	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Vinyl acetate	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Vinyl chloride	ND	800		ppbv	800	3/24/2011 2:23:00 AM
Surr: 4-Bromofluorobenzene	105	70-130		%REC	800	3/24/2011 2:23:00 AM
MASS APH AIR **AIR-PHASE PETROLEUM HYDROCARBONS**				**MA_APH**		Analyst: **MT3**
C5-C8 Aliphatic Hydrocarbons	42,000	4,700		µg/m³	40	3/18/2011 8:09:00 PM
C9-C10 Aromatic Hydrocarbons	ND	5,300		µg/m³	40	3/18/2011 8:09:00 PM
C9-C12 Aliphatic Hydrocarbons	13,000	10,000		µg/m³	40	3/18/2011 8:09:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/24/2011 11:45:00 AM

Project: Kirtland AFB

Lab ID: 1103120-012 **Matrix:** AIR

Client Sample ID KAFB1066-POSTC2-GS-VA9011-FD

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MASS APH AIR				**MA_APH**		Analyst: **MT3**
AIR-PHASE PETROLEUM HYDROCARBONS						
Surr: 4-Bromofluorobenzene	101	70-130		%REC	40	3/18/2011 8:09:00 PM

Qualifiers:				
	*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated concentration	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	PL	Permit Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

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Analytical Report

(consolidated)

WO#: **1103120**

Date Reported: **4/11/2011**

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/25/2011 9:25:00 AM

Project: Kirtland AFB

Lab ID: 1103120-013 **Matrix:** AIR

Client Sample ID KAFB1068-IN-GS-VA9012-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
1,1,1-Trichloroethane	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
1,1,2,2-Tetrachloroethane	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
1,1,2-Trichloroethane	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
1,1-Dichloroethane	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
1,1-Dichloroethene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
1,2,4-Trichlorobenzene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
1,2,4-Trimethylbenzene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
1,2-Dibromoethane	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
1,2-Dichlorobenzene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
1,2-Dichloroethane	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
1,2-Dichloropropane	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
1,3,5-Trimethylbenzene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
1,3-Butadiene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
1,3-Dichlorobenzene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
1,4-Dichlorobenzene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
1,4-Dioxane	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
2-Butanone	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
2-Hexanone	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
2-Propanol	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
4-Ethyltoluene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
4-Methyl-2-pentanone	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Acetone	19,000	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Benzene	31,000	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Benzyl chloride	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Bromodichloromethane	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Bromoform	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Bromomethane	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Carbon disulfide	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Carbon tetrachloride	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Chlorobenzene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Chlorodibromomethane	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Chloroethane	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Chloroform	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/25/2011 9:25:00 AM

Project: Kirtland AFB

Lab ID: 1103120-013 **Matrix:** AIR

Client Sample ID KAFB1068-IN-GS-VA9012-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
Chloromethane	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
cis-1,2-Dichloroethene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
cis-1,3-dichloropropene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Cyclohexane	72,000	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Dichlorodifluoromethane	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Ethanol	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Ethyl acetate	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Ethylbenzene	18,000	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Heptane	62,000	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Hexachlorobutadiene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
m,p-Xylene	40,000	32,000		ppbv	16000	3/23/2011 6:23:00 PM
Methylene chloride	24,000	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Naphthalene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
n-Hexane	50,000	16,000		ppbv	16000	3/23/2011 6:23:00 PM
o-Xylene	17,000	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Propylene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Styrene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
tert-Butyl Methyl Ether	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Tetrachloroethene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Tetrahydrofuran	23,000	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Toluene	110,000	16,000		ppbv	16000	3/23/2011 6:23:00 PM
trans-1,2-Dichloroethene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
trans-1,3-dichloropropene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Trichloroethene	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Trichlorofluoromethane	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Vinyl acetate	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Vinyl chloride	ND	16,000		ppbv	16000	3/23/2011 6:23:00 PM
Surr: 4-Bromofluorobenzene	105	70-130		%REC	16000	3/23/2011 6:23:00 PM
MASS APH AIR **AIR-PHASE PETROLEUM HYDROCARBONS**				**MA_APH**		Analyst: **MT3**
C5-C8 Aliphatic Hydrocarbons	7,600,000	4,700,000		µg/m³	40000	3/18/2011 3:00:00 AM
C9-C10 Aromatic Hydrocarbons	ND	5,300,000		µg/m³	40000	3/18/2011 3:00:00 AM
C9-C12 Aliphatic Hydrocarbons	ND	10,000,000		µg/m³	40000	3/18/2011 3:00:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

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Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: **1103120**

Date Reported: **4/11/2011**

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/25/2011 9:25:00 AM

Project: Kirtland AFB

Lab ID: 1103120-013 **Matrix:** AIR

Client Sample ID KAFB1068-IN-GS-VA9012-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MASS APH AIR				**MA_APH**		Analyst: **MT3**
AIR-PHASE PETROLEUM HYDROCARBONS						
Surr: 4-Bromofluorobenzene	93.1	70-130		%REC	40000	3/18/2011 3:00:00 AM

Qualifiers:				
	*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated concentration	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	PL	Permit Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

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Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/25/2011 8:45:00 AM

Project: Kirtland AFB

Lab ID: 1103120-014 **Matrix:** AIR

Client Sample ID KAFB1068-POSTC1-GS-VA9013-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
1,1,1-Trichloroethane	ND	800		ppbv	800	3/24/2011 3:08:00 AM
1,1,2,2-Tetrachloroethane	ND	800		ppbv	800	3/24/2011 3:08:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	800		ppbv	800	3/24/2011 3:08:00 AM
1,1,2-Trichloroethane	ND	800		ppbv	800	3/24/2011 3:08:00 AM
1,1-Dichloroethane	ND	800		ppbv	800	3/24/2011 3:08:00 AM
1,1-Dichloroethene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
1,2,4-Trichlorobenzene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
1,2,4-Trimethylbenzene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
1,2-Dibromoethane	ND	800		ppbv	800	3/24/2011 3:08:00 AM
1,2-Dichlorobenzene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
1,2-Dichloroethane	ND	800		ppbv	800	3/24/2011 3:08:00 AM
1,2-Dichloropropane	ND	800		ppbv	800	3/24/2011 3:08:00 AM
1,3,5-Trimethylbenzene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
1,3-Butadiene	2,600	800		ppbv	800	3/24/2011 3:08:00 AM
1,3-Dichlorobenzene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
1,4-Dichlorobenzene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
1,4-Dioxane	ND	800		ppbv	800	3/24/2011 3:08:00 AM
2-Butanone	ND	800		ppbv	800	3/24/2011 3:08:00 AM
2-Hexanone	ND	800		ppbv	800	3/24/2011 3:08:00 AM
2-Propanol	ND	800		ppbv	800	3/24/2011 3:08:00 AM
4-Ethyltoluene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
4-Methyl-2-pentanone	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Acetone	1,400	800		ppbv	800	3/24/2011 3:08:00 AM
Benzene	7,400	800		ppbv	800	3/24/2011 3:08:00 AM
Benzyl chloride	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Bromodichloromethane	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Bromoform	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Bromomethane	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Carbon disulfide	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Carbon tetrachloride	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Chlorobenzene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Chlorodibromomethane	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Chloroethane	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Chloroform	ND	800		ppbv	800	3/24/2011 3:08:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/25/2011 8:45:00 AM

Project: Kirtland AFB

Lab ID: 1103120-014 **Matrix:** AIR

Client Sample ID KAFB1068-POSTC1-GS-VA9013-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
Chloromethane	ND	800		ppbv	800	3/24/2011 3:08:00 AM
cis-1,2-Dichloroethene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
cis-1,3-dichloropropene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Cyclohexane	4,900	800		ppbv	800	3/24/2011 3:08:00 AM
Dichlorodifluoromethane	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Ethanol	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Ethyl acetate	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Ethylbenzene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Heptane	2,900	800		ppbv	800	3/24/2011 3:08:00 AM
Hexachlorobutadiene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
m,p-Xylene	ND	1,600		ppbv	800	3/24/2011 3:08:00 AM
Methylene chloride	2,900	800		ppbv	800	3/24/2011 3:08:00 AM
Naphthalene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
n-Hexane	4,700	800		ppbv	800	3/24/2011 3:08:00 AM
o-Xylene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Propylene	93,000	800	E	ppbv	800	3/24/2011 3:08:00 AM
Styrene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
tert-Butyl Methyl Ether	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Tetrachloroethene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Tetrahydrofuran	1,500	800		ppbv	800	3/24/2011 3:08:00 AM
Toluene	1,400	800		ppbv	800	3/24/2011 3:08:00 AM
trans-1,2-Dichloroethene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
trans-1,3-dichloropropene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Trichloroethene	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Trichlorofluoromethane	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Vinyl acetate	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Vinyl chloride	ND	800		ppbv	800	3/24/2011 3:08:00 AM
Surr: 4-Bromofluorobenzene	105	70-130		%REC	800	3/24/2011 3:08:00 AM
MASS APH AIR **AIR-PHASE PETROLEUM HYDROCARBONS**				**MA_APH**		Analyst: **MT3**
C5-C8 Aliphatic Hydrocarbons	100,000	4,700		µg/m³	40	3/18/2011 8:50:00 PM
C9-C10 Aromatic Hydrocarbons	ND	5,300		µg/m³	40	3/18/2011 8:50:00 PM
C9-C12 Aliphatic Hydrocarbons	ND	10,000		µg/m³	40	3/18/2011 8:50:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/25/2011 8:45:00 AM

Project: Kirtland AFB

Lab ID: 1103120-014 **Matrix:** AIR

Client Sample ID KAFB1068-POSTC1-GS-VA9013-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MASS APH AIR				**MA_APH**		Analyst: **MT3**
AIR-PHASE PETROLEUM HYDROCARBONS						
Surr: 4-Bromofluorobenzene	104	70-130		%REC	40	3/18/2011 8:50:00 PM

Qualifiers:				
	*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated concentration	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	PL	Permit Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/25/2011 9:05:00 AM

Project: Kirtland AFB

Lab ID: 1103120-015 **Matrix:** AIR

Client Sample ID KAFB1068-POSTC2-GS-VA9014-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
1,1,1-Trichloroethane	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
1,1,2,2-Tetrachloroethane	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
1,1,2-Trichloroethane	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
1,1-Dichloroethane	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
1,1-Dichloroethene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
1,2,4-Trichlorobenzene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
1,2,4-Trimethylbenzene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
1,2-Dibromoethane	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
1,2-Dichlorobenzene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
1,2-Dichloroethane	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
1,2-Dichloropropane	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
1,3,5-Trimethylbenzene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
1,3-Butadiene	16,000	16,000		ppbv	16000	3/23/2011 8:27:00 PM
1,3-Dichlorobenzene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
1,4-Dichlorobenzene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
1,4-Dioxane	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
2-Butanone	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
2-Hexanone	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
2-Propanol	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
4-Ethyltoluene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
4-Methyl-2-pentanone	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Acetone	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Benzene	36,000	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Benzyl chloride	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Bromodichloromethane	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Bromoform	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Bromomethane	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Carbon disulfide	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Carbon tetrachloride	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Chlorobenzene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Chlorodibromomethane	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Chloroethane	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Chloroform	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/25/2011 9:05:00 AM

Project: Kirtland AFB

Lab ID: 1103120-015 **Matrix:** AIR

Client Sample ID KAFB1068-POSTC2-GS-VA9014-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				**TO-15M**		Analyst: **MT3**
Chloromethane	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
cis-1,2-Dichloroethene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
cis-1,3-dichloropropene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Cyclohexane	67,000	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Dichlorodifluoromethane	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Ethanol	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Ethyl acetate	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Ethylbenzene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Heptane	40,000	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Hexachlorobutadiene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
m,p-Xylene	ND	32,000		ppbv	16000	3/23/2011 8:27:00 PM
Methylene chloride	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Naphthalene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
n-Hexane	62,000	16,000		ppbv	16000	3/23/2011 8:27:00 PM
o-Xylene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Propylene	1,100,000	16,000	E	ppbv	16000	3/23/2011 8:27:00 PM
Styrene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
tert-Butyl Methyl Ether	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Tetrachloroethene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Tetrahydrofuran	20,000	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Toluene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
trans-1,2-Dichloroethene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
trans-1,3-dichloropropene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Trichloroethene	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Trichlorofluoromethane	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Vinyl acetate	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Vinyl chloride	ND	16,000		ppbv	16000	3/23/2011 8:27:00 PM
Surr: 4-Bromofluorobenzene	101	70-130		%REC	16000	3/23/2011 8:27:00 PM
MASS APH AIR **AIR-PHASE PETROLEUM HYDROCARBONS**				**MA_APH**		Analyst: **MT3**
C5-C8 Aliphatic Hydrocarbons	2,900,000	1,900,000		µg/m³	16000	3/18/2011 9:31:00 PM
C9-C10 Aromatic Hydrocarbons	ND	2,100,000		µg/m³	16000	3/18/2011 9:31:00 PM
C9-C12 Aliphatic Hydrocarbons	ND	4,000,000		µg/m³	16000	3/18/2011 9:31:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

Analytical Report

(consolidated)

WO#: 1103120

Date Reported: 4/11/2011

CLIENT: Shaw Environmental & Infrastructure, Inc **Collection Date:** 2/25/2011 9:05:00 AM

Project: Kirtland AFB

Lab ID: 1103120-015 **Matrix:** AIR

Client Sample ID KAFB1068-POSTC2-GS-VA9014-REG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MASS APH AIR				**MA_APH**		Analyst: **MT3**
AIR-PHASE PETROLEUM HYDROCARBONS						
Surr: 4-Bromofluorobenzene	102	70-130		%REC	16000	3/18/2011 9:31:00 PM

Qualifiers:					
	*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated concentration	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	PL	Permit Limit
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 1103120

15-Apr-11

Client: Shaw Environmental & Infrastructure, Inc

Project: Kirtland AFB

BatchID: R39558

Sample ID: **1103120-013ADUP** SampType: **DUP** TestCode: **EPA_TO15-ug** Units: **ppbv** Prep Date: RunNo: **39558**

Client ID: **KAFB1068-IN-GS-VA** Batch ID: **R39558** TestNo: **TO-15M** Analysis Date: **3/18/2011** SeqNo: **751454**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	40,000						0	0	25	
1,1,2,2-Tetrachloroethane	ND	40,000						0	0	25	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	40,000						0	0	25	
1,1,2-Trichloroethane	ND	40,000						0	0	25	
1,1-Dichloroethane	ND	40,000						0	0	25	
1,1-Dichloroethene	ND	40,000						0	0	25	
1,2,4-Trichlorobenzene	ND	40,000						0	0	25	
1,2,4-Trimethylbenzene	ND	40,000						0	0	25	
1,2-Dibromoethane	ND	40,000						0	0	25	
1,2-Dichlorobenzene	ND	40,000						0	0	25	
1,2-Dichloroethane	ND	40,000						0	0	25	
1,2-Dichloropropane	ND	40,000						0	0	25	
1,3,5-Trimethylbenzene	ND	40,000						0	0	25	
1,3-Butadiene	ND	40,000						127,600	200	25	R
1,3-Dichlorobenzene	ND	40,000						0	0	25	
1,4-Dichlorobenzene	ND	40,000						0	0	25	
1,4-Dioxane	ND	40,000						0	0	25	
2-Butanone	ND	40,000						0	0	25	
2-Hexanone	ND	40,000						0	0	25	
2-Propanol	ND	40,000						0	0	25	
4-Ethyltoluene	ND	40,000						0	0	25	
4-Methyl-2-pentanone	ND	40,000						0	0	25	
Acetone	ND	40,000						0	0	25	
Benzene	62,000	40,000						74,800	18.7	25	
Benzyl chloride	ND	40,000						0	0	25	
Bromodichloromethane	ND	40,000						0	0	25	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analysis exceeds
J	Estimated concentration	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

QC SUMMARY REPORT

WO#: **1103120**
15-Apr-11

Client: Shaw Environmental & Infrastructure, Inc
Project: Kirtland AFB **BatchID:** **R39558**

Sample ID: **1103120-013ADUP** SampType: **DUP** TestCode: **EPA_TO15-ug** Units: **ppbv** Prep Date: RunNo: **39558**
Client ID: **KAFB1068-IN-GS-VA** Batch ID: **R39558** TestNo: **TO-15M** Analysis Date: **3/18/2011** SeqNo: **751454**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	ND	40,000						0	0	25	
Bromomethane	ND	40,000						0	0	25	
Carbon disulfide	ND	40,000						0	0	25	
Carbon tetrachloride	ND	40,000						0	0	25	
Chlorobenzene	ND	40,000						0	0	25	
Chlorodibromomethane	ND	40,000						0	0	25	
Chloroethane	ND	40,000						0	0	25	
Chloroform	ND	40,000						0	0	25	
Chloromethane	ND	40,000						0	0	25	
cis-1,2-Dichloroethene	ND	40,000						0	0	25	
cis-1,3-dichloropropene	ND	40,000						0	0	25	
Cyclohexane	120,000	40,000						123,200	6.02	25	
Dichlorodifluoromethane	ND	40,000						0	0	25	
Ethanol	ND	40,000						0	0	25	
Ethyl acetate	ND	40,000						0	0	25	
Ethylbenzene	ND	40,000						0	0	25	
Heptane	94,000	40,000						96,800	2.51	25	
Hexachlorobutadiene	ND	40,000						0	0	25	
m,p-Xylene	ND	80,000						0	0	25	
Methylene chloride	ND	40,000						0	0	25	
Naphthalene	ND	40,000						0	0	25	
n-Hexane	83,000	40,000						88,800	6.51	25	
o-Xylene	ND	40,000						0	0	25	
Propylene	990,000	40,000						2,872,000	97.1	25	R
Styrene	ND	40,000						0	0	25	
tert-Butyl Methyl Ether	ND	40,000						0	0	25	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Value above quantitation range	H	Holding times for preparation or analysis exceeds
J	Estimated concentration	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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Website: www.rtilabs.com

QC SUMMARY REPORT

WO#: **1103120**

15-Apr-11

Client: Shaw Environmental & Infrastructure, Inc
Project: Kirtland AFB

BatchID: **R39558**

Sample ID: **1103120-013ADUP** SampType: **DUP** TestCode: **EPA_TO15-ug** Units: **ppbv** Prep Date: RunNo: **39558**
Client ID: **KAFB1068-IN-GS-VA** Batch ID: **R39558** TestNo: **TO-15M** Analysis Date: **3/18/2011** SeqNo: **751464**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	40,000						0	0	25	
Tetrahydrofuran	ND	40,000						0	0	25	
Toluene	200,000	40,000						196,800	2.81	25	
trans-1,2-Dichloroethene	ND	40,000						0	0	25	
trans-1,3-dichloropropene	ND	40,000						0	0	25	
Trichloroethene	ND	40,000						0	0	25	
Trichlorofluoromethane	ND	40,000						0	0	25	
Vinyl acetate	ND	40,000						0	0	25	
Vinyl chloride	ND	40,000						0	0	25	
Surr: 4-Bromofluorobenzene	480,000		500,000		96.0	70	130		0	25	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analysis exceeds
J	Estimated concentration	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

RTI
31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

QC SUMMARY REPORT

WO#: 1103120

15-Apr-11

Client: Shaw Environmental & Infrastructure, Inc

Project: Kirtland AFB

BatchID: R39568

Sample ID: MBLK 3/17/11	SampType: MBLK	TestCode: MA_APH	Units: µg/m³	Prep Date:	RunNo: 39568
Client ID: ZZZZZZ	Batch ID: R39568	TestNo: MA_APH		Analysis Date: 3/17/2011	SeqNo: 751178

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C5-C8 Aliphatic Hydrocarbons	ND	120									
C9-C10 Aromatic Hydrocarbons	ND	130									
C9-C12 Aliphatic Hydrocarbons	ND	250									
Surr: 4-Bromofluorobenzene	87		89.50		97.5	70	130				

Sample ID: 1103120-013ADUP	SampType: DUP	TestCode: MA_APH	Units: µg/m³	Prep Date:	RunNo: 39568
Client ID: KAFB1068-IN-GS-VA	Batch ID: R39568	TestNo: MA_APH		Analysis Date: 3/18/2011	SeqNo: 751181

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C5-C8 Aliphatic Hydrocarbons	5,600,000	4,700,000						7,586,000	30.6	30	R
C9-C10 Aromatic Hydrocarbons	ND	5,300,000						0	0	30	
C9-C12 Aliphatic Hydrocarbons	ND	10,000,000						0	0	30	
Surr: 4-Bromofluorobenzene	3,300,000		3,580,000		93.0	70	130		0	30	

Sample ID: MBLK 3/17/11 (2)	SampType: MBLK	TestCode: MA_APH	Units: µg/m³	Prep Date:	RunNo: 39568
Client ID: ZZZZZZ	Batch ID: R39568	TestNo: MA_APH		Analysis Date: 3/18/2011	SeqNo: 751769

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C5-C8 Aliphatic Hydrocarbons	ND	120									
C9-C10 Aromatic Hydrocarbons	ND	130									
C9-C12 Aliphatic Hydrocarbons	ND	250									
Surr: 4-Bromofluorobenzene	87		89.50		96.9	70	130				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analysis exceeds
J	Estimated concentration	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

QC SUMMARY REPORT

WO#: **1103120**

15-Apr-11

Client: Shaw Environmental & Infrastructure, Inc
Project: Kirtland AFB

BatchID: **R39568**

Sample ID: 1103120-015ADUP	SampType: DUP	TestCode: MA_APH	Units: µg/m³	Prep Date:	RunNo: 39568
Client ID: KAFB1068-POSTC2-	Batch ID: R39568	TestNo: MA_APH		Analysis Date: 3/18/2011	SeqNo: 761774

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
C5-C8 Aliphatic Hydrocarbons	2,800,000	1,900,000						2,910,000	4.89	30	
C9-C10 Aromatic Hydrocarbons	ND	2,100,000						0	0	30	
C9-C12 Aliphatic Hydrocarbons	ND	4,000,000						0	0	30	
Surr: 4-Bromofluorobenzene	1,500,000		1,432,000		102	70	130		0	30	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analysis exceeds
J	Estimated concentration	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

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RTI
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Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

QC SUMMARY REPORT

WO#: **1103120**

15-Apr-11

Client: Shaw Environmental & Infrastructure, Inc

Project: Kirtland AFB

BatchID: **R39579**

Sample ID: **MBLK** SampType: **MBLK** TestCode: **EPA_TO15-ug** Units: **ppbv** Prep Date: RunNo: **39579**

Client ID: **ZZZZZZ** Batch ID: **R39579** TestNo: **TO-15M** Analysis Date: **3/23/2011** SeqNo: **751506**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	40									
1,1,2,2-Tetrachloroethane	ND	40									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	40									
1,1,2-Trichloroethane	ND	40									
1,1-Dichloroethane	ND	40									
1,1-Dichloroethene	ND	40									
1,2,4-Trichlorobenzene	ND	40									
1,2,4-Trimethylbenzene	ND	40									
1,2-Dibromoethane	ND	40									
1,2-Dichlorobenzene	ND	40									
1,2-Dichloroethane	ND	40									
1,2-Dichloropropane	ND	40									
1,3,5-Trimethylbenzene	ND	40									
1,3-Butadiene	ND	40									
1,3-Dichlorobenzene	ND	40									
1,4-Dichlorobenzene	ND	40									
1,4-Dioxane	ND	40									
2-Butanone	ND	40									
2-Hexanone	ND	40									
2-Propanol	ND	40									
4-Ethyltoluene	ND	40									
4-Methyl-2-pentanone	ND	40									
Acetone	ND	40									
Benzene	40	40									
Benzyl chloride	ND	40									
Bromodichloromethane	ND	40									

Qualifiers:

*X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analysis exceeds
J	Estimated concentration	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1103120**

15-Apr-11

Client: Shaw Environmental & Infrastructure, Inc

Project: Kirtland AFB

BatchID: **R39579**

Sample ID: **MBLK** SampType: **MBLK** TestCode: **EPA_TO15-ug** Units: **ppbv** Prep Date: RunNo: **39579**

Client ID: **ZZZZZZ** Batch ID: **R39579** TestNo: **TO-15M** Analysis Date: **3/23/2011** SeqNo: **761506**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	ND	40									
Bromomethane	ND	40									
Carbon disulfide	ND	40									
Carbon tetrachloride	ND	40									
Chlorobenzene	ND	40									
Chlorodibromomethane	ND	40									
Chloroethane	ND	40									
Chloroform	ND	40									
Chloromethane	ND	40									
cis-1,2-Dichloroethene	ND	40									
cis-1,3-dichloropropene	ND	40									
Cyclohexane	55	40									
Dichlorodifluoromethane	ND	40									
Ethanol	ND	40									
Ethyl acetate	ND	40									
Ethylbenzene	ND	40									
Heptane	56	40									
Hexachlorobutadiene	ND	40									
m,p-Xylene	ND	80									
Methylene chloride	ND	40									
Naphthalene	ND	40									
n-Hexane	46	40									
o-Xylene	ND	40									
Propylene	77	40									
Styrene	ND	40									
tert-Butyl Methyl Ether	ND	40									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated concentration	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

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RTI
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Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
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QC SUMMARY REPORT

WO#: 1103120
15-Apr-11

Client: Shaw Environmental & Infrastructure, Inc
Project: Kirtland AFB **BatchID:** R39579

Sample ID: MBLK SampType: MBLK TestCode: EPA_TO15-ug Units: ppbv Prep Date: RunNo: 39579
Client ID: ZZZZZZ Batch ID: R39579 TestNo: TO-15M Analysis Date: 3/23/2011 SeqNo: 751506

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	40									
Tetrahydrofuran	ND	40									
Toluene	120	40									
trans-1,2-Dichloroethene	ND	40									
trans-1,3-dichloropropene	ND	40									
Trichloroethene	ND	40									
Trichlorofluoromethane	ND	40									
Vinyl acetate	ND	40									
Vinyl chloride	ND	40									
Surr: 4-Bromofluorobenzene	510		500.0		102	70	130				

Sample ID: 1103120-014ADUP SampType: DUP TestCode: EPA_TO15-ug Units: ppbv Prep Date: RunNo: 39579
Client ID: KAFB1068-POSTC1- Batch ID: R39579 TestNo: TO-15M Analysis Date: 3/24/2011 SeqNo: 751636

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	800						0	0	25	
1,1,2,2-Tetrachloroethane	ND	800						0	0	25	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	800						0	0	25	
1,1,2-Trichloroethane	ND	800						0	0	25	
1,1-Dichloroethane	ND	800						0	0	25	
1,1-Dichloroethene	ND	800						0	0	25	
1,2,4-Trichlorobenzene	ND	800						0	0	25	
1,2,4-Trimethylbenzene	ND	800						0	0	25	
1,2-Dibromoethane	ND	800						0	0	25	
1,2-Dichlorobenzene	ND	800						0	0	25	
1,2-Dichloroethane	ND	800						0	0	25	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analysis exceedc
J	Estimated concentration	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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Livonia, MI 48150
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Website: www.rtilabs.com

QC SUMMARY REPORT

WO#: 1103120

15-Apr-11

Client: Shaw Environmental & Infrastructure, Inc

Project: Kirtland AFB

BatchID: R39579

Sample ID: 1103120-014ADUP SampType: DUP TestCode: EPA_TO15-ug Units: ppbv Prep Date: RunNo: 39579

Client ID: KAFB1068-POSTC1- Batch ID: R39579 TestNo: TO-15M Analysis Date: 3/24/2011 SeqNo: 761536

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	800						0	0	25	
1,3,5-Trimethylbenzene	ND	800						0	0	25	
1,3-Butadiene	2,200	800						2,624	19.8	25	
1,3-Dichlorobenzene	ND	800						0	0	25	
1,4-Dichlorobenzene	ND	800						0	0	25	
1,4-Dioxane	ND	800						0	0	25	
2-Butanone	ND	800						0	0	25	
2-Hexanone	ND	800						0	0	25	
2-Propanol	ND	800						0	0	25	
4-Ethyltoluene	ND	800						0	0	25	
4-Methyl-2-pentanone	ND	800						0	0	25	
Acetone	1,300	800						1,408	11.4	25	
Benzene	5,400	800						7,432	31.7	25	R
Benzyl chloride	ND	800						0	0	25	
Bromodichloromethane	ND	800						0	0	25	
Bromoform	ND	800						0	0	25	
Bromomethane	ND	800						0	0	25	
Carbon disulfide	ND	800						0	0	25	
Carbon tetrachloride	ND	800						0	0	25	
Chlorobenzene	ND	800						0	0	25	
Chlorodibromomethane	ND	800						0	0	25	
Chloroethane	ND	800						0	0	25	
Chloroform	ND	800						0	0	25	
Chloromethane	ND	800						0	0	25	
cis-1,2-Dichloroethene	ND	800						0	0	25	
cis-1,3-dichloropropene	ND	800						0	0	25	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Value above quantitation range	H	Holding times for preparation or analysis exceeds
J	Estimated concentration	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI LABORATORIES, INC.

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31628 Glendale St.
Livonia, MI 48150
TEL: 7344228000 FAX: 7344225342
Website: www.rtilabs.com

QC SUMMARY REPORT

WO#: 1103120

15-Apr-11

Client: Shaw Environmental & Infrastructure, Inc

Project: Kirtland AFB

BatchID: R39579

Sample ID: 1103120-014ADUP SampType: DUP TestCode: EPA_TO15-ug Units: ppbv Prep Date: RunNo: 39579

Client ID: KAFB1068-POSTC1- Batch ID: R39579 TestNo: TO-15M Analysis Date: 3/24/2011 SeqNo: 751536

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyclohexane	3,800	800						4,936	27.0	25	R
Dichlorodifluoromethane	ND	800						0	0	25	
Ethanol	940	800						0	200	25	R
Ethyl acetate	ND	800						0	0	25	
Ethylbenzene	ND	800						0	0	25	
Heptane	2,500	800						2,912	15.1	25	
Hexachlorobutadiene	ND	800						0	0	25	
m,p-Xylene	ND	1,600						0	0	25	
Methylene chloride	2,300	800						2,928	25.2	25	R
Naphthalene	ND	800						0	0	25	
n-Hexane	3,600	800						4,672	25.0	25	R
o-Xylene	ND	800						0	0	25	
Propylene	77,000	800						92,540	18.2	25	E
Styrene	ND	800						0	0	25	
tert-Butyl Methyl Ether	ND	800						0	0	25	
Tetrachloroethene	ND	800						0	0	25	
Tetrahydrofuran	1,200	800						1,544	21.2	25	
Toluene	1,300	800						1,392	6.53	25	
trans-1,2-Dichloroethene	ND	800						0	0	25	
trans-1,3-dichloropropene	ND	800						0	0	25	
Trichloroethene	ND	800						0	0	25	
Trichlorofluoromethane	ND	800						0	0	25	
Vinyl acetate	ND	800						0	0	25	
Vinyl chloride	ND	800						0	0	25	
Surr: 4-Bromofluorobenzene	10,000		10,000		103	70	130		0	25	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analysis exceeds
J	Estimated concentration	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits

RTI Laboratories

Run ID: VOA1_110317C **Run No.: 39558**

Analytical Run Date: 3/17/2011 **InstrumentID:** VOA1

Analyst: Michael Truchan **Column:**

Calibration ID: **Column ID:** 0.25mm, 1.4umFT

Column Length: 30m

Run Comments: ccv questions - see mike t

SampID	TestCode	SampType	Batch ID	Analysis Date/Time	QA By	Q	Comments
BFB 50cc voa020211c	BFB_TUNE	TUNE	R39558	3/17/2011 9:24:00 AM	Charles O'Bryan		
TO15 L2 38cc voa	EPA_TO15-ug/m3	ICAL	R39558	3/17/2011 10:45:00 AM	Charles O'Bryan		
TO15 L3 20cc voa	EPA_TO15-ug/m3	ICAL	R39558	3/17/2011 11:26:00 AM	Charles O'Bryan		
TO15 L4 40cc voa	EPA_TO15-ug/m3	ICAL	R39558	3/17/2011 12:07:00 PM	Charles O'Bryan		
TO15 L5 48cc voa	EPA_TO15-ug/m3	ICAL	R39558	3/17/2011 12:47:00 PM	Charles O'Bryan		
TO15 L6 60cc voa	EPA_TO15-ug/m3	ICAL	R39558	3/17/2011 1:27:00 PM	Charles O'Bryan		
TO15 L7 80cc voa	EPA_TO15-ug/m3	ICAL	R39558	3/17/2011 2:08:00 PM	Charles O'Bryan		
BFB 50cc voa020211c	BFB_TUNE	TUNE	R39558	3/17/2011 2:49:00 PM	Charles O'Bryan		
TO15 CCV 40cc vo	EPA_TO15-ug/m3	CCV	R39558	3/17/2011 3:29:00 PM	Charles O'Bryan		
TO15 RLVS 20cc v	EPA_TO15-ug/m3	RLVS	R39558	3/17/2011 4:59:00 PM	Charles O'Bryan		
MBLK	EPA_TO15-ug/m3	MBLK	R39558	3/17/2011 7:04:00 PM	Charles O'Bryan		
1103120-001A	EPA_TO15-ug/m3	SAMP	R39558	3/17/2011 7:47:00 PM	Charles O'Bryan		
1103120-013A	EPA_TO15-ug/m3	SAMP	R39558	3/18/2011 3:00:00 AM	Charles O'Bryan		
1103120-013ADUP	EPA_TO15-ug/m3	DUP	R39558	3/18/2011 3:41:00 AM	Charles O'Bryan		Unable to report duplicate data. Sample and duplicate were affected by carryover from the previous sample that contained significantly elevated concentrations of VOCs.
1103120-002A	EPA_TO15-ug/m3	SAMP	R39558	3/18/2011 4:22:00 AM	Charles O'Bryan		
1103120-003A	EPA_TO15-ug/m3	SAMP	R39558	3/18/2011 5:03:00 AM	Charles O'Bryan		
1103120-009A	EPA_TO15-ug/m3	SAMP	R39558	3/18/2011 8:36:00 AM	Charles O'Bryan		
1103120-004A	EPA_TO15-ug/m3	SAMP	R39558	3/18/2011 10:00:00 AM	Charles O'Bryan		
1103120-005A	EPA_TO15-ug/m3	SAMP	R39558	3/18/2011 10:40:00 AM	Charles O'Bryan		
1103120-006A	EPA_TO15-ug/m3	SAMP	R39558	3/18/2011 11:21:00 AM	Charles O'Bryan		
1103120-007A	EPA_TO15-ug/m3	SAMP	R39558	3/18/2011 12:01:00 PM	Charles O'Bryan		
1103120-008A	EPA_TO15-ug/m3	SAMP	R39558	3/18/2011 12:42:00 PM	Charles O'Bryan		
1103120-010A	EPA_TO15-ug/m3	SAMP	R39558	3/18/2011 1:23:00 PM	Charles O'Bryan		
TO15 RLVS 20cc v	EPA_TO15-ug/m3	RLVS	R39558	3/18/2011 2:04:00 PM	Charles O'Bryan		

RTI Laboratories

Run ID: VOA1_110323A **Run No.:** 39579

Analytical Run Date: 3/23/2011 **InstrumentID:** VOA1

Analyst: Michael Truchan **Column:**

Calibration ID: **Column ID:** 0.25mm, 1.4umFT

Column Length: 30m

Run Comments: ccv questions - see mike t

SampID	TestCode	SampType	Batch ID	Analysis Date/Time	QA By	Q	Comments
BFB 50cc voa020211c	BFB_TUNE	TUNE	R39579	3/23/2011 9:18:00 AM	Celeste Hoitash		
TO15 CCV 40cc vo	EPA_TO15-ug/m3	CCV	R39579	3/23/2011 10:00:00 AM	Charles O'Bryan		
TO15 RLVS 20cc v	EPA_TO15-ug/m3	RLVS	R39579	3/23/2011 10:43:00 AM	Charles O'Bryan		
MBLK	EPA_TO15-ug/m3	MBLK	R39579	3/23/2011 3:19:00 PM	Charles O'Bryan		
1103120-013A	EPA_TO15-ug/m3	SAMP	R39579	3/23/2011 6:23:00 PM	Charles O'Bryan		
1103120-002A	EPA_TO15-ug/m3	SAMP	R39579	3/23/2011 7:03:00 PM	Charles O'Bryan		
1103120-003A	EPA_TO15-ug/m3	SAMP	R39579	3/23/2011 7:45:00 PM	Charles O'Bryan		
1103120-015A	EPA_TO15-ug/m3	SAMP	R39579	3/23/2011 8:27:00 PM	Charles O'Bryan		
1103120-004A	EPA_TO15-ug/m3	SAMP	R39579	3/23/2011 9:54:00 PM	Charles O'Bryan		
1103120-005A	EPA_TO15-ug/m3	SAMP	R39579	3/23/2011 10:39:00 PM	Charles O'Bryan		
1103120-006A	EPA_TO15-ug/m3	SAMP	R39579	3/23/2011 11:24:00 PM	Charles O'Bryan		
1103120-007A	EPA_TO15-ug/m3	SAMP	R39579	3/24/2011 12:08:00 AM	Charles O'Bryan		
1103120-008A	EPA_TO15-ug/m3	SAMP	R39579	3/24/2011 12:53:00 AM	Charles O'Bryan		
1103120-011A	EPA_TO15-ug/m3	SAMP	R39579	3/24/2011 1:38:00 AM	Charles O'Bryan		
1103120-012A	EPA_TO15-ug/m3	SAMP	R39579	3/24/2011 2:23:00 AM	Charles O'Bryan		
1103120-014A	EPA_TO15-ug/m3	SAMP	R39579	3/24/2011 3:08:00 AM	Charles O'Bryan		
1103120-014ADUP	EPA_TO15-ug/m3	DUP	R39579	3/24/2011 3:56:00 AM	Charles O'Bryan		
TO15 RLVS 20cc v	EPA_TO15	RLVS	R39579	3/24/2011 7:37:00 AM	Charles O'Bryan		

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751470	TO15 L7 80cc voa	EPA_TO15-ug/	ICAL	\1\DATA\031711\3/17/2011 2:08:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
n-Hexane-ug/m3	C	µg/m³	61.79325	61.79325		0	0	0	3.525	3.525	0	0%	0	0	0%	B
Naphthalene-ug/m3	C	µg/m³	102.79562	102.79562		0	0	0	5.242	5.242	0	0%	0	0	0%	B
o-Xylene-ug/m3	C	µg/m³	70.3404	70.3404		0	0	0	4.342	4.342	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	78.75432	78.75432		0	0	0	4.916	4.916	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	32.04502	32.04502		0	0	0	1.721	1.721	0	0%	0	0	0%	B
Styrene-ug/m3	C	µg/m³	72.5904	72.5904		0	0	0	4.26	4.26	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	58.36495	58.36495		0	0	0	3.605	3.605	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	111.42826	111.42826		0	0	0	6.782	6.782	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	51.37158	51.37158		0	0	0	2.949	2.949	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	61.51008	61.51008		0	0	0	3.769	3.769	0	0%	0	0	0%	B
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	70.06155	70.06155		0	0	0	3.965	3.965	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	74.62116	74.62116		0	0	0	4.539	4.539	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	88.671	88.671		0	0	0	5.374	5.374	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	96.0678	96.0678		0	0	0	5.618	5.618	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	59.96263	59.96263		0	0	0	3.521	3.521	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	39.4902	39.4902		0	0	0	2.556	2.556	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	12.5		0	0	0	0	0	0	0%	0	0	0%	
Bromochloromethane	I	ppbv	12.5	12.5		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ppbv	12.5	12.5		0	0	0	0	0	0	0%	0	0	0%	
4-Bromofluorobenzene	S	ppbv	12.6	12.6		0	0	0	0	0	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751060	BFB 50cc voa020211c	BFB_TUNE	TUNE	\1\DATA\031711\3/17/2011 2:49:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
173	M		0.2	0.2		0	0	0	0	0	0	0%	0	2	0%	
174	M		88.5	88.5		0	0	0	0	0	0	0%	50	120	0%	
175	M		7.2	7.2		0	0	0	0	0	0	0%	4	9	0%	
176	M		98.3	98.3		0	0	0	0	0	0	0%	93	101	0%	
177	M		6.7	6.7		0	0	0	0	0	0	0%	5	9	0%	
50	M		16.9	16.9		0	0	0	0	0	0	0%	8	40	0%	
75	M		45.5	45.5		0	0	0	0	0	0	0%	30	66	0%	
95	M		100	100		0	0	0	0	0	0	0%	100	100	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751060	BFB 50cc voa020211c	BFB_TUNE	TUNE	\I\DATA\031711\3/17/2011 2:49:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
96	M		6.9	6.9		0	0	0	0	0	0	0%	5	9	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751006	TO15 CCV 40cc vo	EPA_TO15-ug/	CCV	\I\DATA\031711\3/17/2011 3:29:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	10.77	10.77		10	0	0	1	1	0	108%	70	130	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	4.52	4.52		4.17	0	0	1	1	0	108%	70	130	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	10.87	10.87		9.8	0	0	1	1	0	111%	70	130	0%	
1,1,2-Trichloroethane	A	ppbv	10.69	10.69		10	0	0	1	1	0	107%	70	130	0%	
1,1-Dichloroethane	A	ppbv	11.5	11.5		10	0	0	1	1	0	115%	70	130	0%	
1,1-Dichloroethene	A	ppbv	9.58	9.58		10	0	0	1	1	0	96%	70	130	0%	
1,2,4-Trichlorobenzene	A	ppbv	7.26	7.26		10.6	0	0	1	1	0	68%	70	130	0%	S
1,2,4-Trimethylbenzene	A	ppbv	9.26	9.26		10	0	0	1	1	0	93%	70	130	0%	
1,2-Dibromoethane	A	ppbv	9.81	9.81		10	0	0	1	1	0	98%	70	130	0%	
1,2-Dichlorobenzene	A	ppbv	9.71	9.71		10	0	0	1	1	0	97%	70	130	0%	
1,2-Dichloroethane	A	ppbv	11.3	11.3		10	0	0	1	1	0	113%	70	130	0%	
1,2-Dichloropropane	A	ppbv	11.43	11.43		10	0	0	1	1	0	114%	70	130	0%	
1,3,5-Trimethylbenzene	A	ppbv	9.53	9.53		10	0	0	1	1	0	95%	70	130	0%	
1,3-Butadiene	A	ppbv	10.53	10.53		10	0	0	1	1	0	105%	70	130	0%	
1,3-Dichlorobenzene	A	ppbv	9.83	9.83		10	0	0	1	1	0	98%	70	130	0%	
1,4-Dichlorobenzene	A	ppbv	9.87	9.87		10.2	0	0	1	1	0	97%	70	130	0%	
1,4-Dioxane	A	ppbv	8.53	8.53		10	0	0	1	1	0	85%	70	130	0%	
2-Butanone	A	ppbv	11.07	11.07		10.2	0	0	1	1	0	109%	70	130	0%	
2-Hexanone	A	ppbv	14.53	14.53		10	0	0	1	1	0	145%	70	130	0%	S
2-Propanol	A	ppbv	12.47	12.47		10	0	0	1	1	0	125%	70	130	0%	
4-Methyl-2-pentanone	A	ppbv	13.81	13.81		10.6	0	0	1	1	0	130%	70	130	0%	S
Acetone	A	ppbv	10.47	10.47		10	0	0	1	1	0	105%	70	130	0%	B
Benzene	A	ppbv	11.49	11.49		10	0	0	1	1	0	115%	70	130	0%	
Benzyl chloride	A	ppbv	5.46	5.46		5.4	0	0	1	1	0	101%	70	130	0%	
Bromodichloromethane	A	ppbv	11.27	11.27		10.2	0	0	1	1	0	110%	70	130	0%	
Bromoform	A	ppbv	10.26	10.26		9.8	0	0	1	1	0	105%	70	130	0%	
Bromomethane	A	ppbv	6.58	6.58		10	0	0	1	1	0	66%	70	130	0%	S

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751006	TO15 CCV 40cc vo	EPA_TO15-ug/	CCV	\I\DATA\031711\3/17/2011 3:29:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Carbon disulfide	A	ppbv	9.8	9.8		10	0	0	1	1	0	98%	70	130	0%	
Carbon tetrachloride	A	ppbv	11.09	11.09		10	0	0	1	1	0	111%	70	130	0%	
Chlorobenzene	A	ppbv	10.52	10.52		10	0	0	1	1	0	105%	70	130	0%	
Chlorodibromomethane	A	ppbv	11.16	11.16		10	0	0	1	1	0	112%	70	130	0%	
Chloroethane	A	ppbv	8.13	8.13		10	0	0	1	1	0	81%	70	130	0%	
Chloroform	A	ppbv	10.95	10.95		10.2	0	0	1	1	0	107%	70	130	0%	
Chloromethane	A	ppbv	12.08	12.08		10.2	0	0	1	1	0	118%	70	130	0%	
cis-1,2-Dichloroethene	A	ppbv	11.35	11.35		10	0	0	1	1	0	114%	70	130	0%	
cis-1,3-dichloropropene	A	ppbv	11.28	11.28		10.6	0	0	1	1	0	106%	70	130	0%	
Cyclohexane	A	ppbv	10.94	10.94		10.2	0	0	1	1	0	107%	70	130	0%	B
Dichlorodifluoromethane	A	ppbv	9.96	9.96		10	0	0	1	1	0	100%	70	130	0%	
Ethanol	A	ppbv	13.08	13.08		12.2	0	0	1	1	0	107%	70	130	0%	B
Ethyl acetate	A	ppbv	10.49	10.49		10	0	0	1	1	0	105%	70	130	0%	
Ethylbenzene	A	ppbv	11.29	11.29		10	0	0	1	1	0	113%	70	130	0%	
Heptane	A	ppbv	10.82	10.82		10	0	0	1	1	0	108%	70	130	0%	B
Hexachlorobutadiene	A	ppbv	8.64	8.64		9.8	0	0	1	1	0	88%	70	130	0%	
m,p-Xylene	A	ppbv	20.84	20.84		20	0	0	2	2	0	104%	70	130	0%	
Methylene chloride	A	ppbv	10.22	10.22		9.8	0	0	1	1	0	104%	70	130	0%	B
n-Hexane	A	ppbv	10.45	10.45		10.2	0	0	1	1	0	102%	70	130	0%	B
Naphthalene	A	ppbv	6.98	6.98		10	0	0	1	1	0	70%	70	130	0%	BS
o-Xylene	A	ppbv	11.08	11.08		10	0	0	1	1	0	111%	70	130	0%	
p-Ethyltoluene	A	ppbv	9.43	9.43		10.6	0	0	1	1	0	89%	70	130	0%	
Propylene	A	ppbv	11.33	11.33		10	0	0	1	1	0	113%	70	130	0%	B
Styrene	A	ppbv	11.24	11.24		10	0	0	1	1	0	112%	70	130	0%	
tert-Butyl Methyl Ether	A	ppbv	11.37	11.37		10	0	0	1	1	0	114%	70	130	0%	
Tetrachloroethene	A	ppbv	10.82	10.82		10	0	0	1	1	0	108%	70	130	0%	
Tetrahydrofuran	A	ppbv	12.23	12.23		10	0	0	1	1	0	122%	70	130	0%	
Toluene	A	ppbv	11.76	11.76		10	0	0	1	1	0	118%	70	130	0%	B
trans-1,2-Dichloroethene	A	ppbv	10.78	10.78		10	0	0	1	1	0	108%	70	130	0%	
trans-1,3-dichloropropene	A	ppbv	10.51	10.51		9.4	0	0	1	1	0	112%	70	130	0%	
Trichloroethene	A	ppbv	15.91	15.91		13.6	0	0	1	1	0	117%	70	130	0%	
Trichlorofluoromethane	A	ppbv	10.27	10.27		10	0	0	1	1	0	103%	70	130	0%	
Vinyl acetate	A	ppbv	10.81	10.81		10	0	0	1	1	0	108%	70	130	0%	
Vinyl chloride	A	ppbv	10.48	10.48		10	0	0	1	1	0	105%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751006	TO15 CCV 40cc vo	EPA_TO15-ug/	CCV	\I\DATA\031711\	3/17/2011 3:29:0	1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane-ug/m3	C	µg/m³	58.76112	58.76112		54.56	0	0	5.456	5.456	0	108%	70	130	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	31.0298	31.0298		28.62705	0	0	6.865	6.865	0	108%	70	130	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	83.30768	83.30768		75.1072	0	0	7.664	7.664	0	111%	70	130	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	58.32464	58.32464		54.56	0	0	5.456	5.456	0	107%	70	130	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	46.5405	46.5405		40.47	0	0	4.047	4.047	0	115%	70	130	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	37.9847	37.9847		39.65	0	0	3.965	3.965	0	96%	70	130	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	53.87646	53.87646		78.6626	0	0	7.421	7.421	0	68%	70	130	0%	S
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	45.52216	45.52216		49.16	0	0	4.916	4.916	0	93%	70	130	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	75.41928	75.41928		76.88	0	0	7.688	7.688	0	98%	70	130	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	58.37652	58.37652		60.12	0	0	6.012	6.012	0	97%	70	130	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	45.7311	45.7311		40.47	0	0	4.047	4.047	0	113%	70	130	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	52.81803	52.81803		46.21	0	0	4.621	4.621	0	114%	70	130	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	46.84948	46.84948		49.16	0	0	4.916	4.916	0	95%	70	130	0%	
1,3-Butadiene-ug/m3	C	µg/m³	23.29236	23.29236		22.12	0	0	2.212	2.212	0	105%	70	130	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	59.09796	59.09796		60.12	0	0	6.012	6.012	0	98%	70	130	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	59.33844	59.33844		61.3224	0	0	6.012	6.012	0	97%	70	130	0%	
1,4-Dioxane-ug/m3	C	µg/m³	30.74212	30.74212		36.04	0	0	3.604	3.604	0	85%	70	130	0%	
2-Butanone-ug/m3	C	µg/m³	32.64543	32.64543		30.0798	0	0	2.949	2.949	0	109%	70	130	0%	
2-Hexanone-ug/m3	C	µg/m³	59.52941	59.52941		40.97	0	0	4.097	4.097	0	145%	70	130	0%	S
2-Propanol-ug/m3	C	µg/m³	30.65126	30.65126		24.58	0	0	2.458	2.458	0	125%	70	130	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	56.59338	56.59338		43.4388	0	0	4.098	4.098	0	130%	70	130	0%	S
Acetone-ug/m3	C	µg/m³	24.86625	24.86625		23.75	0	0	2.375	2.375	0	105%	70	130	0%	B
Benzene-ug/m3	C	µg/m³	36.71055	36.71055		31.95	0	0	3.195	3.195	0	115%	70	130	0%	
Benzyl chloride-ug/m3	C	µg/m³	28.26642	28.26642		27.9558	0	0	5.177	5.177	0	101%	70	130	0%	
Bromodichloromethane-ug/m3	C	µg/m³	75.49773	75.49773		68.3298	0	0	6.699	6.699	0	110%	70	130	0%	
Bromoform-ug/m3	C	µg/m³	106.05762	106.05762		101.3026	0	0	10.337	10.337	0	105%	70	130	0%	
Bromomethane-ug/m3	C	µg/m³	25.55014	25.55014		38.83	0	0	3.883	3.883	0	66%	70	130	0%	S
Carbon disulfide-ug/m3	C	µg/m³	30.5172	30.5172		31.14	0	0	3.114	3.114	0	98%	70	130	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	69.76719	69.76719		62.91	0	0	6.291	6.291	0	111%	70	130	0%	
Chlorobenzene-ug/m3	C	µg/m³	48.43408	48.43408		46.04	0	0	4.604	4.604	0	105%	70	130	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	95.07204	95.07204		85.19	0	0	8.519	8.519	0	112%	70	130	0%	
Chloroethane-ug/m3	C	µg/m³	21.44694	21.44694		26.38	0	0	2.638	2.638	0	81%	70	130	0%	
Chloroform-ug/m3	C	µg/m³	53.46885	53.46885		49.8066	0	0	4.883	4.883	0	107%	70	130	0%	
Chloromethane-ug/m3	C	µg/m³	24.9452	24.9452		21.063	0	0	2.065	2.065	0	118%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751006	TO15 CCV 40cc vo	EPA_TO15-ug/	CCV	\1\DATA\031711\3/17/2011 3:29:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	45.00275	45.00275		39.65	0	0	3.965	3.965	0	114%	70	130	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	51.19992	51.19992		48.1134	0	0	4.539	4.539	0	106%	70	130	0%	
Cyclohexane-ug/m3	C	µg/m³	37.65548	37.65548		35.1084	0	0	3.442	3.442	0	107%	70	130	0%	B
Dichlorodifluoromethane-ug/m3	C	µg/m³	49.2522	49.2522		49.45	0	0	4.945	4.945	0	100%	70	130	0%	
Ethanol-ug/m3	C	µg/m³	24.64272	24.64272		22.9848	0	0	1.884	1.884	0	107%	70	130	0%	B
Ethyl acetate-ug/m3	C	µg/m³	37.79547	37.79547		36.03	0	0	3.603	3.603	0	105%	70	130	0%	
Ethyl benzene-ug/m3	C	µg/m³	49.02118	49.02118		43.42	0	0	4.342	4.342	0	113%	70	130	0%	
Heptane-ug/m3	C	µg/m³	44.35118	44.35118		40.99	0	0	4.099	4.099	0	108%	70	130	0%	B
Hexachlorobutadiene-ug/m3	C	µg/m³	92.1456	92.1456		104.517	0	0	10.665	10.665	0	88%	70	130	0%	
m,p-Xylene-ug/m3	C	µg/m³	180.97456	180.97456		173.68	0	0	17.368	17.368	0	104%	70	130	0%	
Methylene chloride-ug/m3	C	µg/m³	35.50428	35.50428		34.0452	0	0	3.474	3.474	0	104%	70	130	0%	B
n-Hexane-ug/m3	C	µg/m³	36.83625	36.83625		35.955	0	0	3.525	3.525	0	102%	70	130	0%	B
Naphthalene-ug/m3	C	µg/m³	36.58916	36.58916		52.42	0	0	5.242	5.242	0	70%	70	130	0%	BS
o-Xylene-ug/m3	C	µg/m³	48.10936	48.10936		43.42	0	0	4.342	4.342	0	111%	70	130	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	46.35788	46.35788		52.1096	0	0	4.916	4.916	0	89%	70	130	0%	
Propylene-ug/m3	C	µg/m³	19.49893	19.49893		17.21	0	0	1.721	1.721	0	113%	70	130	0%	B
Styrene-ug/m3	C	µg/m³	47.8824	47.8824		42.6	0	0	4.26	4.26	0	112%	70	130	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	40.98885	40.98885		36.05	0	0	3.605	3.605	0	114%	70	130	0%	
Tetrachloroethene-ug/m3	C	µg/m³	73.38124	73.38124		67.82	0	0	6.782	6.782	0	108%	70	130	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	36.06627	36.06627		29.49	0	0	2.949	2.949	0	122%	70	130	0%	
Toluene-ug/m3	C	µg/m³	44.32344	44.32344		37.69	0	0	3.769	3.769	0	118%	70	130	0%	B
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	42.7427	42.7427		39.65	0	0	3.965	3.965	0	108%	70	130	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	47.70489	47.70489		42.6666	0	0	4.539	4.539	0	112%	70	130	0%	
Trichloroethene-ug/m3	C	µg/m³	85.50034	85.50034		73.0864	0	0	5.374	5.374	0	117%	70	130	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	57.69686	57.69686		56.18	0	0	5.618	5.618	0	103%	70	130	0%	
Vinyl acetate-ug/m3	C	µg/m³	38.06201	38.06201		35.21	0	0	3.521	3.521	0	108%	70	130	0%	
Vinyl chloride-ug/m3	C	µg/m³	26.78688	26.78688		25.56	0	0	2.556	2.556	0	105%	70	130	0%	
1,4-Difluorobenzene	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.61	12.61		12.5	0	0	0	0	0	101%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751007	TO15 RLVS 20cc v	EPA_TO15-ug/	RLVS	\I\DATA\031711\3/17/2011 4:59:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	1.08	1.08		0.96	0	0	1	1	0	113%	70	130	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	1.21	1.21		1	0	0	1	1	0	121%	70	130	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	1.06	1.06		0.98	0	0	1	1	0	108%	70	130	0%	
1,1,2-Trichloroethane	A	ppbv	1.16	1.16		0.98	0	0	1	1	0	118%	70	130	0%	
1,1-Dichloroethane	A	ppbv	1.09	1.09		0.97	0	0	1	1	0	112%	70	130	0%	
1,1-Dichloroethene	A	ppbv	1.09	1.09		0.99	0	0	1	1	0	110%	70	130	0%	
1,2,4-Trichlorobenzene	A	ppbv	0.89	0.89		0.91	0	0	1	1	0	98%	70	130	0%	
1,2,4-Trimethylbenzene	A	ppbv	1.28	1.28		0.98	0	0	1	1	0	131%	70	130	0%	S
1,2-Dibromoethane	A	ppbv	1.17	1.17		0.96	0	0	1	1	0	122%	70	130	0%	
1,2-Dichlorobenzene	A	ppbv	1.31	1.31		0.97	0	0	1	1	0	135%	70	130	0%	S
1,2-Dichloroethane	A	ppbv	1.21	1.21		0.97	0	0	1	1	0	125%	70	130	0%	
1,2-Dichloropropane	A	ppbv	1.17	1.17		0.98	0	0	1	1	0	119%	70	130	0%	
1,3,5-Trimethylbenzene	A	ppbv	1.44	1.44		0.97	0	0	1	1	0	148%	70	130	0%	S
1,3-Butadiene	A	ppbv	1.27	1.27		0.98	0	0	1	1	0	130%	70	130	0%	
1,3-Dichlorobenzene	A	ppbv	1.35	1.35		0.97	0	0	1	1	0	139%	70	130	0%	S
1,4-Dichlorobenzene	A	ppbv	1.31	1.31		0.96	0	0	1	1	0	136%	70	130	0%	S
1,4-Dioxane	A	ppbv	1.18	1.18		0.96	0	0	1	1	0	123%	70	130	0%	
2-Butanone	A	ppbv	1.23	1.23		0.99	0	0	1	1	0	124%	70	130	0%	
2-Hexanone	A	ppbv	1.07	1.07		0.98	0	0	1	1	0	109%	70	130	0%	
2-Propanol	A	ppbv	1	1		1.01	0	0	1	1	0	99%	70	130	0%	
4-Methyl-2-pentanone	A	ppbv	0.99	0.99		1	0	0	1	1	0	99%	70	130	0%	
Acetone	A	ppbv	1.35	1.35		1	0	0	1	1	0	135%	70	130	0%	BS
Benzene	A	ppbv	1.3	1.3		0.96	0	0	1	1	0	135%	70	130	0%	S
Benzyl chloride	A	ppbv	1.3	1.3		0.97	0	0	1	1	0	134%	70	130	0%	S
Bromodichloromethane	A	ppbv	1.1	1.1		0.96	0	0	1	1	0	115%	70	130	0%	
Bromoform	A	ppbv	1.15	1.15		0.96	0	0	1	1	0	120%	70	130	0%	
Bromomethane	A	ppbv	1.01	1.01		0.93	0	0	1	1	0	109%	70	130	0%	
Carbon disulfide	A	ppbv	1.06	1.06		0.97	0	0	1	1	0	109%	70	130	0%	
Carbon tetrachloride	A	ppbv	1.06	1.06		0.95	0	0	1	1	0	112%	70	130	0%	
Chlorobenzene	A	ppbv	1.22	1.22		0.99	0	0	1	1	0	123%	70	130	0%	
Chlorodibromomethane	A	ppbv	1.11	1.11		0.98	0	0	1	1	0	113%	70	130	0%	
Chloroethane	A	ppbv	0.99	0.99		0.92	0	0	1	1	0	108%	70	130	0%	
Chloroform	A	ppbv	1.14	1.14		0.98	0	0	1	1	0	116%	70	130	0%	
Chloromethane	A	ppbv	1.05	1.05		0.95	0	0	1	1	0	111%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751007	TO15 RLVS 20cc v	EPA_TO15-ug/	RLVS	\\1\DATA\031711\3/17/2011 4:59:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
cis-1,2-Dichloroethene	A	ppbv	1.09	1.09		0.98	0	0	1	1	0	111%	70	130	0%	
cis-1,3-dichloropropene	A	ppbv	1.1	1.1		0.95	0	0	1	1	0	116%	70	130	0%	
Cyclohexane	A	ppbv	1.22	1.22		0.98	0	0	1	1	0	124%	70	130	0%	B
Dichlorodifluoromethane	A	ppbv	1	1		0.92	0	0	1	1	0	109%	70	130	0%	
Ethanol	A	ppbv	1.15	1.15		0.92	0	0	1	1	0	125%	70	130	0%	B
Ethyl acetate	A	ppbv	1.17	1.17		0.98	0	0	1	1	0	119%	70	130	0%	
Ethylbenzene	A	ppbv	1.39	1.39		0.98	0	0	1	1	0	142%	70	130	0%	S
Heptane	A	ppbv	1.26	1.26		0.99	0	0	1	1	0	127%	70	130	0%	B
Hexachlorobutadiene	A	ppbv	1.18	1.18		0.94	0	0	1	1	0	126%	70	130	0%	
m,p-Xylene	A	ppbv	2.63	2.63		1.92	0	0	2	2	0	137%	70	130	0%	S
Methylene chloride	A	ppbv	1.16	1.16		1	0	0	1	1	0	116%	70	130	0%	B
n-Hexane	A	ppbv	1.26	1.26		1.01	0	0	1	1	0	125%	70	130	0%	B
Naphthalene	A	ppbv	1.06	1.06		0.92	0	0	1	1	0	115%	70	130	0%	B
o-Xylene	A	ppbv	1.39	1.39		1	0	0	1	1	0	139%	70	130	0%	S
p-Ethyltoluene	A	ppbv	1.42	1.42		0.98	0	0	1	1	0	145%	70	130	0%	S
Propylene	A	ppbv	1.12	1.12		1.02	0	0	1	1	0	110%	70	130	0%	B
Styrene	A	ppbv	1.18	1.18		0.98	0	0	1	1	0	120%	70	130	0%	
tert-Butyl Methyl Ether	A	ppbv	1.41	1.41		0.99	0	0	1	1	0	142%	70	130	0%	S
Tetrachloroethene	A	ppbv	1.14	1.14		0.96	0	0	1	1	0	119%	70	130	0%	
Tetrahydrofuran	A	ppbv	1.15	1.15		1	0	0	1	1	0	115%	70	130	0%	
Toluene	A	ppbv	1.36	1.36		0.98	0	0	1	1	0	139%	70	130	0%	BS
trans-1,2-Dichloroethene	A	ppbv	1.08	1.08		0.98	0	0	1	1	0	110%	70	130	0%	
trans-1,3-dichloropropene	A	ppbv	1.08	1.08		0.91	0	0	1	1	0	119%	70	130	0%	
Trichloroethene	A	ppbv	1.08	1.08		0.96	0	0	1	1	0	113%	70	130	0%	
Trichlorofluoromethane	A	ppbv	1.06	1.06		0.96	0	0	1	1	0	110%	70	130	0%	
Vinyl acetate	A	ppbv	1.28	1.28		0.99	0	0	1	1	0	129%	70	130	0%	
Vinyl chloride	A	ppbv	1.07	1.07		0.94	0	0	1	1	0	114%	70	130	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	5.89248	5.89248		5.23776	0	0	5.456	5.456	0	113%	70	130	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	8.30665	8.30665		6.865	0	0	6.865	6.865	0	121%	70	130	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	8.12384	8.12384		7.51072	0	0	7.664	7.664	0	108%	70	130	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	6.32896	6.32896		5.34688	0	0	5.456	5.456	0	118%	70	130	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	4.41123	4.41123		3.92559	0	0	4.047	4.047	0	112%	70	130	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	4.32185	4.32185		3.92535	0	0	3.965	3.965	0	110%	70	130	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	6.60469	6.60469		6.75311	0	0	7.421	7.421	0	98%	70	130	0%	

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751007	TO15 RLVS 20cc v	EPA_TO15-ug/	RLVS	\I\DATA\031711\3/17/2011 4:59:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	6.29248	6.29248		4.81768	0	0	4.916	4.916	0	131%	70	130	0%	S
1,2-Dibromoethane-ug/m3	C	µg/m³	8.99496	8.99496		7.38048	0	0	7.688	7.688	0	122%	70	130	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	7.87572	7.87572		5.83164	0	0	6.012	6.012	0	135%	70	130	0%	S
1,2-Dichloroethane-ug/m3	C	µg/m³	4.89687	4.89687		3.92559	0	0	4.047	4.047	0	125%	70	130	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	5.40657	5.40657		4.52858	0	0	4.621	4.621	0	119%	70	130	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	7.07904	7.07904		4.76852	0	0	4.916	4.916	0	148%	70	130	0%	S
1,3-Butadiene-ug/m3	C	µg/m³	2.80924	2.80924		2.16776	0	0	2.212	2.212	0	130%	70	130	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	8.1162	8.1162		5.83164	0	0	6.012	6.012	0	139%	70	130	0%	S
1,4-Dichlorobenzene-ug/m3	C	µg/m³	7.87572	7.87572		5.77152	0	0	6.012	6.012	0	136%	70	130	0%	S
1,4-Dioxane-ug/m3	C	µg/m³	4.25272	4.25272		3.45984	0	0	3.604	3.604	0	123%	70	130	0%	
2-Butanone-ug/m3	C	µg/m³	3.62727	3.62727		2.91951	0	0	2.949	2.949	0	124%	70	130	0%	
2-Hexanone-ug/m3	C	µg/m³	4.38379	4.38379		4.01506	0	0	4.097	4.097	0	109%	70	130	0%	
2-Propanol-ug/m3	C	µg/m³	2.458	2.458		2.48258	0	0	2.458	2.458	0	99%	70	130	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	4.05702	4.05702		4.098	0	0	4.098	4.098	0	99%	70	130	0%	
Acetone-ug/m3	C	µg/m³	3.20625	3.20625		2.375	0	0	2.375	2.375	0	135%	70	130	0%	BS
Benzene-ug/m3	C	µg/m³	4.1535	4.1535		3.0672	0	0	3.195	3.195	0	135%	70	130	0%	S
Benzyl chloride-ug/m3	C	µg/m³	6.7301	6.7301		5.02169	0	0	5.177	5.177	0	134%	70	130	0%	S
Bromodichloromethane-ug/m3	C	µg/m³	7.3689	7.3689		6.43104	0	0	6.699	6.699	0	115%	70	130	0%	
Bromoform-ug/m3	C	µg/m³	11.88755	11.88755		9.92352	0	0	10.337	10.337	0	120%	70	130	0%	
Bromomethane-ug/m3	C	µg/m³	3.92183	3.92183		3.61119	0	0	3.883	3.883	0	109%	70	130	0%	
Carbon disulfide-ug/m3	C	µg/m³	3.30084	3.30084		3.02058	0	0	3.114	3.114	0	109%	70	130	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	6.66846	6.66846		5.97645	0	0	6.291	6.291	0	112%	70	130	0%	
Chlorobenzene-ug/m3	C	µg/m³	5.61688	5.61688		4.55796	0	0	4.604	4.604	0	123%	70	130	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	9.45609	9.45609		8.34862	0	0	8.519	8.519	0	113%	70	130	0%	
Chloroethane-ug/m3	C	µg/m³	2.61162	2.61162		2.42696	0	0	2.638	2.638	0	108%	70	130	0%	
Chloroform-ug/m3	C	µg/m³	5.56662	5.56662		4.78534	0	0	4.883	4.883	0	116%	70	130	0%	
Chloromethane-ug/m3	C	µg/m³	2.16825	2.16825		1.96175	0	0	2.065	2.065	0	111%	70	130	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	4.32185	4.32185		3.8857	0	0	3.965	3.965	0	111%	70	130	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	4.9929	4.9929		4.31205	0	0	4.539	4.539	0	116%	70	130	0%	
Cyclohexane-ug/m3	C	µg/m³	4.19924	4.19924		3.37316	0	0	3.442	3.442	0	124%	70	130	0%	B
Dichlorodifluoromethane-ug/m3	C	µg/m³	4.945	4.945		4.5494	0	0	4.945	4.945	0	109%	70	130	0%	
Ethanol-ug/m3	C	µg/m³	2.1666	2.1666		1.73328	0	0	1.884	1.884	0	125%	70	130	0%	B
Ethyl acetate-ug/m3	C	µg/m³	4.21551	4.21551		3.53094	0	0	3.603	3.603	0	119%	70	130	0%	
Ethyl benzene-ug/m3	C	µg/m³	6.03538	6.03538		4.25516	0	0	4.342	4.342	0	142%	70	130	0%	S

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751007	TO15 RLVS 20cc v	EPA_TO15-ug/	RLVS	\\I\DATA\031711\3/17/2011 4:59:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Heptane-ug/m3	C	µg/m³	5.16474	5.16474		4.05801	0	0	4.099	4.099	0	127%	70	130	0%	B
Hexachlorobutadiene-ug/m3	C	µg/m³	12.5847	12.5847		10.0251	0	0	10.665	10.665	0	126%	70	130	0%	
m,p-Xylene-ug/m3	C	µg/m³	22.83892	22.83892		16.67328	0	0	17.368	17.368	0	137%	70	130	0%	S
Methylene chloride-ug/m3	C	µg/m³	4.02984	4.02984		3.474	0	0	3.474	3.474	0	116%	70	130	0%	B
n-Hexane-ug/m3	C	µg/m³	4.4415	4.4415		3.56025	0	0	3.525	3.525	0	125%	70	130	0%	B
Naphthalene-ug/m3	C	µg/m³	5.55652	5.55652		4.82264	0	0	5.242	5.242	0	115%	70	130	0%	B
o-Xylene-ug/m3	C	µg/m³	6.03538	6.03538		4.342	0	0	4.342	4.342	0	139%	70	130	0%	S
p-Ethyltoluene-ug/m3	C	µg/m³	6.98072	6.98072		4.81768	0	0	4.916	4.916	0	145%	70	130	0%	S
Propylene-ug/m3	C	µg/m³	1.92752	1.92752		1.75542	0	0	1.721	1.721	0	110%	70	130	0%	B
Styrene-ug/m3	C	µg/m³	5.0268	5.0268		4.1748	0	0	4.26	4.26	0	120%	70	130	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	5.08305	5.08305		3.56895	0	0	3.605	3.605	0	142%	70	130	0%	S
Tetrachloroethene-ug/m3	C	µg/m³	7.73148	7.73148		6.51072	0	0	6.782	6.782	0	119%	70	130	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	3.39135	3.39135		2.949	0	0	2.949	2.949	0	115%	70	130	0%	
Toluene-ug/m3	C	µg/m³	5.12584	5.12584		3.69362	0	0	3.769	3.769	0	139%	70	130	0%	BS
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	4.2822	4.2822		3.8857	0	0	3.965	3.965	0	110%	70	130	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	4.90212	4.90212		4.13049	0	0	4.539	4.539	0	119%	70	130	0%	
Trichloroethene-ug/m3	C	µg/m³	5.80392	5.80392		5.15904	0	0	5.374	5.374	0	113%	70	130	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	5.95508	5.95508		5.39328	0	0	5.618	5.618	0	110%	70	130	0%	
Vinyl acetate-ug/m3	C	µg/m³	4.50688	4.50688		3.48579	0	0	3.521	3.521	0	129%	70	130	0%	
Vinyl chloride-ug/m3	C	µg/m³	2.73492	2.73492		2.40264	0	0	2.556	2.556	0	114%	70	130	0%	
1,4-Difluorobenzene	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.55	12.55		12.5	0	0	0	0	0	100%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751040	MBLK	EPA_TO15-ug/	MBLK	\\I\DATA\031711\3/17/2011 7:04:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751040	MBLK	EPA_TO15-ug/	MBLK	\\I\DATA\031711\3/17/2011 7:04:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	0.59	0		0	0	0	1	1	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
2-Butanone	A	ppbv	0.82	0		0	0	0	1	1	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0.51	0		0	0	0	1	1	0	0%	0	0	0%	
2-Propanol	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Acetone	A	ppbv	5.32	5.32		0	0	0	1	1	0	0%	0	0	0%	
Benzene	A	ppbv	0.87	0		0	0	0	1	1	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Chloromethane	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Cyclohexane	A	ppbv	1.42	1.42		0	0	0	1	1	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Ethanol	A	ppbv	1.54	1.54		0	0	0	1	1	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751040	MBLK	EPA_TO15-ug/	MBLK	\I\DATA\031711\3/17/2011 7:04:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethylbenzene	A	ppbv	0.55	0		0	0	0	1	1	0	0%	0	0	0%	
Heptane	A	ppbv	1.67	1.67		0	0	0	1	1	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	1.04	0		0	0	0	2	2	0	0%	0	0	0%	
Methylene chloride	A	ppbv	1.43	1.43		0	0	0	1	1	0	0%	0	0	0%	
n-Hexane	A	ppbv	1.56	1.56		0	0	0	1	1	0	0%	0	0	0%	
Naphthalene	A	ppbv	1.02	1.02		0	0	0	1	1	0	0%	0	0	0%	
o-Xylene	A	ppbv	0.59	0		0	0	0	1	1	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Propylene	A	ppbv	4.92	4.92		0	0	0	1	1	0	0%	0	0	0%	
Styrene	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0.68	0		0	0	0	1	1	0	0%	0	0	0%	
Toluene	A	ppbv	5.82	5.82		0	0	0	1	1	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	1	1	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	5.456	5.456	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	6.865	6.865	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	7.664	7.664	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	5.456	5.456	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	4.047	4.047	0	0%	0	0	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3.965	3.965	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	7.421	7.421	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	4.916	4.916	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	7.688	7.688	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	6.012	6.012	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	4.047	4.047	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	4.621	4.621	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	4.916	4.916	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751040	MBLK	EPA_TO15-ug/	MBLK	\I\DATA\031711\3/17/2011 7:04:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,3-Butadiene-ug/m3	C	µg/m³	1.30508	0		0	0	0	2.212	2.212	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	6.012	6.012	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	6.012	6.012	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	3.604	3.604	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	2.41818	0		0	0	0	2.949	2.949	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	2.08947	0		0	0	0	4.097	4.097	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	0	0		0	0	0	2.458	2.458	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	4.098	4.098	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	12.635	12.635		0	0	0	2.375	2.375	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	2.77965	0		0	0	0	3.195	3.195	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	5.177	5.177	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	6.699	6.699	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	10.337	10.337	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	3.883	3.883	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	3.114	3.114	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	6.291	6.291	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4.604	4.604	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	8.519	8.519	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	2.638	2.638	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	4.883	4.883	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	2.065	2.065	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3.965	3.965	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	4.539	4.539	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	4.88764	4.88764		0	0	0	3.442	3.442	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	4.945	4.945	0	0%	0	0	0%	
Ethanol-ug/m3	C	µg/m³	2.90136	2.90136		0	0	0	1.884	1.884	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	3.603	3.603	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	2.3881	0		0	0	0	4.342	4.342	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	6.84533	6.84533		0	0	0	4.099	4.099	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	10.665	10.665	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	9.03136	0		0	0	0	17.368	17.368	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	4.96782	4.96782		0	0	0	3.474	3.474	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	5.499	5.499		0	0	0	3.525	3.525	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	5.34684	5.34684		0	0	0	5.242	5.242	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	2.56178	0		0	0	0	4.342	4.342	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751040	MBLK	EPA_TO15-ug/	MBLK	\1\DATA\031711\3/17/2011 7:04:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	4.916	4.916	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	8.46732	8.46732		0	0	0	1.721	1.721	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	4.26	4.26	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	0	0		0	0	0	3.605	3.605	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	6.782	6.782	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	2.00532	0		0	0	0	2.949	2.949	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	21.93558	21.93558		0	0	0	3.769	3.769	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3.965	3.965	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	4.539	4.539	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	5.374	5.374	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	5.618	5.618	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	3.521	3.521	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	2.556	2.556	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.59	12.59		12.5	0	0	0	0	0	101%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751452	1103120-001A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\031711\3/17/2011 7:47:0		2	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0.56	0		0	0	0	2	2	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751452	1103120-001A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\031711\3/17/2011 7:47:0		2	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0.61	0		0	0	0	2	2	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	0.93	0		0	0	0	2	2	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
2-Butanone	A	ppbv	5.98	11.96		0	0	0	2	2	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
2-Propanol	A	ppbv	11.17	22.34		0	0	0	2	2	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
Acetone	A	ppbv	14.27	28.54		0	0	0	2	2	0	0%	0	0	0%	B
Benzene	A	ppbv	3.79	7.58		0	0	0	2	2	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0.83	0		0	0	0	2	2	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
Chloromethane	A	ppbv	0.53	0		0	0	0	2	2	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
Cyclohexane	A	ppbv	5.72	11.44		0	0	0	2	2	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
Ethanol	A	ppbv	19.87	39.74		0	0	0	2	2	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	1.59	3.18		0	0	0	2	2	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	1.77	3.54		0	0	0	2	2	0	0%	0	0	0%	
Heptane	A	ppbv	3.61	7.22		0	0	0	2	2	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	3.62	7.24		0	0	0	4	4	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751452	1103120-001A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\031711\3/17/2011 7:47:0		2	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methylene chloride	A	ppbv	15.56	31.12		0	0	0	2	2	0	0%	0	0	0%	
n-Hexane	A	ppbv	8.03	16.06		0	0	0	2	2	0	0%	0	0	0%	
Naphthalene	A	ppbv	0.66	0		0	0	0	2	2	0	0%	0	0	0%	
o-Xylene	A	ppbv	1.38	2.76		0	0	0	2	2	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0.62	0		0	0	0	2	2	0	0%	0	0	0%	
Propylene	A	ppbv	1.65	3.3		0	0	0	2	2	0	0%	0	0	0%	B
Styrene	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0.6	0		0	0	0	2	2	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
Toluene	A	ppbv	18.47	36.94		0	0	0	2	2	0	0%	0	0	0%	B
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0.54	0		0	0	0	2	2	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	2	2	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	10.912	10.912	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	13.73	13.73	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	15.328	15.328	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	10.912	10.912	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	8.094	8.094	0	0%	0	0	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	7.93	7.93	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	14.842	14.842	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	2.75296	0		0	0	0	9.832	9.832	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	15.376	15.376	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	12.024	12.024	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	8.094	8.094	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	9.242	9.242	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	2.99876	0		0	0	0	9.832	9.832	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	2.05716	0		0	0	0	4.424	4.424	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	12.024	12.024	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	12.024	12.024	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751452	1103120-001A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\031711\3/17/2011 7:47:0		2	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	7.208	7.208	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	17.63502	35.27004		0	0	0	5.898	5.898	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	0	0		0	0	0	8.194	8.194	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	27.45586	54.91172		0	0	0	4.916	4.916	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	8.196	8.196	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	33.89125	67.7825		0	0	0	4.75	4.75	0	0%	0	0	0%	B
Benzene-ug/m3	C	µg/m³	12.10905	24.2181		0	0	0	6.39	6.39	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	10.354	10.354	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	13.398	13.398	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	20.674	20.674	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	7.766	7.766	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	2.58462	0		0	0	0	6.228	6.228	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	12.582	12.582	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	9.208	9.208	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	17.038	17.038	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	5.276	5.276	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	9.766	9.766	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	1.09445	0		0	0	0	4.13	4.13	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	7.93	7.93	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	9.078	9.078	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	19.68824	39.37648		0	0	0	6.884	6.884	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	9.89	9.89	0	0%	0	0	0%	
Ethanol-ug/m3	C	µg/m³	37.43508	74.87016		0	0	0	3.768	3.768	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	5.72877	11.45754		0	0	0	7.206	7.206	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	7.68534	15.37068		0	0	0	8.684	8.684	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	14.79739	29.59478		0	0	0	8.198	8.198	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	21.33	21.33	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	31.43608	62.87216		0	0	0	34.736	34.736	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	54.05544	108.11088		0	0	0	6.948	6.948	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	28.30575	56.6115		0	0	0	7.05	7.05	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	3.45972	0		0	0	0	10.484	10.484	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	5.99196	11.98392		0	0	0	8.684	8.684	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	3.04792	0		0	0	0	9.832	9.832	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751452	1103120-001A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\031711\3/17/2011 7:47:0		2	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Propylene-ug/m3	C	µg/m³	2.83965	5.6793		0	0	0	3.442	3.442	0	0%	0	0	0%	B
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	8.52	8.52	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	0	0		0	0	0	7.21	7.21	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	4.0692	0		0	0	0	13.564	13.564	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	0	0		0	0	0	5.898	5.898	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	69.61343	139.22686		0	0	0	7.538	7.538	0	0%	0	0	0%	B
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	7.93	7.93	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	9.078	9.078	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	2.90196	0		0	0	0	10.748	10.748	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	11.236	11.236	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	7.042	7.042	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	5.112	5.112	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	25		25	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	25		25	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	25		25	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	13.56	27.12		25	0	0	0	0	0	108%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751453	1103120-013A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\031711\3/18/2011 3:00:0		40000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751453	1103120-013A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\I\DATA\031711\3/18/2011 3:00:0		40000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	3.19	127600		0	0	0	40000	40000	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
2-Butanone	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
2-Propanol	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Acetone	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Benzene	A	ppbv	1.87	74800		0	0	0	40000	40000	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Chloromethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Cyclohexane	A	ppbv	3.08	123200		0	0	0	40000	40000	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Ethanol	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	0.75	0		0	0	0	40000	40000	0	0%	0	0	0%	
Heptane	A	ppbv	2.42	96800		0	0	0	40000	40000	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751453	1103120-013A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\031711\3/18/2011 3:00:0		40000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
m,p-Xylene	A	ppbv	1.67	0		0	0	0	80000	80000	0	0%	0	0	0%	
Methylene chloride	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
n-Hexane	A	ppbv	2.22	88800		0	0	0	40000	40000	0	0%	0	0	0%	
Naphthalene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
o-Xylene	A	ppbv	0.7	0		0	0	0	40000	40000	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Propylene	A	ppbv	71.8	2872000		0	0	0	40000	40000	0	0%	0	0	0%	
Styrene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0.88	0		0	0	0	40000	40000	0	0%	0	0	0%	
Toluene	A	ppbv	4.92	196800		0	0	0	40000	40000	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218240	218240	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	274600	274600	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	306560	306560	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218240	218240	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	161880	161880	0	0%	0	0	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158600	158600	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	296840	296840	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	196640	196640	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	307520	307520	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240480	240480	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	161880	161880	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	184840	184840	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	196640	196640	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	7.05628	282251.2		0	0	0	88480	88480	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240480	240480	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751453	1103120-013A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\031711\3/18/2011 3:00:0		40000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240480	240480	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	144160	144160	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	0	0		0	0	0	117960	117960	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	0	0		0	0	0	163880	163880	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	0	0		0	0	0	98320	98320	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	163920	163920	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	0	0		0	0	0	95000	95000	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	5.97465	238986		0	0	0	127800	127800	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	207080	207080	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	267960	267960	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	413480	413480	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	155320	155320	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	124560	124560	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	251640	251640	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	184160	184160	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	340760	340760	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	105520	105520	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	195320	195320	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	82600	82600	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158600	158600	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181560	181560	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	10.60136	424054.4		0	0	0	137680	137680	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	197800	197800	0	0%	0	0	0%	
Ethanol-ug/m3	C	µg/m³	0	0		0	0	0	75360	75360	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	144120	144120	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	3.2565	0		0	0	0	173680	173680	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	9.91958	396783.2		0	0	0	163960	163960	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	426600	426600	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	14.50228	0		0	0	0	694720	694720	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	0	0		0	0	0	138960	138960	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	7.8255	313020		0	0	0	141000	141000	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	0	0		0	0	0	209680	209680	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	3.0394	0		0	0	0	173680	173680	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751453	1103120-013A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\031711\3/18/2011 3:00:0		40000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	196640	196640	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	123.5678	4942712		0	0	0	68840	68840	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	170400	170400	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	0	0		0	0	0	144200	144200	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	271280	271280	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	2.59512	0		0	0	0	117960	117960	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	18.54348	741739.2		0	0	0	150760	150760	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158600	158600	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181560	181560	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	214960	214960	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	224720	224720	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	140840	140840	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	102240	102240	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	500000		500000	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	500000		500000	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	500000		500000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.02	480800		500000	0	0	0	0	0	96%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751454	1103120-013ADUP	EPA_TO15-ug/	DUP	\I\DATA\031711\3/18/2011 3:41:0		40000	R39558		0	751453	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751454	1103120-013ADUP	EPA_TO15-ug/	DUP	\\I\DATA\031711\3/18/2011 3:41:0		40000	R39558		0	751453	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	0.94	0		0	0	127600	40000	40000	0	0%	0	0	200%	R
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
2-Butanone	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
2-Propanol	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Acetone	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Benzene	A	ppbv	1.55	62000		0	0	74800	40000	40000	0	0%	0	0	19%	
Benzyl chloride	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Chloromethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Cyclohexane	A	ppbv	2.9	116000		0	0	123200	40000	40000	0	0%	0	0	6%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Ethanol	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	0.8	0		0	0	0	40000	40000	0	0%	0	0	0%	
Heptane	A	ppbv	2.36	94400		0	0	96800	40000	40000	0	0%	0	0	3%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	1.73	0		0	0	0	80000	80000	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751454	1103120-013ADUP	EPA_TO15-ug/	DUP	\I\DATA\031711	3/18/2011 3:41:0	40000	R39558		0	751453	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methylene chloride	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
n-Hexane	A	ppbv	2.08	83200		0	0	88800	40000	40000	0	0%	0	0	7%	
Naphthalene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
o-Xylene	A	ppbv	0.73	0		0	0	0	40000	40000	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Propylene	A	ppbv	24.87	994800		0	0	2872000	40000	40000	0	0%	0	0	97%	R
Styrene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Toluene	A	ppbv	5.06	202400		0	0	196800	40000	40000	0	0%	0	0	3%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	40000	40000	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218240	218240	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	274600	274600	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	306560	306560	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218240	218240	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	161880	161880	0	0%	0	0	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158600	158600	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	296840	296840	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	196640	196640	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	307520	307520	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240480	240480	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	161880	161880	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	184840	184840	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	196640	196640	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	2.07928	0		0	0	282251.2	88480	88480	0	0%	0	0	200%	R
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240480	240480	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240480	240480	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	144160	144160	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751454	1103120-013ADUP	EPA_TO15-ug/	DUP	\\I\DATA\031711\3/18/2011 3:41:0		40000	R39558		0	751453	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2-Butanone-ug/m3	C	µg/m³	0	0		0	0	0	117960	117960	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	0	0		0	0	0	163880	163880	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	0	0		0	0	0	98320	98320	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	163920	163920	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	0	0		0	0	0	95000	95000	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	4.95225	198090		0	0	238986	127800	127800	0	0%	0	0	19%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	207080	207080	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	267960	267960	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	413480	413480	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	155320	155320	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	124560	124560	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	251640	251640	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	184160	184160	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	340760	340760	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	105520	105520	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	195320	195320	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	82600	82600	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158600	158600	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181560	181560	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	9.9818	399272		0	0	424054.4	137680	137680	0	0%	0	0	6%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	197800	197800	0	0%	0	0	0%	
Ethanol-ug/m3	C	µg/m³	0	0		0	0	0	75360	75360	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	144120	144120	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	3.4736	0		0	0	0	173680	173680	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	9.67364	386945.6		0	0	396783.2	163960	163960	0	0%	0	0	3%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	426600	426600	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	15.02332	0		0	0	0	694720	694720	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	0	0		0	0	0	138960	138960	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	7.332	293280		0	0	313020	141000	141000	0	0%	0	0	7%	
Naphthalene-ug/m3	C	µg/m³	0	0		0	0	0	209680	209680	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	3.16966	0		0	0	0	173680	173680	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	196640	196640	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	42.80127	1712050.8		0	0	4942712	68840	68840	0	0%	0	0	97%	R
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	170400	170400	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751454	1103120-013ADUP	EPA_TO15-ug/	DUP	\I\DATA\031711\3/18/2011 3:41:0		40000	R39558		0	751453	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
tert-Butyl methyl ether-ug/m3	C	µg/m³	0	0		0	0	0	144200	144200	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	271280	271280	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	0	0		0	0	0	117960	117960	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	19.07114	762845.6		0	0	741739.2	150760	150760	0	0%	0	0	3%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158600	158600	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181560	181560	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	214960	214960	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	224720	224720	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	140840	140840	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	102240	102240	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	500000		500000	0	500000	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	500000		500000	0	500000	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	500000		500000	0	500000	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12	480000		500000	0	480800	0	0	0	96%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751455	1103120-002A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\031711\3/18/2011 4:22:0		80000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751455	1103120-002A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\031711\3/18/2011 4:22:0		80000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,3-Butadiene	A	ppbv	0.5	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
2-Butanone	A	ppbv	3.34	267200		0	0	0	80000	80000	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
2-Propanol	A	ppbv	1.97	157600		0	0	0	80000	80000	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Acetone	A	ppbv	17.93	1434400		0	0	0	80000	80000	0	0%	0	0	0%	
Benzene	A	ppbv	6.58	526400		0	0	0	80000	80000	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Chloromethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Cyclohexane	A	ppbv	21.34	1707200		0	0	0	80000	80000	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Ethanol	A	ppbv	0.69	0		0	0	0	80000	80000	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	1.39	111200		0	0	0	80000	80000	0	0%	0	0	0%	
Heptane	A	ppbv	21.08	1686400		0	0	0	80000	80000	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	3.2	256000		0	0	0	160000	160000	0	0%	0	0	0%	
Methylene chloride	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
n-Hexane	A	ppbv	14.82	1185600		0	0	0	80000	80000	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751455	1103120-002A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\031711\3/18/2011 4:22:0		80000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Naphthalene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
o-Xylene	A	ppbv	1.2	96000		0	0	0	80000	80000	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0.54	0		0	0	0	80000	80000	0	0%	0	0	0%	
Propylene	A	ppbv	8.13	650400		0	0	0	80000	80000	0	0%	0	0	0%	
Styrene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Toluene	A	ppbv	17.88	1430400		0	0	0	80000	80000	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	436480	436480	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	549200	549200	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	613120	613120	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	436480	436480	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	323760	323760	0	0%	0	0	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	317200	317200	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	593680	593680	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	393280	393280	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	615040	615040	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	480960	480960	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	323760	323760	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	369680	369680	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	393280	393280	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	1.106	0		0	0	0	176960	176960	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	480960	480960	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	480960	480960	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	288320	288320	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	9.84966	787972.8		0	0	0	235920	235920	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751455	1103120-002A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\031711\3/18/2011 4:22:0		80000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2-Hexanone-ug/m3	C	µg/m³	0	0		0	0	0	327760	327760	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	4.84226	387380.8		0	0	0	196640	196640	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	327840	327840	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	42.58375	3406700		0	0	0	190000	190000	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	21.0231	1681848		0	0	0	255600	255600	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	414160	414160	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	535920	535920	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	826960	826960	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	310640	310640	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	249120	249120	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	503280	503280	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	368320	368320	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	681520	681520	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	211040	211040	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	390640	390640	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	165200	165200	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	317200	317200	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	363120	363120	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	73.45228	5876182.4		0	0	0	275360	275360	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	395600	395600	0	0%	0	0	0%	
Ethanol-ug/m3	C	µg/m³	1.29996	0		0	0	0	150720	150720	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	288240	288240	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	6.03538	482830.4		0	0	0	347360	347360	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	86.40692	6912553.6		0	0	0	327920	327920	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	853200	853200	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	27.7888	2223104		0	0	0	1389440	1389440	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	0	0		0	0	0	277920	277920	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	52.2405	4179240		0	0	0	282000	282000	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	0	0		0	0	0	419360	419360	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	5.2104	416832		0	0	0	347360	347360	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	2.65464	0		0	0	0	393280	393280	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	13.99173	1119338.4		0	0	0	137680	137680	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	340800	340800	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751455	1103120-002A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\031711\3/18/2011 4:22:0		80000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
tert-Butyl methyl ether-ug/m3	C	µg/m³	0	0		0	0	0	288400	288400	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	542560	542560	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	0	0		0	0	0	235920	235920	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	67.38972	5391177.6		0	0	0	301520	301520	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	317200	317200	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	363120	363120	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	429920	429920	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	449440	449440	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	281680	281680	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	204480	204480	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	1000000		1000000	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	1000000		1000000	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	1000000		1000000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.9	1032000		1000000	0	0	0	0	0	103%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751456	1103120-003A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\031711\3/18/2011 5:03:0		80000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751456	1103120-003A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\031711\3/18/2011 5:03:0		80000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,3,5-Trimethylbenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
2-Butanone	A	ppbv	3.2	256000		0	0	0	80000	80000	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
2-Propanol	A	ppbv	1.73	138400		0	0	0	80000	80000	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Acetone	A	ppbv	16.94	1355200		0	0	0	80000	80000	0	0%	0	0	0%	
Benzene	A	ppbv	6.12	489600		0	0	0	80000	80000	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Chloromethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Cyclohexane	A	ppbv	19.94	1595200		0	0	0	80000	80000	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Ethanol	A	ppbv	0.67	0		0	0	0	80000	80000	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	1.41	112800		0	0	0	80000	80000	0	0%	0	0	0%	
Heptane	A	ppbv	20.73	1658400		0	0	0	80000	80000	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	3.3	264000		0	0	0	160000	160000	0	0%	0	0	0%	
Methylene chloride	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751456	1103120-003A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\031711\3/18/2011 5:03:0		80000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
n-Hexane	A	ppbv	13.43	1074400		0	0	0	80000	80000	0	0%	0	0	0%	
Naphthalene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
o-Xylene	A	ppbv	1.22	97600		0	0	0	80000	80000	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0.53	0		0	0	0	80000	80000	0	0%	0	0	0%	
Propylene	A	ppbv	2.98	238400		0	0	0	80000	80000	0	0%	0	0	0%	
Styrene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Toluene	A	ppbv	18.32	1465600		0	0	0	80000	80000	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	436480	436480	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	549200	549200	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	613120	613120	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	436480	436480	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	323760	323760	0	0%	0	0	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	317200	317200	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	593680	593680	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	393280	393280	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	615040	615040	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	480960	480960	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	323760	323760	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	369680	369680	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	393280	393280	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	0	0		0	0	0	176960	176960	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	480960	480960	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	480960	480960	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	288320	288320	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751456	1103120-003A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\031711\3/18/2011 5:03:0		80000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2-Butanone-ug/m3	C	µg/m³	9.4368	754944		0	0	0	235920	235920	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	0	0		0	0	0	327760	327760	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	4.25234	340187.2		0	0	0	196640	196640	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	327840	327840	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	40.2325	3218600		0	0	0	190000	190000	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	19.5534	1564272		0	0	0	255600	255600	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	414160	414160	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	535920	535920	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	826960	826960	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	310640	310640	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	249120	249120	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	503280	503280	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	368320	368320	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	681520	681520	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	211040	211040	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	390640	390640	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	165200	165200	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	317200	317200	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	363120	363120	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	68.63348	5490678.4		0	0	0	275360	275360	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	395600	395600	0	0%	0	0	0%	
Ethanol-ug/m3	C	µg/m³	1.26228	0		0	0	0	150720	150720	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	288240	288240	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	6.12222	489777.6		0	0	0	347360	347360	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	84.97227	6797781.6		0	0	0	327920	327920	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	853200	853200	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	28.6572	2292576		0	0	0	1389440	1389440	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	0	0		0	0	0	277920	277920	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	47.34075	3787260		0	0	0	282000	282000	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	0	0		0	0	0	419360	419360	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	5.29724	423779.2		0	0	0	347360	347360	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	2.60548	0		0	0	0	393280	393280	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	5.12858	410286.4		0	0	0	137680	137680	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751456	1103120-003A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\031711\3/18/2011 5:03:0		80000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	340800	340800	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	0	0		0	0	0	288400	288400	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	542560	542560	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	0	0		0	0	0	235920	235920	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	69.04808	5523846.4		0	0	0	301520	301520	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	317200	317200	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	363120	363120	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	429920	429920	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	449440	449440	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	281680	281680	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	204480	204480	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	1000000		1000000	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	1000000		1000000	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	1000000		1000000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.72	1017600		1000000	0	0	0	0	0	102%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751457	1103120-009A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\031711\3/18/2011 8:38:0		80000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751457	1103120-009A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\031711\	3/18/2011 8:38:0	80000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	0.93	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
2-Butanone	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
2-Propanol	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Acetone	A	ppbv	2.04	163200		0	0	0	80000	80000	0	0%	0	0	0%	
Benzene	A	ppbv	8.48	678400		0	0	0	80000	80000	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Chloromethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Cyclohexane	A	ppbv	16.8	1344000		0	0	0	80000	80000	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Ethanol	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	0.83	0		0	0	0	80000	80000	0	0%	0	0	0%	
Heptane	A	ppbv	9.31	744800		0	0	0	80000	80000	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	1.67	0		0	0	0	160000	160000	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751457	1103120-009A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\031711\3/18/2011 8:38:0		80000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methylene chloride	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
n-Hexane	A	ppbv	16.67	1333600		0	0	0	80000	80000	0	0%	0	0	0%	
Naphthalene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
o-Xylene	A	ppbv	0.64	0		0	0	0	80000	80000	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Propylene	A	ppbv	15.32	1225600		0	0	0	80000	80000	0	0%	0	0	0%	
Styrene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Toluene	A	ppbv	12.22	977600		0	0	0	80000	80000	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	80000	80000	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	436480	436480	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	549200	549200	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	613120	613120	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	436480	436480	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	323760	323760	0	0%	0	0	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	317200	317200	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	593680	593680	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	393280	393280	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	615040	615040	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	480960	480960	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	323760	323760	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	369680	369680	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	393280	393280	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	2.05716	0		0	0	0	176960	176960	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	480960	480960	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	480960	480960	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751457	1103120-009A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\031711\3/18/2011 8:38:0		80000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	288320	288320	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	0	0		0	0	0	235920	235920	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	0	0		0	0	0	327760	327760	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	0	0		0	0	0	196640	196640	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	327840	327840	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	4.845	387600		0	0	0	190000	190000	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	27.0936	2167488		0	0	0	255600	255600	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	414160	414160	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	535920	535920	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	826960	826960	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	310640	310640	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	249120	249120	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	503280	503280	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	368320	368320	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	681520	681520	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	211040	211040	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	390640	390640	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	165200	165200	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	317200	317200	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	363120	363120	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	57.8256	4626048		0	0	0	275360	275360	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	395600	395600	0	0%	0	0	0%	
Ethanol-ug/m3	C	µg/m³	0	0		0	0	0	150720	150720	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	288240	288240	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	3.60386	0		0	0	0	347360	347360	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	38.16169	3052935.2		0	0	0	327920	327920	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	853200	853200	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	14.50228	0		0	0	0	1389440	1389440	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	0	0		0	0	0	277920	277920	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	58.76175	4700940		0	0	0	282000	282000	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	0	0		0	0	0	419360	419360	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	2.77888	0		0	0	0	347360	347360	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	393280	393280	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751457	1103120-009A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\031711\3/18/2011 8:38:0		80000	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Propylene-ug/m3	C	µg/m³	26.36572	2109257.6		0	0	0	137680	137680	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	340800	340800	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	0	0		0	0	0	288400	288400	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	542560	542560	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	0	0		0	0	0	235920	235920	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	46.05718	3684574.4		0	0	0	301520	301520	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	317200	317200	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	363120	363120	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	429920	429920	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	449440	449440	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	281680	281680	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	204480	204480	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	1000000		1000000	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	1000000		1000000	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	1000000		1000000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.61	1008800		1000000	0	0	0	0	0	101%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751459	1103120-004A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\031711\3/18/2011 10:00:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751459	1103120-004A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\031711\3/18/2011 10:00:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dichloroethane	A	ppbv	0.6	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	6.85	274		0	0	0	40	40	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
2-Butanone	A	ppbv	11.92	476.8		0	0	0	40	40	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
2-Propanol	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Acetone	A	ppbv	110.37	4414.8		0	0	0	40	40	0	0%	0	0	0%	
Benzene	A	ppbv	24.41	976.4		0	0	0	40	40	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromomethane	A	ppbv	1.95	78		0	0	0	40	40	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Cyclohexane	A	ppbv	39.01	1560.4		0	0	0	40	40	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Ethanol	A	ppbv	1.27	50.8		0	0	0	40	40	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	1.65	66		0	0	0	40	40	0	0%	0	0	0%	
Heptane	A	ppbv	36.72	1468.8		0	0	0	40	40	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751459	1103120-004A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\031711\3/18/2011 10:00:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
m,p-Xylene	A	ppbv	1.94	0		0	0	0	80	80	0	0%	0	0	0%	
Methylene chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
n-Hexane	A	ppbv	43.38	1735.2		0	0	0	40	40	0	0%	0	0	0%	
Naphthalene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
o-Xylene	A	ppbv	0.73	0		0	0	0	40	40	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Propylene	A	ppbv	114.72	4588.8		0	0	0	40	40	0	0%	0	0	0%	
Styrene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Toluene	A	ppbv	19.06	762.4		0	0	0	40	40	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218.24	218.24	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	274.6	274.6	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	306.56	306.56	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218.24	218.24	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	161.88	161.88	0	0%	0	0	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	296.84	296.84	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	196.64	196.64	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	307.52	307.52	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	2.4282	0		0	0	0	161.88	161.88	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	184.84	184.84	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	196.64	196.64	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	15.1522	606.088		0	0	0	88.48	88.48	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751459	1103120-004A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\031711\3/18/2011 10:00:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	144.16	144.16	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	35.15208	1406.0832		0	0	0	117.96	117.96	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	0	0		0	0	0	163.88	163.88	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	0	0		0	0	0	98.32	98.32	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	163.92	163.92	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	262.12875	10485.15		0	0	0	95	95	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	77.98995	3119.598		0	0	0	127.8	127.8	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	207.08	207.08	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	267.96	267.96	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	413.48	413.48	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	7.57185	302.874		0	0	0	155.32	155.32	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	124.56	124.56	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	251.64	251.64	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	184.16	184.16	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	340.76	340.76	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	105.52	105.52	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	195.32	195.32	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	82.6	82.6	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181.56	181.56	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	134.27242	5370.8968		0	0	0	137.68	137.68	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	197.8	197.8	0	0%	0	0	0%	
Ethanol-ug/m3	C	µg/m³	2.39268	95.7072		0	0	0	75.36	75.36	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	144.12	144.12	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	7.1643	286.572		0	0	0	173.68	173.68	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	150.51528	6020.6112		0	0	0	163.96	163.96	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	426.6	426.6	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	16.84696	0		0	0	0	694.72	694.72	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	0	0		0	0	0	138.96	138.96	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	152.9145	6116.58		0	0	0	141	141	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	0	0		0	0	0	209.68	209.68	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	3.16966	0		0	0	0	173.68	173.68	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751459	1103120-004A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\031711\3/18/2011 10:00:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	196.64	196.64	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	197.43312	7897.3248		0	0	0	68.84	68.84	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	170.4	170.4	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	0	0		0	0	0	144.2	144.2	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	271.28	271.28	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	0	0		0	0	0	117.96	117.96	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	71.83714	2873.4856		0	0	0	150.76	150.76	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181.56	181.56	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	214.96	214.96	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	224.72	224.72	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	140.84	140.84	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	102.24	102.24	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.51	500.4		500	0	0	0	0	0	100%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751460	1103120-005A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\031711\3/18/2011 10:40:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751460	1103120-005A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\I\DATA\031711\3/18/2011 10:40:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	6.94	277.6		0	0	0	40	40	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
2-Butanone	A	ppbv	8.35	334		0	0	0	40	40	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
2-Propanol	A	ppbv	0.53	0		0	0	0	40	40	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Acetone	A	ppbv	102.62	4104.8		0	0	0	40	40	0	0%	0	0	0%	
Benzene	A	ppbv	17.16	686.4		0	0	0	40	40	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromomethane	A	ppbv	1.82	72.8		0	0	0	40	40	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Cyclohexane	A	ppbv	38.74	1549.6		0	0	0	40	40	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Ethanol	A	ppbv	1.17	46.8		0	0	0	40	40	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	1.43	57.2		0	0	0	40	40	0	0%	0	0	0%	
Heptane	A	ppbv	42.21	1688.4		0	0	0	40	40	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751460	1103120-005A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\031711\3/18/2011 10:40:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	1.66	0		0	0	0	80	80	0	0%	0	0	0%	
Methylene chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
n-Hexane	A	ppbv	47.36	1894.4		0	0	0	40	40	0	0%	0	0	0%	
Naphthalene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
o-Xylene	A	ppbv	0.61	0		0	0	0	40	40	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Propylene	A	ppbv	132.05	5282		0	0	0	40	40	0	0%	0	0	0%	
Styrene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Toluene	A	ppbv	14.53	581.2		0	0	0	40	40	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218.24	218.24	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	274.6	274.6	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	306.56	306.56	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218.24	218.24	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	161.88	161.88	0	0%	0	0	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	296.84	296.84	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	196.64	196.64	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	307.52	307.52	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	161.88	161.88	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	184.84	184.84	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	196.64	196.64	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	15.35128	614.0512		0	0	0	88.48	88.48	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751460	1103120-005A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\031711\3/18/2011 10:40:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	144.16	144.16	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	24.62415	984.966		0	0	0	117.96	117.96	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	0	0		0	0	0	163.88	163.88	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	1.30274	0		0	0	0	98.32	98.32	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	163.92	163.92	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	243.7225	9748.9		0	0	0	95	95	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	54.8262	2193.048		0	0	0	127.8	127.8	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	207.08	207.08	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	267.96	267.96	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	413.48	413.48	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	7.06706	282.6824		0	0	0	155.32	155.32	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	124.56	124.56	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	251.64	251.64	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	184.16	184.16	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	340.76	340.76	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	105.52	105.52	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	195.32	195.32	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	82.6	82.6	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181.56	181.56	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	133.34308	5333.7232		0	0	0	137.68	137.68	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	197.8	197.8	0	0%	0	0	0%	
Ethanol-ug/m3	C	µg/m³	2.20428	88.1712		0	0	0	75.36	75.36	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	144.12	144.12	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	6.20906	248.3624		0	0	0	173.68	173.68	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	173.01879	6920.7516		0	0	0	163.96	163.96	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	426.6	426.6	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	14.41544	0		0	0	0	694.72	694.72	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	0	0		0	0	0	138.96	138.96	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	166.944	6677.76		0	0	0	141	141	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	0	0		0	0	0	209.68	209.68	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751460	1103120-005A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\031711\3/18/2011 10:40:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
o-Xylene-ug/m3	C	µg/m³	2.64862	0		0	0	0	173.68	173.68	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	196.64	196.64	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	227.25805	9090.322		0	0	0	68.84	68.84	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	170.4	170.4	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	0	0		0	0	0	144.2	144.2	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	271.28	271.28	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	0	0		0	0	0	117.96	117.96	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	54.76357	2190.5428		0	0	0	150.76	150.76	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181.56	181.56	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	214.96	214.96	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	224.72	224.72	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	140.84	140.84	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	102.24	102.24	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	11.73	469.2		500	0	0	0	0	0	94%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751461	1103120-006A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\031711\3/18/2011 11:21:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	16.35	654		0	0	0	40	40	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751461	1103120-006A (Container-01 of 01)	EPA_TO15-ug/	SAMP	.\1\DATA\031711\3/18/2011 11:21:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	6.99	279.6		0	0	0	40	40	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
2-Butanone	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
2-Propanol	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Acetone	A	ppbv	1.59	63.6		0	0	0	40	40	0	0%	0	0	0%	
Benzene	A	ppbv	7.17	286.8		0	0	0	40	40	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Cyclohexane	A	ppbv	16.4	656		0	0	0	40	40	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Ethanol	A	ppbv	0.79	0		0	0	0	40	40	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	17.77	710.8		0	0	0	40	40	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751461	1103120-006A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\031711\3/18/2011 11:21:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Heptane	A	ppbv	12.05	482		0	0	0	40	40	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	49.6	1984		0	0	0	80	80	0	0%	0	0	0%	
Methylene chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
n-Hexane	A	ppbv	5.52	220.8		0	0	0	40	40	0	0%	0	0	0%	
Naphthalene	A	ppbv	1.04	41.6		0	0	0	40	40	0	0%	0	0	0%	
o-Xylene	A	ppbv	21.19	847.6		0	0	0	40	40	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	9.34	373.6		0	0	0	40	40	0	0%	0	0	0%	
Propylene	A	ppbv	136.31	5452.4		0	0	0	40	40	0	0%	0	0	0%	
Styrene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Toluene	A	ppbv	41.11	1644.4		0	0	0	40	40	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218.24	218.24	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	274.6	274.6	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	306.56	306.56	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218.24	218.24	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	161.88	161.88	0	0%	0	0	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	296.84	296.84	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	80.3766	3215.064		0	0	0	196.64	196.64	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	307.52	307.52	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	161.88	161.88	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	184.84	184.84	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	34.36284	1374.5136		0	0	0	196.64	196.64	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751461	1103120-006A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\031711	3/18/2011 11:21:	40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,3-Butadiene-ug/m3	C	µg/m³	0	0		0	0	0	88.48	88.48	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	144.16	144.16	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	0	0		0	0	0	117.96	117.96	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	0	0		0	0	0	163.88	163.88	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	0	0		0	0	0	98.32	98.32	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	163.92	163.92	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	3.77625	151.05		0	0	0	95	95	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	22.90815	916.326		0	0	0	127.8	127.8	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	207.08	207.08	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	267.96	267.96	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	413.48	413.48	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	155.32	155.32	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	124.56	124.56	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	251.64	251.64	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	184.16	184.16	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	340.76	340.76	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	105.52	105.52	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	195.32	195.32	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	82.6	82.6	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181.56	181.56	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	56.4488	2257.952		0	0	0	137.68	137.68	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	197.8	197.8	0	0%	0	0	0%	
Ethanol-ug/m3	C	µg/m³	1.48836	0		0	0	0	75.36	75.36	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	144.12	144.12	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	77.15734	3086.2936		0	0	0	173.68	173.68	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	49.39295	1975.718		0	0	0	163.96	163.96	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	426.6	426.6	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	430.7264	17229.056		0	0	0	694.72	694.72	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	0	0		0	0	0	138.96	138.96	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	19.458	778.32		0	0	0	141	141	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751461	1103120-006A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\031711\3/18/2011 11:21:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Naphthalene-ug/m3	C	µg/m³	5.45168	218.0672		0	0	0	209.68	209.68	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	92.00698	3680.2792		0	0	0	173.68	173.68	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	45.91544	1836.6176		0	0	0	196.64	196.64	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	234.58951	9383.5804		0	0	0	68.84	68.84	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	170.4	170.4	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	0	0		0	0	0	144.2	144.2	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	271.28	271.28	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	0	0		0	0	0	117.96	117.96	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	154.94359	6197.7436		0	0	0	150.76	150.76	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181.56	181.56	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	214.96	214.96	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	224.72	224.72	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	140.84	140.84	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	102.24	102.24	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	19.49	779.6		500	0	0	0	0	0	156%	70	130	0%	S

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751462	1103120-007A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\031711\3/18/2011 12:01:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751462	1103120-007A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\I\DATA\031711\3/18/2011 12:01:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trimethylbenzene	A	ppbv	16.02	640.8		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	6.57	262.8		0	0	0	40	40	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	7.4	296		0	0	0	40	40	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
2-Butanone	A	ppbv	0.68	0		0	0	0	40	40	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
2-Propanol	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Acetone	A	ppbv	6.53	261.2		0	0	0	40	40	0	0%	0	0	0%	
Benzene	A	ppbv	8.12	324.8		0	0	0	40	40	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Cyclohexane	A	ppbv	9.56	382.4		0	0	0	40	40	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Ethanol	A	ppbv	1.23	49.2		0	0	0	40	40	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751462	1103120-007A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\031711\3/18/2011 12:01:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethylbenzene	A	ppbv	19.5	780		0	0	0	40	40	0	0%	0	0	0%	
Heptane	A	ppbv	10.5	420		0	0	0	40	40	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	52.18	2087.2		0	0	0	80	80	0	0%	0	0	0%	
Methylene chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
n-Hexane	A	ppbv	4.3	172		0	0	0	40	40	0	0%	0	0	0%	
Naphthalene	A	ppbv	0.74	0		0	0	0	40	40	0	0%	0	0	0%	
o-Xylene	A	ppbv	22.12	884.8		0	0	0	40	40	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	10.28	411.2		0	0	0	40	40	0	0%	0	0	0%	
Propylene	A	ppbv	199.31	7972.4		0	0	0	40	40	0	0%	0	0	0%	
Styrene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Toluene	A	ppbv	44.52	1780.8		0	0	0	40	40	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218.24	218.24	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	274.6	274.6	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	306.56	306.56	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218.24	218.24	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	161.88	161.88	0	0%	0	0	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	296.84	296.84	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	78.75432	3150.1728		0	0	0	196.64	196.64	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	307.52	307.52	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	161.88	161.88	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	184.84	184.84	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751462	1103120-007A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\I\DATA\031711\3/18/2011 12:01:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	32.29812	1291.9248		0	0	0	196.64	196.64	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	16.3688	654.752		0	0	0	88.48	88.48	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	144.16	144.16	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	2.00532	0		0	0	0	117.96	117.96	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	0	0		0	0	0	163.88	163.88	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	0	0		0	0	0	98.32	98.32	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	163.92	163.92	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	15.50875	620.35		0	0	0	95	95	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	25.9434	1037.736		0	0	0	127.8	127.8	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	207.08	207.08	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	267.96	267.96	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	413.48	413.48	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	155.32	155.32	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	124.56	124.56	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	251.64	251.64	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	184.16	184.16	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	340.76	340.76	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	105.52	105.52	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	195.32	195.32	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	82.6	82.6	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181.56	181.56	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	32.90552	1316.2208		0	0	0	137.68	137.68	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	197.8	197.8	0	0%	0	0	0%	
Ethanol-ug/m3	C	µg/m³	2.31732	92.6928		0	0	0	75.36	75.36	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	144.12	144.12	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	84.669	3386.76		0	0	0	173.68	173.68	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	43.0395	1721.58		0	0	0	163.96	163.96	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	426.6	426.6	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	453.13112	18125.2448		0	0	0	694.72	694.72	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	0	0		0	0	0	138.96	138.96	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751462	1103120-007A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\031711\3/18/2011 12:01:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
n-Hexane-ug/m3	C	µg/m³	15.1575	606.3		0	0	0	141	141	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	3.87908	0		0	0	0	209.68	209.68	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	96.04504	3841.8016		0	0	0	173.68	173.68	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	50.53648	2021.4592		0	0	0	196.64	196.64	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	343.01251	13720.5004		0	0	0	68.84	68.84	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	170.4	170.4	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	0	0		0	0	0	144.2	144.2	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	271.28	271.28	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	0	0		0	0	0	117.96	117.96	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	167.79588	6711.8352		0	0	0	150.76	150.76	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181.56	181.56	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	214.96	214.96	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	224.72	224.72	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	140.84	140.84	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	102.24	102.24	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	17.87	714.8		500	0	0	0	0	0	143%	70	130	0%	S

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751463	1103120-008A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\031711\3/18/2011 12:42:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751463	1103120-008A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\I\DATA\031711\3/18/2011 12:42:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	9.31	372.4		0	0	0	40	40	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
2-Butanone	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
2-Propanol	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Acetone	A	ppbv	7.92	316.8		0	0	0	40	40	0	0%	0	0	0%	
Benzene	A	ppbv	51.87	2074.8		0	0	0	40	40	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Cyclohexane	A	ppbv	19.49	779.6		0	0	0	40	40	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Ethanol	A	ppbv	0.52	0		0	0	0	40	40	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751463	1103120-008A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\031711	3/18/2011 12:42:	40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethyl acetate	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	0.73	0		0	0	0	40	40	0	0%	0	0	0%	
Heptane	A	ppbv	14.49	579.6		0	0	0	40	40	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	2.57	102.8		0	0	0	80	80	0	0%	0	0	0%	
Methylene chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
n-Hexane	A	ppbv	8.84	353.6		0	0	0	40	40	0	0%	0	0	0%	
Naphthalene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
o-Xylene	A	ppbv	1.12	44.8		0	0	0	40	40	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Propylene	A	ppbv	203.75	8150		0	0	0	40	40	0	0%	0	0	0%	
Styrene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Toluene	A	ppbv	8.61	344.4		0	0	0	40	40	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218.24	218.24	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	274.6	274.6	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	306.56	306.56	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218.24	218.24	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	161.88	161.88	0	0%	0	0	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	296.84	296.84	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	196.64	196.64	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	307.52	307.52	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	161.88	161.88	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751463	1103120-008A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\031711\3/18/2011 12:42:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	184.84	184.84	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	196.64	196.64	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	20.59372	823.7488		0	0	0	88.48	88.48	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	144.16	144.16	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	0	0		0	0	0	117.96	117.96	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	0	0		0	0	0	163.88	163.88	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	0	0		0	0	0	98.32	98.32	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	163.92	163.92	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	18.81	752.4		0	0	0	95	95	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	165.72465	6628.986		0	0	0	127.8	127.8	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	207.08	207.08	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	267.96	267.96	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	413.48	413.48	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	155.32	155.32	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	124.56	124.56	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	251.64	251.64	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	184.16	184.16	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	340.76	340.76	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	105.52	105.52	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	195.32	195.32	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	82.6	82.6	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181.56	181.56	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	67.08458	2683.3832		0	0	0	137.68	137.68	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	197.8	197.8	0	0%	0	0	0%	
Ethanol-ug/m3	C	µg/m³	0.97968	0		0	0	0	75.36	75.36	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	144.12	144.12	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	3.16966	0		0	0	0	173.68	173.68	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	59.39451	2375.7804		0	0	0	163.96	163.96	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	426.6	426.6	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	22.31788	892.7152		0	0	0	694.72	694.72	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751463	1103120-008A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\I\DATA\031711\3/18/2011 12:42:		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methylene chloride-ug/m3	C	µg/m³	0	0		0	0	0	138.96	138.96	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	31.161	1246.44		0	0	0	141	141	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	0	0		0	0	0	209.68	209.68	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	4.86304	194.5216		0	0	0	173.68	173.68	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	196.64	196.64	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	350.65375	14026.15		0	0	0	68.84	68.84	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	170.4	170.4	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	0	0		0	0	0	144.2	144.2	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	271.28	271.28	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	0	0		0	0	0	117.96	117.96	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	32.45109	1298.0436		0	0	0	150.76	150.76	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181.56	181.56	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	214.96	214.96	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	224.72	224.72	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	140.84	140.84	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	102.24	102.24	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	14.88	595.2		500	0	0	0	0	0	119%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751464	1103120-010A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\I\DATA\031711\3/18/2011 1:23:0		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751464	1103120-010A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\I\DATA\031711\3/18/2011 1:23:0		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	1.74	69.6		0	0	0	40	40	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
2-Butanone	A	ppbv	0.63	0		0	0	0	40	40	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
2-Propanol	A	ppbv	1.25	50		0	0	0	40	40	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Acetone	A	ppbv	4.2	168		0	0	0	40	40	0	0%	0	0	0%	
Benzene	A	ppbv	4.62	184.8		0	0	0	40	40	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Cyclohexane	A	ppbv	2.02	80.8		0	0	0	40	40	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751464	1103120-010A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\031711\3/18/2011 1:23:0		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethanol	A	ppbv	1.39	55.6		0	0	0	40	40	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	0.53	0		0	0	0	40	40	0	0%	0	0	0%	
Heptane	A	ppbv	1.79	71.6		0	0	0	40	40	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	0.85	0		0	0	0	80	80	0	0%	0	0	0%	
Methylene chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
n-Hexane	A	ppbv	1.94	77.6		0	0	0	40	40	0	0%	0	0	0%	
Naphthalene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
o-Xylene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Propylene	A	ppbv	15.41	616.4		0	0	0	40	40	0	0%	0	0	0%	
Styrene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Toluene	A	ppbv	2.94	117.6		0	0	0	40	40	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218.24	218.24	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	274.6	274.6	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	306.56	306.56	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218.24	218.24	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	161.88	161.88	0	0%	0	0	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	296.84	296.84	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	196.64	196.64	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	307.52	307.52	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751464	1103120-010A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\031711\3/18/2011 1:23:0		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	161.88	161.88	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	184.84	184.84	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	196.64	196.64	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	3.84888	153.9552		0	0	0	88.48	88.48	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	144.16	144.16	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	1.85787	0		0	0	0	117.96	117.96	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	0	0		0	0	0	163.88	163.88	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	3.0725	122.9		0	0	0	98.32	98.32	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	163.92	163.92	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	9.975	399		0	0	0	95	95	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	14.7609	590.436		0	0	0	127.8	127.8	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	207.08	207.08	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	267.96	267.96	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	413.48	413.48	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	155.32	155.32	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	124.56	124.56	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	251.64	251.64	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	184.16	184.16	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	340.76	340.76	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	105.52	105.52	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	195.32	195.32	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	82.6	82.6	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181.56	181.56	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	6.95284	278.1136		0	0	0	137.68	137.68	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	197.8	197.8	0	0%	0	0	0%	
Ethanol-ug/m3	C	µg/m³	2.61876	104.7504		0	0	0	75.36	75.36	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	144.12	144.12	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	2.30126	0		0	0	0	173.68	173.68	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	7.33721	293.4884		0	0	0	163.96	163.96	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	426.6	426.6	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751464	1103120-010A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\031711\3/18/2011 1:23:0		40	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
m,p-Xylene-ug/m3	C	µg/m³	7.3814	0		0	0	0	694.72	694.72	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	0	0		0	0	0	138.96	138.96	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	6.8385	273.54		0	0	0	141	141	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	0	0		0	0	0	209.68	209.68	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	0	0		0	0	0	173.68	173.68	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	196.64	196.64	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	26.52061	1060.8244		0	0	0	68.84	68.84	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	170.4	170.4	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	0	0		0	0	0	144.2	144.2	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	271.28	271.28	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	0	0		0	0	0	117.96	117.96	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	11.08086	443.2344		0	0	0	150.76	150.76	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181.56	181.56	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	214.96	214.96	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	224.72	224.72	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	140.84	140.84	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	102.24	102.24	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.83	513.2		500	0	0	0	0	0	103%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751008	TO15 RLVS 20cc v	EPA_TO15-ug/	RLVS	\1\DATA\031711\3/18/2011 2:04:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	1.19	1.19		0.96	0	0	1	1	0	124%	70	130	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	1.17	1.17		1	0	0	1	1	0	117%	70	130	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	1.16	1.16		0.98	0	0	1	1	0	118%	70	130	0%	
1,1,2-Trichloroethane	A	ppbv	1.2	1.2		0.98	0	0	1	1	0	122%	70	130	0%	
1,1-Dichloroethane	A	ppbv	1.19	1.19		0.97	0	0	1	1	0	123%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751008	TO15 RLVS 20cc v	EPA_TO15-ug/	RLVS	\\1\DATA\031711\	3/18/2011 2:04:0	1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1-Dichloroethene	A	ppbv	1.16	1.16		0.99	0	0	1	1	0	117%	70	130	0%	
1,2,4-Trichlorobenzene	A	ppbv	0.67	0.67		0.91	0	0	1	1	0	74%	70	130	0%	
1,2,4-Trimethylbenzene	A	ppbv	1.23	1.23		0.98	0	0	1	1	0	126%	70	130	0%	
1,2-Dibromoethane	A	ppbv	1.18	1.18		0.96	0	0	1	1	0	123%	70	130	0%	
1,2-Dichlorobenzene	A	ppbv	1.19	1.19		0.97	0	0	1	1	0	123%	70	130	0%	
1,2-Dichloroethane	A	ppbv	1.29	1.29		0.97	0	0	1	1	0	133%	70	130	0%	S
1,2-Dichloropropane	A	ppbv	1.2	1.2		0.98	0	0	1	1	0	122%	70	130	0%	
1,3,5-Trimethylbenzene	A	ppbv	1.41	1.41		0.97	0	0	1	1	0	145%	70	130	0%	S
1,3-Butadiene	A	ppbv	1.32	1.32		0.98	0	0	1	1	0	135%	70	130	0%	S
1,3-Dichlorobenzene	A	ppbv	1.21	1.21		0.97	0	0	1	1	0	125%	70	130	0%	
1,4-Dichlorobenzene	A	ppbv	1.2	1.2		0.96	0	0	1	1	0	125%	70	130	0%	
1,4-Dioxane	A	ppbv	0.99	0.99		0.96	0	0	1	1	0	103%	70	130	0%	
2-Butanone	A	ppbv	1.28	1.28		0.99	0	0	1	1	0	129%	70	130	0%	
2-Hexanone	A	ppbv	0.97	0.97		0.98	0	0	1	1	0	99%	70	130	0%	
2-Propanol	A	ppbv	0.9	0.9		1.01	0	0	1	1	0	89%	70	130	0%	
4-Methyl-2-pentanone	A	ppbv	1.01	1.01		1	0	0	1	1	0	101%	70	130	0%	
Acetone	A	ppbv	1.3	1.3		1	0	0	1	1	0	130%	70	130	0%	B
Benzene	A	ppbv	1.43	1.43		0.96	0	0	1	1	0	149%	70	130	0%	S
Benzyl chloride	A	ppbv	1.18	1.18		0.97	0	0	1	1	0	122%	70	130	0%	
Bromodichloromethane	A	ppbv	1.15	1.15		0.96	0	0	1	1	0	120%	70	130	0%	
Bromoform	A	ppbv	1.14	1.14		0.96	0	0	1	1	0	119%	70	130	0%	
Bromomethane	A	ppbv	1.12	1.12		0.93	0	0	1	1	0	120%	70	130	0%	
Carbon disulfide	A	ppbv	1.16	1.16		0.97	0	0	1	1	0	120%	70	130	0%	
Carbon tetrachloride	A	ppbv	1.17	1.17		0.95	0	0	1	1	0	123%	70	130	0%	
Chlorobenzene	A	ppbv	1.25	1.25		0.99	0	0	1	1	0	126%	70	130	0%	
Chlorodibromomethane	A	ppbv	1.16	1.16		0.92	0	0	1	1	0	126%	70	130	0%	
Chloroethane	A	ppbv	1.05	1.05		0.98	0	0	1	1	0	107%	70	130	0%	
Chloroform	A	ppbv	1.2	1.2		0.94	0	0	1	1	0	128%	70	130	0%	
Chloromethane	A	ppbv	1.03	1.03		0.98	0	0	1	1	0	105%	70	130	0%	
cis-1,2-Dichloroethene	A	ppbv	1.2	1.2		0.98	0	0	1	1	0	122%	70	130	0%	
cis-1,3-dichloropropene	A	ppbv	1.13	1.13		0.95	0	0	1	1	0	119%	70	130	0%	
Cyclohexane	A	ppbv	1.32	1.32		0.98	0	0	1	1	0	135%	70	130	0%	BS
Dichlorodifluoromethane	A	ppbv	1.09	1.09		0.92	0	0	1	1	0	118%	70	130	0%	
Ethanol	A	ppbv	0.85	0.85		0.92	0	0	1	1	0	92%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751008	TO15 RLVS 20cc v	EPA_TO15-ug/	RLVS	\1\DATA\031711\3/18/2011 2:04:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethyl acetate	A	ppbv	1.14	1.14		0.98	0	0	1	1	0	116%	70	130	0%	
Ethylbenzene	A	ppbv	1.38	1.38		0.98	0	0	1	1	0	141%	70	130	0%	S
Heptane	A	ppbv	1.29	1.29		0.99	0	0	1	1	0	130%	70	130	0%	BS
Hexachlorobutadiene	A	ppbv	1.24	1.24		0.94	0	0	1	1	0	132%	70	130	0%	S
m,p-Xylene	A	ppbv	2.64	2.64		1.92	0	0	2	2	0	138%	70	130	0%	S
Methylene chloride	A	ppbv	1.23	1.23		1	0	0	1	1	0	123%	70	130	0%	B
n-Hexane	A	ppbv	1.36	1.36		1.01	0	0	1	1	0	135%	70	130	0%	BS
Naphthalene	A	ppbv	0.74	0.74		1	0	0	1	1	0	74%	70	130	0%	
o-Xylene	A	ppbv	1.4	1.4		1.02	0	0	1	1	0	137%	70	130	0%	S
p-Ethyltoluene	A	ppbv	1.36	1.36		0.98	0	0	1	1	0	139%	70	130	0%	S
Propylene	A	ppbv	2.06	2.06		0.99	0	0	1	1	0	208%	70	130	0%	BS
Styrene	A	ppbv	1.18	1.18		0.96	0	0	1	1	0	123%	70	130	0%	
tert-Butyl Methyl Ether	A	ppbv	1.46	1.46		1	0	0	1	1	0	146%	70	130	0%	S
Tetrachloroethene	A	ppbv	1.21	1.21		0.98	0	0	1	1	0	123%	70	130	0%	
Tetrahydrofuran	A	ppbv	1.07	1.07		0.98	0	0	1	1	0	109%	70	130	0%	
Toluene	A	ppbv	1.39	1.39		0.91	0	0	1	1	0	153%	70	130	0%	BS
trans-1,2-Dichloroethene	A	ppbv	1.18	1.18		0.96	0	0	1	1	0	123%	70	130	0%	
trans-1,3-dichloropropene	A	ppbv	1.05	1.05		0.96	0	0	1	1	0	109%	70	130	0%	
Trichloroethene	A	ppbv	1.17	1.17		0.99	0	0	1	1	0	118%	70	130	0%	
Trichlorofluoromethane	A	ppbv	1.13	1.13		0.94	0	0	1	1	0	120%	70	130	0%	
Vinyl acetate	A	ppbv	1.27	1.27		0.99	0	0	1	1	0	128%	70	130	0%	
Vinyl chloride	A	ppbv	0.95	0.95		0.94	0	0	1	1	0	101%	70	130	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	6.49264	6.49264		5.23776	0	0	2.73	2.73	0	124%	70	130	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	8.03205	8.03205		6.865	0	0	3.43	3.43	0	117%	70	130	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	8.89024	8.89024		7.51072	0	0	3.83	3.83	0	118%	70	130	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	6.5472	6.5472		5.34688	0	0	2.73	2.73	0	122%	70	130	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	4.81593	4.81593		3.92559	0	0	2.02	2.02	0	123%	70	130	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	4.5994	4.5994		3.92535	0	0	1.98	1.98	0	117%	70	130	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	4.97207	4.97207		6.75311	0	0	3.71	3.71	0	74%	70	130	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	6.04668	6.04668		4.81768	0	0	2.46	2.46	0	126%	70	130	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	9.07184	9.07184		7.38048	0	0	3.84	3.84	0	123%	70	130	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	7.15428	7.15428		5.83164	0	0	3.01	3.01	0	123%	70	130	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	5.22063	5.22063		3.92559	0	0	2.02	2.02	0	133%	70	130	0%	S
1,2-Dichloropropane-ug/m3	C	µg/m³	5.5452	5.5452		4.52858	0	0	2.31	2.31	0	122%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751008	TO15 RLVS 20cc v	EPA_TO15-ug/	RLVS	\I\DATA\031711\3/18/2011 2:04:0		1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	6.93156	6.93156		4.76852	0	0	2.46	2.46	0	145%	70	130	0%	S
1,3-Butadiene-ug/m3	C	µg/m³	2.91984	2.91984		2.16776	0	0	1.11	1.11	0	135%	70	130	0%	S
1,3-Dichlorobenzene-ug/m3	C	µg/m³	7.27452	7.27452		5.83164	0	0	3.01	3.01	0	125%	70	130	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	7.2144	7.2144		5.77152	0	0	3.01	3.01	0	125%	70	130	0%	
1,4-Dioxane-ug/m3	C	µg/m³	3.56796	3.56796		3.45984	0	0	1.8	1.8	0	103%	70	130	0%	
2-Butanone-ug/m3	C	µg/m³	3.77472	3.77472		2.91951	0	0	1.47	1.47	0	129%	70	130	0%	
2-Hexanone-ug/m3	C	µg/m³	3.97409	3.97409		4.01506	0	0	2.05	2.05	0	99%	70	130	0%	
2-Propanol-ug/m3	C	µg/m³	2.2122	2.2122		2.48258	0	0	1.23	1.23	0	89%	70	130	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	4.13898	4.13898		4.098	0	0	2.05	2.05	0	101%	70	130	0%	
Acetone-ug/m3	C	µg/m³	3.0875	3.0875		2.375	0	0	1.19	1.19	0	130%	70	130	0%	B
Benzene-ug/m3	C	µg/m³	4.56885	4.56885		3.0672	0	0	1.6	1.6	0	149%	70	130	0%	S
Benzyl chloride-ug/m3	C	µg/m³	6.10886	6.10886		5.02169	0	0	2.59	2.59	0	122%	70	130	0%	
Bromodichloromethane-ug/m3	C	µg/m³	7.70385	7.70385		6.43104	0	0	3.35	3.35	0	120%	70	130	0%	
Bromoform-ug/m3	C	µg/m³	11.78418	11.78418		9.92352	0	0	5.17	5.17	0	119%	70	130	0%	
Bromomethane-ug/m3	C	µg/m³	4.34896	4.34896		3.61119	0	0	1.94	1.94	0	120%	70	130	0%	
Carbon disulfide-ug/m3	C	µg/m³	3.61224	3.61224		3.02058	0	0	1.56	1.56	0	120%	70	130	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	7.36047	7.36047		5.97645	0	0	3.15	3.15	0	123%	70	130	0%	
Chlorobenzene-ug/m3	C	µg/m³	5.755	5.755		4.55796	0	0	2.3	2.3	0	126%	70	130	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	9.88204	9.88204		7.83748	0	0	4.26	4.26	0	126%	70	130	0%	
Chloroethane-ug/m3	C	µg/m³	2.7699	2.7699		2.58524	0	0	1.32	1.32	0	107%	70	130	0%	
Chloroform-ug/m3	C	µg/m³	5.8596	5.8596		4.59002	0	0	2.44	2.44	0	128%	70	130	0%	
Chloromethane-ug/m3	C	µg/m³	2.12695	2.12695		2.0237	0	0	1.03	1.03	0	105%	70	130	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	4.758	4.758		3.8857	0	0	1.98	1.98	0	122%	70	130	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	5.12907	5.12907		4.31205	0	0	2.27	2.27	0	119%	70	130	0%	
Cyclohexane-ug/m3	C	µg/m³	4.54344	4.54344		3.37316	0	0	1.72	1.72	0	135%	70	130	0%	BS
Dichlorodifluoromethane-ug/m3	C	µg/m³	5.39005	5.39005		4.5494	0	0	2.47	2.47	0	118%	70	130	0%	
Ethanol-ug/m3	C	µg/m³	1.6014	1.6014		1.73328	0	0	0.94	0.94	0	92%	70	130	0%	B
Ethyl acetate-ug/m3	C	µg/m³	4.10742	4.10742		3.53094	0	0	1.8	1.8	0	116%	70	130	0%	
Ethyl benzene-ug/m3	C	µg/m³	5.99196	5.99196		4.25516	0	0	2.17	2.17	0	141%	70	130	0%	S
Heptane-ug/m3	C	µg/m³	5.28771	5.28771		4.05801	0	0	2.05	2.05	0	130%	70	130	0%	BS
Hexachlorobutadiene-ug/m3	C	µg/m³	13.2246	13.2246		10.0251	0	0	5.33	5.33	0	132%	70	130	0%	S
m,p-Xylene-ug/m3	C	µg/m³	22.92576	22.92576		16.67328	0	0	4.34	4.34	0	138%	70	130	0%	S
Methylene chloride-ug/m3	C	µg/m³	4.27302	4.27302		3.474	0	0	1.74	1.74	0	123%	70	130	0%	B
n-Hexane-ug/m3	C	µg/m³	4.794	4.794		3.56025	0	0	1.76	1.76	0	135%	70	130	0%	BS

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751008	TO15 RLVS 20cc v	EPA_TO15-ug/	RLVS	\1\DATA\031711\	3/18/2011 2:04:0	1	R39558		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Naphthalene-ug/m3	C	µg/m³	3.87908	3.87908		5.242	0	0	2.62	2.62	0	74%	70	130	0%	B
o-Xylene-ug/m3	C	µg/m³	6.0788	6.0788		4.42884	0	0	2.17	2.17	0	137%	70	130	0%	S
p-Ethyltoluene-ug/m3	C	µg/m³	6.68576	6.68576		4.81768	0	0	2.46	2.46	0	139%	70	130	0%	S
Propylene-ug/m3	C	µg/m³	3.54526	3.54526		1.70379	0	0	0.86	0.86	0	208%	70	130	0%	BS
Styrene-ug/m3	C	µg/m³	5.0268	5.0268		4.0896	0	0	2.13	2.13	0	123%	70	130	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	5.2633	5.2633		3.605	0	0	1.8	1.8	0	146%	70	130	0%	S
Tetrachloroethene-ug/m3	C	µg/m³	8.20622	8.20622		6.64636	0	0	3.39	3.39	0	123%	70	130	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	3.15543	3.15543		2.89002	0	0	1.47	1.47	0	109%	70	130	0%	
Toluene-ug/m3	C	µg/m³	5.23891	5.23891		3.42979	0	0	1.88	1.88	0	153%	70	130	0%	BS
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	4.6787	4.6787		3.8064	0	0	1.98	1.98	0	123%	70	130	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	4.76595	4.76595		4.35744	0	0	2.27	2.27	0	109%	70	130	0%	
Trichloroethene-ug/m3	C	µg/m³	6.28758	6.28758		5.32026	0	0	2.69	2.69	0	118%	70	130	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	6.34834	6.34834		5.28092	0	0	2.81	2.81	0	120%	70	130	0%	
Vinyl acetate-ug/m3	C	µg/m³	4.47167	4.47167		3.49	0	0	1.76	1.76	0	128%	70	130	0%	
Vinyl chloride-ug/m3	C	µg/m³	2.4282	2.4282		2.4	0	0	1.28	1.28	0	101%	70	130	0%	
1,4-Difluorobenzene	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.32	12.32		12.5	0	0	0	0	0	99%	70	130	0%	

RTI Laboratories

ANALYTICAL RUN Summary

14-Apr-11

RunNo 39579

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
756281	BFB 50cc voa020211c	BFB_TUNE	TUNE	\\I\DATA\032311\3/23/2011 9:18:0		1	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
173	M		0.2	0.2		0	0	0	0	0	0	0%	0	2	0%	
174	M		86.9	86.9		0	0	0	0	0	0	0%	50	120	0%	
175	M		7.3	7.3		0	0	0	0	0	0	0%	4	9	0%	
176	M		98	98		0	0	0	0	0	0	0%	93	101	0%	
177	M		6.7	6.7		0	0	0	0	0	0	0%	5	9	0%	
50	M		17.2	17.2		0	0	0	0	0	0	0%	8	40	0%	
75	M		45.5	45.5		0	0	0	0	0	0	0%	30	66	0%	
95	M		100	100		0	0	0	0	0	0	0%	100	100	0%	
96	M		6.8	6.8		0	0	0	0	0	0	0%	5	9	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751504	TO15 CCV 40cc vo	EPA_TO15-ug/	CCV	\\I\DATA\032311\3/23/2011 10:00:		1	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	9.56	9.56		10	0	0	1	1	0	96%	70	130	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	3.45	3.45		4.17	0	0	1	1	0	83%	70	130	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	10.46	10.46		9.8	0	0	1	1	0	107%	70	130	0%	
1,1,2-Trichloroethane	A	ppbv	8.69	8.69		10	0	0	1	1	0	87%	70	130	0%	
1,1-Dichloroethane	A	ppbv	10.4	10.4		10	0	0	1	1	0	104%	70	130	0%	
1,1-Dichloroethene	A	ppbv	9.63	9.63		10	0	0	1	1	0	96%	70	130	0%	
1,2,4-Trichlorobenzene	A	ppbv	5.52	5.52		10.6	0	0	1	1	0	52%	70	130	0%	S
1,2,4-Trimethylbenzene	A	ppbv	7.76	7.76		10	0	0	1	1	0	78%	70	130	0%	
1,2-Dibromoethane	A	ppbv	7.86	7.86		10	0	0	1	1	0	79%	70	130	0%	
1,2-Dichlorobenzene	A	ppbv	7.85	7.85		10	0	0	1	1	0	79%	70	130	0%	
1,2-Dichloroethane	A	ppbv	9.13	9.13		10	0	0	1	1	0	91%	70	130	0%	
1,2-Dichloropropane	A	ppbv	8.98	8.98		10	0	0	1	1	0	90%	70	130	0%	
1,3,5-Trimethylbenzene	A	ppbv	7.89	7.89		10	0	0	1	1	0	79%	70	130	0%	
1,3-Butadiene	A	ppbv	10.83	10.83		10	0	0	1	1	0	108%	70	130	0%	
1,3-Dichlorobenzene	A	ppbv	7.92	7.92		10	0	0	1	1	0	79%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751504	TO15 CCV 40cc vo	EPA_TO15-ug/	CCV	\1\DATA\032311\3/23/2011 10:00:		1	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,4-Dichlorobenzene	A	ppbv	8.02	8.02		10.2	0	0	1	1	0	79%	70	130	0%	
1,4-Dioxane	A	ppbv	7.09	7.09		10	0	0	1	1	0	71%	70	130	0%	
2-Butanone	A	ppbv	8.81	8.81		10.2	0	0	1	1	0	86%	70	130	0%	
2-Hexanone	A	ppbv	11.67	11.67		10	0	0	1	1	0	117%	70	130	0%	
2-Propanol	A	ppbv	10.24	10.24		10	0	0	1	1	0	102%	70	130	0%	
4-Methyl-2-pentanone	A	ppbv	10.3	10.3		10.6	0	0	1	1	0	97%	70	130	0%	
Acetone	A	ppbv	8.15	8.15		10	0	0	1	1	0	82%	70	130	0%	
Benzene	A	ppbv	9.3	9.3		10	0	0	1	1	0	93%	70	130	0%	B
Benzyl chloride	A	ppbv	3.97	3.97		5.4	0	0	1	1	0	74%	70	130	0%	
Bromodichloromethane	A	ppbv	9.53	9.53		10.2	0	0	1	1	0	93%	70	130	0%	
Bromoform	A	ppbv	8.35	8.35		9.8	0	0	1	1	0	85%	70	130	0%	
Bromomethane	A	ppbv	6.55	6.55		10	0	0	1	1	0	66%	70	130	0%	S
Carbon disulfide	A	ppbv	9.86	9.86		10	0	0	1	1	0	99%	70	130	0%	
Carbon tetrachloride	A	ppbv	9.82	9.82		10	0	0	1	1	0	98%	70	130	0%	
Chlorobenzene	A	ppbv	8.41	8.41		10	0	0	1	1	0	84%	70	130	0%	
Chlorodibromomethane	A	ppbv	9.22	9.22		10	0	0	1	1	0	92%	70	130	0%	
Chloroethane	A	ppbv	8.34	8.34		10	0	0	1	1	0	83%	70	130	0%	
Chloroform	A	ppbv	9.79	9.79		10.2	0	0	1	1	0	96%	70	130	0%	
Chloromethane	A	ppbv	12.44	12.44		10.2	0	0	1	1	0	122%	70	130	0%	
cis-1,2-Dichloroethene	A	ppbv	10.21	10.21		10	0	0	1	1	0	102%	70	130	0%	
cis-1,3-dichloropropene	A	ppbv	9.05	9.05		10.6	0	0	1	1	0	85%	70	130	0%	
Cyclohexane	A	ppbv	9.96	9.96		10.2	0	0	1	1	0	98%	70	130	0%	B
Dichlorodifluoromethane	A	ppbv	10.06	10.06		10	0	0	1	1	0	101%	70	130	0%	
Ethanol	A	ppbv	10.33	10.33		12.2	0	0	1	1	0	85%	70	130	0%	
Ethyl acetate	A	ppbv	8.43	8.43		10	0	0	1	1	0	84%	70	130	0%	
Ethylbenzene	A	ppbv	9.04	9.04		10	0	0	1	1	0	90%	70	130	0%	
Heptane	A	ppbv	9.52	9.52		10	0	0	1	1	0	95%	70	130	0%	B
Hexachlorobutadiene	A	ppbv	6.14	6.14		9.8	0	0	1	1	0	63%	70	130	0%	S
m,p-Xylene	A	ppbv	16.82	16.82		20	0	0	2	2	0	84%	70	130	0%	
Methylene chloride	A	ppbv	9.74	9.74		9.8	0	0	1	1	0	99%	70	130	0%	
n-Hexane	A	ppbv	9.56	9.56		10.2	0	0	1	1	0	94%	70	130	0%	B
Naphthalene	A	ppbv	5.56	5.56		10	0	0	1	1	0	56%	70	130	0%	S
o-Xylene	A	ppbv	9.03	9.03		10	0	0	1	1	0	90%	70	130	0%	
p-Ethyltoluene	A	ppbv	7.88	7.88		10.6	0	0	1	1	0	74%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751504	TO15 CCV 40cc vo	EPA_TO15-ug/	CCV	\1\DATA\032311\3/23/2011 10:00:		1	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Propylene	A	ppbv	12.17	12.17		10	0	0	1	1	0	122%	70	130	0%	B
Styrene	A	ppbv	9.07	9.07		10	0	0	1	1	0	91%	70	130	0%	
tert-Butyl Methyl Ether	A	ppbv	8.51	8.51		10	0	0	1	1	0	85%	70	130	0%	
Tetrachloroethene	A	ppbv	9.54	9.54		10	0	0	1	1	0	95%	70	130	0%	
Tetrahydrofuran	A	ppbv	9.66	9.66		10	0	0	1	1	0	97%	70	130	0%	
Toluene	A	ppbv	9.49	9.49		10	0	0	1	1	0	95%	70	130	0%	B
trans-1,2-Dichloroethene	A	ppbv	10.06	10.06		10	0	0	1	1	0	101%	70	130	0%	
trans-1,3-dichloropropene	A	ppbv	8.34	8.34		9.4	0	0	1	1	0	89%	70	130	0%	
Trichloroethene	A	ppbv	14.13	14.13		13.6	0	0	1	1	0	104%	70	130	0%	
Trichlorofluoromethane	A	ppbv	10.23	10.23		10	0	0	1	1	0	102%	70	130	0%	
Vinyl acetate	A	ppbv	8.25	8.25		10	0	0	1	1	0	83%	70	130	0%	
Vinyl chloride	A	ppbv	10.67	10.67		10	0	0	1	1	0	107%	70	130	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	52.15936	52.15936		54.56	0	0	5.456	5.456	0	96%	70	130	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	23.68425	23.68425		28.62705	0	0	6.865	6.865	0	83%	70	130	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	80.16544	80.16544		75.1072	0	0	7.664	7.664	0	107%	70	130	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	47.41264	47.41264		54.56	0	0	5.456	5.456	0	87%	70	130	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	42.0888	42.0888		40.47	0	0	4.047	4.047	0	104%	70	130	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	38.18295	38.18295		39.65	0	0	3.965	3.965	0	96%	70	130	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	40.96392	40.96392		78.6626	0	0	7.421	7.421	0	52%	70	130	0%	S
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	38.14816	38.14816		49.16	0	0	4.916	4.916	0	78%	70	130	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	60.42768	60.42768		76.88	0	0	7.688	7.688	0	79%	70	130	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	47.1942	47.1942		60.12	0	0	6.012	6.012	0	79%	70	130	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	36.94911	36.94911		40.47	0	0	4.047	4.047	0	91%	70	130	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	41.49658	41.49658		46.21	0	0	4.621	4.621	0	90%	70	130	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	38.78724	38.78724		49.16	0	0	4.916	4.916	0	79%	70	130	0%	
1,3-Butadiene-ug/m3	C	µg/m³	23.95596	23.95596		22.12	0	0	2.212	2.212	0	108%	70	130	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	47.61504	47.61504		60.12	0	0	6.012	6.012	0	79%	70	130	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	48.21624	48.21624		61.3224	0	0	6.012	6.012	0	79%	70	130	0%	
1,4-Dioxane-ug/m3	C	µg/m³	25.55236	25.55236		36.04	0	0	3.604	3.604	0	71%	70	130	0%	
2-Butanone-ug/m3	C	µg/m³	25.98069	25.98069		30.0798	0	0	2.949	2.949	0	86%	70	130	0%	
2-Hexanone-ug/m3	C	µg/m³	47.81199	47.81199		40.97	0	0	4.097	4.097	0	117%	70	130	0%	
2-Propanol-ug/m3	C	µg/m³	25.16992	25.16992		24.58	0	0	2.458	2.458	0	102%	70	130	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	42.2094	42.2094		43.4388	0	0	4.098	4.098	0	97%	70	130	0%	
Acetone-ug/m3	C	µg/m³	19.35625	19.35625		23.75	0	0	2.375	2.375	0	82%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751504	TO15 CCV 40cc vo	EPA_TO15-ug/	CCV	\1\DATA\032311\3/23/2011 10:00:		1	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzene-ug/m3	C	µg/m³	29.7135	29.7135		31.95	0	0	3.195	3.195	0	93%	70	130	0%	B
Benzyl chloride-ug/m3	C	µg/m³	20.55269	20.55269		27.9558	0	0	5.177	5.177	0	74%	70	130	0%	
Bromodichloromethane-ug/m3	C	µg/m³	63.84147	63.84147		68.3298	0	0	6.699	6.699	0	93%	70	130	0%	
Bromoform-ug/m3	C	µg/m³	86.31395	86.31395		101.3026	0	0	10.337	10.337	0	85%	70	130	0%	
Bromomethane-ug/m3	C	µg/m³	25.43365	25.43365		38.83	0	0	3.883	3.883	0	66%	70	130	0%	S
Carbon disulfide-ug/m3	C	µg/m³	30.70404	30.70404		31.14	0	0	3.114	3.114	0	99%	70	130	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	61.77762	61.77762		62.91	0	0	6.291	6.291	0	98%	70	130	0%	
Chlorobenzene-ug/m3	C	µg/m³	38.71964	38.71964		46.04	0	0	4.604	4.604	0	84%	70	130	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	78.54518	78.54518		85.19	0	0	8.519	8.519	0	92%	70	130	0%	
Chloroethane-ug/m3	C	µg/m³	22.00092	22.00092		26.38	0	0	2.638	2.638	0	83%	70	130	0%	
Chloroform-ug/m3	C	µg/m³	47.80457	47.80457		49.8066	0	0	4.883	4.883	0	96%	70	130	0%	
Chloromethane-ug/m3	C	µg/m³	25.6886	25.6886		21.063	0	0	2.065	2.065	0	122%	70	130	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	40.48265	40.48265		39.65	0	0	3.965	3.965	0	102%	70	130	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	41.07795	41.07795		48.1134	0	0	4.539	4.539	0	85%	70	130	0%	
Cyclohexane-ug/m3	C	µg/m³	34.28232	34.28232		351.084	0	0	3.442	3.442	0	10%	70	130	0%	BS
Dichlorodifluoromethane-ug/m3	C	µg/m³	49.7467	49.7467		49.45	0	0	4.945	4.945	0	101%	70	130	0%	
Ethanol-ug/m3	C	µg/m³	19.46172	19.46172		22.9848	0	0	1.884	1.884	0	85%	70	130	0%	
Ethyl acetate-ug/m3	C	µg/m³	30.37329	30.37329		36.03	0	0	3.603	3.603	0	84%	70	130	0%	
Ethyl benzene-ug/m3	C	µg/m³	39.25168	39.25168		43.42	0	0	4.342	4.342	0	90%	70	130	0%	
Heptane-ug/m3	C	µg/m³	39.02248	39.02248		40.99	0	0	4.099	4.099	0	95%	70	130	0%	B
Hexachlorobutadiene-ug/m3	C	µg/m³	65.4831	65.4831		104.517	0	0	10.665	10.665	0	63%	70	130	0%	S
m,p-Xylene-ug/m3	C	µg/m³	146.06488	146.06488		173.68	0	0	17.368	17.368	0	84%	70	130	0%	
Methylene chloride-ug/m3	C	µg/m³	33.83676	33.83676		34.0452	0	0	3.474	3.474	0	99%	70	130	0%	
n-Hexane-ug/m3	C	µg/m³	33.699	33.699		35.955	0	0	3.525	3.525	0	94%	70	130	0%	B
Naphthalene-ug/m3	C	µg/m³	29.14552	29.14552		52.42	0	0	5.242	5.242	0	56%	70	130	0%	S
o-Xylene-ug/m3	C	µg/m³	39.20826	39.20826		43.42	0	0	4.342	4.342	0	90%	70	130	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	38.73808	38.73808		52.1096	0	0	4.916	4.916	0	74%	70	130	0%	
Propylene-ug/m3	C	µg/m³	20.94457	20.94457		17.21	0	0	1.721	1.721	0	122%	70	130	0%	B
Styrene-ug/m3	C	µg/m³	38.6382	38.6382		42.6	0	0	4.26	4.26	0	91%	70	130	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	30.67855	30.67855		36.05	0	0	3.605	3.605	0	85%	70	130	0%	
Tetrachloroethene-ug/m3	C	µg/m³	64.70028	64.70028		67.82	0	0	6.782	6.782	0	95%	70	130	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	28.48734	28.48734		29.49	0	0	2.949	2.949	0	97%	70	130	0%	
Toluene-ug/m3	C	µg/m³	35.76781	35.76781		37.69	0	0	3.769	3.769	0	95%	70	130	0%	B
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	39.8879	39.8879		39.65	0	0	3.965	3.965	0	101%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751504	TO15 CCV 40cc vo	EPA_TO15-ug/	CCV	\1\DATA\032311\3/23/2011 10:00:		1	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	37.85526	37.85526		42.6666	0	0	4.539	4.539	0	89%	70	130	0%	
Trichloroethene-ug/m3	C	µg/m³	75.93462	75.93462		73.0864	0	0	5.374	5.374	0	104%	70	130	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	57.47214	57.47214		56.18	0	0	5.618	5.618	0	102%	70	130	0%	
Vinyl acetate-ug/m3	C	µg/m³	29.04825	29.04825		35.21	0	0	3.521	3.521	0	83%	70	130	0%	
Vinyl chloride-ug/m3	C	µg/m³	27.27252	27.27252		25.56	0	0	2.556	2.556	0	107%	70	130	0%	
1,4-Difluorobenzene	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.72	12.72		12.5	0	0	0	0	0	102%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751505	TO15 RLVS 20cc v	EPA_TO15-ug/	RLVS	\1\DATA\032311\3/23/2011 10:43:		1	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	1.16	1.16		0.96	0	0	1	1	0	121%	70	130	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0.99	0.99		1	0	0	1	1	0	99%	70	130	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	1.17	1.17		0.98	0	0	1	1	0	119%	70	130	0%	
1,1,2-Trichloroethane	A	ppbv	1.05	1.05		0.98	0	0	1	1	0	107%	70	130	0%	
1,1-Dichloroethane	A	ppbv	1.18	1.18		0.97	0	0	1	1	0	122%	70	130	0%	
1,1-Dichloroethene	A	ppbv	1.19	1.19		0.99	0	0	1	1	0	120%	70	130	0%	
1,2,4-Trichlorobenzene	A	ppbv	0.75	0.75		0.91	0	0	1	1	0	82%	70	130	0%	
1,2,4-Trimethylbenzene	A	ppbv	1.03	1.03		0.98	0	0	1	1	0	105%	70	130	0%	
1,2-Dibromoethane	A	ppbv	1.03	1.03		0.96	0	0	1	1	0	107%	70	130	0%	
1,2-Dichlorobenzene	A	ppbv	1.01	1.01		0.97	0	0	1	1	0	104%	70	130	0%	
1,2-Dichloroethane	A	ppbv	1.16	1.16		0.97	0	0	1	1	0	120%	70	130	0%	
1,2-Dichloropropane	A	ppbv	1.07	1.07		0.98	0	0	1	1	0	109%	70	130	0%	
1,3,5-Trimethylbenzene	A	ppbv	1.22	1.22		0.97	0	0	1	1	0	126%	70	130	0%	
1,3-Butadiene	A	ppbv	1.35	1.35		0.98	0	0	1	1	0	138%	70	130	0%	S
1,3-Dichlorobenzene	A	ppbv	1.04	1.04		0.97	0	0	1	1	0	107%	70	130	0%	
1,4-Dichlorobenzene	A	ppbv	1.05	1.05		0.96	0	0	1	1	0	109%	70	130	0%	
1,4-Dioxane	A	ppbv	1.25	1.25		0.96	0	0	1	1	0	130%	70	130	0%	S
2-Butanone	A	ppbv	1.14	1.14		0.99	0	0	1	1	0	115%	70	130	0%	
2-Hexanone	A	ppbv	1.4	1.4		0.98	0	0	1	1	0	143%	70	130	0%	S

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751505	TO15 RLVS 20cc v	EPA_TO15-ug/	RLVS	\I\DATA\032311\3/23/2011 10:43:		1	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2-Propanol	A	ppbv	1.19	1.19		1.01	0	0	1	1	0	118%	70	130	0%	
4-Methyl-2-pentanone	A	ppbv	1.05	1.05		1	0	0	1	1	0	105%	70	130	0%	
Acetone	A	ppbv	1.27	1.27		1	0	0	1	1	0	127%	70	130	0%	
Benzene	A	ppbv	1.28	1.28		0.96	0	0	1	1	0	133%	70	130	0%	BS
Benzyl chloride	A	ppbv	0.98	0.98		0.97	0	0	1	1	0	101%	70	130	0%	
Bromodichloromethane	A	ppbv	1.06	1.06		0.96	0	0	1	1	0	110%	70	130	0%	
Bromoform	A	ppbv	1.02	1.02		0.96	0	0	1	1	0	106%	70	130	0%	
Bromomethane	A	ppbv	1.07	1.07		0.93	0	0	1	1	0	115%	70	130	0%	
Carbon disulfide	A	ppbv	1.17	1.17		0.97	0	0	1	1	0	121%	70	130	0%	
Carbon tetrachloride	A	ppbv	1.14	1.14		0.95	0	0	1	1	0	120%	70	130	0%	
Chlorobenzene	A	ppbv	1.08	1.08		0.99	0	0	1	1	0	109%	70	130	0%	
Chlorodibromomethane	A	ppbv	1.03	1.03		0.98	0	0	1	1	0	105%	70	130	0%	
Chloroethane	A	ppbv	1.07	1.07		0.92	0	0	1	1	0	116%	70	130	0%	
Chloroform	A	ppbv	1.17	1.17		0.98	0	0	1	1	0	119%	70	130	0%	
Chloromethane	A	ppbv	1.2	1.2		0.95	0	0	1	1	0	126%	70	130	0%	
cis-1,2-Dichloroethene	A	ppbv	1.18	1.18		0.98	0	0	1	1	0	120%	70	130	0%	
cis-1,3-dichloropropene	A	ppbv	1.01	1.01		0.95	0	0	1	1	0	106%	70	130	0%	
Cyclohexane	A	ppbv	1.34	1.34		0.98	0	0	1	1	0	137%	70	130	0%	BS
Dichlorodifluoromethane	A	ppbv	1.1	1.1		0.92	0	0	1	1	0	120%	70	130	0%	
Ethanol	A	ppbv	1.48	1.48		0.92	0	0	1	1	0	161%	70	130	0%	S
Ethyl acetate	A	ppbv	1.07	1.07		0.98	0	0	1	1	0	109%	70	130	0%	
Ethylbenzene	A	ppbv	1.24	1.24		0.98	0	0	1	1	0	127%	70	130	0%	
Heptane	A	ppbv	1.27	1.27		0.99	0	0	1	1	0	128%	70	130	0%	B
Hexachlorobutadiene	A	ppbv	1.01	1.01		0.94	0	0	1	1	0	107%	70	130	0%	
m,p-Xylene	A	ppbv	2.32	2.32		1.92	0	0	2	2	0	121%	70	130	0%	
Methylene chloride	A	ppbv	1.28	1.28		1	0	0	1	1	0	128%	70	130	0%	
n-Hexane	A	ppbv	1.34	1.34		1.01	0	0	1	1	0	133%	70	130	0%	BS
Naphthalene	A	ppbv	0.99	0.99		0.92	0	0	1	1	0	108%	70	130	0%	
o-Xylene	A	ppbv	1.24	1.24		1	0	0	1	1	0	124%	70	130	0%	
p-Ethyltoluene	A	ppbv	1.18	1.18		0.98	0	0	1	1	0	120%	70	130	0%	
Propylene	A	ppbv	1.88	1.88		1.02	0	0	1	1	0	184%	70	130	0%	BS
Styrene	A	ppbv	1.04	1.04		0.98	0	0	1	1	0	106%	70	130	0%	
tert-Butyl Methyl Ether	A	ppbv	1.26	1.26		0.99	0	0	1	1	0	127%	70	130	0%	
Tetrachloroethene	A	ppbv	1.11	1.11		0.96	0	0	1	1	0	116%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751505	TO15 RLVS 20cc v	EPA_TO15-ug/	RLVS	\1\DATA\032311\3/23/2011 10:43:		1	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Tetrahydrofuran	A	ppbv	1.1	1.1		1	0	0	1	1	0	110%	70	130	0%	
Toluene	A	ppbv	1.23	1.23		0.98	0	0	1	1	0	126%	70	130	0%	B
trans-1,2-Dichloroethene	A	ppbv	1.2	1.2		0.98	0	0	1	1	0	122%	70	130	0%	
trans-1,3-dichloropropene	A	ppbv	0.96	0.96		0.91	0	0	1	1	0	105%	70	130	0%	
Trichloroethene	A	ppbv	1.14	1.14		0.96	0	0	1	1	0	119%	70	130	0%	
Trichlorofluoromethane	A	ppbv	1.15	1.15		0.96	0	0	1	1	0	120%	70	130	0%	
Vinyl acetate	A	ppbv	1.05	1.05		0.99	0	0	1	1	0	106%	70	130	0%	
Vinyl chloride	A	ppbv	1.05	1.05		0.94	0	0	1	1	0	112%	70	130	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	6.32896	6.32896		5.23776	0	0	5.456	5.456	0	121%	70	130	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	6.79635	6.79635		6.865	0	0	6.865	6.865	0	99%	70	130	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	8.96688	8.96688		7.51072	0	0	7.664	7.664	0	119%	70	130	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	5.7288	5.7288		5.34688	0	0	5.456	5.456	0	107%	70	130	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	4.77546	4.77546		3.92559	0	0	4.047	4.047	0	122%	70	130	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	4.71835	4.71835		3.92535	0	0	3.965	3.965	0	120%	70	130	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	5.56575	5.56575		6.75311	0	0	7.421	7.421	0	82%	70	130	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	5.06348	5.06348		4.81768	0	0	4.916	4.916	0	105%	70	130	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	7.91864	7.91864		7.38048	0	0	7.688	7.688	0	107%	70	130	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	6.07212	6.07212		5.83164	0	0	6.012	6.012	0	104%	70	130	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	4.69452	4.69452		3.92559	0	0	4.047	4.047	0	120%	70	130	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	4.94447	4.94447		4.52858	0	0	4.621	4.621	0	109%	70	130	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	5.99752	5.99752		4.76852	0	0	4.916	4.916	0	126%	70	130	0%	
1,3-Butadiene-ug/m3	C	µg/m³	2.9862	2.9862		2.16776	0	0	2.212	2.212	0	138%	70	130	0%	S
1,3-Dichlorobenzene-ug/m3	C	µg/m³	6.25248	6.25248		5.83164	0	0	6.012	6.012	0	107%	70	130	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	6.3126	6.3126		5.77152	0	0	6.012	6.012	0	109%	70	130	0%	
1,4-Dioxane-ug/m3	C	µg/m³	4.505	4.505		3.45984	0	0	3.604	3.604	0	130%	70	130	0%	S
2-Butanone-ug/m3	C	µg/m³	3.36186	3.36186		2.91951	0	0	2.949	2.949	0	115%	70	130	0%	
2-Hexanone-ug/m3	C	µg/m³	5.7358	5.7358		4.01506	0	0	4.097	4.097	0	143%	70	130	0%	S
2-Propanol-ug/m3	C	µg/m³	2.92502	2.92502		2.48258	0	0	2.458	2.458	0	118%	70	130	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	4.3029	4.3029		4.098	0	0	4.098	4.098	0	105%	70	130	0%	
Acetone-ug/m3	C	µg/m³	3.01625	3.01625		2.375	0	0	2.375	2.375	0	127%	70	130	0%	
Benzene-ug/m3	C	µg/m³	4.0896	4.0896		3.0672	0	0	3.195	3.195	0	133%	70	130	0%	BS
Benzyl chloride-ug/m3	C	µg/m³	5.07346	5.07346		5.02169	0	0	5.177	5.177	0	101%	70	130	0%	
Bromodichloromethane-ug/m3	C	µg/m³	7.10094	7.10094		6.43104	0	0	6.699	6.699	0	110%	70	130	0%	
Bromoform-ug/m3	C	µg/m³	10.54374	10.54374		9.92352	0	0	10.337	10.337	0	106%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751505	TO15 RLVS 20cc v	EPA_TO15-ug/	RLVS	\1\DATA\032311\3/23/2011 10:43:		1	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Bromomethane-ug/m3	C	µg/m³	4.15481	4.15481		3.61119	0	0	3.883	3.883	0	115%	70	130	0%	
Carbon disulfide-ug/m3	C	µg/m³	3.64338	3.64338		3.02058	0	0	3.114	3.114	0	121%	70	130	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	7.17174	7.17174		5.97645	0	0	6.291	6.291	0	120%	70	130	0%	
Chlorobenzene-ug/m3	C	µg/m³	4.97232	4.97232		4.55796	0	0	4.604	4.604	0	109%	70	130	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	8.77457	8.77457		8.34862	0	0	8.519	8.519	0	105%	70	130	0%	
Chloroethane-ug/m3	C	µg/m³	2.82266	2.82266		2.42696	0	0	2.638	2.638	0	116%	70	130	0%	
Chloroform-ug/m3	C	µg/m³	5.71311	5.71311		4.78534	0	0	4.883	4.883	0	119%	70	130	0%	
Chloromethane-ug/m3	C	µg/m³	2.478	2.478		1.96175	0	0	2.065	2.065	0	126%	70	130	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	4.6787	4.6787		3.8857	0	0	3.965	3.965	0	120%	70	130	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	4.58439	4.58439		4.31205	0	0	4.539	4.539	0	106%	70	130	0%	
Cyclohexane-ug/m3	C	µg/m³	4.61228	4.61228		3.37316	0	0	3.442	3.442	0	137%	70	130	0%	BS
Dichlorodifluoromethane-ug/m3	C	µg/m³	5.4395	5.4395		4.5494	0	0	4.945	4.945	0	120%	70	130	0%	
Ethanol-ug/m3	C	µg/m³	2.78832	2.78832		1.73328	0	0	1.884	1.884	0	161%	70	130	0%	S
Ethyl acetate-ug/m3	C	µg/m³	3.85521	3.85521		3.53094	0	0	3.603	3.603	0	109%	70	130	0%	
Ethyl benzene-ug/m3	C	µg/m³	5.38408	5.38408		4.25516	0	0	4.342	4.342	0	127%	70	130	0%	
Heptane-ug/m3	C	µg/m³	5.20573	5.20573		4.05801	0	0	4.099	4.099	0	128%	70	130	0%	B
Hexachlorobutadiene-ug/m3	C	µg/m³	10.77165	10.77165		10.0251	0	0	10.665	10.665	0	107%	70	130	0%	
m,p-Xylene-ug/m3	C	µg/m³	20.14688	20.14688		16.67328	0	0	17.368	17.368	0	121%	70	130	0%	
Methylene chloride-ug/m3	C	µg/m³	4.44672	4.44672		3.474	0	0	3.474	3.474	0	128%	70	130	0%	
n-Hexane-ug/m3	C	µg/m³	4.7235	4.7235		3.56025	0	0	3.525	3.525	0	133%	70	130	0%	BS
Naphthalene-ug/m3	C	µg/m³	5.18958	5.18958		4.82264	0	0	5.242	5.242	0	108%	70	130	0%	
o-Xylene-ug/m3	C	µg/m³	5.38408	5.38408		4.342	0	0	4.342	4.342	0	124%	70	130	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	5.80088	5.80088		4.81768	0	0	4.916	4.916	0	120%	70	130	0%	
Propylene-ug/m3	C	µg/m³	3.23548	3.23548		1.75542	0	0	1.721	1.721	0	184%	70	130	0%	BS
Styrene-ug/m3	C	µg/m³	4.4304	4.4304		4.1748	0	0	4.26	4.26	0	106%	70	130	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	4.5423	4.5423		3.56895	0	0	3.605	3.605	0	127%	70	130	0%	
Tetrachloroethene-ug/m3	C	µg/m³	7.52802	7.52802		6.51072	0	0	6.782	6.782	0	116%	70	130	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	3.2439	3.2439		2.949	0	0	2.949	2.949	0	110%	70	130	0%	
Toluene-ug/m3	C	µg/m³	4.63587	4.63587		3.69362	0	0	3.769	3.769	0	126%	70	130	0%	B
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	4.758	4.758		3.8857	0	0	3.965	3.965	0	122%	70	130	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	4.35744	4.35744		4.13049	0	0	4.539	4.539	0	105%	70	130	0%	
Trichloroethene-ug/m3	C	µg/m³	6.12636	6.12636		5.15904	0	0	5.374	5.374	0	119%	70	130	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	6.4607	6.4607		5.39328	0	0	5.618	5.618	0	120%	70	130	0%	
Vinyl acetate-ug/m3	C	µg/m³	3.69705	3.69705		3.48579	0	0	3.521	3.521	0	106%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751505	TO15 RLVS 20cc v	EPA_TO15-ug/	RLVS	\I\DATA\032311\3/23/2011 10:43:		1	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Vinyl chloride-ug/m3	C	µg/m³	2.6838	2.6838		2.40264	0	0	2.556	2.556	0	112%	70	130	0%	
1,4-Difluorobenzene	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.59	12.59		12.5	0	0	0	0	0	101%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751506	MBLK	EPA_TO15-ug/	MBLK	\I\DATA\032311\3/23/2011 3:19:0		40	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
2-Butanone	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
2-Propanol	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Acetone	A	ppbv	0.79	0		0	0	0	40	40	0	0%	0	0	0%	
Benzene	A	ppbv	1	40		0	0	0	40	40	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751506	MBLK	EPA_TO15-ug/	MBLK	\\1\DATA\032311\3/23/2011 3:19:0		40	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Bromodichloromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Chloromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Cyclohexane	A	ppbv	1.37	54.8		0	0	0	40	40	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Ethanol	A	ppbv	0.57	0		0	0	0	40	40	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	0.71	0		0	0	0	40	40	0	0%	0	0	0%	
Heptane	A	ppbv	1.4	56		0	0	0	40	40	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	1.47	0		0	0	0	80	80	0	0%	0	0	0%	
Methylene chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
n-Hexane	A	ppbv	1.14	45.6		0	0	0	40	40	0	0%	0	0	0%	
Naphthalene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
o-Xylene	A	ppbv	0.71	0		0	0	0	40	40	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Propylene	A	ppbv	1.92	76.8		0	0	0	40	40	0	0%	0	0	0%	
Styrene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Toluene	A	ppbv	2.91	116.4		0	0	0	40	40	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751506	MBLK	EPA_TO15-ug/	MBLK	\1\DATA\032311\3/23/2011 3:19:0		40	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Vinyl acetate	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	40	40	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218.24	218.24	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	274.6	274.6	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	306.56	306.56	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	218.24	218.24	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	161.88	161.88	0	0%	0	0	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	296.84	296.84	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	196.64	196.64	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	307.52	307.52	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	161.88	161.88	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	184.84	184.84	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	196.64	196.64	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	0	0		0	0	0	88.48	88.48	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	240.48	240.48	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	144.16	144.16	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	0	0		0	0	0	117.96	117.96	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	0	0		0	0	0	163.88	163.88	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	0	0		0	0	0	98.32	98.32	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	163.92	163.92	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	1.87625	0		0	0	0	95	95	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	3.195	127.8		0	0	0	127.8	127.8	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	207.08	207.08	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	267.96	267.96	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	413.48	413.48	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	155.32	155.32	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	124.56	124.56	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	251.64	251.64	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	184.16	184.16	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	340.76	340.76	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	105.52	105.52	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751506	MBLK	EPA_TO15-ug/	MBLK	\1\DATA\032311\3/23/2011 3:19:0		40	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	195.32	195.32	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	82.6	82.6	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181.56	181.56	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	4.71554	188.6216		0	0	0	137.68	137.68	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	197.8	197.8	0	0%	0	0	0%	
Ethanol-ug/m3	C	µg/m³	1.07388	0		0	0	0	75.36	75.36	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	144.12	144.12	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	3.08282	0		0	0	0	173.68	173.68	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	5.7386	229.544		0	0	0	163.96	163.96	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	426.6	426.6	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	12.76548	0		0	0	0	694.72	694.72	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	0	0		0	0	0	138.96	138.96	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	4.0185	160.74		0	0	0	141	141	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	0	0		0	0	0	209.68	209.68	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	3.08282	0		0	0	0	173.68	173.68	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	196.64	196.64	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	3.30432	132.1728		0	0	0	68.84	68.84	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	170.4	170.4	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	0	0		0	0	0	144.2	144.2	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	271.28	271.28	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	0	0		0	0	0	117.96	117.96	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	10.96779	438.7116		0	0	0	150.76	150.76	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	158.6	158.6	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	181.56	181.56	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	214.96	214.96	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	224.72	224.72	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	140.84	140.84	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	102.24	102.24	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.71	508.4		500	0	0	0	0	0	102%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751522	1103120-013A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311	3/23/2011 6:23:0	16000	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0.51	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	0.59	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
2-Butanone	A	ppbv	0.53	0		0	0	0	16000	16000	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0.52	0		0	0	0	16000	16000	0	0%	0	0	0%	
2-Propanol	A	ppbv	0.51	0		0	0	0	16000	16000	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Acetone	A	ppbv	1.17	18720		0	0	0	16000	16000	0	0%	0	0	0%	
Benzene	A	ppbv	1.95	31200		0	0	0	16000	16000	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751522	1103120-013A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\032311	3/23/2011 6:23:0	16000	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chloromethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Cyclohexane	A	ppbv	4.47	71520		0	0	0	16000	16000	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Ethanol	A	ppbv	0.54	0		0	0	0	16000	16000	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	1.15	18400		0	0	0	16000	16000	0	0%	0	0	0%	
Heptane	A	ppbv	3.86	61760		0	0	0	16000	16000	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	2.53	40480		0	0	0	32000	32000	0	0%	0	0	0%	
Methylene chloride	A	ppbv	1.47	23520		0	0	0	16000	16000	0	0%	0	0	0%	
n-Hexane	A	ppbv	3.1	49600		0	0	0	16000	16000	0	0%	0	0	0%	
Naphthalene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
o-Xylene	A	ppbv	1.04	16640		0	0	0	16000	16000	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Propylene	A	ppbv	0.85	0		0	0	0	16000	16000	0	0%	0	0	0%	
Styrene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0.52	0		0	0	0	16000	16000	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	1.43	22880		0	0	0	16000	16000	0	0%	0	0	0%	
Toluene	A	ppbv	6.94	111040		0	0	0	16000	16000	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	87296	87296	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	109840	109840	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	122624	122624	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	87296	87296	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	64752	64752	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751522	1103120-013A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\	3/23/2011 6:23:0	16000	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	63440	63440	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	118736	118736	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	78656	78656	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	123008	123008	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	96192	96192	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	64752	64752	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	73936	73936	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	2.50716	0		0	0	0	78656	78656	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	1.30508	0		0	0	0	35392	35392	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	96192	96192	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	96192	96192	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	57664	57664	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	1.56297	0		0	0	0	47184	47184	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	2.13044	0		0	0	0	65552	65552	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	1.25358	0		0	0	0	39328	39328	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	65568	65568	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	2.77875	44460		0	0	0	38000	38000	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	6.23025	99684		0	0	0	51120	51120	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	82832	82832	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	107184	107184	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	165392	165392	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	62128	62128	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	49824	49824	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	100656	100656	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	73664	73664	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	136304	136304	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	42208	42208	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	78128	78128	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	33040	33040	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	63440	63440	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	72624	72624	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	15.38574	246171.84		0	0	0	55072	55072	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	79120	79120	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751522	1103120-013A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\3/23/2011 6:23:0		16000	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethanol-ug/m3	C	µg/m³	1.01736	0		0	0	0	30144	30144	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	57648	57648	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	4.9933	79892.8		0	0	0	69472	69472	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	15.82214	253154.24		0	0	0	65584	65584	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	170640	170640	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	21.97052	351528.32		0	0	0	277888	277888	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	5.10678	81708.48		0	0	0	55584	55584	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	10.9275	174840		0	0	0	56400	56400	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	0	0		0	0	0	83872	83872	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	4.51568	72250.88		0	0	0	69472	69472	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	78656	78656	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	1.46285	0		0	0	0	27536	27536	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	68160	68160	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	1.8746	0		0	0	0	57680	57680	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	108512	108512	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	4.21707	67473.12		0	0	0	47184	47184	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	26.15686	418509.76		0	0	0	60304	60304	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	63440	63440	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	72624	72624	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	85984	85984	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	89888	89888	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	56336	56336	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	40896	40896	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	200000		200000	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	200000		200000	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	200000		200000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	13.18	210880		200000	0	0	0	0	0	105%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751523	1103120-002A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\3/23/2011 7:03:0		160000	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	0.55	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
2-Butanone	A	ppbv	1.72	275200		0	0	0	160000	160000	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
2-Propanol	A	ppbv	1.12	179200		0	0	0	160000	160000	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Acetone	A	ppbv	8.96	1433600		0	0	0	160000	160000	0	0%	0	0	0%	
Benzene	A	ppbv	3.53	564800		0	0	0	160000	160000	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751523	1103120-002A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\032311\3/23/2011 7:03:0		160000	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chloromethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Cyclohexane	A	ppbv	13.59	2174400		0	0	0	160000	160000	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Ethanol	A	ppbv	0.73	0		0	0	0	160000	160000	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	0.96	0		0	0	0	160000	160000	0	0%	0	0	0%	
Heptane	A	ppbv	14.47	2315200		0	0	0	160000	160000	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	2.03	324800		0	0	0	320000	320000	0	0%	0	0	0%	
Methylene chloride	A	ppbv	0.59	0		0	0	0	160000	160000	0	0%	0	0	0%	
n-Hexane	A	ppbv	8.2	1312000		0	0	0	160000	160000	0	0%	0	0	0%	
Naphthalene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
o-Xylene	A	ppbv	0.84	0		0	0	0	160000	160000	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Propylene	A	ppbv	0.82	0		0	0	0	160000	160000	0	0%	0	0	0%	
Styrene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	5.48	876800		0	0	0	160000	160000	0	0%	0	0	0%	
Toluene	A	ppbv	9.66	1545600		0	0	0	160000	160000	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	872960	872960	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	1098400	1098400	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	1226240	1226240	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	872960	872960	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	647520	647520	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751523	1103120-002A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\3/23/2011 7:03:0	160000	R39579			0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	634400	634400	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	1187360	1187360	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	786560	786560	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	1230080	1230080	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	961920	961920	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	647520	647520	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	739360	739360	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	786560	786560	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	1.2166	0		0	0	0	353920	353920	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	961920	961920	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	961920	961920	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	576640	576640	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	5.07228	811564.8		0	0	0	471840	471840	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	0	0		0	0	0	655520	655520	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	2.75296	440473.6		0	0	0	393280	393280	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	655680	655680	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	21.28	3404800		0	0	0	380000	380000	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	11.27835	1804536		0	0	0	511200	511200	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	828320	828320	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	1071840	1071840	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	1653920	1653920	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	621280	621280	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	498240	498240	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	1006560	1006560	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	736640	736640	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	1363040	1363040	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	422080	422080	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	781280	781280	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	330400	330400	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	634400	634400	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	726240	726240	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	46.77678	7484284.8		0	0	0	550720	550720	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	791200	791200	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751523	1103120-002A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\032311\3/23/2011 7:03:0		160000	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethanol-ug/m3	C	µg/m³	1.37532	0		0	0	0	301440	301440	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	576480	576480	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	4.16832	0		0	0	0	694720	694720	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	59.31253	9490004.8		0	0	0	655840	655840	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	1706400	1706400	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	17.62852	2820563.2		0	0	0	2778880	2778880	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	2.04966	0		0	0	0	555840	555840	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	28.905	4624800		0	0	0	564000	564000	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	0	0		0	0	0	838720	838720	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	3.64728	0		0	0	0	694720	694720	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	786560	786560	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	1.41122	0		0	0	0	275360	275360	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	681600	681600	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	0	0		0	0	0	576800	576800	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	1085120	1085120	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	16.16052	2585683.2		0	0	0	471840	471840	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	36.40854	5825366.4		0	0	0	603040	603040	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	634400	634400	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	726240	726240	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	859840	859840	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	898880	898880	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	563360	563360	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	408960	408960	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	2000000		2000000	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	2000000		2000000	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	2000000		2000000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.49	1998400		2000000	0	0	0	0	0	100%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751524	1103120-003A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\3/23/2011 7:45:0		160000	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	0.57	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
2-Butanone	A	ppbv	1.46	233600		0	0	0	160000	160000	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
2-Propanol	A	ppbv	1	160000		0	0	0	160000	160000	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Acetone	A	ppbv	7.76	1241600		0	0	0	160000	160000	0	0%	0	0	0%	
Benzene	A	ppbv	3	480000		0	0	0	160000	160000	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751524	1103120-003A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\032311\	3/23/2011 7:45:0	160000	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chloromethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Cyclohexane	A	ppbv	11.64	1862400		0	0	0	160000	160000	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Ethanol	A	ppbv	0.67	0		0	0	0	160000	160000	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	0.88	0		0	0	0	160000	160000	0	0%	0	0	0%	
Heptane	A	ppbv	12.56	2009600		0	0	0	160000	160000	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	1.82	0		0	0	0	320000	320000	0	0%	0	0	0%	
Methylene chloride	A	ppbv	0.69	0		0	0	0	160000	160000	0	0%	0	0	0%	
n-Hexane	A	ppbv	7.01	1121600		0	0	0	160000	160000	0	0%	0	0	0%	
Naphthalene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
o-Xylene	A	ppbv	0.77	0		0	0	0	160000	160000	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Propylene	A	ppbv	0.87	0		0	0	0	160000	160000	0	0%	0	0	0%	
Styrene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	4.66	745600		0	0	0	160000	160000	0	0%	0	0	0%	
Toluene	A	ppbv	8.59	1374400		0	0	0	160000	160000	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	160000	160000	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	872960	872960	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	1098400	1098400	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	1226240	1226240	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	872960	872960	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	647520	647520	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751524	1103120-003A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\I\DATA\032311\3/23/2011 7:45:0		160000	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	634400	634400	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	1187360	1187360	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	786560	786560	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	1230080	1230080	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	961920	961920	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	647520	647520	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	739360	739360	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	786560	786560	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	1.26084	0		0	0	0	353920	353920	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	961920	961920	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	961920	961920	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	576640	576640	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	4.30554	688886.4		0	0	0	471840	471840	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	0	0		0	0	0	655520	655520	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	2.458	393280		0	0	0	393280	393280	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	655680	655680	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	18.43	2948800		0	0	0	380000	380000	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	9.585	1533600		0	0	0	511200	511200	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	828320	828320	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	1071840	1071840	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	1653920	1653920	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	621280	621280	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	498240	498240	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	1006560	1006560	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	736640	736640	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	1363040	1363040	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	422080	422080	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	781280	781280	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	330400	330400	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	634400	634400	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	726240	726240	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	40.06488	6410380.8		0	0	0	550720	550720	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	791200	791200	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751524	1103120-003A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\3/23/2011 7:45:0		160000	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethanol-ug/m3	C	µg/m³	1.26228	0		0	0	0	301440	301440	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	576480	576480	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	3.82096	0		0	0	0	694720	694720	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	51.48344	8237350.4		0	0	0	655840	655840	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	1706400	1706400	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	15.80488	0		0	0	0	2778880	2778880	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	2.39706	0		0	0	0	555840	555840	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	24.71025	3953640		0	0	0	564000	564000	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	0	0		0	0	0	838720	838720	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	3.34334	0		0	0	0	694720	694720	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	786560	786560	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	1.49727	0		0	0	0	275360	275360	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	681600	681600	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	0	0		0	0	0	576800	576800	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	1085120	1085120	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	13.74234	2198774.4		0	0	0	471840	471840	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	32.37571	5180113.6		0	0	0	603040	603040	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	634400	634400	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	726240	726240	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	859840	859840	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	898880	898880	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	563360	563360	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	408960	408960	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	2000000		2000000	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	2000000		2000000	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	2000000		2000000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.68	2028800		2000000	0	0	0	0	0	101%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751525	1103120-015A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311\3/23/2011 8:27:0		16000	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	1.01	16160		0	0	0	16000	16000	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
2-Butanone	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
2-Propanol	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Acetone	A	ppbv	0.56	0		0	0	0	16000	16000	0	0%	0	0	0%	
Benzene	A	ppbv	2.28	36480		0	0	0	16000	16000	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751525	1103120-015A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311\3/23/2011 8:27:0		16000	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chloromethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Cyclohexane	A	ppbv	4.16	66560		0	0	0	16000	16000	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Ethanol	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Heptane	A	ppbv	2.52	40320		0	0	0	16000	16000	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	0.72	0		0	0	0	32000	32000	0	0%	0	0	0%	
Methylene chloride	A	ppbv	0.66	0		0	0	0	16000	16000	0	0%	0	0	0%	
n-Hexane	A	ppbv	3.85	61600		0	0	0	16000	16000	0	0%	0	0	0%	
Naphthalene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
o-Xylene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Propylene	A	ppbv	69.8	1116800		0	0	0	16000	16000	0	0%	0	0	0%	E
Styrene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	1.22	19520		0	0	0	16000	16000	0	0%	0	0	0%	
Toluene	A	ppbv	0.74	0		0	0	0	16000	16000	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	16000	16000	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	87296	87296	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	109840	109840	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	122624	122624	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	87296	87296	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	64752	64752	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751525	1103120-015A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\	3/23/2011 8:27:0	16000	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	63440	63440	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	118736	118736	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	78656	78656	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	123008	123008	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	96192	96192	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	64752	64752	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	73936	73936	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	78656	78656	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	2.23412	35745.92		0	0	0	35392	35392	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	96192	96192	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	96192	96192	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	57664	57664	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	0	0		0	0	0	47184	47184	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	0	0		0	0	0	65552	65552	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	0	0		0	0	0	39328	39328	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	65568	65568	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	1.33	0		0	0	0	38000	38000	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	7.2846	116553.6		0	0	0	51120	51120	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	82832	82832	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	107184	107184	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	165392	165392	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	62128	62128	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	49824	49824	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	100656	100656	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	73664	73664	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	136304	136304	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	42208	42208	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	78128	78128	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	33040	33040	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	63440	63440	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	72624	72624	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	14.31872	229099.52		0	0	0	55072	55072	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	79120	79120	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751525	1103120-015A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311\3/23/2011 8:27:0		16000	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethanol-ug/m3	C	µg/m³	0	0		0	0	0	30144	30144	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	57648	57648	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	0	0		0	0	0	69472	69472	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	10.32948	165271.68		0	0	0	65584	65584	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	170640	170640	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	6.25248	0		0	0	0	277888	277888	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	2.29284	0		0	0	0	55584	55584	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	13.57125	217140		0	0	0	56400	56400	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	0	0		0	0	0	83872	83872	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	0	0		0	0	0	69472	69472	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	78656	78656	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	120.1258	1922012.8		0	0	0	27536	27536	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	68160	68160	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	0	0		0	0	0	57680	57680	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	108512	108512	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	3.59778	57564.48		0	0	0	47184	47184	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	2.78906	0		0	0	0	60304	60304	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	63440	63440	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	72624	72624	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	85984	85984	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	89888	89888	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	56336	56336	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	40896	40896	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	200000		200000	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	200000		200000	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	200000		200000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.67	202720		200000	0	0	0	0	0	101%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751526	1103120-004A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311\3/23/2011 9:54:0		400	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0.72	0		0	0	0	400	400	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0.7	0		0	0	0	400	400	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	1.79	716		0	0	0	400	400	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
2-Butanone	A	ppbv	2.09	836		0	0	0	400	400	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0.7	0		0	0	0	400	400	0	0%	0	0	0%	
2-Propanol	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Acetone	A	ppbv	19.87	7948		0	0	0	400	400	0	0%	0	0	0%	
Benzene	A	ppbv	5.68	2272		0	0	0	400	400	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Bromomethane	A	ppbv	0.51	0		0	0	0	400	400	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751526	1103120-004A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\3/23/2011 9:54:0		400	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chloromethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Cyclohexane	A	ppbv	10.33	4132		0	0	0	400	400	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Ethanol	A	ppbv	1.26	504		0	0	0	400	400	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	1.11	444		0	0	0	400	400	0	0%	0	0	0%	
Heptane	A	ppbv	11.29	4516		0	0	0	400	400	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0.51	0		0	0	0	400	400	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	2.29	916		0	0	0	800	800	0	0%	0	0	0%	
Methylene chloride	A	ppbv	6.28	2512		0	0	0	400	400	0	0%	0	0	0%	
n-Hexane	A	ppbv	9.7	3880		0	0	0	400	400	0	0%	0	0	0%	
Naphthalene	A	ppbv	0.89	0		0	0	0	400	400	0	0%	0	0	0%	
o-Xylene	A	ppbv	0.99	0		0	0	0	400	400	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Propylene	A	ppbv	45.06	18024		0	0	0	400	400	0	0%	0	0	0%	E
Styrene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0.64	0		0	0	0	400	400	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	5.12	2048		0	0	0	400	400	0	0%	0	0	0%	
Toluene	A	ppbv	7.62	3048		0	0	0	400	400	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	2182.4	2182.4	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	2746	2746	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	3065.6	3065.6	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	2182.4	2182.4	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	1618.8	1618.8	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751526	1103120-004A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311\3/23/2011 9:54:0		400	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	1586	1586	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	2968.4	2968.4	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	3.53952	0		0	0	0	1966.4	1966.4	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	3075.2	3075.2	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	2404.8	2404.8	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	1618.8	1618.8	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	1848.4	1848.4	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	3.4412	0		0	0	0	1966.4	1966.4	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	3.95948	1583.792		0	0	0	884.8	884.8	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	2404.8	2404.8	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	2404.8	2404.8	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	1441.6	1441.6	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	6.16341	2465.364		0	0	0	1179.6	1179.6	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	2.8679	0		0	0	0	1638.8	1638.8	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	0	0		0	0	0	983.2	983.2	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	1639.2	1639.2	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	47.19125	18876.5		0	0	0	950	950	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	18.1476	7259.04		0	0	0	1278	1278	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	2070.8	2070.8	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	2679.6	2679.6	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	4134.8	4134.8	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	1.98033	0		0	0	0	1553.2	1553.2	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	1245.6	1245.6	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	2516.4	2516.4	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	1841.6	1841.6	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	3407.6	3407.6	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	1055.2	1055.2	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	1953.2	1953.2	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	826	826	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	1586	1586	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	1815.6	1815.6	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	35.55586	14222.344		0	0	0	1376.8	1376.8	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	1978	1978	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751526	1103120-004A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311	3/23/2011 9:54:0	400	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethanol-ug/m3	C	µg/m³	2.37384	949.536		0	0	0	753.6	753.6	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	1441.2	1441.2	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	4.81962	1927.848		0	0	0	1736.8	1736.8	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	46.27771	18511.084		0	0	0	1639.6	1639.6	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	5.43915	0		0	0	0	4266	4266	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	19.88636	7954.544		0	0	0	6947.2	6947.2	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	21.81672	8726.688		0	0	0	1389.6	1389.6	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	34.1925	13677		0	0	0	1410	1410	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	4.66538	0		0	0	0	2096.8	2096.8	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	4.29858	0		0	0	0	1736.8	1736.8	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	1966.4	1966.4	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	77.54826	31019.304		0	0	0	688.4	688.4	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	1704	1704	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	2.3072	0		0	0	0	1442	1442	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	2712.8	2712.8	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	15.09888	6039.552		0	0	0	1179.6	1179.6	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	28.71978	11487.912		0	0	0	1507.6	1507.6	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	1586	1586	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	1815.6	1815.6	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	2149.6	2149.6	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	2247.2	2247.2	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	1408.4	1408.4	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	1022.4	1022.4	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	5000		5000	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	5000		5000	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	5000		5000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	13.27	5308		5000	0	0	0	0	0	106%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751527	1103120-005A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\032311\3/23/2011 10:39:		400	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0.59	0		0	0	0	400	400	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	1.2	480		0	0	0	400	400	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
2-Butanone	A	ppbv	1.13	452		0	0	0	400	400	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0.6	0		0	0	0	400	400	0	0%	0	0	0%	
2-Propanol	A	ppbv	0.67	0		0	0	0	400	400	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Acetone	A	ppbv	8.52	3408		0	0	0	400	400	0	0%	0	0	0%	
Benzene	A	ppbv	2.42	968		0	0	0	400	400	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751527	1103120-005A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\3/23/2011 10:39:		400	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chloromethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Cyclohexane	A	ppbv	4.89	1956		0	0	0	400	400	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Ethanol	A	ppbv	0.83	0		0	0	0	400	400	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	0.72	0		0	0	0	400	400	0	0%	0	0	0%	
Heptane	A	ppbv	5.46	2184		0	0	0	400	400	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	1.19	0		0	0	0	800	800	0	0%	0	0	0%	
Methylene chloride	A	ppbv	3.01	1204		0	0	0	400	400	0	0%	0	0	0%	
n-Hexane	A	ppbv	4.63	1852		0	0	0	400	400	0	0%	0	0	0%	
Naphthalene	A	ppbv	0.68	0		0	0	0	400	400	0	0%	0	0	0%	
o-Xylene	A	ppbv	0.65	0		0	0	0	400	400	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Propylene	A	ppbv	23.28	9312		0	0	0	400	400	0	0%	0	0	0%	E
Styrene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0.61	0		0	0	0	400	400	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	2.53	1012		0	0	0	400	400	0	0%	0	0	0%	
Toluene	A	ppbv	2.94	1176		0	0	0	400	400	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	2182.4	2182.4	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	2746	2746	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	3065.6	3065.6	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	2182.4	2182.4	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	1618.8	1618.8	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751527	1103120-005A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\3/23/2011 10:39:		400	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	1586	1586	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	2968.4	2968.4	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	1966.4	1966.4	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	3075.2	3075.2	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	2404.8	2404.8	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	1618.8	1618.8	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	1848.4	1848.4	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	2.90044	0		0	0	0	1966.4	1966.4	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	2.6544	1061.76		0	0	0	884.8	884.8	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	2404.8	2404.8	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	2404.8	2404.8	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	1441.6	1441.6	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	3.33237	1332.948		0	0	0	1179.6	1179.6	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	2.4582	0		0	0	0	1638.8	1638.8	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	1.64686	0		0	0	0	983.2	983.2	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	1639.2	1639.2	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	20.235	8094		0	0	0	950	950	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	7.7319	3092.76		0	0	0	1278	1278	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	2070.8	2070.8	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	2679.6	2679.6	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	4134.8	4134.8	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	1553.2	1553.2	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	1245.6	1245.6	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	2516.4	2516.4	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	1841.6	1841.6	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	3407.6	3407.6	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	1055.2	1055.2	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	1953.2	1953.2	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	826	826	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	1586	1586	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	1815.6	1815.6	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	16.83138	6732.552		0	0	0	1376.8	1376.8	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	1978	1978	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751527	1103120-005A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\3/23/2011 10:39:		400	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethanol-ug/m3	C	µg/m³	1.56372	0		0	0	0	753.6	753.6	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	1441.2	1441.2	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	3.12624	0		0	0	0	1736.8	1736.8	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	22.38054	8952.216		0	0	0	1639.6	1639.6	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	4266	4266	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	10.33396	0		0	0	0	6947.2	6947.2	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	10.45674	4182.696		0	0	0	1389.6	1389.6	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	16.32075	6528.3		0	0	0	1410	1410	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	3.56456	0		0	0	0	2096.8	2096.8	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	2.8223	0		0	0	0	1736.8	1736.8	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	1966.4	1966.4	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	40.06488	16025.952		0	0	0	688.4	688.4	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	1704	1704	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	2.19905	0		0	0	0	1442	1442	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	2712.8	2712.8	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	7.46097	2984.388		0	0	0	1179.6	1179.6	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	11.08086	4432.344		0	0	0	1507.6	1507.6	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	1586	1586	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	1815.6	1815.6	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	2149.6	2149.6	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	2247.2	2247.2	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	1408.4	1408.4	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	1022.4	1022.4	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	5000		5000	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	5000		5000	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	5000		5000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	13.15	5260		5000	0	0	0	0	0	105%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751528	1103120-006A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\3/23/2011 11:24:		400	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	2.05	820		0	0	0	400	400	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	1.27	508		0	0	0	400	400	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	1.13	452		0	0	0	400	400	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
2-Butanone	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0.63	0		0	0	0	400	400	0	0%	0	0	0%	
2-Propanol	A	ppbv	0.65	0		0	0	0	400	400	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Acetone	A	ppbv	1.27	508		0	0	0	400	400	0	0%	0	0	0%	
Benzene	A	ppbv	2.91	1164		0	0	0	400	400	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751528	1103120-006A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\	3/23/2011 11:24:	400	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chloromethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Cyclohexane	A	ppbv	3.45	1380		0	0	0	400	400	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Ethanol	A	ppbv	0.86	0		0	0	0	400	400	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	2.29	916		0	0	0	400	400	0	0%	0	0	0%	
Heptane	A	ppbv	2.9	1160		0	0	0	400	400	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	7.71	3084		0	0	0	800	800	0	0%	0	0	0%	
Methylene chloride	A	ppbv	1.79	716		0	0	0	400	400	0	0%	0	0	0%	
n-Hexane	A	ppbv	1.74	696		0	0	0	400	400	0	0%	0	0	0%	
Naphthalene	A	ppbv	0.71	0		0	0	0	400	400	0	0%	0	0	0%	
o-Xylene	A	ppbv	2.64	1056		0	0	0	400	400	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	1.34	536		0	0	0	400	400	0	0%	0	0	0%	
Propylene	A	ppbv	88.99	35596		0	0	0	400	400	0	0%	0	0	0%	E
Styrene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0.64	0		0	0	0	400	400	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	1.08	432		0	0	0	400	400	0	0%	0	0	0%	
Toluene	A	ppbv	10.69	4276		0	0	0	400	400	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	400	400	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	2182.4	2182.4	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	2746	2746	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	3065.6	3065.6	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	2182.4	2182.4	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	1618.8	1618.8	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751528	1103120-006A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\3/23/2011 11:24:		400	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	1586	1586	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	2968.4	2968.4	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	10.0778	4031.12		0	0	0	1966.4	1966.4	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	3075.2	3075.2	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	2404.8	2404.8	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	1618.8	1618.8	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	1848.4	1848.4	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	6.24332	2497.328		0	0	0	1966.4	1966.4	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	2.49956	999.824		0	0	0	884.8	884.8	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	2404.8	2404.8	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	2404.8	2404.8	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	1441.6	1441.6	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	0	0		0	0	0	1179.6	1179.6	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	2.58111	0		0	0	0	1638.8	1638.8	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	1.5977	0		0	0	0	983.2	983.2	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	1639.2	1639.2	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	3.01625	1206.5		0	0	0	950	950	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	9.29745	3718.98		0	0	0	1278	1278	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	2070.8	2070.8	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	2679.6	2679.6	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	4134.8	4134.8	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	1553.2	1553.2	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	1245.6	1245.6	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	2516.4	2516.4	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	1841.6	1841.6	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	3407.6	3407.6	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	1055.2	1055.2	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	1953.2	1953.2	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	826	826	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	1586	1586	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	1815.6	1815.6	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	11.8749	4749.96		0	0	0	1376.8	1376.8	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	1978	1978	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751528	1103120-006A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311\3/23/2011 11:24:		400	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethanol-ug/m3	C	µg/m³	1.62024	0		0	0	0	753.6	753.6	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	1441.2	1441.2	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	9.94318	3977.272		0	0	0	1736.8	1736.8	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	11.8871	4754.84		0	0	0	1639.6	1639.6	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	4266	4266	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	66.95364	26781.456		0	0	0	6947.2	6947.2	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	6.21846	2487.384		0	0	0	1389.6	1389.6	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	6.1335	2453.4		0	0	0	1410	1410	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	3.72182	0		0	0	0	2096.8	2096.8	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	11.46288	4585.152		0	0	0	1736.8	1736.8	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	6.58744	2634.976		0	0	0	1966.4	1966.4	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	153.15179	61260.716		0	0	0	688.4	688.4	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	1704	1704	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	2.3072	0		0	0	0	1442	1442	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	2712.8	2712.8	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	3.18492	1273.968		0	0	0	1179.6	1179.6	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	40.29061	16116.244		0	0	0	1507.6	1507.6	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	1586	1586	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	1815.6	1815.6	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	2149.6	2149.6	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	2247.2	2247.2	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	1408.4	1408.4	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	1022.4	1022.4	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	5000		5000	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	5000		5000	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	5000		5000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.78	5112		5000	0	0	0	0	0	102%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751529	1103120-007A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\3/24/2011 12:08:		800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	1.29	1032		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	1.09	872		0	0	0	800	800	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	0.65	0		0	0	0	800	800	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
2-Butanone	A	ppbv	0.56	0		0	0	0	800	800	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0.69	0		0	0	0	800	800	0	0%	0	0	0%	
2-Propanol	A	ppbv	0.78	0		0	0	0	800	800	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Acetone	A	ppbv	2.25	1800		0	0	0	800	800	0	0%	0	0	0%	
Benzene	A	ppbv	3.14	2512		0	0	0	800	800	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751529	1103120-007A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311\	3/24/2011 12:08:	800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chloromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Cyclohexane	A	ppbv	1.69	1352		0	0	0	800	800	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Ethanol	A	ppbv	1.02	816		0	0	0	800	800	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	1.67	1336		0	0	0	800	800	0	0%	0	0	0%	
Heptane	A	ppbv	1.73	1384		0	0	0	800	800	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	4.88	3904		0	0	0	1600	1600	0	0%	0	0	0%	
Methylene chloride	A	ppbv	4.33	3464		0	0	0	800	800	0	0%	0	0	0%	
n-Hexane	A	ppbv	1.49	1192		0	0	0	800	800	0	0%	0	0	0%	
Naphthalene	A	ppbv	0.87	0		0	0	0	800	800	0	0%	0	0	0%	
o-Xylene	A	ppbv	1.78	1424		0	0	0	800	800	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Propylene	A	ppbv	65.85	52680		0	0	0	800	800	0	0%	0	0	0%	E
Styrene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0.65	0		0	0	0	800	800	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0.7	0		0	0	0	800	800	0	0%	0	0	0%	
Toluene	A	ppbv	6.48	5184		0	0	0	800	800	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	4364.8	4364.8	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	5492	5492	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	6131.2	6131.2	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	4364.8	4364.8	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	3237.6	3237.6	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751529	1103120-007A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\3/24/2011 12:08:		800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	5936.8	5936.8	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	6.34164	5073.312		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	6150.4	6150.4	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	3237.6	3237.6	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	3696.8	3696.8	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	5.35844	4286.752		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	1.4378	0		0	0	0	1769.6	1769.6	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	2883.2	2883.2	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	1.65144	0		0	0	0	2359.2	2359.2	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	2.82693	0		0	0	0	3277.6	3277.6	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	1.91724	0		0	0	0	1966.4	1966.4	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	3278.4	3278.4	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	5.34375	4275		0	0	0	1900	1900	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	10.0323	8025.84		0	0	0	2556	2556	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	4141.6	4141.6	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	5359.2	5359.2	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	8269.6	8269.6	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	3106.4	3106.4	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	2491.2	2491.2	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	5032.8	5032.8	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	3683.2	3683.2	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	6815.2	6815.2	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	2110.4	2110.4	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	3906.4	3906.4	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	1652	1652	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	3631.2	3631.2	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	5.81698	4653.584		0	0	0	2753.6	2753.6	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	3956	3956	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751529	1103120-007A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\I\DATA\032311\3/24/2011 12:08:		800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethanol-ug/m3	C	µg/m³	1.92168	1537.344		0	0	0	1507.2	1507.2	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	2882.4	2882.4	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	7.25114	5800.912		0	0	0	3473.6	3473.6	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	7.09127	5673.016		0	0	0	3279.2	3279.2	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	8532	8532	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	42.37792	33902.336		0	0	0	13894.4	13894.4	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	15.04242	12033.936		0	0	0	2779.2	2779.2	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	5.25225	4201.8		0	0	0	2820	2820	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	4.56054	0		0	0	0	4193.6	4193.6	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	7.72876	6183.008		0	0	0	3473.6	3473.6	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	113.32785	90662.28		0	0	0	1376.8	1376.8	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	3408	3408	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	2.34325	0		0	0	0	2884	2884	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	5425.6	5425.6	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	2.0643	0		0	0	0	2359.2	2359.2	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	24.42312	19538.496		0	0	0	3015.2	3015.2	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	3631.2	3631.2	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	4299.2	4299.2	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	4494.4	4494.4	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	2816.8	2816.8	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	2044.8	2044.8	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	10000		10000	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	10000		10000	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	10000		10000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.97	10376		10000	0	0	0	0	0	104%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751530	1103120-008A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\3/24/2011 12:53:		800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	1.82	1456		0	0	0	800	800	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
2-Butanone	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0.6	0		0	0	0	800	800	0	0%	0	0	0%	
2-Propanol	A	ppbv	0.69	0		0	0	0	800	800	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Acetone	A	ppbv	2.09	1672		0	0	0	800	800	0	0%	0	0	0%	
Benzene	A	ppbv	6.57	5256		0	0	0	800	800	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751530	1103120-008A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311\3/24/2011 12:53:		800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chloromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Cyclohexane	A	ppbv	2.71	2168		0	0	0	800	800	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Ethanol	A	ppbv	0.86	0		0	0	0	800	800	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	0.65	0		0	0	0	800	800	0	0%	0	0	0%	
Heptane	A	ppbv	2.12	1696		0	0	0	800	800	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	1.13	0		0	0	0	1600	1600	0	0%	0	0	0%	
Methylene chloride	A	ppbv	2.87	2296		0	0	0	800	800	0	0%	0	0	0%	
n-Hexane	A	ppbv	2	1600		0	0	0	800	800	0	0%	0	0	0%	
Naphthalene	A	ppbv	0.7	0		0	0	0	800	800	0	0%	0	0	0%	
o-Xylene	A	ppbv	0.66	0		0	0	0	800	800	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Propylene	A	ppbv	83.48	66784		0	0	0	800	800	0	0%	0	0	0%	E
Styrene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0.65	0		0	0	0	800	800	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0.95	0		0	0	0	800	800	0	0%	0	0	0%	
Toluene	A	ppbv	1.58	1264		0	0	0	800	800	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	4364.8	4364.8	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	5492	5492	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	6131.2	6131.2	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	4364.8	4364.8	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	3237.6	3237.6	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751530	1103120-008A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311\3/24/2011 12:53:		800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	5936.8	5936.8	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	6150.4	6150.4	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	3237.6	3237.6	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	3696.8	3696.8	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	4.02584	3220.672		0	0	0	1769.6	1769.6	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	2883.2	2883.2	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	0	0		0	0	0	2359.2	2359.2	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	2.4582	0		0	0	0	3277.6	3277.6	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	1.69602	0		0	0	0	1966.4	1966.4	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	3278.4	3278.4	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	4.96375	3971		0	0	0	1900	1900	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	20.99115	16792.92		0	0	0	2556	2556	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	4141.6	4141.6	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	5359.2	5359.2	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	8269.6	8269.6	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	3106.4	3106.4	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	2491.2	2491.2	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	5032.8	5032.8	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	3683.2	3683.2	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	6815.2	6815.2	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	2110.4	2110.4	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	3906.4	3906.4	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	1652	1652	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	3631.2	3631.2	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	9.32782	7462.256		0	0	0	2753.6	2753.6	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	3956	3956	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751530	1103120-008A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311\3/24/2011 12:53:		800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethanol-ug/m3	C	µg/m³	1.62024	0		0	0	0	1507.2	1507.2	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	2882.4	2882.4	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	2.8223	0		0	0	0	3473.6	3473.6	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	8.68988	6951.904		0	0	0	3279.2	3279.2	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	8532	8532	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	9.81292	0		0	0	0	13894.4	13894.4	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	9.97038	7976.304		0	0	0	2779.2	2779.2	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	7.05	5640		0	0	0	2820	2820	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	3.6694	0		0	0	0	4193.6	4193.6	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	2.86572	0		0	0	0	3473.6	3473.6	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	143.66908	114935.264		0	0	0	1376.8	1376.8	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	3408	3408	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	2.34325	0		0	0	0	2884	2884	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	5425.6	5425.6	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	2.80155	0		0	0	0	2359.2	2359.2	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	5.95502	4764.016		0	0	0	3015.2	3015.2	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	3631.2	3631.2	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	4299.2	4299.2	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	4494.4	4494.4	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	2816.8	2816.8	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	2044.8	2044.8	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	10000		10000	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	10000		10000	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	10000		10000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	13.16	10528		10000	0	0	0	0	0	105%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751531	1103120-011A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\032311\3/24/2011 1:38:0		800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	3.87	3096		0	0	0	800	800	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
2-Butanone	A	ppbv	0.52	0		0	0	0	800	800	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0.66	0		0	0	0	800	800	0	0%	0	0	0%	
2-Propanol	A	ppbv	0.8	0		0	0	0	800	800	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Acetone	A	ppbv	2.04	1632		0	0	0	800	800	0	0%	0	0	0%	
Benzene	A	ppbv	10.42	8336		0	0	0	800	800	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	

Scq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751531	1103120-011A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\3/24/2011 1:38:0		800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chloromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Cyclohexane	A	ppbv	2.5	2000		0	0	0	800	800	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Ethanol	A	ppbv	0.99	0		0	0	0	800	800	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	0.72	0		0	0	0	800	800	0	0%	0	0	0%	
Heptane	A	ppbv	1.65	1320		0	0	0	800	800	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	1.15	0		0	0	0	1600	1600	0	0%	0	0	0%	
Methylene chloride	A	ppbv	3.25	2600		0	0	0	800	800	0	0%	0	0	0%	
n-Hexane	A	ppbv	2.57	2056		0	0	0	800	800	0	0%	0	0	0%	
Naphthalene	A	ppbv	0.85	0		0	0	0	800	800	0	0%	0	0	0%	
o-Xylene	A	ppbv	0.66	0		0	0	0	800	800	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Propylene	A	ppbv	75.46	60368		0	0	0	800	800	0	0%	0	0	0%	E
Styrene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0.67	0		0	0	0	800	800	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0.96	0		0	0	0	800	800	0	0%	0	0	0%	
Toluene	A	ppbv	2.41	1928		0	0	0	800	800	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	4364.8	4364.8	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	5492	5492	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	6131.2	6131.2	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	4364.8	4364.8	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	3237.6	3237.6	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751531	1103120-011A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311\3/24/2011 1:38:0		800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	5936.8	5936.8	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	6150.4	6150.4	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	3237.6	3237.6	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	3696.8	3696.8	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	8.56044	6848.352		0	0	0	1769.6	1769.6	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	2883.2	2883.2	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	1.53348	0		0	0	0	2359.2	2359.2	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	2.70402	0		0	0	0	3277.6	3277.6	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	1.9664	0		0	0	0	1966.4	1966.4	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	3278.4	3278.4	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	4.845	3876		0	0	0	1900	1900	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	33.2919	26633.52		0	0	0	2556	2556	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	4141.6	4141.6	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	5359.2	5359.2	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	8269.6	8269.6	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	3106.4	3106.4	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	2491.2	2491.2	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	5032.8	5032.8	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	3683.2	3683.2	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	6815.2	6815.2	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	2110.4	2110.4	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	3906.4	3906.4	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	1652	1652	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	3631.2	3631.2	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	8.605	6884		0	0	0	2753.6	2753.6	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	3956	3956	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751531	1103120-011A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\032311	3/24/2011 1:38:0	800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethanol-ug/m3	C	µg/m³	1.86516	0		0	0	0	1507.2	1507.2	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	2882.4	2882.4	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	3.12624	0		0	0	0	3473.6	3473.6	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	6.76335	5410.68		0	0	0	3279.2	3279.2	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	8532	8532	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	9.9866	0		0	0	0	13894.4	13894.4	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	11.2905	9032.4		0	0	0	2779.2	2779.2	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	9.05925	7247.4		0	0	0	2820	2820	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	4.4557	0		0	0	0	4193.6	4193.6	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	2.86572	0		0	0	0	3473.6	3473.6	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	129.86666	103893.328		0	0	0	1376.8	1376.8	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	3408	3408	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	2.41535	0		0	0	0	2884	2884	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	5425.6	5425.6	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	2.83104	0		0	0	0	2359.2	2359.2	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	9.08329	7266.632		0	0	0	3015.2	3015.2	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	3631.2	3631.2	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	4299.2	4299.2	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	4494.4	4494.4	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	2816.8	2816.8	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	2044.8	2044.8	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	10000		10000	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	10000		10000	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	10000		10000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	13.08	10464		10000	0	0	0	0	0	105%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751532	1103120-012A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311\3/24/2011 2:23:0		800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0.64	0		0	0	0	800	800	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	2.6	2080		0	0	0	800	800	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
2-Butanone	A	ppbv	0.5	0		0	0	0	800	800	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0.62	0		0	0	0	800	800	0	0%	0	0	0%	
2-Propanol	A	ppbv	0.69	0		0	0	0	800	800	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Acetone	A	ppbv	1.67	1336		0	0	0	800	800	0	0%	0	0	0%	
Benzene	A	ppbv	12.9	10320		0	0	0	800	800	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751532	1103120-012A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311\	3/24/2011 2:23:0	800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chloromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Cyclohexane	A	ppbv	2.54	2032		0	0	0	800	800	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Ethanol	A	ppbv	0.96	0		0	0	0	800	800	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	0.7	0		0	0	0	800	800	0	0%	0	0	0%	
Heptane	A	ppbv	1.7	1360		0	0	0	800	800	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	1.11	0		0	0	0	1600	1600	0	0%	0	0	0%	
Methylene chloride	A	ppbv	3.88	3104		0	0	0	800	800	0	0%	0	0	0%	
n-Hexane	A	ppbv	2.67	2136		0	0	0	800	800	0	0%	0	0	0%	
Naphthalene	A	ppbv	0.81	0		0	0	0	800	800	0	0%	0	0	0%	
o-Xylene	A	ppbv	0.67	0		0	0	0	800	800	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Propylene	A	ppbv	57.42	45936		0	0	0	800	800	0	0%	0	0	0%	E
Styrene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0.66	0		0	0	0	800	800	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	0.98	0		0	0	0	800	800	0	0%	0	0	0%	
Toluene	A	ppbv	2.93	2344		0	0	0	800	800	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	4364.8	4364.8	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	5492	5492	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	6131.2	6131.2	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	4364.8	4364.8	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	3237.6	3237.6	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751532	1103120-012A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\3/24/2011 2:23:0		800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	5936.8	5936.8	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	6150.4	6150.4	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	3237.6	3237.6	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	3696.8	3696.8	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	3.14624	0		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	5.7512	4600.96		0	0	0	1769.6	1769.6	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	2883.2	2883.2	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	1.4745	0		0	0	0	2359.2	2359.2	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	2.54014	0		0	0	0	3277.6	3277.6	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	1.69602	0		0	0	0	1966.4	1966.4	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	3278.4	3278.4	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	3.96625	3173		0	0	0	1900	1900	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	41.2155	32972.4		0	0	0	2556	2556	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	4141.6	4141.6	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	5359.2	5359.2	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	8269.6	8269.6	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	3106.4	3106.4	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	2491.2	2491.2	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	5032.8	5032.8	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	3683.2	3683.2	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	6815.2	6815.2	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	2110.4	2110.4	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	3906.4	3906.4	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	1652	1652	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	3631.2	3631.2	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	8.74268	6994.144		0	0	0	2753.6	2753.6	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	3956	3956	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751532	1103120-012A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311\3/24/2011 2:23:0		800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethanol-ug/m3	C	µg/m³	1.80864	0		0	0	0	1507.2	1507.2	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	2882.4	2882.4	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	3.0394	0		0	0	0	3473.6	3473.6	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	6.9683	5574.64		0	0	0	3279.2	3279.2	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	8532	8532	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	9.63924	0		0	0	0	13894.4	13894.4	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	13.47912	10783.296		0	0	0	2779.2	2779.2	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	9.41175	7529.4		0	0	0	2820	2820	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	4.24602	0		0	0	0	4193.6	4193.6	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	2.90914	0		0	0	0	3473.6	3473.6	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	98.81982	79055.856		0	0	0	1376.8	1376.8	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	3408	3408	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	2.3793	0		0	0	0	2884	2884	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	5425.6	5425.6	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	2.89002	0		0	0	0	2359.2	2359.2	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	11.04317	8834.536		0	0	0	3015.2	3015.2	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	3631.2	3631.2	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	4299.2	4299.2	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	4494.4	4494.4	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	2816.8	2816.8	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	2044.8	2044.8	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	10000		10000	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	10000		10000	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	10000		10000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	13.15	10520		10000	0	0	0	0	0	105%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751533	1103120-014A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\I\DATA\032311\3/24/2011 3:08:0		800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0.61	0		0	0	0	800	800	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	3.28	2624		0	0	0	800	800	0	0%	0	0	0%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
2-Butanone	A	ppbv	0.51	0		0	0	0	800	800	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0.61	0		0	0	0	800	800	0	0%	0	0	0%	
2-Propanol	A	ppbv	0.73	0		0	0	0	800	800	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Acetone	A	ppbv	1.76	1408		0	0	0	800	800	0	0%	0	0	0%	
Benzene	A	ppbv	9.29	7432		0	0	0	800	800	0	0%	0	0	0%	
Benzyl chloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751533	1103120-014A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311\3/24/2011 3:08:0		800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chloromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Cyclohexane	A	ppbv	6.17	4936		0	0	0	800	800	0	0%	0	0	0%	
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Ethanol	A	ppbv	0.57	0		0	0	0	800	800	0	0%	0	0	0%	
Ethyl acetate	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	0.66	0		0	0	0	800	800	0	0%	0	0	0%	
Heptane	A	ppbv	3.64	2912		0	0	0	800	800	0	0%	0	0	0%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	1.1	0		0	0	0	1600	1600	0	0%	0	0	0%	
Methylene chloride	A	ppbv	3.66	2928		0	0	0	800	800	0	0%	0	0	0%	
n-Hexane	A	ppbv	5.84	4672		0	0	0	800	800	0	0%	0	0	0%	
Naphthalene	A	ppbv	0.7	0		0	0	0	800	800	0	0%	0	0	0%	
o-Xylene	A	ppbv	0.63	0		0	0	0	800	800	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Propylene	A	ppbv	115.68	92544		0	0	0	800	800	0	0%	0	0	0%	E
Styrene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0.64	0		0	0	0	800	800	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	1.93	1544		0	0	0	800	800	0	0%	0	0	0%	
Toluene	A	ppbv	1.74	1392		0	0	0	800	800	0	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	4364.8	4364.8	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	5492	5492	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	6131.2	6131.2	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	4364.8	4364.8	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	3237.6	3237.6	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751533	1103120-014A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\\1\DATA\032311\3/24/2011 3:08:0		800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	5936.8	5936.8	0	0%	0	0	0%	
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	6150.4	6150.4	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	3237.6	3237.6	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	3696.8	3696.8	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	2.99876	0		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	7.25536	5804.288		0	0	0	1769.6	1769.6	0	0%	0	0	0%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	2883.2	2883.2	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	1.50399	0		0	0	0	2359.2	2359.2	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	2.49917	0		0	0	0	3277.6	3277.6	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	1.79434	0		0	0	0	1966.4	1966.4	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	3278.4	3278.4	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	4.18	3344		0	0	0	1900	1900	0	0%	0	0	0%	
Benzene-ug/m3	C	µg/m³	29.68155	23745.24		0	0	0	2556	2556	0	0%	0	0	0%	
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	4141.6	4141.6	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	5359.2	5359.2	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	8269.6	8269.6	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	3106.4	3106.4	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	2491.2	2491.2	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	5032.8	5032.8	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	3683.2	3683.2	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	6815.2	6815.2	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	2110.4	2110.4	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	3906.4	3906.4	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	1652	1652	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	3631.2	3631.2	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	21.23714	16989.712		0	0	0	2753.6	2753.6	0	0%	0	0	0%	
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	3956	3956	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751533	1103120-014A (Container-01 of 01)	EPA_TO15-ug/	SAMP	\1\DATA\032311\3/24/2011 3:08:0		800	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethanol-ug/m3	C	µg/m³	1.07388	0		0	0	0	1507.2	1507.2	0	0%	0	0	0%	
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	2882.4	2882.4	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	2.86572	0		0	0	0	3473.6	3473.6	0	0%	0	0	0%	
Heptane-ug/m3	C	µg/m³	14.92036	11936.288		0	0	0	3279.2	3279.2	0	0%	0	0	0%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	8532	8532	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	9.5524	0		0	0	0	13894.4	13894.4	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	12.71484	10171.872		0	0	0	2779.2	2779.2	0	0%	0	0	0%	
n-Hexane-ug/m3	C	µg/m³	20.586	16468.8		0	0	0	2820	2820	0	0%	0	0	0%	
Naphthalene-ug/m3	C	µg/m³	3.6694	0		0	0	0	4193.6	4193.6	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	2.73546	0		0	0	0	3473.6	3473.6	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	199.08528	159268.224		0	0	0	1376.8	1376.8	0	0%	0	0	0%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	3408	3408	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	2.3072	0		0	0	0	2884	2884	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	5425.6	5425.6	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	5.69157	4553.256		0	0	0	2359.2	2359.2	0	0%	0	0	0%	
Toluene-ug/m3	C	µg/m³	6.55806	5246.448		0	0	0	3015.2	3015.2	0	0%	0	0	0%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	3631.2	3631.2	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	4299.2	4299.2	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	4494.4	4494.4	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	2816.8	2816.8	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	2044.8	2044.8	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	10000		10000	0	0	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	10000		10000	0	0	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	10000		10000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	13.16	10528		10000	0	0	0	0	0	105%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751536	1103120-014ADUP	EPA_TO15-ug/	DUP	\1\DATA\032311\3/24/2011 3:56:0		800	R39579		0	751533	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751536	1103120-014ADUP	EPA_TO15-ug/	DUP	\I\DATA\032311\3/24/2011 3:56:0		800	R39579		0	751533	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,2-Trichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1-Dichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2,4-Trichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2,4-Trimethylbenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dibromoethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,2-Dichloropropane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,3,5-Trimethylbenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,3-Butadiene	A	ppbv	2.69	2152		0	0	2624	800	800	0	0%	0	0	20%	
1,3-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,4-Dichlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,4-Dioxane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
2-Butanone	A	ppbv	0.51	0		0	0	0	800	800	0	0%	0	0	0%	
2-Hexanone	A	ppbv	0.58	0		0	0	0	800	800	0	0%	0	0	0%	
2-Propanol	A	ppbv	0.68	0		0	0	0	800	800	0	0%	0	0	0%	
4-Methyl-2-pentanone	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Acetone	A	ppbv	1.57	1256		0	0	1408	800	800	0	0%	0	0	11%	
Benzene	A	ppbv	6.75	5400		0	0	7432	800	800	0	0%	0	0	32%	R
Benzyl chloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromodichloromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromoform	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Bromomethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Carbon disulfide	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Carbon tetrachloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chlorobenzene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chlorodibromomethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chloroethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chloroform	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Chloromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751536	1103120-014ADUP	EPA_TO15-ug/	DUP	\I\DATA\032311\3/24/2011 3:56:0		800	R39579		0	751533	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
cis-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
cis-1,3-dichloropropene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Cyclohexane	A	ppbv	4.7	3760		0	0	4936	800	800	0	0%	0	0	27%	R
Dichlorodifluoromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Ethanol	A	ppbv	1.18	944		0	0	0	800	800	0	0%	0	0	200%	R
Ethyl acetate	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Ethylbenzene	A	ppbv	0.71	0		0	0	0	800	800	0	0%	0	0	0%	
Heptane	A	ppbv	3.13	2504		0	0	2912	800	800	0	0%	0	0	15%	
Hexachlorobutadiene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
m,p-Xylene	A	ppbv	1.16	0		0	0	0	1600	1600	0	0%	0	0	0%	
Methylene chloride	A	ppbv	2.84	2272		0	0	2928	800	800	0	0%	0	0	25%	R
n-Hexane	A	ppbv	4.54	3632		0	0	4672	800	800	0	0%	0	0	25%	R
Naphthalene	A	ppbv	0.58	0		0	0	0	800	800	0	0%	0	0	0%	
o-Xylene	A	ppbv	0.7	0		0	0	0	800	800	0	0%	0	0	0%	
p-Ethyltoluene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Propylene	A	ppbv	96.37	77096		0	0	92544	800	800	0	0%	0	0	18%	E
Styrene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
tert-Butyl Methyl Ether	A	ppbv	0.69	0		0	0	0	800	800	0	0%	0	0	0%	
Tetrachloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Tetrahydrofuran	A	ppbv	1.56	1248		0	0	1544	800	800	0	0%	0	0	21%	
Toluene	A	ppbv	1.63	1304		0	0	1392	800	800	0	0%	0	0	7%	
trans-1,2-Dichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
trans-1,3-dichloropropene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Trichloroethene	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Trichlorofluoromethane	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Vinyl acetate	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
Vinyl chloride	A	ppbv	0	0		0	0	0	800	800	0	0%	0	0	0%	
1,1,1-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	4364.8	4364.8	0	0%	0	0	0%	
1,1,2,2-Tetrachloroethane-ug/m3	C	µg/m³	0	0		0	0	0	5492	5492	0	0%	0	0	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	C	µg/m³	0	0		0	0	0	6131.2	6131.2	0	0%	0	0	0%	
1,1,2-Trichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	4364.8	4364.8	0	0%	0	0	0%	
1,1-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	3237.6	3237.6	0	0%	0	0	0%	
1,1-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
1,2,4-Trichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	5936.8	5936.8	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751536	1103120-014ADUP	EPA_TO15-ug/	DUP	\1\DATA\032311\3/24/2011 3:56:0		800	R39579		0	751533	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
1,2-Dibromoethane-ug/m3	C	µg/m³	0	0		0	0	0	6150.4	6150.4	0	0%	0	0	0%	
1,2-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,2-Dichloroethane-ug/m3	C	µg/m³	0	0		0	0	0	3237.6	3237.6	0	0%	0	0	0%	
1,2-Dichloropropane-ug/m3	C	µg/m³	0	0		0	0	0	3696.8	3696.8	0	0%	0	0	0%	
1,3,5-Trimethylbenzene-ug/m3	C	µg/m³	0	0		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
1,3-Butadiene-ug/m3	C	µg/m³	5.95028	4760.224		0	0	5804.288	1769.6	1769.6	0	0%	0	0	20%	
1,3-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,4-Dichlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	4809.6	4809.6	0	0%	0	0	0%	
1,4-Dioxane-ug/m3	C	µg/m³	0	0		0	0	0	2883.2	2883.2	0	0%	0	0	0%	
2-Butanone-ug/m3	C	µg/m³	1.50399	0		0	0	0	2359.2	2359.2	0	0%	0	0	0%	
2-Hexanone-ug/m3	C	µg/m³	2.37626	0		0	0	0	3277.6	3277.6	0	0%	0	0	0%	
2-Propanol-ug/m3	C	µg/m³	1.67144	0		0	0	0	1966.4	1966.4	0	0%	0	0	0%	
4-Methyl-2-pentanone-ug/m3	C	µg/m³	0	0		0	0	0	3278.4	3278.4	0	0%	0	0	0%	
Acetone-ug/m3	C	µg/m³	3.72875	2983		0	0	3344	1900	1900	0	0%	0	0	11%	
Benzene-ug/m3	C	µg/m³	21.56625	17253		0	0	23745.24	2556	2556	0	0%	0	0	32%	R
Benzyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	4141.6	4141.6	0	0%	0	0	0%	
Bromodichloromethane-ug/m3	C	µg/m³	0	0		0	0	0	5359.2	5359.2	0	0%	0	0	0%	
Bromoform-ug/m3	C	µg/m³	0	0		0	0	0	8269.6	8269.6	0	0%	0	0	0%	
Bromomethane-ug/m3	C	µg/m³	0	0		0	0	0	3106.4	3106.4	0	0%	0	0	0%	
Carbon disulfide-ug/m3	C	µg/m³	0	0		0	0	0	2491.2	2491.2	0	0%	0	0	0%	
Carbon tetrachloride-ug/m3	C	µg/m³	0	0		0	0	0	5032.8	5032.8	0	0%	0	0	0%	
Chlorobenzene-ug/m3	C	µg/m³	0	0		0	0	0	3683.2	3683.2	0	0%	0	0	0%	
Chlorodibromomethane-ug/m3	C	µg/m³	0	0		0	0	0	6815.2	6815.2	0	0%	0	0	0%	
Chloroethane-ug/m3	C	µg/m³	0	0		0	0	0	2110.4	2110.4	0	0%	0	0	0%	
Chloroform-ug/m3	C	µg/m³	0	0		0	0	0	3906.4	3906.4	0	0%	0	0	0%	
Chloromethane-ug/m3	C	µg/m³	0	0		0	0	0	1652	1652	0	0%	0	0	0%	
cis-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
cis-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	3631.2	3631.2	0	0%	0	0	0%	
Cyclohexane-ug/m3	C	µg/m³	16.1774	12941.92		0	0	16989.712	2753.6	2753.6	0	0%	0	0	27%	R
Dichlorodifluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	3956	3956	0	0%	0	0	0%	
Ethanol-ug/m3	C	µg/m³	2.22312	1778.496		0	0	0	1507.2	1507.2	0	0%	0	0	200%	R
Ethyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	2882.4	2882.4	0	0%	0	0	0%	
Ethyl benzene-ug/m3	C	µg/m³	3.08282	0		0	0	0	3473.6	3473.6	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751536	1103120-014ADUP	EPA_TO15-ug/	DUP	\\1\DATA\032311\3/24/2011 3:56:0		800	R39579		0	751533	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Heptane-ug/m3	C	µg/m³	12.82987	10263.896		0	0	11936.288	3279.2	3279.2	0	0%	0	0	15%	
Hexachlorobutadiene-ug/m3	C	µg/m³	0	0		0	0	0	8532	8532	0	0%	0	0	0%	
m,p-Xylene-ug/m3	C	µg/m³	10.07344	0		0	0	0	13894.4	13894.4	0	0%	0	0	0%	
Methylene chloride-ug/m3	C	µg/m³	9.86616	7892.928		0	0	10171.872	2779.2	2779.2	0	0%	0	0	25%	R
n-Hexane-ug/m3	C	µg/m³	16.0035	12802.8		0	0	16468.8	2820	2820	0	0%	0	0	25%	R
Naphthalene-ug/m3	C	µg/m³	3.04036	0		0	0	0	4193.6	4193.6	0	0%	0	0	0%	
o-Xylene-ug/m3	C	µg/m³	3.0394	0		0	0	0	3473.6	3473.6	0	0%	0	0	0%	
p-Ethyltoluene-ug/m3	C	µg/m³	0	0		0	0	0	3932.8	3932.8	0	0%	0	0	0%	
Propylene-ug/m3	C	µg/m³	165.85277	132682.216		0	0	159268.22	1376.8	1376.8	0	0%	0	0	18%	
Styrene-ug/m3	C	µg/m³	0	0		0	0	0	3408	3408	0	0%	0	0	0%	
tert-Butyl methyl ether-ug/m3	C	µg/m³	2.48745	0		0	0	0	2884	2884	0	0%	0	0	0%	
Tetrachloroethene-ug/m3	C	µg/m³	0	0		0	0	0	5425.6	5425.6	0	0%	0	0	0%	
Tetrahydrofuran-ug/m3	C	µg/m³	4.60044	3680.352		0	0	4553.256	2359.2	2359.2	0	0%	0	0	21%	
Toluene-ug/m3	C	µg/m³	6.14347	4914.776		0	0	5246.448	3015.2	3015.2	0	0%	0	0	7%	
trans-1,2-Dichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	3172	3172	0	0%	0	0	0%	
trans-1,3-Dichloropropene-ug/m3	C	µg/m³	0	0		0	0	0	3631.2	3631.2	0	0%	0	0	0%	
Trichloroethene-ug/m3	C	µg/m³	0	0		0	0	0	4299.2	4299.2	0	0%	0	0	0%	
Trichlorofluoromethane-ug/m3	C	µg/m³	0	0		0	0	0	4494.4	4494.4	0	0%	0	0	0%	
Vinyl acetate-ug/m3	C	µg/m³	0	0		0	0	0	2816.8	2816.8	0	0%	0	0	0%	
Vinyl chloride-ug/m3	C	µg/m³	0	0		0	0	0	2044.8	2044.8	0	0%	0	0	0%	
1,4-Difluorobenzene	I	ppbv	12.5	10000		10000	0	10000	0	0	0	100%	80	120	0%	
Bromochloromethane	I	ppbv	12.5	10000		10000	0	10000	0	0	0	100%	80	120	0%	
Chlorobenzene-d5	I	ppbv	12.5	10000		10000	0	10000	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	ppbv	12.87	10296		10000	0	10528	0	0	0	103%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751520	TO15 RLVS 20cc v	EPA_TO15	RLVS	\\1\DATA\032311\3/24/2011 7:37:0		1	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1-Trichloroethane	A	ppbv	1.2	1.2		9.96	0	0	0.5	0.5	0	12%	70	130	0%	S
1,1,2,2-Tetrachloroethane	A	ppbv	1.05	1.05		1	0	0	0.5	0.5	0	105%	70	130	0%	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	ppbv	1.24	1.24		0.98	0	0	0.5	0.5	0	127%	70	130	0%	
1,1,2-Trichloroethane	A	ppbv	1.11	1.11		0.98	0	0	0.5	0.5	0	113%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751520	TO15 RLVS 20cc v	EPA_TO15	RLVS	\\1\DATA\032311\3/24/2011 7:37:0		1	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1-Dichloroethane	A	ppbv	1.18	1.18		0.97	0	0	0.5	0.5	0	122%	70	130	0%	
1,1-Dichloroethene	A	ppbv	1.35	1.35		0.99	0	0	0.5	0.5	0	136%	70	130	0%	S
1,2,4-Trichlorobenzene	A	ppbv	0.63	0.63		0.91	0	0	0.5	0.5	0	69%	70	130	0%	S
1,2,4-Trimethylbenzene	A	ppbv	1.08	1.08		0.98	0	0	0.5	0.5	0	110%	70	130	0%	
1,2-Dibromoethane	A	ppbv	1.06	1.06		0.96	0	0	0.5	0.5	0	110%	70	130	0%	
1,2-Dichlorobenzene	A	ppbv	1.07	1.07		0.97	0	0	0.5	0.5	0	110%	70	130	0%	
1,2-Dichloroethane	A	ppbv	1.18	1.18		0.97	0	0	0.5	0.5	0	122%	70	130	0%	
1,2-Dichloropropane	A	ppbv	1.14	1.14		0.98	0	0	0.5	0.5	0	116%	70	130	0%	
1,3,5-Trimethylbenzene	A	ppbv	1.27	1.27		0.97	0	0	0.5	0.5	0	131%	70	130	0%	S
1,3-Butadiene	A	ppbv	1.6	1.6		0.98	0	0	0.5	0.5	0	163%	70	130	0%	S
1,3-Dichlorobenzene	A	ppbv	1.05	1.05		0.97	0	0	0.5	0.5	0	108%	70	130	0%	
1,4-Dichlorobenzene	A	ppbv	1.07	1.07		0.96	0	0	0.5	0.5	0	111%	70	130	0%	
1,4-Dioxane	A	ppbv	1	1		0.96	0	0	1	1	0	104%	70	130	0%	
2-Butanone	A	ppbv	1.2	1.2		0.99	0	0	0.5	0.5	0	121%	70	130	0%	
2-Hexanone	A	ppbv	1.18	1.18		0.98	0	0	0.5	0.5	0	120%	70	130	0%	
2-Propanol	A	ppbv	1.12	1.12		1.01	0	0	0.5	0.5	0	111%	70	130	0%	
4-Methyl-2-pentanone	A	ppbv	1.02	1.02		1	0	0	0.5	0.5	0	102%	70	130	0%	
Acetone	A	ppbv	1.34	1.34		1	0	0	0.5	0.5	0	134%	70	130	0%	S
Benzene	A	ppbv	1.25	1.25		0.96	0	0	0.5	0.5	0	130%	70	130	0%	BS
Benzyl chloride	A	ppbv	0.91	0.91		0.97	0	0	0.5	0.5	0	94%	70	130	0%	
Bromodichloromethane	A	ppbv	1.1	1.1		0.96	0	0	0.5	0.5	0	115%	70	130	0%	
Bromoform	A	ppbv	1.06	1.06		0.96	0	0	0.5	0.5	0	110%	70	130	0%	
Bromomethane	A	ppbv	1.22	1.22		0.93	0	0	0.5	0.5	0	131%	70	130	0%	S
Carbon disulfide	A	ppbv	1.31	1.31		0.97	0	0	0.5	0.5	0	135%	70	130	0%	S
Carbon tetrachloride	A	ppbv	1.17	1.17		0.95	0	0	0.5	0.5	0	123%	70	130	0%	
Chlorobenzene	A	ppbv	1.19	1.19		0.99	0	0	0.5	0.5	0	120%	70	130	0%	
Chlorodibromomethane	A	ppbv	1.06	1.06		0.92	0	0	0.5	0.5	0	115%	70	130	0%	
Chloroethane	A	ppbv	1.22	1.22		0.98	0	0	0.5	0.5	0	124%	70	130	0%	
Chloroform	A	ppbv	1.26	1.26		0.94	0	0	0.5	0.5	0	134%	70	130	0%	S
Chloromethane	A	ppbv	1.45	1.45		0.98	0	0	0.5	0.5	0	148%	70	130	0%	S
cis-1,2-Dichloroethene	A	ppbv	1.17	1.17		0.98	0	0	0.5	0.5	0	119%	70	130	0%	
cis-1,3-dichloropropene	A	ppbv	1.04	1.04		0.95	0	0	0.5	0.5	0	109%	70	130	0%	
Cyclohexane	A	ppbv	1.33	1.33		0.98	0	0	0.5	0.5	0	136%	70	130	0%	BS
Dichlorodifluoromethane	A	ppbv	1.26	1.26		0.92	0	0	0.5	0.5	0	137%	70	130	0%	S

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751520	TO15 RLVS 20cc v	EPA_TO15	RLVS	\\I\DATA\032311\3/24/2011 7:37:0		1	R39579		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethanol	A	ppbv	1.21	1.21		0.92	0	0	1	1	0	132%	70	130	0%	S
Ethyl acetate	A	ppbv	1.03	1.03		0.98	0	0	0.5	0.5	0	105%	70	130	0%	
Ethylbenzene	A	ppbv	1.28	1.28		0.98	0	0	0.5	0.5	0	131%	70	130	0%	S
Heptane	A	ppbv	1.34	1.34		0.99	0	0	0.5	0.5	0	135%	70	130	0%	BS
Hexachlorobutadiene	A	ppbv	1.01	1.01		0.94	0	0	0.5	0.5	0	107%	70	130	0%	
m,p-Xylene	A	ppbv	2.47	2.47		1.92	0	0	1	1	0	129%	70	130	0%	
Methylene chloride	A	ppbv	1.42	1.42		1	0	0	0.5	0.5	0	142%	70	130	0%	S
n-Hexane	A	ppbv	1.36	1.36		1.01	0	0	0.5	0.5	0	135%	70	130	0%	BS
o-Xylene	A	ppbv	1.29	1.29		1	0	0	0.5	0.5	0	129%	70	130	0%	
Propylene	A	ppbv	2.04	2.04		1.02	0	0	0.5	0.5	0	200%	70	130	0%	BS
Styrene	A	ppbv	1.06	1.06		0.98	0	0	0.5	0.5	0	108%	70	130	0%	
tert-Butyl Methyl Ether	A	ppbv	1.31	1.31		0.99	0	0	0.5	0.5	0	132%	70	130	0%	S
Tetrachloroethene	A	ppbv	1.18	1.18		0.96	0	0	0.5	0.5	0	123%	70	130	0%	
Tetrahydrofuran	A	ppbv	1.14	1.14		1	0	0	0.5	0.5	0	114%	70	130	0%	
Toluene	A	ppbv	1.25	1.25		0.98	0	0	0.5	0.5	0	128%	70	130	0%	B
trans-1,2-Dichloroethene	A	ppbv	1.27	1.27		0.98	0	0	0.5	0.5	0	130%	70	130	0%	
trans-1,3-dichloropropene	A	ppbv	0.95	0.95		0.91	0	0	0.5	0.5	0	104%	70	130	0%	
Trichloroethene	A	ppbv	1.21	1.21		0.96	0	0	0.5	0.5	0	126%	70	130	0%	
Trichlorofluoromethane	A	ppbv	1.28	1.28		0.96	0	0	0.5	0.5	0	133%	70	130	0%	S
Vinyl acetate	A	ppbv	1.06	1.06		0.99	0	0	0.5	0.5	0	107%	70	130	0%	
Vinyl chloride	A	ppbv	1.33	1.33		0.94	0	0	0.5	0.5	0	141%	70	130	0%	S
Xylenes, Total	C	ppbv	3.76	3.76		2.92	0	0	1.5	1.5	0	129%	70	130	0%	
1,4-Difluorobenzene	I	ppbv	12.5	12.5		20	0	0	0	0	0	63%	70	130	0%	S
Bromochloromethane	I	ppbv	12.5	12.5		20	0	0	0	0	0	63%	70	130	0%	S
Chlorobenzene-d5	I	ppbv	12.5	12.5		20	0	0	0	0	0	63%	70	130	0%	S
4-Bromofluorobenzene	S	ppbv	12.42	12.42		12.5	0	0	0	0	0	99%	70	130	0%	

Spikes and Surrogates Report

RunID: VOA1_110317C **Analyst:** Michael Truchan

RunNo: 39558

Surrogates

SeqNo	SampID	TestCode	SampType	BatchID	DF
751006	TO15 CCV 40cc vo	EPA_TO15-ug/m3	CCV	R39558	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	12.5	12.61	100.88%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751007	TO15 RLVS 20cc v	EPA_TO15-ug/m3	RLVS	R39558	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	12.5	12.55	100.40%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751008	TO15 RLVS 20cc v	EPA_TO15-ug/m3	RLVS	R39558	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	12.5	12.32	98.56%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751040	MBLK	EPA_TO15-ug/m3	MBLK	R39558	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	12.5	12.59	100.72%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751452	1103120-001A	EPA_TO15-ug/m3	SAMP	R39558	2

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	25	27.12	108.48%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751453	1103120-013A	EPA_TO15-ug/m3	SAMP	R39558	40000

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☐	4-Bromofluorobenzene	500000	480800	96.16%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751454	1103120-013ADUP	EPA_TO15-ug/m3	DUP	R39558	40000

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☐	4-Bromofluorobenzene	500000	480000	96.00%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751455	1103120-002A	EPA_TO15-ug/m3	SAMP	R39558	80000

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	1000000	1032000	103.20%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751456	1103120-003A	EPA_TO15-ug/m3	SAMP	R39558	80000

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	1000000	1017600	101.76%	70	130		

Total Out: 0

Spikes and Surrogates Report

RunID: VOA1_110317C **Analyst:** Michael Truchan

RunNo: 39558

Surrogates

SeqNo	SampID	TestCode	SampType	BatchID	DF
751457	1103120-009A	EPA_TO15-ug/m3	SAMP	R39558	80000

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	1000000	1008800	100.88%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751459	1103120-004A	EPA_TO15-ug/m3	SAMP	R39558	40

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	500	500.4	100.08%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751460	1103120-005A	EPA_TO15-ug/m3	SAMP	R39558	40

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	500	469.2	93.84%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751461	1103120-006A	EPA_TO15-ug/m3	SAMP	R39558	40

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	500	779.6	155.92%	70	130	S	*

Total Out: 1

SeqNo	SampID	TestCode	SampType	BatchID	DF
751462	1103120-007A	EPA_TO15-ug/m3	SAMP	R39558	40

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	500	714.8	142.96%	70	130	S	*

Total Out: 1

SeqNo	SampID	TestCode	SampType	BatchID	DF
751463	1103120-008A	EPA_TO15-ug/m3	SAMP	R39558	40

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	500	595.2	119.04%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751464	1103120-010A	EPA_TO15-ug/m3	SAMP	R39558	40

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	500	513.2	102.64%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751465	TO15 L2 38cc voa	EPA_TO15-ug/m3	ICAL	R39558	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	0	12.36	0.00%	0	0		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751466	TO15 L3 20cc voa	EPA_TO15-ug/m3	ICAL	R39558	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	0	12.59	0.00%	0	0		

Total Out: 0

Spikes and Surrogates Report

RunID: VOA1_110317C **Analyst:** Michael Truchan

RunNo: 39558

Surrogates

SeqNo	SampID	TestCode	SampType	BatchID	DF
751467	TO15 L4 40cc voa	EPA_TO15-ug/m3	ICAL	R39558	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	0	12.55	0.00%	0	0		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751468	TO15 L5 48cc voa	EPA_TO15-ug/m3	ICAL	R39558	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	0	12.34	0.00%	0	0		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751469	TO15 L6 60cc voa	EPA_TO15-ug/m3	ICAL	R39558	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	0	12.57	0.00%	0	0		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751470	TO15 L7 80cc voa	EPA_TO15-ug/m3	ICAL	R39558	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	0	12.6	0.00%	0	0		

Total Out: 0

Spikes and Surrogates Report

RunID: VOA1_110323A **Analyst:** Michael Truchan

RunNo: 39579

Surrogates

SeqNo	SampID	TestCode	SampType	BatchID	DF
751504	TO15 CCV 40cc vo	EPA_TO15-ug/m3	CCV	R39579	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	12.5	12.72	101.76%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751505	TO15 RLVS 20cc v	EPA_TO15-ug/m3	RLVS	R39579	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	12.5	12.59	100.72%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751506	MBLK	EPA_TO15-ug/m3	MBLK	R39579	40

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	500	508.4	101.68%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751520	TO15 RLVS 20cc v	EPA_TO15	RLVS	R39579	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	12.5	12.42	99.36%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751522	1103120-013A	EPA_TO15-ug/m3	SAMP	R39579	16000

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	200000	210880	105.44%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751523	1103120-002A	EPA_TO15-ug/m3	SAMP	R39579	160000

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☐	4-Bromofluorobenzene	2000000	1998400	99.92%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751524	1103120-003A	EPA_TO15-ug/m3	SAMP	R39579	160000

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☐	4-Bromofluorobenzene	2000000	2028800	101.44%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751525	1103120-015A	EPA_TO15-ug/m3	SAMP	R39579	16000

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	200000	202720	101.36%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751526	1103120-004A	EPA_TO15-ug/m3	SAMP	R39579	400

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☐	4-Bromofluorobenzene	5000	5308	106.16%	70	130		

Total Out: 0

Spikes and Surrogates Report

RunID: VOA1_110323A **Analyst:** Michael Truchan

RunNo: 39579

Surrogates

SeqNo	SampID	TestCode	SampType	BatchID	DF
751527	1103120-005A	EPA_TO15-ug/m3	SAMP	R39579	400

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☐	4-Bromofluorobenzene	5000	5260	105.20%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751528	1103120-006A	EPA_TO15-ug/m3	SAMP	R39579	400

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☐	4-Bromofluorobenzene	5000	5112	102.24%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751529	1103120-007A	EPA_TO15-ug/m3	SAMP	R39579	800

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☐	4-Bromofluorobenzene	10000	10376	103.76%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751530	1103120-008A	EPA_TO15-ug/m3	SAMP	R39579	800

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☐	4-Bromofluorobenzene	10000	10528	105.28%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751531	1103120-011A	EPA_TO15-ug/m3	SAMP	R39579	800

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	10000	10464	104.64%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751532	1103120-012A	EPA_TO15-ug/m3	SAMP	R39579	800

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	10000	10520	105.20%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751533	1103120-014A	EPA_TO15-ug/m3	SAMP	R39579	800

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	10000	10528	105.28%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751536	1103120-014ADUP	EPA_TO15-ug/m3	DUP	R39579	800

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☐	4-Bromofluorobenzene	10000	10296	102.96%	70	130		

Total Out: 0

Spikes and Surrogates Report

RunID: VOA1_110317C **Analyst:** Michael Truchan

RunNo: 39558

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751006	TO15 CCV 40cc vo	EPA_TO15-ug/m3	CCV	R39558	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	Dichlorodifluoromethane-ug/m3	49.45	49.2522	99.60%	70	130		
☑	Methylene chloride-ug/m3	34.0452	35.5043	104.29%	70	130		B
☑	Methylene chloride	9.8	10.22	104.29%	70	130		B
☑	m,p-Xylene-ug/m3	173.68	180.975	104.20%	70	130		
☑	m,p-Xylene	20	20.84	104.20%	70	130		
☑	Hexachlorobutadiene-ug/m3	104.517	92.1456	88.16%	70	130		
☑	Hexachlorobutadiene	9.8	8.64	88.16%	70	130		
☑	Heptane-ug/m3	40.99	44.3512	108.20%	70	130		B
☑	Heptane	10	10.82	108.20%	70	130		B
☑	Ethylbenzene	10	11.29	112.90%	70	130		
☑	Ethyl benzene-ug/m3	43.42	49.0212	112.90%	70	130		
☑	Ethyl acetate-ug/m3	36.03	37.7955	104.90%	70	130		
☑	Ethyl acetate	10	10.49	104.90%	70	130		
☑	Chlorodibromomethane-ug/m3	85.19	95.0720	111.60%	70	130		
☑	Ethanol	12.2	13.08	107.21%	70	130		B
☑	o-Xylene	10	11.08	110.80%	70	130		
☑	Dichlorodifluoromethane	10	9.96	99.60%	70	130		
☑	Cyclohexane-ug/m3	351.084	37.6555	10.73%	70	130	*	BS
☑	Cyclohexane	102	10.94	10.73%	70	130	*	BS
☑	cis-1,3-Dichloropropene-ug/m3	48.1134	51.1999	106.42%	70	130		
☑	cis-1,3-dichloropropene	10.6	11.28	106.42%	70	130		
☑	cis-1,2-Dichloroethene-ug/m3	39.65	45.0028	113.50%	70	130		
☑	cis-1,2-Dichloroethene	10	11.35	113.50%	70	130		
☑	Chloromethane-ug/m3	21.063	24.9452	118.43%	70	130		
☑	Chloromethane	10.2	12.08	118.43%	70	130		
☑	Chloroform-ug/m3	49.8066	53.4689	107.35%	70	130		
☑	Chloroform	10.2	10.95	107.35%	70	130		
☑	Chloroethane-ug/m3	26.38	21.4469	81.30%	70	130		
☑	Chloroethane	10	8.13	81.30%	70	130		
☑	Ethanol-ug/m3	22.9848	24.6427	107.21%	70	130		B
☑	Tetrahydrofuran-ug/m3	29.49	36.0663	122.30%	70	130		
☑	1,1,1-Trichloroethane	10	10.77	107.70%	70	130		
☑	Vinyl chloride-ug/m3	25.56	26.7869	104.80%	70	130		
☑	Vinyl chloride	10	10.48	104.80%	70	130		
☑	Vinyl acetate-ug/m3	35.21	38.0620	108.10%	70	130		
☑	Vinyl acetate	10	10.81	108.10%	70	130		
☑	Trichlorofluoromethane-ug/m3	56.18	57.6969	102.70%	70	130		
☑	Trichlorofluoromethane	10	10.27	102.70%	70	130		
☑	Trichloroethene-ug/m3	73.0864	85.5003	116.99%	70	130		
☑	Trichloroethene	13.6	15.91	116.99%	70	130		
☑	trans-1,3-Dichloropropene-ug/m3	42.6666	47.7049	111.81%	70	130		

Spikes and Surrogates Report

RunID: VOA1_110317C **Analyst:** Michael Truchan

RunNo: 39558

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751006	TO15 CCV 40cc vo	EPA_TO15-ug/m3	CCV	R39558	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	trans-1,3-dichloropropene	9.4	10.51	111.81%	70	130		
☑	trans-1,2-Dichloroethene-ug/m3	39.65	42.7427	107.80%	70	130		
☑	trans-1,2-Dichloroethene	10	10.78	107.80%	70	130		
☑	n-Hexane-ug/m3	35.955	36.8363	102.45%	70	130		B
☑	Styrene-ug/m3	42.6	47.8824	112.40%	70	130		
☑	n-Hexane	10.2	10.45	102.45%	70	130		B
☑	o-Xylene-ug/m3	43.42	48.1094	110.80%	70	130		
☑	p-Ethyltoluene	10.6	9.43	88.96%	70	130		
☑	p-Ethyltoluene-ug/m3	52.1096	46.3579	88.96%	70	130		
☑	Propylene	10	11.33	113.30%	70	130		B
☑	Toluene-ug/m3	37.69	44.3234	117.60%	70	130		B
☑	Styrene	10	11.24	112.40%	70	130		
☑	Toluene	10	11.76	117.60%	70	130		B
☑	tert-Butyl Methyl Ether	10	11.37	113.70%	70	130		
☑	tert-Butyl methyl ether-ug/m3	36.05	40.9889	113.70%	70	130		
☑	Tetrachloroethene	10	10.82	108.20%	70	130		
☑	Tetrachloroethene-ug/m3	67.82	73.3812	108.20%	70	130		
☑	Tetrahydrofuran	10	12.23	122.30%	70	130		
☑	Naphthalene-ug/m3	52.42	36.5892	69.80%	70	130	*	BS
☑	Propylene-ug/m3	17.21	19.4989	113.30%	70	130		B
☑	1,2,4-Trimethylbenzene	10	9.26	92.60%	70	130		
☑	1,3-Dichlorobenzene-ug/m3	60.12	59.098	98.30%	70	130		
☑	1,3-Dichlorobenzene	10	9.83	98.30%	70	130		
☑	1,3-Butadiene-ug/m3	22.12	23.2924	105.30%	70	130		
☑	1,3-Butadiene	10	10.53	105.30%	70	130		
☑	1,3,5-Trimethylbenzene-ug/m3	49.16	46.8495	95.30%	70	130		
☑	1,3,5-Trimethylbenzene	10	9.53	95.30%	70	130		
☑	1,2-Dichloropropane-ug/m3	46.21	52.8180	114.30%	70	130		
☑	1,2-Dichloropropane	10	11.43	114.30%	70	130		
☑	1,2-Dichloroethane-ug/m3	40.47	45.7311	113.00%	70	130		
☑	1,2-Dichloroethane	10	11.3	113.00%	70	130		
☑	1,2-Dichlorobenzene-ug/m3	60.12	58.3765	97.10%	70	130		
☑	1,1,2,2-Tetrachloroethane	4.17	4.52	108.39%	70	130		
☑	1,4-Dichlorobenzene	10.2	9.87	96.76%	70	130		
☑	1,2,4-Trimethylbenzene-ug/m3	49.16	45.5222	92.60%	70	130		
☑	1,2-Dichlorobenzene	10	9.71	97.10%	70	130		
☑	1,2,4-Trichlorobenzene-ug/m3	78.6626	53.8765	68.49%	70	130	*	S
☑	1,2,4-Trichlorobenzene	10.6	7.26	68.49%	70	130	*	S
☑	1,1-Dichloroethene-ug/m3	39.65	37.9847	95.80%	70	130		
☑	1,1-Dichloroethene	10	9.58	95.80%	70	130		
☑	1,1-Dichloroethane-ug/m3	40.47	46.5405	115.00%	70	130		
☑	1,1-Dichloroethane	10	11.5	115.00%	70	130		

Spikes and Surrogates Report

RunID: VOA1_110317C **Analyst:** Michael Truchan

RunNo: 39558

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751006	TO15 CCV 40cc vo	EPA_TO15-ug/m3	CCV	R39558	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	1,1,2-Trichloroethane-ug/m3	54.56	58.3246	106.90%	70	130		
☑	1,1,2-Trichloroethane	10	10.69	106.90%	70	130		
☑	1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	75.1072	83.3077	110.92%	70	130		
☑	1,1,2-Trichloro-1,2,2-trifluoroethane	9.8	10.87	110.92%	70	130		
☑	1,1,2,2-Tetrachloroethane-ug/m3	28.6271	31.0298	108.39%	70	130		
☑	Chlorodibromomethane	10	11.16	111.60%	70	130		
☑	Naphthalene	10	6.98	69.80%	70	130	*	BS
☑	1,2-Dibromoethane-ug/m3	76.88	75.4193	98.10%	70	130		
☑	Carbon disulfide	10	9.8	98.00%	70	130		
☑	Benzyl chloride	5.4	5.46	101.11%	70	130		
☑	Benzyl chloride-ug/m3	27.9558	28.2664	101.11%	70	130		
☑	Bromodichloromethane	10.2	11.27	110.49%	70	130		
☑	Bromodichloromethane-ug/m3	68.3298	75.4977	110.49%	70	130		
☑	Bromoform	9.8	10.26	104.69%	70	130		
☑	Bromoform-ug/m3	101.303	106.058	104.69%	70	130		
☑	Benzene-ug/m3	31.95	36.7106	114.90%	70	130		
☑	Bromomethane-ug/m3	38.83	25.5501	65.80%	70	130	*	S
☑	Carbon tetrachloride-ug/m3	62.91	69.7672	110.90%	70	130		
☑	Carbon disulfide-ug/m3	31.14	30.5172	98.00%	70	130		
☑	Carbon tetrachloride	10	11.09	110.90%	70	130		
☑	1,4-Dichlorobenzene-ug/m3	61.3224	59.3384	96.76%	70	130		
☑	Chlorobenzene	10	10.52	105.20%	70	130		
☑	1,2-Dibromoethane	10	9.81	98.10%	70	130		
☑	Chlorobenzene-ug/m3	46.04	48.4341	105.20%	70	130		
☑	Bromomethane	10	6.58	65.80%	70	130	*	S
☑	1,4-Dioxane	10	8.53	85.30%	70	130		
☑	1,1,1-Trichloroethane-ug/m3	54.56	58.7611	107.70%	70	130		
☑	1,4-Dioxane-ug/m3	36.04	30.7421	85.30%	70	130		
☑	2-Butanone	10.2	11.07	108.53%	70	130		
☑	2-Butanone-ug/m3	30.0798	32.6454	108.53%	70	130		
☑	2-Hexanone	10	14.53	145.30%	70	130	*	S
☑	2-Hexanone-ug/m3	40.97	59.5294	145.30%	70	130	*	S
☑	2-Propanol-ug/m3	24.58	30.6513	124.70%	70	130		
☑	4-Methyl-2-pentanone	10.6	13.81	130.28%	70	130	*	S
☑	4-Methyl-2-pentanone-ug/m3	43.4388	56.5934	130.28%	70	130	*	S
☑	Acetone	10	10.47	104.70%	70	130		B
☑	Acetone-ug/m3	23.75	24.8663	104.70%	70	130		B
☑	Benzene	10	11.49	114.90%	70	130		
☑	2-Propanol	10	12.47	124.70%	70	130		

Total Recoveries Out: 12

Spikes and Surrogates Report

RunID: VOA1_110317C **Analyst:** Michael Truchan

RunNo: 39558

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751007	TO15 RLVS 20cc v	EPA_TO15-ug/m3	RLVS	R39558	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	1,4-Dioxane	0.96	1.18	122.92%	70	130		
☑	Acetone	1	1.35	135.00%	70	130	*	BS
☑	4-Methyl-2-pentanone-ug/m3	4.098	4.05702	99.00%	70	130		
☑	4-Methyl-2-pentanone	1	0.99	99.00%	70	130		
☑	2-Propanol-ug/m3	2.48258	2.458	99.01%	70	130		
☑	2-Propanol	1.01	1	99.01%	70	130		
☑	2-Hexanone-ug/m3	4.01506	4.38379	109.18%	70	130		
☑	2-Hexanone	0.98	1.07	109.18%	70	130		
☑	2-Butanone-ug/m3	2.91951	3.62727	124.24%	70	130		
☑	1,4-Dichlorobenzene-ug/m3	5.77152	7.87572	136.46%	70	130	*	S
☑	1,4-Dioxane-ug/m3	3.45984	4.25272	122.92%	70	130		
☑	Acetone-ug/m3	2.375	3.20625	135.00%	70	130	*	BS
☑	Bromomethane	0.93	1.01	108.60%	70	130		
☑	2-Butanone	0.99	1.23	124.24%	70	130		
☑	Benzene	0.96	1.3	135.42%	70	130	*	S
☑	Benzene-ug/m3	3.0672	4.1535	135.42%	70	130	*	S
☑	Benzyl chloride	0.97	1.3	134.02%	70	130	*	S
☑	Benzyl chloride-ug/m3	5.02169	6.7301	134.02%	70	130	*	S
☑	Bromodichloromethane	0.96	1.1	114.58%	70	130		
☑	Bromodichloromethane-ug/m3	6.43104	7.3689	114.58%	70	130		
☑	Carbon tetrachloride-ug/m3	5.97645	6.66846	111.58%	70	130		
☑	Bromoform-ug/m3	9.92352	11.8876	119.79%	70	130		
☑	1,4-Dichlorobenzene	0.96	1.31	136.46%	70	130	*	S
☑	Bromomethane-ug/m3	3.61119	3.92183	108.60%	70	130		
☑	Carbon disulfide	0.97	1.06	109.28%	70	130		
☑	Carbon disulfide-ug/m3	3.02058	3.30084	109.28%	70	130		
☑	Carbon tetrachloride	0.95	1.06	111.58%	70	130		
☑	Chlorobenzene	0.99	1.22	123.23%	70	130		
☑	Bromoform	0.96	1.15	119.79%	70	130		
☑	1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	7.51072	8.12384	108.16%	70	130		
☑	1,1,1-Trichloroethane-ug/m3	5.23776	5.89248	112.50%	70	130		
☑	1,1-Dichloroethene-ug/m3	3.92535	4.32185	110.10%	70	130		
☑	1,1-Dichloroethene	0.99	1.09	110.10%	70	130		
☑	1,1-Dichloroethane-ug/m3	3.92559	4.41123	112.37%	70	130		
☑	1,1-Dichloroethane	0.97	1.09	112.37%	70	130		
☑	1,2,4-Trichlorobenzene-ug/m3	6.75311	6.60469	97.80%	70	130		
☑	1,1,2-Trichloroethane	0.98	1.16	118.37%	70	130		
☑	1,2,4-Trimethylbenzene	0.98	1.28	130.61%	70	130	*	S
☑	1,1,2-Trichloro-1,2,2-trifluoroethane	0.98	1.06	108.16%	70	130		
☑	1,1,2,2-Tetrachloroethane-ug/m3	6.865	8.30665	121.00%	70	130		
☑	1,1,2,2-Tetrachloroethane	1	1.21	121.00%	70	130		

Spikes and Surrogates Report

RunID: VOA1_110317C **Analyst:** Michael Truchan

RunNo: 39558

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751007	TO15 RLVS 20cc v	EPA_TO15-ug/m3	RLVS	R39558	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	1,1,1-Trichloroethane	0.96	1.08	112.50%	70	130		
☑	Chlorodibromomethane	0.98	1.11	113.27%	70	130		
☑	Chlorodibromomethane-ug/m3	8.34862	9.45609	113.27%	70	130		
☑	1,1,2-Trichloroethane-ug/m3	5.34688	6.32896	118.37%	70	130		
☑	1,2-Dichloroethane-ug/m3	3.92559	4.89687	124.74%	70	130		
☑	1,3-Dichlorobenzene	0.97	1.35	139.18%	70	130	*	S
☑	1,3-Butadiene-ug/m3	2.16776	2.80924	129.59%	70	130		
☑	1,3-Butadiene	0.98	1.27	129.59%	70	130		
☑	1,3,5-Trimethylbenzene-ug/m3	4.76852	7.07904	148.45%	70	130	*	S
☑	1,3,5-Trimethylbenzene	0.97	1.44	148.45%	70	130	*	S
☑	1,2,4-Trichlorobenzene	0.91	0.89	97.80%	70	130		
☑	1,2-Dichloropropane	0.98	1.17	119.39%	70	130		
☑	1,3-Dichlorobenzene-ug/m3	5.83164	8.1162	139.18%	70	130	*	S
☑	1,2-Dichloroethane	0.97	1.21	124.74%	70	130		
☑	1,2-Dichlorobenzene-ug/m3	5.83164	7.87572	135.05%	70	130	*	S
☑	1,2-Dichlorobenzene	0.97	1.31	135.05%	70	130	*	S
☑	1,2-Dibromoethane-ug/m3	7.38048	8.99496	121.88%	70	130		
☑	1,2-Dibromoethane	0.96	1.17	121.88%	70	130		
☑	1,2,4-Trimethylbenzene-ug/m3	4.81768	6.29248	130.61%	70	130	*	S
☑	1,2-Dichloropropane-ug/m3	4.52858	5.40657	119.39%	70	130		
☑	Toluene	0.98	1.36	138.78%	70	130	*	BS
☑	Naphthalene-ug/m3	4.82264	5.55652	115.22%	70	130		B
☑	o-Xylene	1	1.39	139.00%	70	130	*	S
☑	o-Xylene-ug/m3	4.342	6.03538	139.00%	70	130	*	S
☑	p-Ethyltoluene	0.98	1.42	144.90%	70	130	*	S
☑	p-Ethyltoluene-ug/m3	4.81768	6.98072	144.90%	70	130	*	S
☑	Propylene	1.02	1.12	109.80%	70	130		B
☑	Propylene-ug/m3	1.75542	1.92752	109.80%	70	130		B
☑	Styrene	0.98	1.18	120.41%	70	130		
☑	Styrene-ug/m3	4.1748	5.0268	120.41%	70	130		
☑	tert-Butyl Methyl Ether	0.99	1.41	142.42%	70	130	*	S
☑	tert-Butyl methyl ether-ug/m3	3.56895	5.08305	142.42%	70	130	*	S
☑	Tetrachloroethene	0.96	1.14	118.75%	70	130		
☑	Naphthalene	0.92	1.06	115.22%	70	130		B
☑	Tetrahydrofuran	1	1.15	115.00%	70	130		
☑	Tetrachloroethene-ug/m3	6.51072	7.73148	118.75%	70	130		
☑	Toluene-ug/m3	3.69362	5.12584	138.78%	70	130	*	BS
☑	trans-1,2-Dichloroethene	0.98	1.08	110.20%	70	130		
☑	trans-1,2-Dichloroethene-ug/m3	3.8857	4.2822	110.20%	70	130		
☑	trans-1,3-dichloropropene	0.91	1.08	118.68%	70	130		

Spikes and Surrogates Report

RunID: VOA1_110317C **Analyst:** Michael Truchan

RunNo: 39558

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751007	TO15 RLVS 20cc v	EPA_TO15-ug/m3	RLVS	R39558	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	trans-1,3-Dichloropropene-ug/m3	4.13049	4.90212	118.68%	70	130		
☑	Trichloroethene	0.96	1.08	112.50%	70	130		
☑	Trichloroethene-ug/m3	5.15904	5.80392	112.50%	70	130		
☑	Trichlorofluoromethane	0.96	1.06	110.42%	70	130		
☑	Trichlorofluoromethane-ug/m3	5.39328	5.95508	110.42%	70	130		
☑	Vinyl acetate	0.99	1.28	129.29%	70	130		
☑	Vinyl acetate-ug/m3	3.48579	4.50688	129.29%	70	130		
☑	Vinyl chloride	0.94	1.07	113.83%	70	130		
☑	Chlorobenzene-ug/m3	4.55796	5.61688	123.23%	70	130		
☑	Vinyl chloride-ug/m3	2.40264	2.73492	113.83%	70	130		
☑	cis-1,3-Dichloropropene-ug/m3	4.31205	4.9929	115.79%	70	130		
☑	Tetrahydrofuran-ug/m3	2.949	3.39135	115.00%	70	130		
☑	n-Hexane-ug/m3	3.56025	4.4415	124.75%	70	130		B
☑	Chloroform	0.98	1.14	116.33%	70	130		
☑	Chloroform-ug/m3	4.78534	5.56662	116.33%	70	130		
☑	Chloromethane	0.95	1.05	110.53%	70	130		
☑	Chloromethane-ug/m3	1.96175	2.16825	110.53%	70	130		
☑	cis-1,2-Dichloroethene	0.98	1.09	111.22%	70	130		
☑	cis-1,3-dichloropropene	0.95	1.1	115.79%	70	130		
☑	Chloroethane-ug/m3	2.42696	2.61162	107.61%	70	130		
☑	Cyclohexane	0.98	1.22	124.49%	70	130		B
☑	Cyclohexane-ug/m3	3.37316	4.19924	124.49%	70	130		B
☑	Dichlorodifluoromethane	0.92	1	108.70%	70	130		
☑	Dichlorodifluoromethane-ug/m3	4.5494	4.945	108.70%	70	130		
☑	Chloroethane	0.92	0.99	107.61%	70	130		
☑	Methylene chloride	1	1.16	116.00%	70	130		B
☑	n-Hexane	1.01	1.26	124.75%	70	130		B
☑	cis-1,2-Dichloroethene-ug/m3	3.8857	4.32185	111.22%	70	130		
☑	Methylene chloride-ug/m3	3.474	4.02984	116.00%	70	130		B
☑	Ethanol	0.92	1.15	125.00%	70	130		B
☑	m,p-Xylene-ug/m3	16.6733	22.8389	136.98%	70	130	*	S
☑	m,p-Xylene	1.92	2.63	136.98%	70	130	*	S
☑	Hexachlorobutadiene-ug/m3	10.0251	12.5847	125.53%	70	130		
☑	Hexachlorobutadiene	0.94	1.18	125.53%	70	130		
☑	Heptane-ug/m3	4.05801	5.16474	127.27%	70	130		B
☑	Heptane	0.99	1.26	127.27%	70	130		B
☑	Ethylbenzene	0.98	1.39	141.84%	70	130	*	S
☑	Ethyl benzene-ug/m3	4.25516	6.03538	141.84%	70	130	*	S
☑	Ethyl acetate-ug/m3	3.53094	4.21551	119.39%	70	130		
☑	Ethyl acetate	0.98	1.17	119.39%	70	130		
☑	Ethanol-ug/m3	1.73328	2.1666	125.00%	70	130		B

Total Recoveries Out: 28

Spikes and Surrogates Report

RunID: VOA1_110317C **Analyst:** Michael Truchan

RunNo: 39558

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751008	TO15 RLVS 20cc v	EPA_TO15-ug/m3	RLVS	R39558	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	m,p-Xylene-ug/m3	16.6733	22.9258	137.50%	70	130	*	S
☑	Ethyl acetate	0.98	1.14	116.33%	70	130		
☑	Ethyl acetate-ug/m3	3.53094	4.10742	116.33%	70	130		
☑	Ethyl benzene-ug/m3	4.25516	5.99196	140.82%	70	130	*	S
☑	Ethylbenzene	0.98	1.38	140.82%	70	130	*	S
☑	Heptane	0.99	1.29	130.30%	70	130	*	BS
☑	Heptane-ug/m3	4.05801	5.28771	130.30%	70	130	*	BS
☑	Hexachlorobutadiene	0.94	1.24	131.91%	70	130	*	S
☑	Methylene chloride-ug/m3	3.474	4.27302	123.00%	70	130		B
☑	m,p-Xylene	1.92	2.64	137.50%	70	130	*	S
☑	Ethanol-ug/m3	1.73328	1.6014	92.39%	70	130		B
☑	Methylene chloride	1	1.23	123.00%	70	130		B
☑	Hexachlorobutadiene-ug/m3	10.0251	13.2246	131.91%	70	130	*	S
☑	cis-1,2-Dichloroethene-ug/m3	3.8857	4.758	122.45%	70	130		
☑	n-Hexane	1.01	1.36	134.65%	70	130	*	BS
☑	Chloroethane	0.98	1.05	107.14%	70	130		
☑	Chloroform	0.94	1.2	127.66%	70	130		
☑	Chloroform-ug/m3	4.59002	5.8596	127.66%	70	130		
☑	Chloromethane	0.98	1.03	105.10%	70	130		
☑	Chloroethane-ug/m3	2.58524	2.7699	107.14%	70	130		
☑	cis-1,2-Dichloroethene	0.98	1.2	122.45%	70	130		
☑	Ethanol	0.92	0.85	92.39%	70	130		
☑	cis-1,3-dichloropropene	0.95	1.13	118.95%	70	130		
☑	cis-1,3-Dichloropropene-ug/m3	4.31205	5.12907	118.95%	70	130		
☑	Cyclohexane	0.98	1.32	134.69%	70	130	*	BS
☑	Cyclohexane-ug/m3	3.37316	4.54344	134.69%	70	130	*	BS
☑	Dichlorodifluoromethane	0.92	1.09	118.48%	70	130		
☑	Dichlorodifluoromethane-ug/m3	4.5494	5.39005	118.48%	70	130		
☑	Chloromethane-ug/m3	2.0237	2.12695	105.10%	70	130		
☑	Trichloroethene-ug/m3	5.32026	6.28758	118.18%	70	130		
☑	Vinyl acetate-ug/m3	3.49	4.47167	128.13%	70	130		
☑	Toluene-ug/m3	3.42979	5.23891	152.75%	70	130	*	BS
☑	trans-1,2-Dichloroethene	0.96	1.18	122.92%	70	130		
☑	trans-1,2-Dichloroethene-ug/m3	3.8064	4.6787	122.92%	70	130		
☑	trans-1,3-dichloropropene	0.96	1.05	109.38%	70	130		
☑	Tetrahydrofuran-ug/m3	2.89002	3.15543	109.18%	70	130		
☑	Trichloroethene	0.99	1.17	118.18%	70	130		
☑	Tetrahydrofuran	0.98	1.07	109.18%	70	130		
☑	Trichlorofluoromethane	0.94	1.13	120.21%	70	130		
☑	Trichlorofluoromethane-ug/m3	5.28092	6.34834	120.21%	70	130		
☑	Vinyl acetate	0.99	1.27	128.28%	70	130		

Spikes and Surrogates Report

RunID: VOA1_110317C **Analyst:** Michael Truchan

RunNo: 39558

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751008	TO15 RLVS 20cc v	EPA_TO15-ug/m3	RLVS	R39558	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	Chlorodibromomethane-ug/m3	7.83748	9.88204	126.09%	70	130		
☑	Vinyl chloride	0.94	0.95	101.06%	70	130		
☑	1,3-Dichlorobenzene-ug/m3	5.83164	7.27452	124.74%	70	130		
☑	trans-1,3-Dichloropropene-ug/m3	4.35744	4.76595	109.38%	70	130		
☑	Propylene-ug/m3	1.70379	3.54526	208.08%	70	130	*	BS
☑	Naphthalene	1	0.74	74.00%	70	130		
☑	Naphthalene-ug/m3	5.242	3.87908	74.00%	70	130		B
☑	o-Xylene	1.02	1.4	137.25%	70	130	*	S
☑	o-Xylene-ug/m3	4.42884	6.0788	137.25%	70	130	*	S
☑	p-Ethyltoluene	0.98	1.36	138.78%	70	130	*	S
☑	Toluene	0.91	1.39	152.75%	70	130	*	BS
☑	Propylene	0.99	2.06	208.08%	70	130	*	BS
☑	n-Hexane-ug/m3	3.56025	4.794	134.65%	70	130	*	BS
☑	Styrene	0.96	1.18	122.92%	70	130		
☑	Styrene-ug/m3	4.0896	5.0268	122.92%	70	130		
☑	tert-Butyl Methyl Ether	1	1.46	146.00%	70	130	*	S
☑	tert-Butyl methyl ether-ug/m3	3.605	5.2633	146.00%	70	130	*	S
☑	Tetrachloroethene	0.98	1.21	123.47%	70	130		
☑	Tetrachloroethene-ug/m3	6.64636	8.20622	123.47%	70	130		
☑	p-Ethyltoluene-ug/m3	4.81768	6.68576	138.78%	70	130	*	S
☑	1,2,4-Trichlorobenzene-ug/m3	6.75311	4.97207	73.63%	70	130		
☑	1,3-Butadiene-ug/m3	2.16776	2.91984	134.69%	70	130	*	S
☑	1,3-Butadiene	0.98	1.32	134.69%	70	130	*	S
☑	1,3,5-Trimethylbenzene-ug/m3	4.76852	6.93156	145.36%	70	130	*	S
☑	1,3,5-Trimethylbenzene	0.97	1.41	145.36%	70	130	*	S
☑	1,2-Dichloropropane-ug/m3	4.52858	5.5452	122.45%	70	130		
☑	1,2-Dichloropropane	0.98	1.2	122.45%	70	130		
☑	1,2-Dichloroethane-ug/m3	3.92559	5.22063	132.99%	70	130	*	S
☑	1,2-Dichloroethane	0.97	1.29	132.99%	70	130	*	S
☑	1,2-Dichlorobenzene-ug/m3	5.83164	7.15428	122.68%	70	130		
☑	1,2-Dichlorobenzene	0.97	1.19	122.68%	70	130		
☑	1,2-Dibromoethane-ug/m3	7.38048	9.07184	122.92%	70	130		
☑	1,2-Dibromoethane	0.96	1.18	122.92%	70	130		
☑	1,4-Dichlorobenzene-ug/m3	5.77152	7.2144	125.00%	70	130		
☑	1,2,4-Trimethylbenzene	0.98	1.23	125.51%	70	130		
☑	1,4-Dichlorobenzene	0.96	1.2	125.00%	70	130		
☑	1,2,4-Trichlorobenzene	0.91	0.67	73.63%	70	130		
☑	1,1-Dichloroethene-ug/m3	3.92535	4.5994	117.17%	70	130		
☑	1,1-Dichloroethene	0.99	1.16	117.17%	70	130		
☑	1,1-Dichloroethane-ug/m3	3.92559	4.81593	122.68%	70	130		
☑	1,1-Dichloroethane	0.97	1.19	122.68%	70	130		

Spikes and Surrogates Report

RunID: VOA1_110317C **Analyst:** Michael Truchan

RunNo: 39558

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751008	TO15 RLVS 20cc v	EPA_TO15-ug/m3	RLVS	R39558	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	1,1,2-Trichloroethane-ug/m3	5.34688	6.5472	122.45%	70	130		
☑	1,1,2-Trichloroethane	0.98	1.2	122.45%	70	130		
☑	1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	7.51072	8.89024	118.37%	70	130		
☑	1,1,2-Trichloro-1,2,2-trifluoroethane	0.98	1.16	118.37%	70	130		
☑	1,1,2,2-Tetrachloroethane-ug/m3	6.865	8.03205	117.00%	70	130		
☑	1,1,2,2-Tetrachloroethane	1	1.17	117.00%	70	130		
☑	1,1,1-Trichloroethane-ug/m3	5.23776	6.49264	123.96%	70	130		
☑	1,1,1-Trichloroethane	0.96	1.19	123.96%	70	130		
☑	1,2,4-Trimethylbenzene-ug/m3	4.81768	6.04668	125.51%	70	130		
☑	Benzene	0.96	1.43	148.96%	70	130	*	S
☑	Chlorobenzene-ug/m3	4.55796	5.755	126.26%	70	130		
☑	Chlorobenzene	0.99	1.25	126.26%	70	130		
☑	Carbon tetrachloride-ug/m3	5.97645	7.36047	123.16%	70	130		
☑	Carbon tetrachloride	0.95	1.17	123.16%	70	130		
☑	Carbon disulfide-ug/m3	3.02058	3.61224	119.59%	70	130		
☑	Carbon disulfide	0.97	1.16	119.59%	70	130		
☑	Bromomethane-ug/m3	3.61119	4.34896	120.43%	70	130		
☑	Bromomethane	0.93	1.12	120.43%	70	130		
☑	Bromoform-ug/m3	9.92352	11.7842	118.75%	70	130		
☑	Bromoform	0.96	1.14	118.75%	70	130		
☑	Bromodichloromethane-ug/m3	6.43104	7.70385	119.79%	70	130		
☑	Bromodichloromethane	0.96	1.15	119.79%	70	130		
☑	Benzyl chloride-ug/m3	5.02169	6.10886	121.65%	70	130		
☑	1,3-Dichlorobenzene	0.97	1.21	124.74%	70	130		
☑	2-Propanol	1.01	0.9	89.11%	70	130		
☑	Chlorodibromomethane	0.92	1.16	126.09%	70	130		
☑	1,4-Dioxane	0.96	0.99	103.13%	70	130		
☑	1,4-Dioxane-ug/m3	3.45984	3.56796	103.13%	70	130		
☑	2-Butanone	0.99	1.28	129.29%	70	130		
☑	2-Butanone-ug/m3	2.91951	3.77472	129.29%	70	130		
☑	Benzyl chloride	0.97	1.18	121.65%	70	130		
☑	2-Hexanone-ug/m3	4.01506	3.97409	98.98%	70	130		
☑	Benzene-ug/m3	3.0672	4.56885	148.96%	70	130	*	S
☑	2-Propanol-ug/m3	2.48258	2.2122	89.11%	70	130		
☑	4-Methyl-2-pentanone	1	1.01	101.00%	70	130		
☑	4-Methyl-2-pentanone-ug/m3	4.098	4.13898	101.00%	70	130		
☑	Acetone	1	1.3	130.00%	70	130		B
☑	Acetone-ug/m3	2.375	3.0875	130.00%	70	130		B
☑	Vinyl chloride-ug/m3	2.4	2.4282	101.18%	70	130		
☑	2-Hexanone	0.98	0.97	98.98%	70	130		

Total Recoveries Out: 30

Spikes and Surrogates Report

RunID: VOA1_110323A **Analyst:** Michael Truchan

RunNo: 39579

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751504	TO15 CCV 40cc vo	EPA_TO15-ug/m3	CCV	R39579	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	Ethanol	12.2	10.33	84.67%	70	130		
☑	n-Hexane-ug/m3	35.955	33.699	93.73%	70	130		B
☑	n-Hexane	10.2	9.56	93.73%	70	130		B
☑	Methylene chloride-ug/m3	34.0452	33.8368	99.39%	70	130		
☑	Methylene chloride	9.8	9.74	99.39%	70	130		
☑	m,p-Xylene-ug/m3	173.68	146.065	84.10%	70	130		
☑	m,p-Xylene	20	16.82	84.10%	70	130		
☑	Hexachlorobutadiene-ug/m3	104.517	65.4831	62.65%	70	130	*	S
☑	Hexachlorobutadiene	9.8	6.14	62.65%	70	130	*	S
☑	Heptane-ug/m3	40.99	39.0225	95.20%	70	130		B
☑	Heptane	10	9.52	95.20%	70	130		B
☑	Ethylbenzene	10	9.04	90.40%	70	130		
☑	Ethyl benzene-ug/m3	43.42	39.2517	90.40%	70	130		
☑	Chlorodibromomethane-ug/m3	85.19	78.5452	92.20%	70	130		
☑	Ethyl acetate	10	8.43	84.30%	70	130		
☑	o-Xylene	10	9.03	90.30%	70	130		
☑	Dichlorodifluoromethane	10	10.06	100.60%	70	130		
☑	Cyclohexane-ug/m3	351.084	34.2823	9.76%	70	130	*	BS
☑	Cyclohexane	10.2	9.96	97.65%	70	130		B
☑	cis-1,3-Dichloropropene-ug/m3	48.1134	41.078	85.38%	70	130		
☑	cis-1,3-dichloropropene	10.6	9.05	85.38%	70	130		
☑	cis-1,2-Dichloroethene-ug/m3	39.65	40.4827	102.10%	70	130		
☑	cis-1,2-Dichloroethene	10	10.21	102.10%	70	130		
☑	Chloromethane-ug/m3	21.063	25.6886	121.96%	70	130		
☑	Chloromethane	10.2	12.44	121.96%	70	130		
☑	Chloroform-ug/m3	49.8066	47.8046	95.98%	70	130		
☑	Chloroform	10.2	9.79	95.98%	70	130		
☑	Chloroethane-ug/m3	26.38	22.0009	83.40%	70	130		
☑	Chloroethane	10	8.34	83.40%	70	130		
☑	Ethyl acetate-ug/m3	36.03	30.3733	84.30%	70	130		
☑	Tetrahydrofuran-ug/m3	29.49	28.4873	96.60%	70	130		
☑	1,1,1-Trichloroethane	10	9.56	95.60%	70	130		
☑	Vinyl chloride-ug/m3	25.56	27.2725	106.70%	70	130		
☑	Vinyl chloride	10	10.67	106.70%	70	130		
☑	Vinyl acetate-ug/m3	35.21	29.0483	82.50%	70	130		
☑	Vinyl acetate	10	8.25	82.50%	70	130		
☑	Trichlorofluoromethane-ug/m3	56.18	57.4721	102.30%	70	130		
☑	Trichlorofluoromethane	10	10.23	102.30%	70	130		
☑	Trichloroethene-ug/m3	73.0864	75.9346	103.90%	70	130		
☑	Trichloroethene	13.6	14.13	103.90%	70	130		
☑	trans-1,3-Dichloropropene-ug/m3	42.6666	37.8553	88.72%	70	130		

Spikes and Surrogates Report

RunID: VOA1_110323A **Analyst:** Michael Truchan

RunNo: 39579

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751504	TO15 CCV 40cc vo	EPA_TO15-ug/m3	CCV	R39579	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	trans-1,3-dichloropropene	9.4	8.34	88.72%	70	130		
☑	trans-1,2-Dichloroethene-ug/m3	39.65	39.8879	100.60%	70	130		
☑	trans-1,2-Dichloroethene	10	10.06	100.60%	70	130		
☑	Naphthalene	10	5.56	55.60%	70	130	*	S
☑	Styrene-ug/m3	42.6	38.6382	90.70%	70	130		
☑	Dichlorodifluoromethane-ug/m3	49.45	49.7467	100.60%	70	130		
☑	o-Xylene-ug/m3	43.42	39.2083	90.30%	70	130		
☑	p-Ethyltoluene	10.6	7.88	74.34%	70	130		
☑	p-Ethyltoluene-ug/m3	52.1096	38.7381	74.34%	70	130		
☑	Propylene	10	12.17	121.70%	70	130		B
☑	Toluene-ug/m3	37.69	35.7678	94.90%	70	130		B
☑	Styrene	10	9.07	90.70%	70	130		
☑	Toluene	10	9.49	94.90%	70	130		B
☑	tert-Butyl Methyl Ether	10	8.51	85.10%	70	130		
☑	tert-Butyl methyl ether-ug/m3	36.05	30.6786	85.10%	70	130		
☑	Tetrachloroethene	10	9.54	95.40%	70	130		
☑	Tetrachloroethene-ug/m3	67.82	64.7003	95.40%	70	130		
☑	Tetrahydrofuran	10	9.66	96.60%	70	130		
☑	Naphthalene-ug/m3	52.42	29.1455	55.60%	70	130	*	S
☑	Propylene-ug/m3	17.21	20.9446	121.70%	70	130		B
☑	1,2,4-Trimethylbenzene	10	7.76	77.60%	70	130		
☑	1,3-Dichlorobenzene-ug/m3	60.12	47.6150	79.20%	70	130		
☑	1,3-Dichlorobenzene	10	7.92	79.20%	70	130		
☑	1,3-Butadiene-ug/m3	22.12	23.956	108.30%	70	130		
☑	1,3-Butadiene	10	10.83	108.30%	70	130		
☑	1,3,5-Trimethylbenzene-ug/m3	49.16	38.7872	78.90%	70	130		
☑	1,3,5-Trimethylbenzene	10	7.89	78.90%	70	130		
☑	1,2-Dichloropropane-ug/m3	46.21	41.4966	89.80%	70	130		
☑	1,2-Dichloropropane	10	8.98	89.80%	70	130		
☑	1,2-Dichloroethane-ug/m3	40.47	36.9491	91.30%	70	130		
☑	1,2-Dichloroethane	10	9.13	91.30%	70	130		
☑	1,2-Dichlorobenzene-ug/m3	60.12	47.1942	78.50%	70	130		
☑	Chlorodibromomethane	10	9.22	92.20%	70	130		
☑	1,2-Dibromoethane-ug/m3	76.88	60.4277	78.60%	70	130		
☑	1,4-Dichlorobenzene	10.2	8.02	78.63%	70	130		
☑	1,1-Dichloroethane	10	10.4	104.00%	70	130		
☑	1,1,1-Trichloroethane-ug/m3	54.56	52.1594	95.60%	70	130		
☑	1,1,2,2-Tetrachloroethane	4.17	3.45	82.73%	70	130		
☑	1,1,2,2-Tetrachloroethane-ug/m3	28.6271	23.6843	82.73%	70	130		
☑	1,1,2-Trichloro-1,2,2-trifluoroethane	9.8	10.46	106.73%	70	130		

Spikes and Surrogates Report

RunID: VOA1_110323A **Analyst:** Michael Truchan

RunNo: 39579

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751504	TO15 CCV 40cc vo	EPA_TO15-ug/m3	CCV	R39579	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	75.1072	80.1654	106.73%	70	130		
☑	Ethanol-ug/m3	22.9848	19.4617	84.67%	70	130		
☑	1,1,2-Trichloroethane-ug/m3	54.56	47.4126	86.90%	70	130		
☑	1,2,4-Trimethylbenzene-ug/m3	49.16	38.1482	77.60%	70	130		
☑	1,1-Dichloroethane-ug/m3	40.47	42.0888	104.00%	70	130		
☑	1,1-Dichloroethene	10	9.63	96.30%	70	130		
☑	1,1-Dichloroethene-ug/m3	39.65	38.183	96.30%	70	130		
☑	1,2,4-Trichlorobenzene	10.6	5.52	52.08%	70	130	*	S
☑	1,2,4-Trichlorobenzene-ug/m3	78.6626	40.9639	52.08%	70	130	*	S
☑	1,2-Dichlorobenzene	10	7.85	78.50%	70	130		
☑	1,1,2-Trichloroethane	10	8.69	86.90%	70	130		
☑	Bromoform	9.8	8.35	85.20%	70	130		
☑	1,2-Dibromoethane	10	7.86	78.60%	70	130		
☑	1,4-Dichlorobenzene-ug/m3	61.3224	48.2162	78.63%	70	130		
☑	Carbon tetrachloride-ug/m3	62.91	61.7776	98.20%	70	130		
☑	Carbon tetrachloride	10	9.82	98.20%	70	130		
☑	Carbon disulfide-ug/m3	31.14	30.7040	98.60%	70	130		
☑	Carbon disulfide	10	9.86	98.60%	70	130		
☑	Bromomethane-ug/m3	38.83	25.4337	65.50%	70	130	*	S
☑	Bromoform-ug/m3	101.303	86.314	85.20%	70	130		
☑	Chlorobenzene	10	8.41	84.10%	70	130		
☑	Bromodichloromethane-ug/m3	68.3298	63.8415	93.43%	70	130		
☑	Bromodichloromethane	10.2	9.53	93.43%	70	130		
☑	Benzyl chloride-ug/m3	27.9558	20.5527	73.52%	70	130		
☑	Benzyl chloride	5.4	3.97	73.52%	70	130		
☑	Chlorobenzene-ug/m3	46.04	38.7196	84.10%	70	130		
☑	2-Butanone	10.2	8.81	86.37%	70	130		
☑	1,4-Dioxane	10	7.09	70.90%	70	130		
☑	Bromomethane	10	6.55	65.50%	70	130	*	S
☑	1,4-Dioxane-ug/m3	36.04	25.5524	70.90%	70	130		
☑	Benzene-ug/m3	31.95	29.7135	93.00%	70	130		B
☑	2-Butanone-ug/m3	30.0798	25.9807	86.37%	70	130		
☑	2-Hexanone	10	11.67	116.70%	70	130		
☑	2-Hexanone-ug/m3	40.97	47.812	116.70%	70	130		
☑	2-Propanol	10	10.24	102.40%	70	130		
☑	2-Propanol-ug/m3	24.58	25.1699	102.40%	70	130		
☑	4-Methyl-2-pentanone	10.6	10.3	97.17%	70	130		
☑	4-Methyl-2-pentanone-ug/m3	43.4388	42.2094	97.17%	70	130		
☑	Acetone	10	8.15	81.50%	70	130		
☑	Acetone-ug/m3	23.75	19.3563	81.50%	70	130		
☑	Benzene	10	9.3	93.00%	70	130		B

Spikes and Surrogates Report

RunID: VOA1_110323A **Analyst:** Michael Truchan

RunNo: 39579

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751504	TO15 CCV 40cc vo	EPA_TO15-ug/m3	CCV	R39579	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
	Total Recoveries Out: 9							

751505	TO15 RLVS 20cc v	EPA_TO15-ug/m3	RLVS	R39579	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	1,3,5-Trimethylbenzene	0.97	1.22	125.77%	70	130		
☑	1,2,4-Trimethylbenzene-ug/m3	4.81768	5.06348	105.10%	70	130		
☑	1,2-Dibromoethane	0.96	1.03	107.29%	70	130		
☑	1,2-Dibromoethane-ug/m3	7.38048	7.91864	107.29%	70	130		
☑	1,2-Dichlorobenzene	0.97	1.01	104.12%	70	130		
☑	1,2-Dichlorobenzene-ug/m3	5.83164	6.07212	104.12%	70	130		
☑	1,2-Dichloroethane	0.97	1.16	119.59%	70	130		
☑	1,2-Dichloroethane-ug/m3	3.92559	4.69452	119.59%	70	130		
☑	1,3-Butadiene	0.98	1.35	137.76%	70	130	*	S
☑	1,2-Dichloropropane-ug/m3	4.52858	4.94447	109.18%	70	130		
☑	1,2,4-Trimethylbenzene	0.98	1.03	105.10%	70	130		
☑	1,3,5-Trimethylbenzene-ug/m3	4.76852	5.99752	125.77%	70	130		
☑	1,3-Butadiene-ug/m3	2.16776	2.9862	137.76%	70	130	*	S
☑	1,2-Dichloropropane	0.98	1.07	109.18%	70	130		
☑	1,1,2-Trichloroethane	0.98	1.05	107.14%	70	130		
☑	1,3-Dichlorobenzene-ug/m3	5.83164	6.25248	107.22%	70	130		
☑	1,4-Dichlorobenzene	0.96	1.05	109.38%	70	130		
☑	1,1,1-Trichloroethane	0.96	1.16	120.83%	70	130		
☑	1,1,2,2-Tetrachloroethane	1	0.99	99.00%	70	130		
☑	1,1,2,2-Tetrachloroethane-ug/m3	6.865	6.79635	99.00%	70	130		
☑	1,1,1-Trichloroethane-ug/m3	5.23776	6.32896	120.83%	70	130		
☑	1,1,2-Trichloro-1,2,2-trifluoroethane-ug/m3	7.51072	8.96688	119.39%	70	130		
☑	1,2,4-Trichlorobenzene-ug/m3	6.75311	5.56575	82.42%	70	130		
☑	1,1,2-Trichloroethane-ug/m3	5.34688	5.7288	107.14%	70	130		
☑	1,1-Dichloroethane	0.97	1.18	121.65%	70	130		
☑	1,1-Dichloroethane-ug/m3	3.92559	4.77546	121.65%	70	130		
☑	1,1-Dichloroethene	0.99	1.19	120.20%	70	130		
☑	1,1-Dichloroethene-ug/m3	3.92535	4.71835	120.20%	70	130		
☑	1,2,4-Trichlorobenzene	0.91	0.75	82.42%	70	130		
☑	1,1,2-Trichloro-1,2,2-trifluoroethane	0.98	1.17	119.39%	70	130		
☑	m,p-Xylene	1.92	2.32	120.83%	70	130		
☑	Ethanol	0.92	1.48	160.87%	70	130	*	S
☑	p-Ethyltoluene	0.98	1.18	120.41%	70	130		
☑	o-Xylene-ug/m3	4.342	5.38408	124.00%	70	130		
☑	o-Xylene	1	1.24	124.00%	70	130		
☑	Naphthalene-ug/m3	4.82264	5.18958	107.61%	70	130		

Spikes and Surrogates Report

RunID: VOA1_110323A **Analyst:** Michael Truchan

RunNo: 39579

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751505	TO15 RLVS 20cc v	EPA_TO15-ug/m3	RLVS	R39579	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	Naphthalene	0.92	0.99	107.61%	70	130		
☑	n-Hexane-ug/m3	3.56025	4.7235	132.67%	70	130	*	BS
☑	n-Hexane	1.01	1.34	132.67%	70	130	*	BS
☑	Methylene chloride-ug/m3	3.474	4.44672	128.00%	70	130		
☑	Propylene	1.02	1.88	184.31%	70	130	*	BS
☑	m,p-Xylene-ug/m3	16.6733	20.1469	120.83%	70	130		
☑	Propylene-ug/m3	1.75542	3.23548	184.31%	70	130	*	BS
☑	Hexachlorobutadiene-ug/m3	10.0251	10.7717	107.45%	70	130		
☑	Hexachlorobutadiene	0.94	1.01	107.45%	70	130		
☑	Heptane-ug/m3	4.05801	5.20573	128.28%	70	130		B
☑	Heptane	0.99	1.27	128.28%	70	130		B
☑	Ethylbenzene	0.98	1.24	126.53%	70	130		
☑	Ethyl benzene-ug/m3	4.25516	5.38408	126.53%	70	130		
☑	Ethyl acetate-ug/m3	3.53094	3.85521	109.18%	70	130		
☑	Ethyl acetate	0.98	1.07	109.18%	70	130		
☑	Ethanol-ug/m3	1.73328	2.78832	160.87%	70	130	*	S
☑	Methylene chloride	1	1.28	128.00%	70	130		
☑	trans-1,2-Dichloroethene	0.98	1.2	122.45%	70	130		
☑	Vinyl chloride-ug/m3	2.40264	2.6838	111.70%	70	130		
☑	Vinyl chloride	0.94	1.05	111.70%	70	130		
☑	Vinyl acetate-ug/m3	3.48579	3.69705	106.06%	70	130		
☑	Vinyl acetate	0.99	1.05	106.06%	70	130		
☑	Trichlorofluoromethane-ug/m3	5.39328	6.4607	119.79%	70	130		
☑	Trichlorofluoromethane	0.96	1.15	119.79%	70	130		
☑	Trichloroethene-ug/m3	5.15904	6.12636	118.75%	70	130		
☑	Trichloroethene	0.96	1.14	118.75%	70	130		
☑	trans-1,3-Dichloropropene-ug/m3	4.13049	4.35744	105.49%	70	130		
☑	p-Ethyltoluene-ug/m3	4.81768	5.80088	120.41%	70	130		
☑	trans-1,2-Dichloroethene-ug/m3	3.8857	4.758	122.45%	70	130		
☑	Tetrachloroethene-ug/m3	6.51072	7.52802	115.63%	70	130		
☑	Toluene-ug/m3	3.69362	4.63587	125.51%	70	130		B
☑	Toluene	0.98	1.23	125.51%	70	130		B
☑	1,3-Dichlorobenzene	0.97	1.04	107.22%	70	130		
☑	Tetrahydrofuran	1	1.1	110.00%	70	130		
☑	Tetrachloroethene	0.96	1.11	115.63%	70	130		
☑	tert-Butyl methyl ether-ug/m3	3.56895	4.5423	127.27%	70	130		
☑	tert-Butyl Methyl Ether	0.99	1.26	127.27%	70	130		
☑	Styrene-ug/m3	4.1748	4.4304	106.12%	70	130		
☑	Styrene	0.98	1.04	106.12%	70	130		
☑	trans-1,3-dichloropropene	0.91	0.96	105.49%	70	130		
☑	4-Methyl-2-pentanone	1	1.05	105.00%	70	130		
☑	Bromoform-ug/m3	9.92352	10.5437	106.25%	70	130		

Spikes and Surrogates Report

RunID: VOA1_110323A **Analyst:** Michael Truchan

RunNo: 39579

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751505	TO15 RLVS 20cc v	EPA_TO15-ug/m3	RLVS	R39579	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	Bromoform	0.96	1.02	106.25%	70	130		
☑	Bromodichloromethane-ug/m3	6.43104	7.10094	110.42%	70	130		
☑	Bromodichloromethane	0.96	1.06	110.42%	70	130		
☑	Benzyl chloride-ug/m3	5.02169	5.07346	101.03%	70	130		
☑	Benzyl chloride	0.97	0.98	101.03%	70	130		
☑	Benzene-ug/m3	3.0672	4.0896	133.33%	70	130	*	BS
☑	Benzene	0.96	1.28	133.33%	70	130	*	BS
☑	Acetone-ug/m3	2.375	3.01625	127.00%	70	130		
☑	Bromomethane	0.93	1.07	115.05%	70	130		
☑	4-Methyl-2-pentanone-ug/m3	4.098	4.3029	105.00%	70	130		
☑	2-Propanol-ug/m3	2.48258	2.92502	117.82%	70	130		
☑	2-Propanol	1.01	1.19	117.82%	70	130		
☑	2-Hexanone	0.98	1.4	142.86%	70	130	*	S
☑	2-Butanone-ug/m3	2.91951	3.36186	115.15%	70	130		
☑	2-Butanone	0.99	1.14	115.15%	70	130		
☑	1,4-Dioxane-ug/m3	3.45984	4.505	130.21%	70	130	*	S
☑	1,4-Dioxane	0.96	1.25	130.21%	70	130	*	S
☑	1,4-Dichlorobenzene-ug/m3	5.77152	6.3126	109.38%	70	130		
☑	Dichlorodifluoromethane-ug/m3	4.5494	5.4395	119.57%	70	130		
☑	Tetrahydrofuran-ug/m3	2.949	3.2439	110.00%	70	130		
☑	Acetone	1	1.27	127.00%	70	130		
☑	cis-1,2-Dichloroethene	0.98	1.18	120.41%	70	130		
☑	Dichlorodifluoromethane	0.92	1.1	119.57%	70	130		
☑	Cyclohexane-ug/m3	3.37316	4.61228	136.73%	70	130	*	BS
☑	2-Hexanone-ug/m3	4.01506	5.7358	142.86%	70	130	*	S
☑	Bromomethane-ug/m3	3.61119	4.15481	115.05%	70	130		
☑	Cyclohexane	0.98	1.34	136.73%	70	130	*	BS
☑	cis-1,3-Dichloropropene-ug/m3	4.31205	4.58439	106.32%	70	130		
☑	cis-1,2-Dichloroethene-ug/m3	3.8857	4.6787	120.41%	70	130		
☑	Chloromethane-ug/m3	1.96175	2.478	126.32%	70	130		
☑	Chloromethane	0.95	1.2	126.32%	70	130		
☑	Chloroform-ug/m3	4.78534	5.71311	119.39%	70	130		
☑	Chloroform	0.98	1.17	119.39%	70	130		
☑	Chlorobenzene-ug/m3	4.55796	4.97232	109.09%	70	130		
☑	Chloroethane	0.92	1.07	116.30%	70	130		
☑	Carbon tetrachloride	0.95	1.14	120.00%	70	130		
☑	Chlorodibromomethane-ug/m3	8.34862	8.77457	105.10%	70	130		
☑	cis-1,3-dichloropropene	0.95	1.01	106.32%	70	130		
☑	Chlorodibromomethane	0.98	1.03	105.10%	70	130		
☑	Carbon tetrachloride-ug/m3	5.97645	7.17174	120.00%	70	130		
☑	Chloroethane-ug/m3	2.42696	2.82266	116.30%	70	130		
☑	Carbon disulfide-ug/m3	3.02058	3.64338	120.62%	70	130		

Spikes and Surrogates Report

RunID: VOA1_110323A **Analyst:** Michael Truchan

RunNo: 39579

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751505	TO15 RLVS 20cc v	EPA_TO15-ug/m3	RLVS	R39579	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	Chlorobenzene	0.99	1.08	109.09%	70	130		
☑	Carbon disulfide	0.97	1.17	120.62%	70	130		

Total Recoveries Out: 16

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751520	TO15 RLVS 20cc v	EPA_TO15	RLVS	R39579	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	Ethanol	0.92	1.21	131.52%	70	130	*	S
☑	Ethylbenzene	0.98	1.28	130.61%	70	130	*	S
☑	Heptane	0.99	1.34	135.35%	70	130	*	BS
☑	Hexachlorobutadiene	0.94	1.01	107.45%	70	130		
☑	m,p-Xylene	1.92	2.47	128.65%	70	130		
☑	Ethyl acetate	0.98	1.03	105.10%	70	130		
☑	Dichlorodifluoromethane	0.92	1.26	136.96%	70	130	*	S
☑	cis-1,3-dichloropropene	0.95	1.04	109.47%	70	130		
☑	cis-1,2-Dichloroethene	0.98	1.17	119.39%	70	130		
☑	Chloroethane	0.98	1.22	124.49%	70	130		
☑	Methylene chloride	1	1.42	142.00%	70	130	*	S
☑	Trichloroethene	0.96	1.21	126.04%	70	130		
☑	Chloromethane	0.98	1.45	147.96%	70	130	*	S
☑	Chloroform	0.94	1.26	134.04%	70	130	*	S
☑	Cyclohexane	0.98	1.33	135.71%	70	130	*	BS
☑	n-Hexane	1.01	1.36	134.65%	70	130	*	BS
☑	o-Xylene	1	1.29	129.00%	70	130		
☑	Propylene	1.02	2.04	200.00%	70	130	*	BS
☑	Styrene	0.98	1.06	108.16%	70	130		
☑	tert-Butyl Methyl Ether	0.99	1.31	132.32%	70	130	*	S
☑	Tetrachloroethene	0.96	1.18	122.92%	70	130		
☑	Tetrahydrofuran	1	1.14	114.00%	70	130		
☑	Toluene	0.98	1.25	127.55%	70	130		B
☑	trans-1,3-dichloropropene	0.91	0.95	104.40%	70	130		
☑	Trichlorofluoromethane	0.96	1.28	133.33%	70	130	*	S
☑	Vinyl acetate	0.99	1.06	107.07%	70	130		
☑	Chlorodibromomethane	0.92	1.06	115.22%	70	130		
☑	1,2,4-Trichlorobenzene	0.91	0.63	69.23%	70	130	*	S
☑	Vinyl chloride	0.94	1.33	141.49%	70	130	*	S
☑	trans-1,2-Dichloroethene	0.98	1.27	129.59%	70	130		
☑	1,4-Dichlorobenzene	0.96	1.07	111.46%	70	130		
☑	Xylenes, Total	2.92	3.76	128.77%	70	130		
☑	1,1,1-Trichloroethane	9.96	1.2	12.05%	70	130	*	S
☑	1,1,2,2-Tetrachloroethane	1	1.05	105.00%	70	130		
☑	1,1,2-Trichloro-1,2,2-trifluoroethane	0.98	1.24	126.53%	70	130		
☑	1,1,2-Trichloroethane	0.98	1.11	113.27%	70	130		
☑	1,1-Dichloroethane	0.97	1.18	121.65%	70	130		

Spikes and Surrogates Report

RunID: VOA1_110323A **Analyst:** Michael Truchan

RunNo: 39579

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751520	TO15 RLVS 20cc v	EPA_TO15	RLVS	R39579	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	1,1-Dichloroethene	0.99	1.35	136.36%	70	130	*	S
☑	1,2,4-Trimethylbenzene	0.98	1.08	110.20%	70	130		
☑	1,2-Dichlorobenzene	0.97	1.07	110.31%	70	130		
☑	1,2-Dichloroethane	0.97	1.18	121.65%	70	130		
☑	1,2-Dichloropropane	0.98	1.14	116.33%	70	130		
☑	1,3,5-Trimethylbenzene	0.97	1.27	130.93%	70	130	*	S
☑	1,2-Dibromoethane	0.96	1.06	110.42%	70	130		
☑	1,3-Dichlorobenzene	0.97	1.05	108.25%	70	130		
☑	Chlorobenzene	0.99	1.19	120.20%	70	130		
☑	1,4-Dioxane	0.96	1	104.17%	70	130		
☑	2-Butanone	0.99	1.2	121.21%	70	130		
☑	2-Hexanone	0.98	1.18	120.41%	70	130		
☑	2-Propanol	1.01	1.12	110.89%	70	130		
☑	4-Methyl-2-pentanone	1	1.02	102.00%	70	130		
☑	Acetone	1	1.34	134.00%	70	130	*	S
☑	Benzene	0.96	1.25	130.21%	70	130	*	BS
☑	Benzyl chloride	0.97	0.91	93.81%	70	130		
☑	Bromodichloromethane	0.96	1.1	114.58%	70	130		
☑	Bromoform	0.96	1.06	110.42%	70	130		
☑	Bromomethane	0.93	1.22	131.18%	70	130	*	S
☑	Carbon disulfide	0.97	1.31	135.05%	70	130	*	S
☑	Carbon tetrachloride	0.95	1.17	123.16%	70	130		
☑	1,3-Butadiene	0.98	1.6	163.27%	70	130	*	S

Total Recoveries Out: 22

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751040
Analysis Date: 3/17/2011 7:04:00 PM
Analyst: Michael Truchan

Batch ID: R39558
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110317C
InstrumentID: VOA1

Analyte	Result	MDL	PQL	Qual	Units:
Acetone	5.32	1	1		ppbv
Acetone-ug/m3	12.635	2.375	2.375		µg/m³
Cyclohexane	1.42	1	1		ppbv
Cyclohexane-ug/m3	4.88764	3.442	3.442		µg/m³
Ethanol	1.54	1	1		ppbv
Ethanol-ug/m3	2.90136	1.884	1.884		µg/m³
Heptane	1.67	1	1		ppbv
Heptane-ug/m3	6.84533	4.099	4.099		µg/m³
Methylene chloride	1.43	1	1		ppbv
Methylene chloride-ug/m3	4.96782	3.474	3.474		µg/m³
Naphthalene	1.02	1	1		ppbv
Naphthalene-ug/m3	5.34684	5.242	5.242		µg/m³
n-Hexane	1.56	1	1		ppbv
n-Hexane-ug/m3	5.499	3.525	3.525		µg/m³
Propylene	4.92	1	1		ppbv
Propylene-ug/m3	8.46732	1.721	1.721		µg/m³
Toluene	5.82	1	1		ppbv
Toluene-ug/m3	21.93558	3.769	3.769		µg/m³

The following Samples are associated with this blank:

Sample ID	SeqNo	TestCode	SampType	RunID	BatchID	AnalDate	DF
TO15 CCV 40cc vo	751006	EPA_TO15-ug/m3	CCV	VOA1_110317C	R39558	3/17/2011 3:29:00 PM	1

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751040
Analysis Date: 3/17/2011 7:04:00 PM
Analyst: Michael Truchan

Batch ID: R39558
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110317C
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Acetone	10.47	1	1		ppbv
☑	Acetone-ug/m3	24.86625	2.375	2.375		µg/m³
☑	Cyclohexane	10.94	1	1		ppbv
☑	Cyclohexane-ug/m3	37.65548	3.442	3.442		µg/m³
☑	Ethanol	13.08	1	1		ppbv
☑	Ethanol-ug/m3	24.64272	1.884	1.884		µg/m³
☑	Heptane	10.82	1	1		ppbv
☑	Heptane-ug/m3	44.35118	4.099	4.099		µg/m³
☑	Methylene chloride	10.22	1	1		ppbv
☑	Methylene chloride-ug/m3	35.50428	3.474	3.474		µg/m³
☑	Naphthalene	6.98	1	1		ppbv
☑	Naphthalene-ug/m3	36.58916	5.242	5.242		µg/m³
☑	n-Hexane	10.45	1	1		ppbv
☑	n-Hexane-ug/m3	36.83625	3.525	3.525		µg/m³
☑	Propylene	11.33	1	1		ppbv
☑	Propylene-ug/m3	19.49893	1.721	1.721		µg/m³
☑	Toluene	11.76	1	1		ppbv
☑	Toluene-ug/m3	44.32344	3.769	3.769		µg/m³

TO15 RLVS 20cc v	751007	EPA_TO15-ug/m3	RLVS	VOA1_110317C	R39558	3/17/2011 4:59:00 PM	1

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751040
Analysis Date: 3/17/2011 7:04:00 PM
Analyst: Michael Truchan

Batch ID: R39558
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110317C
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Acetone	1.35	1	1		ppbv
☑	Acetone-ug/m3	3.20625	2.375	2.375		µg/m³
☑	Cyclohexane	1.22	1	1		ppbv
☑	Cyclohexane-ug/m3	4.19924	3.442	3.442		µg/m³
☑	Ethanol	1.15	1	1		ppbv
☑	Ethanol-ug/m3	2.1666	1.884	1.884		µg/m³
☑	Heptane	1.26	1	1		ppbv
☑	Heptane-ug/m3	5.16474	4.099	4.099		µg/m³
☑	Methylene chloride	1.16	1	1		ppbv
☑	Methylene chloride-ug/m3	4.02984	3.474	3.474		µg/m³
☑	Naphthalene	1.06	1	1		ppbv
☑	Naphthalene-ug/m3	5.55652	5.242	5.242		µg/m³
☑	n-Hexane	1.26	1	1		ppbv
☑	n-Hexane-ug/m3	4.4415	3.525	3.525		µg/m³
☑	Propylene	1.12	1	1		ppbv
☑	Propylene-ug/m3	1.92752	1.721	1.721		µg/m³
☑	Toluene	1.36	1	1		ppbv
☑	Toluene-ug/m3	5.12584	3.769	3.769		µg/m³

TO15 RLVS 20cc v	751008	EPA_TO15-ug/m3	RLVS	VOA1_110317C	R39558	3/18/2011 2:04:00 PM 1

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751040
Analysis Date: 3/17/2011 7:04:00 PM
Analyst: Michael Truchan

Batch ID: R39558
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110317C
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Acetone	1.3	1	1		ppbv
☑	Acetone-ug/m3	3.0875	1.19	1.19		µg/m³
☑	Cyclohexane	1.32	1	1		ppbv
☑	Cyclohexane-ug/m3	4.54344	1.72	1.72		µg/m³
☑	Ethanol	0.85	1	1		ppbv
☑	Ethanol-ug/m3	1.6014	0.94	0.94		µg/m³
☑	Heptane	1.29	1	1		ppbv
☑	Heptane-ug/m3	5.28771	2.05	2.05		µg/m³
☑	Methylene chloride	1.23	1	1		ppbv
☑	Methylene chloride-ug/m3	4.27302	1.74	1.74		µg/m³
☑	Naphthalene	0.74	1	1		ppbv
☑	Naphthalene-ug/m3	3.87908	2.62	2.62		µg/m³
☑	n-Hexane	1.36	1	1		ppbv
☑	n-Hexane-ug/m3	4.794	1.76	1.76		µg/m³
☑	Propylene	2.06	1	1		ppbv
☑	Propylene-ug/m3	3.54526	0.86	0.86		µg/m³
☑	Toluene	1.39	1	1		ppbv
☑	Toluene-ug/m3	5.23891	1.88	1.88		µg/m³

BFB 50cc voa020211c	751059	BFB_TUNE	TUNE	VOA1_110317C	R39558	3/17/2011 9:24:00 AM	1
BFB 50cc voa020211c	751060	BFB_TUNE	TUNE	VOA1_110317C	R39558	3/17/2011 2:49:00 PM	1
1103120-001A	**751452**	**EPA_TO15-ug/m3**	**SAMP**	**VOA1_110317C**	**R39558**	**3/17/2011 7:47:00 PM**	**2**

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751040
Analysis Date: 3/17/2011 7:04:00 PM
Analyst: Michael Truchan

Batch ID: R39558
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110317C
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Acetone	28.54	2	2		ppbv
☑	Acetone-ug/m3	67.7825	4.75	4.75		µg/m³
☑	Cyclohexane	11.44	2	2		ppbv
☑	Cyclohexane-ug/m3	39.37648	6.884	6.884		µg/m³
☑	Ethanol	39.74	2	2		ppbv
☑	Ethanol-ug/m3	74.87016	3.768	3.768		µg/m³
☑	Heptane	7.22	2	2		ppbv
☑	Heptane-ug/m3	29.59478	8.198	8.198		µg/m³
☑	Methylene chloride	31.12	2	2		ppbv
☑	Methylene chloride-ug/m3	108.11088	6.948	6.948		µg/m³
☑	n-Hexane	16.06	2	2		ppbv
☑	n-Hexane-ug/m3	56.6115	7.05	7.05		µg/m³
☑	Propylene	3.3	2	2		ppbv
☑	Propylene-ug/m3	5.6793	3.442	3.442		µg/m³
☑	Toluene	36.94	2	2		ppbv
☑	Toluene-ug/m3	139.22686	7.538	7.538		µg/m³

1103120-013A 751453 EPA_TO15-ug/m3 SAMP VOA1_110317C R39558 3/18/2011 3:00:00 AM 40000

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☐	Cyclohexane	123200	40000	40000		ppbv
☐	Cyclohexane-ug/m3	424054.4	137680	137680		µg/m³
☐	Heptane	96800	40000	40000		ppbv
☐	Heptane-ug/m3	396783.2	163960	163960		µg/m³
☐	n-Hexane	88800	40000	40000		ppbv
☐	n-Hexane-ug/m3	313020	141000	141000		µg/m³
☐	Propylene	2872000	40000	40000		ppbv
☐	Propylene-ug/m3	4942712	68840	68840		µg/m³
☐	Toluene	196800	40000	40000		ppbv
☐	Toluene-ug/m3	741739.2	150760	150760		µg/m³

1103120-013ADUP 751454 EPA_TO15-ug/m3 DUP VOA1_110317C R39558 3/18/2011 3:41:00 AM 40000

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751040
Analysis Date: 3/17/2011 7:04:00 PM
Analyst: Michael Truchan

Batch ID: R39558
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110317C
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☐	Cyclohexane	116000	40000	40000		ppbv
☐	Cyclohexane-ug/m3	399272	137680	137680		µg/m³
☐	Heptane	94400	40000	40000		ppbv
☐	Heptane-ug/m3	386945.6	163960	163960		µg/m³
☐	n-Hexane	83200	40000	40000		ppbv
☐	n-Hexane-ug/m3	293280	141000	141000		µg/m³
☐	Propylene	994800	40000	40000		ppbv
☐	Propylene-ug/m3	1712050.8	68840	68840		µg/m³
☐	Toluene	202400	40000	40000		ppbv
☐	Toluene-ug/m3	762845.6	150760	150760		µg/m³

1103120-002A	751455	EPA_TO15-ug/m3	SAMP	VOA1_110317C	R39558	3/18/2011 4:22:00 AM	80000

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Acetone	1434400	80000	80000		ppbv
☑	Acetone-ug/m3	3406700	190000	190000		µg/m³
☐	Cyclohexane	1707200	80000	80000		ppbv
☑	Cyclohexane-ug/m3	5876182.4	275360	275360		µg/m³
☐	Heptane	1686400	80000	80000		ppbv
☑	Heptane-ug/m3	6912553.6	327920	327920		µg/m³
☑	n-Hexane	1185600	80000	80000		ppbv
☑	n-Hexane-ug/m3	4179240	282000	282000		µg/m³
☑	Propylene	650400	80000	80000		ppbv
☑	Propylene-ug/m3	1119338.4	137680	137680		µg/m³
☑	Toluene	1430400	80000	80000		ppbv
☑	Toluene-ug/m3	5391177.6	301520	301520		µg/m³

1103120-003A	751456	EPA_TO15-ug/m3	SAMP	VOA1_110317C	R39558	3/18/2011 5:03:00 AM	80000

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751040
Analysis Date: 3/17/2011 7:04:00 PM
Analyst: Michael Truchan

Batch ID: R39558
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110317C
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Acetone	1355200	80000	80000		ppbv
☑	Acetone-ug/m3	3218600	190000	190000		µg/m³
☑	Cyclohexane	1595200	80000	80000		ppbv
☑	Cyclohexane-ug/m3	5490678.4	275360	275360		µg/m³
☐	Heptane	1658400	80000	80000		ppbv
☑	Heptane-ug/m3	6797781.6	327920	327920		µg/m³
☑	n-Hexane	1074400	80000	80000		ppbv
☑	n-Hexane-ug/m3	3787260	282000	282000		µg/m³
☑	Propylene	238400	80000	80000		ppbv
☑	Propylene-ug/m3	410286.4	137680	137680		µg/m³
☑	Toluene	1465600	80000	80000		ppbv
☑	Toluene-ug/m3	5523846.4	301520	301520		µg/m³

1103120-009A	751457	EPA_TO15-ug/m3	SAMP	VOA1_110317C	R39558	3/18/2011 8:38:00 AM	80000

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Acetone	163200	80000	80000		ppbv
☑	Acetone-ug/m3	387600	190000	190000		µg/m³
☑	Cyclohexane	1344000	80000	80000		ppbv
☑	Cyclohexane-ug/m3	4626048	275360	275360		µg/m³
☑	Heptane	744800	80000	80000		ppbv
☑	Heptane-ug/m3	3052935.2	327920	327920		µg/m³
☑	n-Hexane	1333600	80000	80000		ppbv
☑	n-Hexane-ug/m3	4700940	282000	282000		µg/m³
☑	Propylene	1225600	80000	80000		ppbv
☑	Propylene-ug/m3	2109257.6	137680	137680		µg/m³
☑	Toluene	977600	80000	80000		ppbv
☑	Toluene-ug/m3	3684574.4	301520	301520		µg/m³

1103120-004A	751459	EPA_TO15-ug/m3	SAMP	VOA1_110317C	R39558	3/18/2011 10:00:00 AM	40

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751040
Analysis Date: 3/17/2011 7:04:00 PM
Analyst: Michael Truchan

Batch ID: R39558
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110317C
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☐	Acetone	4414.8	40	40		ppbv
☑	Acetone-ug/m3	10485.15	95	95		µg/m³
☐	Cyclohexane	1560.4	40	40		ppbv
☑	Cyclohexane-ug/m3	5370.8968	137.68	137.68		µg/m³
☑	Ethanol	50.8	40	40		ppbv
☑	Ethanol-ug/m3	95.7072	75.36	75.36		µg/m³
☐	Heptane	1468.8	40	40		ppbv
☑	Heptane-ug/m3	6020.6112	163.96	163.96		µg/m³
☐	n-Hexane	1735.2	40	40		ppbv
☑	n-Hexane-ug/m3	6116.58	141	141		µg/m³
☐	Propylene	4588.8	40	40		ppbv
☑	Propylene-ug/m3	7897.3248	68.84	68.84		µg/m³
☑	Toluene	762.4	40	40		ppbv
☑	Toluene-ug/m3	2873.4856	150.76	150.76		µg/m³

1103120-005A 751460 EPA_TO15-ug/m3 SAMP VOA1_110317C R39558 3/18/2011 10:40:00 AM 40

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☐	Acetone	4104.8	40	40		ppbv
☑	Acetone-ug/m3	9748.9	95	95		µg/m³
☐	Cyclohexane	1549.6	40	40		ppbv
☑	Cyclohexane-ug/m3	5333.7232	137.68	137.68		µg/m³
☑	Ethanol	46.8	40	40		ppbv
☑	Ethanol-ug/m3	88.1712	75.36	75.36		µg/m³
☐	Heptane	1688.4	40	40		ppbv
☑	Heptane-ug/m3	6920.7516	163.96	163.96		µg/m³
☐	n-Hexane	1894.4	40	40		ppbv
☑	n-Hexane-ug/m3	6677.76	141	141		µg/m³
☐	Propylene	5282	40	40		ppbv
☑	Propylene-ug/m3	9090.322	68.84	68.84		µg/m³
☑	Toluene	581.2	40	40		ppbv
☑	Toluene-ug/m3	2190.5428	150.76	150.76		µg/m³

1103120-006A 751461 EPA_TO15-ug/m3 SAMP VOA1_110317C R39558 3/18/2011 11:21:00 AM 40

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751040
Analysis Date: 3/17/2011 7:04:00 PM
Analyst: Michael Truchan

Batch ID: R39558
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110317C
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Acetone	63.6	40	40		ppbv
☑	Acetone-ug/m3	151.05	95	95		µg/m³
☑	Cyclohexane	656	40	40		ppbv
☑	Cyclohexane-ug/m3	2257.952	137.68	137.68		µg/m³
☑	Heptane	482	40	40		ppbv
☑	Heptane-ug/m3	1975.718	163.96	163.96		µg/m³
☑	Naphthalene	41.6	40	40		ppbv
☑	Naphthalene-ug/m3	218.0672	209.68	209.68		µg/m³
☑	n-Hexane	220.8	40	40		ppbv
☑	n-Hexane-ug/m3	778.32	141	141		µg/m³
☐	Propylene	5452.4	40	40		ppbv
☑	Propylene-ug/m3	9383.5804	68.84	68.84		µg/m³
☐	Toluene	1644.4	40	40		ppbv
☑	Toluene-ug/m3	6197.7436	150.76	150.76		µg/m³

1103120-007A 751462 EPA_TO15-ug/m3 SAMP VOA1_110317C R39558 3/18/2011 12:01:00 PM 40

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Acetone	261.2	40	40		ppbv
☑	Acetone-ug/m3	620.35	95	95		µg/m³
☑	Cyclohexane	382.4	40	40		ppbv
☑	Cyclohexane-ug/m3	1316.2208	137.68	137.68		µg/m³
☑	Ethanol	49.2	40	40		ppbv
☑	Ethanol-ug/m3	92.6928	75.36	75.36		µg/m³
☑	Heptane	420	40	40		ppbv
☑	Heptane-ug/m3	1721.58	163.96	163.96		µg/m³
☑	n-Hexane	172	40	40		ppbv
☑	n-Hexane-ug/m3	606.3	141	141		µg/m³
☐	Propylene	7972.4	40	40		ppbv
☑	Propylene-ug/m3	13720.5004	68.84	68.84		µg/m³
☐	Toluene	1780.8	40	40		ppbv
☑	Toluene-ug/m3	6711.8352	150.76	150.76		µg/m³

1103120-008A 751463 EPA_TO15-ug/m3 SAMP VOA1_110317C R39558 3/18/2011 12:42:00 PM 40

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751040
Analysis Date: 3/17/2011 7:04:00 PM
Analyst: Michael Truchan

Batch ID: R39558
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110317C
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Acetone	316.8	40	40		ppbv
☑	Acetone-ug/m3	752.4	95	95		µg/m³
☑	Cyclohexane	779.6	40	40		ppbv
☑	Cyclohexane-ug/m3	2683.3832	137.68	137.68		µg/m³
☑	Heptane	579.6	40	40		ppbv
☑	Heptane-ug/m3	2375.7804	163.96	163.96		µg/m³
☑	n-Hexane	353.6	40	40		ppbv
☑	n-Hexane-ug/m3	1246.44	141	141		µg/m³
☐	Propylene	8150	40	40		ppbv
☑	Propylene-ug/m3	14026.15	68.84	68.84		µg/m³
☑	Toluene	344.4	40	40		ppbv
☑	Toluene-ug/m3	1298.0436	150.76	150.76		µg/m³

1103120-010A	751464	EPA_TO15-ug/m3	SAMP	VOA1_110317C	R39558	3/18/2011 1:23:00 PM	40

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Acetone	168	40	40		ppbv
☑	Acetone-ug/m3	399	95	95		µg/m³
☑	Cyclohexane	80.8	40	40		ppbv
☑	Cyclohexane-ug/m3	278.1136	137.68	137.68		µg/m³
☑	Ethanol	55.6	40	40		ppbv
☑	Ethanol-ug/m3	104.7504	75.36	75.36		µg/m³
☑	Heptane	71.6	40	40		ppbv
☑	Heptane-ug/m3	293.4884	163.96	163.96		µg/m³
☑	n-Hexane	77.6	40	40		ppbv
☑	n-Hexane-ug/m3	273.54	141	141		µg/m³
☑	Propylene	616.4	40	40		ppbv
☑	Propylene-ug/m3	1060.8244	68.84	68.84		µg/m³
☑	Toluene	117.6	40	40		ppbv
☑	Toluene-ug/m3	443.2344	150.76	150.76		µg/m³

TO15 L2 38cc voa	751465	EPA_TO15-ug/m3	ICAL	VOA1_110317C	R39558	3/17/2011 10:45:00 AM	1

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751040
Analysis Date: 3/17/2011 7:04:00 PM
Analyst: Michael Truchan

Batch ID: R39558
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110317C
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Acetone	1.36	1	1		ppbv
☑	Acetone-ug/m3	3.23	2.375	2.375		µg/m³
☑	Cyclohexane	1.31	1	1		ppbv
☑	Cyclohexane-ug/m3	4.50902	3.442	3.442		µg/m³
☑	Ethanol	0.95	1	1		ppbv
☑	Ethanol-ug/m3	1.7898	1.884	1.884		µg/m³
☑	Heptane	1.32	1	1		ppbv
☑	Heptane-ug/m3	5.41068	4.099	4.099		µg/m³
☑	Methylene chloride	1.28	1	1		ppbv
☑	Methylene chloride-ug/m3	4.44672	3.474	3.474		µg/m³
☑	Naphthalene	0.69	1	1		ppbv
☑	Naphthalene-ug/m3	3.61698	5.242	5.242		µg/m³
☑	n-Hexane	1.32	1	1		ppbv
☑	n-Hexane-ug/m3	4.653	3.525	3.525		µg/m³
☑	Propylene	1.22	1	1		ppbv
☑	Propylene-ug/m3	2.09962	1.721	1.721		µg/m³
☑	Toluene	1.39	1	1		ppbv
☑	Toluene-ug/m3	5.23891	3.769	3.769		µg/m³

TO15 L3 20cc voa	751466	EPA_TO15-ug/m3	ICAL	VOA1_110317C	R39558	3/17/2011 11:26:00 AM 1

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751040
Analysis Date: 3/17/2011 7:04:00 PM
Analyst: Michael Truchan

Batch ID: R39558
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110317C
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Acetone	5.84	1	1		ppbv
☑	Acetone-ug/m3	13.87	2.375	2.375		µg/m³
☑	Cyclohexane	5.32	1	1		ppbv
☑	Cyclohexane-ug/m3	18.31144	3.442	3.442		µg/m³
☑	Ethanol	5.94	1	1		ppbv
☑	Ethanol-ug/m3	11.19096	1.884	1.884		µg/m³
☑	Heptane	5.71	1	1		ppbv
☑	Heptane-ug/m3	23.40529	4.099	4.099		µg/m³
☑	Methylene chloride	5.42	1	1		ppbv
☑	Methylene chloride-ug/m3	18.82908	3.474	3.474		µg/m³
☑	Naphthalene	4.93	1	1		ppbv
☑	Naphthalene-ug/m3	25.84306	5.242	5.242		µg/m³
☑	n-Hexane	5.4	1	1		ppbv
☑	n-Hexane-ug/m3	19.035	3.525	3.525		µg/m³
☑	Propylene	5.6	1	1		ppbv
☑	Propylene-ug/m3	9.6376	1.721	1.721		µg/m³
☑	Toluene	5.54	1	1		ppbv
☑	Toluene-ug/m3	20.88026	3.769	3.769		µg/m³

TO15 L4 40cc voa	751467	EPA_TO15-ug/m3	ICAL	VOA1_110317C	R39558	3/17/2011 12:07:00 PM	1

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751040
Analysis Date: 3/17/2011 7:04:00 PM
Analyst: Michael Truchan

Batch ID: R39558
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110317C
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Acetone	8.86	1	1		ppbv
☑	Acetone-ug/m3	21.0425	2.375	2.375		µg/m³
☑	Cyclohexane	9.22	1	1		ppbv
☑	Cyclohexane-ug/m3	31.73524	3.442	3.442		µg/m³
☑	Ethanol	8.35	1	1		ppbv
☑	Ethanol-ug/m3	15.7314	1.884	1.884		µg/m³
☑	Heptane	9.2	1	1		ppbv
☑	Heptane-ug/m3	37.7108	4.099	4.099		µg/m³
☑	Methylene chloride	9.32	1	1		ppbv
☑	Methylene chloride-ug/m3	32.37768	3.474	3.474		µg/m³
☑	Naphthalene	8.9	1	1		ppbv
☑	Naphthalene-ug/m3	46.6538	5.242	5.242		µg/m³
☑	n-Hexane	9.49	1	1		ppbv
☑	n-Hexane-ug/m3	33.45225	3.525	3.525		µg/m³
☑	Propylene	9.59	1	1		ppbv
☑	Propylene-ug/m3	16.50439	1.721	1.721		µg/m³
☑	Toluene	8.68	1	1		ppbv
☑	Toluene-ug/m3	32.71492	3.769	3.769		µg/m³

TO15 L5 48cc voa	751468	EPA_TO15-ug/m3	ICAL	VOA1_110317C	R39558	3/17/2011 12:47:00 PM	1

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751040
Analysis Date: 3/17/2011 7:04:00 PM
Analyst: Michael Truchan

Batch ID: R39558
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110317C
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Acetone	10.24	1	1		ppbv
☑	Acetone-ug/m3	24.32	2.375	2.375		µg/m³
☑	Cyclohexane	10.76	1	1		ppbv
☑	Cyclohexane-ug/m3	37.03592	3.442	3.442		µg/m³
☑	Ethanol	9.83	1	1		ppbv
☑	Ethanol-ug/m3	18.51972	1.884	1.884		µg/m³
☑	Heptane	10.53	1	1		ppbv
☑	Heptane-ug/m3	43.16247	4.099	4.099		µg/m³
☑	Methylene chloride	11.04	1	1		ppbv
☑	Methylene chloride-ug/m3	38.35296	3.474	3.474		µg/m³
☑	Naphthalene	10.98	1	1		ppbv
☑	Naphthalene-ug/m3	57.55716	5.242	5.242		µg/m³
☑	n-Hexane	11.15	1	1		ppbv
☑	n-Hexane-ug/m3	39.30375	3.525	3.525		µg/m³
☑	Propylene	11.41	1	1		ppbv
☑	Propylene-ug/m3	19.63661	1.721	1.721		µg/m³
☑	Toluene	9.92	1	1		ppbv
☑	Toluene-ug/m3	37.38848	3.769	3.769		µg/m³

TO15 L6 60cc voa	751469	EPA_TO15-ug/m3	ICAL	VOA1_110317C	R39558	3/17/2011 1:27:00 PM	1

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751040
Analysis Date: 3/17/2011 7:04:00 PM
Analyst: Michael Truchan

Batch ID: R39558
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110317C
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Acetone	13.43	1	1		ppbv
☑	Acetone-ug/m3	31.89625	2.375	2.375		µg/m³
☑	Cyclohexane	13.06	1	1		ppbv
☑	Cyclohexane-ug/m3	44.95252	3.442	3.442		µg/m³
☑	Ethanol	13.29	1	1		ppbv
☑	Ethanol-ug/m3	25.03836	1.884	1.884		µg/m³
☑	Heptane	13.14	1	1		ppbv
☑	Heptane-ug/m3	53.86086	4.099	4.099		µg/m³
☑	Methylene chloride	13.48	1	1		ppbv
☑	Methylene chloride-ug/m3	46.82952	3.474	3.474		µg/m³
☑	Naphthalene	15.88	1	1		ppbv
☑	Naphthalene-ug/m3	83.24296	5.242	5.242		µg/m³
☑	n-Hexane	13.6	1	1		ppbv
☑	n-Hexane-ug/m3	47.94	3.525	3.525		µg/m³
☑	Propylene	14.02	1	1		ppbv
☑	Propylene-ug/m3	24.12842	1.721	1.721		µg/m³
☑	Toluene	13.09	1	1		ppbv
☑	Toluene-ug/m3	49.33621	3.769	3.769		µg/m³

TO15 L7 80cc voa	751470	EPA_TO15-ug/m3	ICAL	VOA1_110317C	R39558	3/17/2011 2:08:00 PM	1

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751040
Analysis Date: 3/17/2011 7:04:00 PM
Analyst: Michael Truchan

Batch ID: R39558
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110317C
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Acetone	16.67	1	1		ppbv
☑	Acetone-ug/m3	39.59125	2.375	2.375		µg/m³
☑	Cyclohexane	16.45	1	1		ppbv
☑	Cyclohexane-ug/m3	56.6209	3.442	3.442		µg/m³
☑	Ethanol	16.77	1	1		ppbv
☑	Ethanol-ug/m3	31.59468	1.884	1.884		µg/m³
☑	Heptane	16.13	1	1		ppbv
☑	Heptane-ug/m3	66.11687	4.099	4.099		µg/m³
☑	Methylene chloride	17.67	1	1		ppbv
☑	Methylene chloride-ug/m3	61.38558	3.474	3.474		µg/m³
☑	Naphthalene	19.61	1	1		ppbv
☑	Naphthalene-ug/m3	102.79562	5.242	5.242		µg/m³
☑	n-Hexane	17.53	1	1		ppbv
☑	n-Hexane-ug/m3	61.79325	3.525	3.525		µg/m³
☑	Propylene	18.62	1	1		ppbv
☑	Propylene-ug/m3	32.04502	1.721	1.721		µg/m³
☑	Toluene	16.32	1	1		ppbv
☑	Toluene-ug/m3	61.51008	3.769	3.769		µg/m³

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751506
Analysis Date: 3/23/2011 3:19:00 PM
Analyst: Michael Truchan

Batch ID: R39579
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110323A
InstrumentID: VOA1

Analyte	Result	MDL	PQL	Qual	Units:
Benzene	40	40	40		ppbv
Benzene-ug/m3	127.8	127.8	127.8		µg/m³
Cyclohexane	54.8	40	40		ppbv
Cyclohexane-ug/m3	188.6216	137.68	137.68		µg/m³
Heptane	56	40	40		ppbv
Heptane-ug/m3	229.544	163.96	163.96		µg/m³
n-Hexane	45.6	40	40		ppbv
n-Hexane-ug/m3	160.74	141	141		µg/m³
Propylene	76.8	40	40		ppbv
Propylene-ug/m3	132.1728	68.84	68.84		µg/m³
Toluene	116.4	40	40		ppbv
Toluene-ug/m3	438.7116	150.76	150.76		µg/m³

The following Samples are associated with this blank:

Sample ID	SeqNo	TestCode	SampType	RunID	BatchID	AnalDate	DF
TO15 CCV 40cc vo	751504	EPA_TO15-ug/m3	CCV	VOA1_110323A	R39579	3/23/2011 10:00:00 AM	1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Benzene	9.3	1	1		ppbv
☑	Benzene-ug/m3	29.7135	3.195	3.195		µg/m³
☑	Cyclohexane	9.96	1	1		ppbv
☑	Cyclohexane-ug/m3	34.28232	3.442	3.442		µg/m³
☑	Heptane	9.52	1	1		ppbv
☑	Heptane-ug/m3	39.02248	4.099	4.099		µg/m³
☑	n-Hexane	9.56	1	1		ppbv
☑	n-Hexane-ug/m3	33.699	3.525	3.525		µg/m³
☑	Propylene	12.17	1	1		ppbv
☑	Propylene-ug/m3	20.94457	1.721	1.721		µg/m³
☑	Toluene	9.49	1	1		ppbv
☑	Toluene-ug/m3	35.76781	3.769	3.769		µg/m³

TO15 RLVS 20cc v	751505	EPA_TO15-ug/m3	RLVS	VOA1_110323A	R39579	3/23/2011 10:43:00 AM	1

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751506
Analysis Date: 3/23/2011 3:19:00 PM
Analyst: Michael Truchan

Batch ID: R39579
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110323A
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Benzene	1.28	1	1		ppbv
☑	Benzene-ug/m3	4.0896	3.195	3.195		µg/m³
☑	Cyclohexane	1.34	1	1		ppbv
☑	Cyclohexane-ug/m3	4.61228	3.442	3.442		µg/m³
☑	Heptane	1.27	1	1		ppbv
☑	Heptane-ug/m3	5.20573	4.099	4.099		µg/m³
☑	n-Hexane	1.34	1	1		ppbv
☑	n-Hexane-ug/m3	4.7235	3.525	3.525		µg/m³
☑	Propylene	1.88	1	1		ppbv
☑	Propylene-ug/m3	3.23548	1.721	1.721		µg/m³
☑	Toluene	1.23	1	1		ppbv
☑	Toluene-ug/m3	4.63587	3.769	3.769		µg/m³

TO15 RLVS 20cc v | 751520 | EPA_TO15 | RLVS | VOA1_110323A | R39579 | 3/24/2011 7:37:00 AM | 1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Benzene	1.25	0.5	0.5		ppbv
☑	Cyclohexane	1.33	0.5	0.5		ppbv
☑	Heptane	1.34	0.5	0.5		ppbv
☑	n-Hexane	1.36	0.5	0.5		ppbv
☑	Propylene	2.04	0.5	0.5		ppbv
☑	Toluene	1.25	0.5	0.5		ppbv

1103120-013A | 751522 | EPA_TO15-ug/m3 | SAMP | VOA1_110323A | R39579 | 3/23/2011 6:23:00 PM | 16000

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Benzene	31200	16000	16000		ppbv
☐	Benzene-ug/m3	99684	51120	51120		µg/m³
☑	Cyclohexane	71520	16000	16000		ppbv
☐	Cyclohexane-ug/m3	246171.84	55072	55072		µg/m³
☑	Heptane	61760	16000	16000		ppbv
☐	Heptane-ug/m3	253154.24	65584	65584		µg/m³
☑	n-Hexane	49600	16000	16000		ppbv
☐	n-Hexane-ug/m3	174840	56400	56400		µg/m³
☑	Toluene	111040	16000	16000		ppbv
☐	Toluene-ug/m3	418509.76	60304	60304		µg/m³

1103120-002A | 751523 | EPA_TO15-ug/m3 | SAMP | VOA1_110323A | R39579 | 3/23/2011 7:03:00 PM | 160000

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751506
Analysis Date: 3/23/2011 3:19:00 PM
Analyst: Michael Truchan

Batch ID: R39579
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110323A
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☐	Benzene	564800	160000	160000		ppbv
☐	Benzene-ug/m3	1804536	511200	511200		µg/m³
☑	Cyclohexane	2174400	160000	160000		ppbv
☐	Cyclohexane-ug/m3	7484284.8	550720	550720		µg/m³
☑	Heptane	2315200	160000	160000		ppbv
☐	Heptane-ug/m3	9490004.8	655840	655840		µg/m³
☐	n-Hexane	1312000	160000	160000		ppbv
☐	n-Hexane-ug/m3	4624800	564000	564000		µg/m³
☐	Toluene	1545600	160000	160000		ppbv
☐	Toluene-ug/m3	5825366.4	603040	603040		µg/m³

1103120-003A 751524 EPA_TO15-ug/m3 SAMP VOA1_110323A R39579 3/23/2011 7:45:00 PM 160000

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☐	Benzene	480000	160000	160000		ppbv
☐	Benzene-ug/m3	1533600	511200	511200		µg/m³
☐	Cyclohexane	1862400	160000	160000		ppbv
☐	Cyclohexane-ug/m3	6410380.8	550720	550720		µg/m³
☑	Heptane	2009600	160000	160000		ppbv
☐	Heptane-ug/m3	8237350.4	655840	655840		µg/m³
☐	n-Hexane	1121600	160000	160000		ppbv
☐	n-Hexane-ug/m3	3953640	564000	564000		µg/m³
☐	Toluene	1374400	160000	160000		ppbv
☐	Toluene-ug/m3	5180113.6	603040	603040		µg/m³

1103120-015A 751525 EPA_TO15-ug/m3 SAMP VOA1_110323A R39579 3/23/2011 8:27:00 PM 16000

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Benzene	36480	16000	16000		ppbv
☑	Benzene-ug/m3	116553.6	51120	51120		µg/m³
☑	Cyclohexane	66560	16000	16000		ppbv
☑	Cyclohexane-ug/m3	229099.52	55072	55072		µg/m³
☑	Heptane	40320	16000	16000		ppbv
☑	Heptane-ug/m3	165271.68	65584	65584		µg/m³
☑	n-Hexane	61600	16000	16000		ppbv
☑	n-Hexane-ug/m3	217140	56400	56400		µg/m³
☑	Propylene	1116800	16000	16000	E	ppbv
☑	Propylene-ug/m3	1922012.8	27536	27536		µg/m³

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751506
Analysis Date: 3/23/2011 3:19:00 PM
Analyst: Michael Truchan

Batch ID: R39579
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110323A
InstrumentID: VOA1

1103120-004A 751526 EPA_TO15-ug/m3 SAMP VOA1_110323A R39579 3/23/2011 9:54:00 PM 400

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Benzene	2272	400	400		ppbv
☐	Benzene-ug/m3	7259.04	1278	1278		µg/m³
☑	Cyclohexane	4132	400	400		ppbv
☐	Cyclohexane-ug/m3	14222.344	1376.8	1376.8		µg/m³
☑	Heptane	4516	400	400		ppbv
☐	Heptane-ug/m3	18511.084	1639.6	1639.6		µg/m³
☑	n-Hexane	3880	400	400		ppbv
☐	n-Hexane-ug/m3	13677	1410	1410		µg/m³
☑	Propylene	18024	400	400	E	ppbv
☐	Propylene-ug/m3	31019.304	688.4	688.4		µg/m³
☐	Toluene	3048	400	400		ppbv
☐	Toluene-ug/m3	11487.912	1507.6	1507.6		µg/m³

1103120-005A 751527 EPA_TO15-ug/m3 SAMP VOA1_110323A R39579 3/23/2011 10:39:00 PM 400

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☐	Benzene	968	400	400		ppbv
☐	Benzene-ug/m3	3092.76	1278	1278		µg/m³
☑	Cyclohexane	1956	400	400		ppbv
☐	Cyclohexane-ug/m3	6732.552	1376.8	1376.8		µg/m³
☑	Heptane	2184	400	400		ppbv
☐	Heptane-ug/m3	8952.216	1639.6	1639.6		µg/m³
☑	n-Hexane	1852	400	400		ppbv
☐	n-Hexane-ug/m3	6528.3	1410	1410		µg/m³
☑	Propylene	9312	400	400	E	ppbv
☐	Propylene-ug/m3	16025.952	688.4	688.4		µg/m³
☐	Toluene	1176	400	400		ppbv
☐	Toluene-ug/m3	4432.344	1507.6	1507.6		µg/m³

1103120-006A 751528 EPA_TO15-ug/m3 SAMP VOA1_110323A R39579 3/23/2011 11:24:00 PM 400

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751506
Analysis Date: 3/23/2011 3:19:00 PM
Analyst: Michael Truchan

Batch ID: R39579
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110323A
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☐	Benzene	1164	400	400		ppbv
☐	Benzene-ug/m3	3718.98	1278	1278		µg/m³
☐	Cyclohexane	1380	400	400		ppbv
☐	Cyclohexane-ug/m3	4749.96	1376.8	1376.8		µg/m³
☐	Heptane	1160	400	400		ppbv
☐	Heptane-ug/m3	4754.84	1639.6	1639.6		µg/m³
☐	n-Hexane	696	400	400		ppbv
☐	n-Hexane-ug/m3	2453.4	1410	1410		µg/m³
☑	Propylene	35596	400	400	E	ppbv
☐	Propylene-ug/m3	61260.716	688.4	688.4		µg/m³
☑	Toluene	4276	400	400		ppbv
☐	Toluene-ug/m3	16116.244	1507.6	1507.6		µg/m³

1103120-007A 751529 EPA_TO15-ug/m3 SAMP VOA1_110323A R39579 3/24/2011 12:08:00 AM 800

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☐	Benzene	2512	800	800		ppbv
☐	Benzene-ug/m3	8025.84	2556	2556		µg/m³
☐	Cyclohexane	1352	800	800		ppbv
☐	Cyclohexane-ug/m3	4653.584	2753.6	2753.6		µg/m³
☐	Heptane	1384	800	800		ppbv
☐	Heptane-ug/m3	5673.016	3279.2	3279.2		µg/m³
☐	n-Hexane	1192	800	800		ppbv
☐	n-Hexane-ug/m3	4201.8	2820	2820		µg/m³
☑	Propylene	52680	800	800	E	ppbv
☐	Propylene-ug/m3	90662.28	1376.8	1376.8		µg/m³
☑	Toluene	5184	800	800		ppbv
☐	Toluene-ug/m3	19538.496	3015.2	3015.2		µg/m³

1103120-008A 751530 EPA_TO15-ug/m3 SAMP VOA1_110323A R39579 3/24/2011 12:53:00 AM 800

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751506
Analysis Date: 3/23/2011 3:19:00 PM
Analyst: Michael Truchan

Batch ID: R39579
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110323A
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Benzene	5256	800	800		ppbv
☐	Benzene-ug/m3	16792.92	2556	2556		µg/m³
☐	Cyclohexane	2168	800	800		ppbv
☐	Cyclohexane-ug/m3	7462.256	2753.6	2753.6		µg/m³
☐	Heptane	1696	800	800		ppbv
☐	Heptane-ug/m3	6951.904	3279.2	3279.2		µg/m³
☐	n-Hexane	1600	800	800		ppbv
☐	n-Hexane-ug/m3	5640	2820	2820		µg/m³
☑	Propylene	66784	800	800	E	ppbv
☐	Propylene-ug/m3	114935.264	1376.8	1376.8		µg/m³
☐	Toluene	1264	800	800		ppbv
☐	Toluene-ug/m3	4764.016	3015.2	3015.2		µg/m³

1103120-011A 751531 EPA_TO15-ug/m3 SAMP VOA1_110323A R39579 3/24/2011 1:38:00 AM 800

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Benzene	8336	800	800		ppbv
☑	Benzene-ug/m3	26633.52	2556	2556		µg/m³
☑	Cyclohexane	2000	800	800		ppbv
☑	Cyclohexane-ug/m3	6884	2753.6	2753.6		µg/m³
☑	Heptane	1320	800	800		ppbv
☑	Heptane-ug/m3	5410.68	3279.2	3279.2		µg/m³
☑	n-Hexane	2056	800	800		ppbv
☑	n-Hexane-ug/m3	7247.4	2820	2820		µg/m³
☑	Propylene	60368	800	800	E	ppbv
☑	Propylene-ug/m3	103893.328	1376.8	1376.8		µg/m³
☑	Toluene	1928	800	800		ppbv
☑	Toluene-ug/m3	7266.632	3015.2	3015.2		µg/m³

1103120-012A 751532 EPA_TO15-ug/m3 SAMP VOA1_110323A R39579 3/24/2011 2:23:00 AM 800

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751506
Analysis Date: 3/23/2011 3:19:00 PM
Analyst: Michael Truchan

Batch ID: R39579
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110323A
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Benzene	10320	800	800		ppbv
☑	Benzene-ug/m3	32972.4	2556	2556		µg/m³
☑	Cyclohexane	2032	800	800		ppbv
☑	Cyclohexane-ug/m3	6994.144	2753.6	2753.6		µg/m³
☑	Heptane	1360	800	800		ppbv
☑	Heptane-ug/m3	5574.64	3279.2	3279.2		µg/m³
☑	n-Hexane	2136	800	800		ppbv
☑	n-Hexane-ug/m3	7529.4	2820	2820		µg/m³
☑	Propylene	45936	800	800	E	ppbv
☑	Propylene-ug/m3	79055.856	1376.8	1376.8		µg/m³
☑	Toluene	2344	800	800		ppbv
☑	Toluene-ug/m3	8834.536	3015.2	3015.2		µg/m³

1103120-014A 751533 EPA_TO15-ug/m3 SAMP VOA1_110323A R39579 3/24/2011 3:08:00 AM 800

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Benzene	7432	800	800		ppbv
☑	Benzene-ug/m3	23745.24	2556	2556		µg/m³
☑	Cyclohexane	4936	800	800		ppbv
☑	Cyclohexane-ug/m3	16989.712	2753.6	2753.6		µg/m³
☑	Heptane	2912	800	800		ppbv
☑	Heptane-ug/m3	11936.288	3279.2	3279.2		µg/m³
☑	n-Hexane	4672	800	800		ppbv
☑	n-Hexane-ug/m3	16468.8	2820	2820		µg/m³
☑	Propylene	92544	800	800	E	ppbv
☑	Propylene-ug/m3	159268.224	1376.8	1376.8		µg/m³
☑	Toluene	1392	800	800		ppbv
☑	Toluene-ug/m3	5246.448	3015.2	3015.2		µg/m³

1103120-014ADUP 751536 EPA_TO15-ug/m3 DUP VOA1_110323A R39579 3/24/2011 3:56:00 AM 800

Method Blank Contamination Report

Blank ID: MBLK
SeqNo: 751506
Analysis Date: 3/23/2011 3:19:00 PM
Analyst: Michael Truchan

Batch ID: R39579
TestCode: EPA_TO15-ug/m3
RunID: VOA1_110323A
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	Benzene	5400	800	800		ppbv
☐	Benzene-ug/m3	17253	2556	2556		µg/m³
☑	Cyclohexane	3760	800	800		ppbv
☐	Cyclohexane-ug/m3	12941.92	2753.6	2753.6		µg/m³
☑	Heptane	2504	800	800		ppbv
☐	Heptane-ug/m3	10263.896	3279.2	3279.2		µg/m³
☑	n-Hexane	3632	800	800		ppbv
☐	n-Hexane-ug/m3	12802.8	2820	2820		µg/m³
☑	Propylene	77096	800	800	E	ppbv
☐	Propylene-ug/m3	132682.216	1376.8	1376.8		µg/m³
☑	Toluene	1304	800	800		ppbv
☐	Toluene-ug/m3	4914.776	3015.2	3015.2		µg/m³

BFB 50cc voa020211c	756281	BFB_TUNE	TUNE	VOA1_110323A	R39579	3/23/2011 9:18:00 AM 1

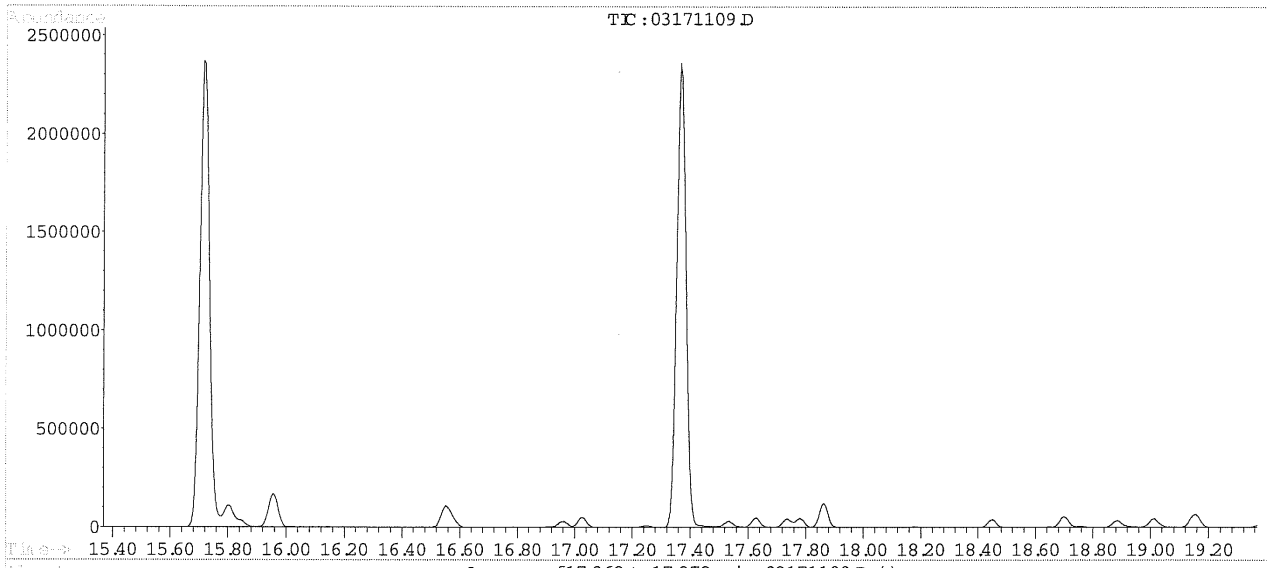
Injection Log

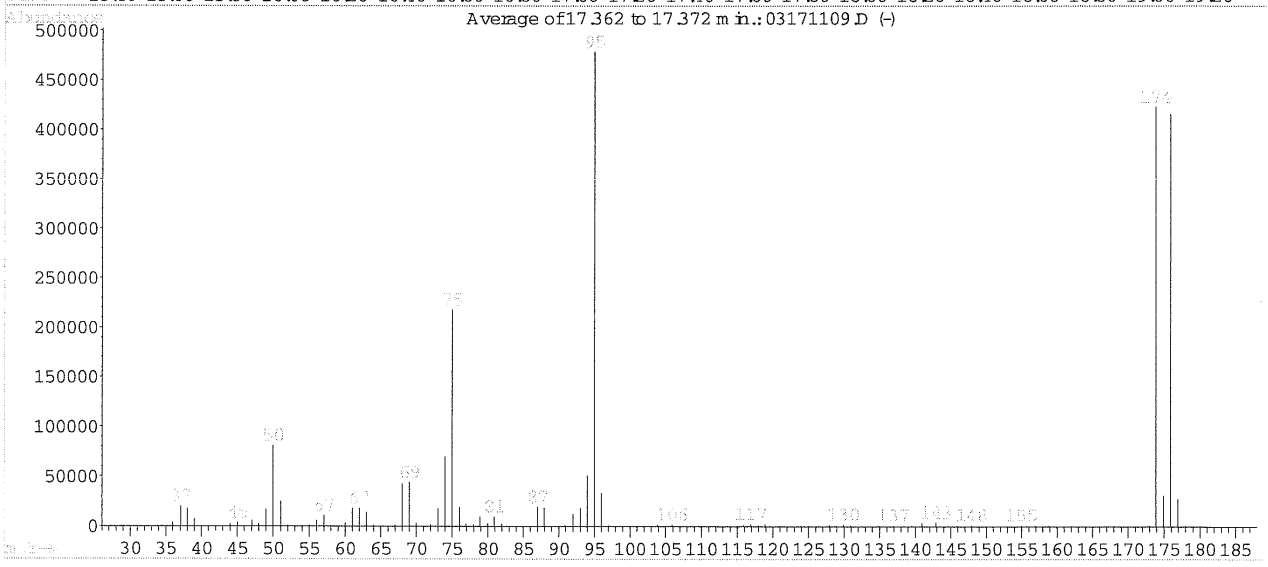
Directory: C:\HPCHEM\1\DATA\031711

Line	Vial	FileName	Multiplier	SampleName	MiscInfo	Injected
1	1	03171101.d	1.	BFB 50cc voa020211c	ical EPA_TO15	17 Mar 2011 09:24
2	2	03171102.d	1.	TO15 L1 18cc voa092310d	ICAL EPA_TO15	17 Mar 2011 10:04
3	2	03171103.d	1.	TO15 L2 38cc voa092310d	ICAL EPA_TO15	17 Mar 2011 10:45
4	1	03171104.d	1.	TO15 L3 20cc voa101910d	ICAL EPA_TO15	17 Mar 2011 11:26
5	1	03171105.d	1.	TO15 L4 40cc voa101910d	ICAL EPA_TO15	17 Mar 2011 12:07
6	1	03171106.d	1.	TO15 L5 48cc voa101910d	ICAL EPA_TO15	17 Mar 2011 12:47
7	1	03171107.d	1.	TO15 L6 60cc voa101910d	ICAL EPA_TO15	17 Mar 2011 13:27
8	1	03171108.d	1.	TO15 L7 80cc voa101910d	ICAL EPA_TO15	17 Mar 2011 14:08
9	1	03171109.d	1.	BFB 50cc voa020211c	ical EPA_TO15	17 Mar 2011 14:49
10	1	03171110.d	1.	TO15 CCV 40cc voa010711a	CCV EPA_TO15	17 Mar 2011 15:29
11	2	03171112.d	1.	TO15 RLVS 20cc voa092310d	RLVS EPA_TO15	17 Mar 2011 16:59
12	3	03171113.d	1.	APH CCV 150cc voa020211b	RLVS EPA_TO15	17 Mar 2011 17:40
13	4	03171114.d	1.	APH RLVS 20cc voa020211a	RLVS EPA_TO15	17 Mar 2011 18:20
14	1	03171115.d	1.	MBLK	MBLK EPA_TO15-ug/m3	17 Mar 2011 19:04
15	3	03171116.d	2.	1103120-001A	SAMP EPA_TO15-ug/m3	17 Mar 2011 19:47
16	4	03171117.d	2.	1103120-004A	SAMP EPA_TO15-ug/m3	17 Mar 2011 20:31
17	6	03171118.d	2.	1103120-005A	SAMP EPA_TO15-ug/m3	17 Mar 2011 21:15
18	7	03171119.d	2.	1103120-006A	SAMP EPA_TO15-ug/m3	17 Mar 2011 21:58
19	8	03171120.d	2.	1103120-007A	SAMP EPA_TO15-ug/m3	17 Mar 2011 22:42
20	9	03171121.d	2.	1103120-008A	SAMP EPA_TO15-ug/m3	17 Mar 2011 23:26
21	10	03171122.d	2.	1103120-010A	SAMP EPA_TO15-ug/m3	18 Mar 2011 00:10
22	11	03171123.d	2.	1103120-011A	SAMP EPA_TO15-ug/m3	18 Mar 2011 00:53
23	12	03171124.d	2.	1103120-012A	SAMP EPA_TO15-ug/m3	18 Mar 2011 01:36
24	13	03171125.d	2.	1103120-014A	SAMP EPA_TO15-ug/m3	18 Mar 2011 02:20
25	14	03171126.d	40000.	1103120-013A	SAMP EPA_TO15-ug/m3	18 Mar 2011 03:00
26	14	03171127.d	40000.	1103120-013ADUP	DUP EPA_TO15-ug/m3	18 Mar 2011 03:41
27	15	03171128.d	80000.	1103120-002A	SAMP EPA_TO15-ug/m3	18 Mar 2011 04:22
28	16	03171129.d	80000.	1103120-003A	SAMP EPA_TO15-ug/m3	18 Mar 2011 05:03
29	1	03171130.d	80000.	1103120-009A	SAMP EPA_TO15-ug/m3	18 Mar 2011 08:38
30	1	03171131.d	80000.	1103120-015A	SAMP EPA_TO15-ug/m3	18 Mar 2011 09:19
31	4	03171132.d	40.	1103120-004A	SAMP EPA_TO15-ug/m3	18 Mar 2011 10:00
32	6	03171133.d	40.	1103120-005A	SAMP EPA_TO15-ug/m3	18 Mar 2011 10:40
33	7	03171134.d	40.	1103120-006A	SAMP EPA_TO15-ug/m3	18 Mar 2011 11:21
34	8	03171135.d	40.	1103120-007A	SAMP EPA_TO15-ug/m3	18 Mar 2011 12:01
35	9	03171136.d	40.	1103120-008A	SAMP EPA_TO15-ug/m3	18 Mar 2011 12:42
36	10	03171137.d	40.	1103120-010A	SAMP EPA_TO15-ug/m3	18 Mar 2011 13:23
37	2	03171138.d	1.	TO15 RLVS 20cc voa092310d	RLVS EPA_TO15	18 Mar 2011 14:04
38	4	03171139.d	1.	APH RLVS 20cc voa020211a	RLVS EPA_TO15	18 Mar 2011 14:45
39	1	03171140.d	1.	BFB 50cc voa020211c	ical EPA_TO15	18 Mar 2011 16:39
40	2	03171141.d	1.	TO15 CCV 40cc voa010711a	CCV EPA_TO15	18 Mar 2011 17:20
41	3	03171142.d	1.	APH CCV 150cc voa020211b	RLVS EPA_TO15	18 Mar 2011 18:02
42	1	03171143.d	1.	MBLK	MBLK EPA_TO15-ug/m3	18 Mar 2011 18:48
43	11	03171144.d	40.	1103120-011A	SAMP EPA_TO15-ug/m3	18 Mar 2011 19:29
44	12	03171145.d	40.	1103120-012A	SAMP EPA_TO15-ug/m3	18 Mar 2011 20:09
45	13	03171146.d	40.	1103120-014A	SAMP EPA_TO15-ug/m3	18 Mar 2011 20:50
46	14	03171147.d	16000.	1103120-015A	SAMP EPA_TO15-ug/m3	18 Mar 2011 21:31
47	15	03171148.d	16000.	1103120-015ADUP	DUP EPA_TO15-ug/m3	18 Mar 2011 22:12
48	2	03171149.d	1.	TO15 RLVS 20cc voa092310d	RLVS EPA_TO15	18 Mar 2011 22:53
49	4	03171150.d	1.	APH RLVS 20cc voa020211a	RLVS EPA_TO15	18 Mar 2011 23:34

BFB Tune Check (TO-15)

Data File : C:\HPCHEM\1\DATA\031711\03171109.D Vial: 1
Acq On : 17 Mar 2011 2:49 pm Operator: Michael Truchan
Sample : BFB 50cc voa020211c Inst : GC/MS Ins
Misc : ical EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv





Spectrum Information: Average of 17.362 to 17.372 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.9	80720	PASS
75	95	30	60	45.5	217707	PASS
95	95	100	100	100.0	478080	PASS
96	95	5	9	6.9	33093	PASS
173	174	0.00	2	0.2	848	PASS
174	95	50	120	88.5	422869	PASS
175	174	4	9	7.2	30421	PASS
176	174	93	101	98.3	415787	PASS
177	176	5	9	6.7	27747	PASS

03171109.D 031611V1.M Wed Apr 13 10:13:26 2011

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\031711\03171110.D Vial: 1
Acq On : 17 Mar 2011 3:29 pm Operator: Michael Truchan
Sample : TO15 CCV 40cc voa010711a Inst : GC/MS Ins
Misc : CCV EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	97	0.00
2	T	Propylene	0.937	1.040	-11.0	115	0.00
3	T	Dichlorodifluoromethane	3.080	3.336	-8.3	112	0.00
4	T	1,2-Dichloro-1,2,2,2-tetraf	2.266	2.408	-6.3	109	0.00
5	T	Chloromethane	1.061	1.349	-27.1	132	0.00
6	T	Vinyl chloride	1.201	1.339	-11.5	111	0.00
7	T	1,3-Butadiene	0.945	1.015	-7.4	110	0.00
8	T	Bromomethane	1.100	0.778	29.3	72	0.00
9	T	Chloroethane	0.640	0.566	11.6	91	0.00
10	T	Trichlorofluoromethane	2.939	3.143	-6.9	110	0.00
11	T	Ethanol	0.208	0.295	-41.8#	152#	-0.01
12	T	Freon113	2.361	2.619	-10.9	113	0.00
13	T	1,1-Dichloroethene	1.731	1.675	3.2	99	0.00
14	T	Acetone	1.541	1.614	-4.7	115	0.00
15	T	Carbon disulfide	3.087	3.120	-1.1	104	0.00
16	T	2-Propanol	1.109	1.369	-23.4	129	0.00
17	T	Methylene chloride	1.259	1.286	-2.1	107	0.00
18	T	tert-Butyl Methyl Ether	2.858	3.282	-14.8	127	0.00
19	T	trans-1,2-Dichloroethene	1.630	1.794	-10.1	112	0.00
20	T	n-Hexane	1.825	1.888	-3.5	107	0.00
21	T	1,1-Dichloroethane	2.005	2.378	-18.6	122	0.00
22	T	Vinyl acetate	2.051	2.240	-9.2	118	0.00
23	T	cis-1,2-Dichloroethene	1.146	1.328	-15.9	120	0.00
24	T	2-Butanone	1.589	1.777	-11.8	127	0.00
25	T	Ethyl acetate	1.982	2.122	-7.1	119	0.00
26	T	Tetrahydrofuran	1.042	1.274	-22.3	129	0.00
27	T	Chloroform	2.179	2.435	-11.7	116	0.00
28	T	1,1,1-Trichloroethane	2.251	2.526	-12.2	115	0.00
29	T	Cyclohexane	1.848	2.063	-11.6	115	0.00
30	T	Carbon tetrachloride	2.254	2.630	-16.7	119	0.00
31	T	Benzene	3.090	3.697	-19.6	130	0.00
32	T	1,2-Dichloroethane	1.244	1.449	-16.5	124	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
34	T	Heptane	0.604	0.660	-9.3	114	0.00
35	T	Trichloroethene	0.426	0.706	-65.7#	174#	0.00
36	T	1,2-Dichloropropane	0.301	0.351	-16.6	123	0.00
37	T	1,4-Dioxane	0.120	0.107	10.8	94	0.00
38	T	Bromodichloromethane	0.589	0.691	-17.3	122	0.00
39	T	cis-1,3-Dichloropropene	0.463	0.550	-18.8	125	0.00
40	T	4-Methyl-2-pentanone	0.138	0.190	-37.7#	144	0.00
41	T	Toluene	0.942	1.131	-20.1	131	0.00
42	T	trans-1,3-Dichloropropene	0.383	0.442	-15.4	122	0.00
43	T	1,1,2-Trichloroethane	0.307	0.335	-9.1	116	0.00
44	T	Tetrachloroethene	0.522	0.588	-12.6	118	0.00
45	T	2-Hexanone	0.201	0.299	-48.8#	144	0.00
46	T	Chlorodibromomethane	0.515	0.586	-13.8	119	0.00
47	T	1,2-Dibromoethane	0.447	0.457	-2.2	108	0.00
48	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
49	T	Chlorobenzene	0.879	0.934	-6.3	116	0.00
50	T	Ethylbenzene	1.453	1.675	-15.3	130	0.00
51	T	m,p-Xylene	1.125	1.221	-8.5	120	0.00
52	T	o-Xylene	1.096	1.214	-10.8	124	0.00
53	T	Styrene	0.752	0.863	-14.8	125	0.00

(#) = Out of Range
03171110.D 031611V1.M Wed Apr 13 10:13:34 2011 Page 1

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\031711\03171110.D Vial: 1
Acq On : 17 Mar 2011 3:29 pm Operator: Michael Truchan
Sample : TO15 CCV 40cc voa010711a Inst : GC/MS Ins
Misc : CCV EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	T	Bromoform	0.631	0.674	-6.8	115	0.00
55	S	4-Bromofluorobenzene	0.627	0.632	-0.8	100	0.00
56	T	1,1,2,2-Tetrachloroethane	0.621	0.281	54.8#	49#	0.00
57	T	4-Ethyltoluene	1.309	1.260	3.7	110	0.00
58	T	1,3,5-Trimethylbenzene	1.080	1.061	1.8	113	0.00
59	T	1,2,4-Trimethylbenzene	0.965	0.912	5.5	105	0.00
60	T	1,3-Dichlorobenzene	0.671	0.680	-1.3	112	0.00
61	T	1,4-Dichlorobenzene	0.642	0.660	-2.8	113	0.00
62	T	Benzyl chloride	0.420	0.236	43.8#	63	0.00
63	T	1,2-Dichlorobenzene	0.580	0.580	0.0	112	0.00
64	T	1,2,4-Trichlorobenzene	0.330	0.264	20.0	81	0.00
65	T	Hexachlorobutadiene	0.578	0.531	8.1	100	0.00
66		Naphthalene	0.402	0.305	24.1	78	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171110.D Vial: 1
Acq On : 17 Mar 2011 3:29 pm Operator: Michael Truchan
Sample : TO15 CCV 40cc voa010711a Inst : GC/MS Ins
Misc : CCV EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:05 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	740828	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2609749	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.72	117	1877157	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1186430	12.61	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 100.88%				
Target Compounds							Qvalue
2) Propylene	5.68	41	628991	11.33	ppbv		99
3) Dichlorodifluoromethane	5.75	85	1818921	9.96	ppbv		100
4) 1,2-Dichloro-1,2,2,2-tetra	6.01	135	1355601	10.09	ppbv		94
5) Chloromethane	6.17	50	759728	12.08	ppbv		99
6) Vinyl chloride	6.38	62	746105	10.48	ppbv		99
7) 1,3-Butadiene	6.44	39	589632	10.53	ppbv		99
8) Bromomethane	7.02	94	428799	6.58	ppbv		99
9) Chloroethane	7.17	64	308385	8.13	ppbv		99
10) Trichlorofluoromethane	7.51	101	1788252	10.27	ppbv		99
11) Ethanol	7.72	45	161063	13.08	ppbv		99
12) Freon113	8.17	101	1521395	10.87	ppbv		97
13) 1,1-Dichloroethene	8.27	61	982719	9.58	ppbv		96
14) Acetone	8.35	43	956340	10.47	ppbv		98
15) Carbon disulfide	8.64	76	1793537	9.80	ppbv	#	100
16) 2-Propanol	8.40	45	819631	12.47	ppbv		92
17) Methylene chloride	8.92	49	762281	10.22	ppbv		94
18) tert-Butyl Methyl Ether	9.13	73	1925753	11.37	ppbv		99
19) trans-1,2-Dichloroethene	9.21	61	1041755	10.78	ppbv		95
20) n-Hexane	9.39	57	1130391	10.45	ppbv		98
21) 1,1-Dichloroethane	9.77	63	1367078	11.50	ppbv		99
22) Vinyl acetate	9.70	43	1314422	10.81	ppbv		98
23) cis-1,2-Dichloroethene	10.45	96	771286	11.35	ppbv		96
24) 2-Butanone	10.42	43	1042845	11.07	ppbv		95
25) Ethyl acetate	10.37	43	1232676	10.49	ppbv	#	100
26) Tetrahydrofuran	10.75	42	755133	12.23	ppbv		97
27) Chloroform	10.77	83	1414203	10.95	ppbv		100
28) 1,1,1-Trichloroethane	11.03	97	1436952	10.77	ppbv		99
29) Cyclohexane	11.04	56	1198152	10.94	ppbv		97
30) Carbon tetrachloride	11.19	117	1480928	11.09	ppbv		100
31) Benzene	11.47	78	2103399	11.49	ppbv		99
32) 1,2-Dichloroethane	11.55	62	833043	11.30	ppbv		100
34) Heptane	11.52	43	1363412	10.82	ppbv		98
35) Trichloroethene	12.20	130	1415391	15.91	ppbv		98
36) 1,2-Dichloropropane	12.56	63	717990	11.43	ppbv		99
37) 1,4-Dioxane	12.63	88	213483	8.53	ppbv		99
38) Bromodichloromethane	12.84	83	1385711	11.27	ppbv		99
39) cis-1,3-Dichloropropene	13.40	75	1090261	11.28	ppbv		98
40) 4-Methyl-2-pentanone	13.51	58	396777	13.81	ppbv		98
41) Toluene	13.80	91	2313389	11.76	ppbv		100
42) trans-1,3-Dichloropropene	14.10	75	840468	10.51	ppbv		98
43) 1,1,2-Trichloroethane	14.38	97	685078	10.69	ppbv		98
44) Tetrachloroethene	14.50	166	1179094	10.82	ppbv		100
45) 2-Hexanone	14.58	43	611254	14.53	ppbv		99
46) Chlorodibromomethane	14.93	129	1198638	11.16	ppbv		99
47) 1,2-Dibromoethane	15.16	107	916139	9.81	ppbv		99
49) Chlorobenzene	15.76	112	1388833	10.52	ppbv		95
50) Ethylbenzene	15.80	91	2464669	11.29	ppbv		95

(#) = qualifier out of range (m) = manual integration
03171110.D 031611V1.M Wed Apr 13 10:13:37 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171110.D Vial: 1
Acq On : 17 Mar 2011 3:29 pm Operator: Michael Truchan
Sample : TO15 CCV 40cc voa010711a Inst : GC/MS Ins
Misc : CCV EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:05 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

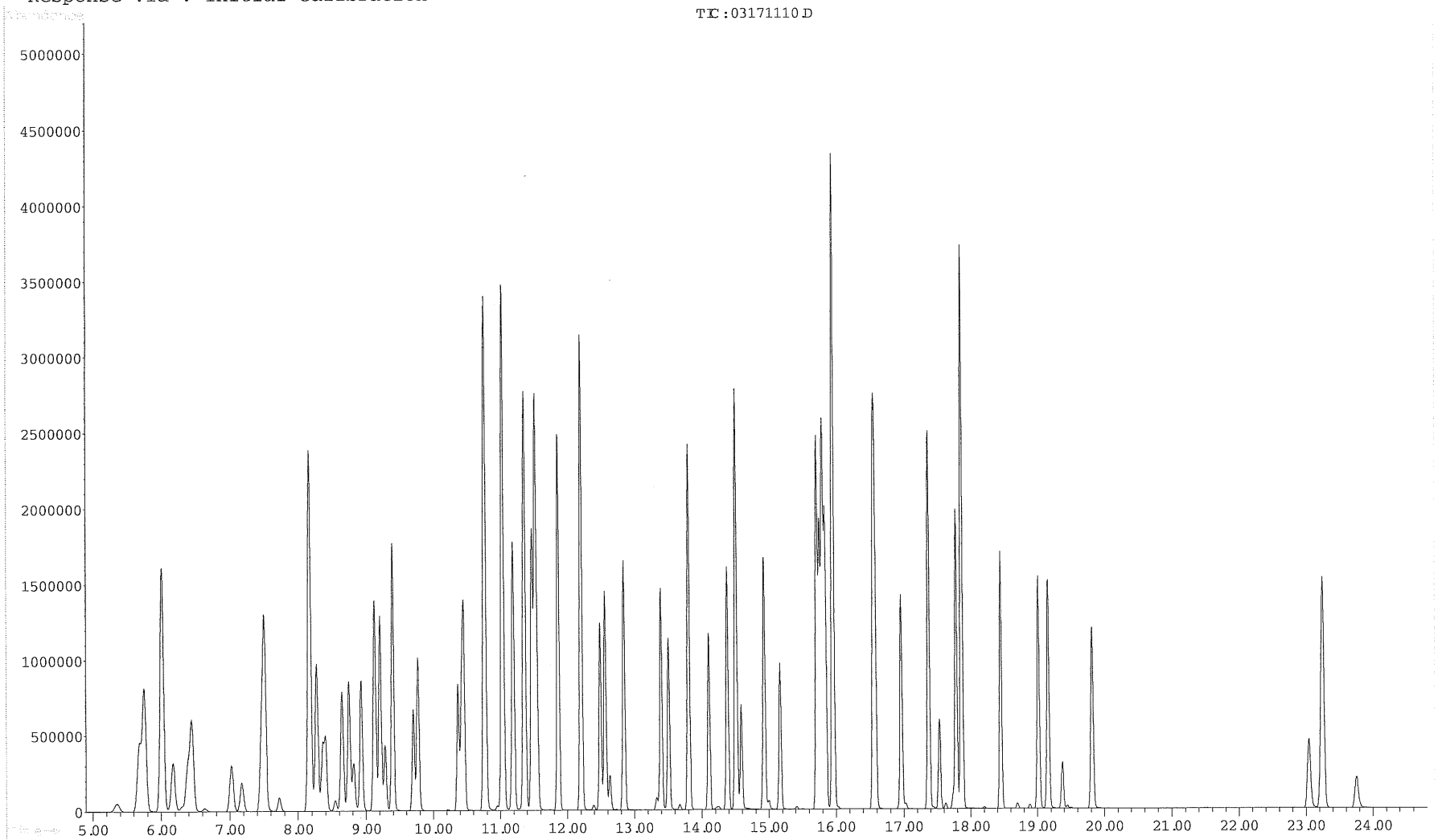
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	m,p-Xylene	15.96	91	3520806	20.84	ppbv		97
52)	o-Xylene	16.55	91	1823034	11.08	ppbv		97
53)	Styrene	16.58	104	1269529	11.24	ppbv		99
54)	Bromoform	16.96	173	971458	10.26	ppbv		99
56)	1,1,2,2-Tetrachloroethane	17.53	83	421449	4.52	ppbv		99
57)	4-Ethyltoluene	17.78	105	1854590	9.43	ppbv		98
58)	1,3,5-Trimethylbenzene	17.86	105	1546247	9.53	ppbv	#	56
59)	1,2,4-Trimethylbenzene	18.45	105	1341573	9.26	ppbv		99
60)	1,3-Dichlorobenzene	19.01	146	990743	9.83	ppbv		99
61)	1,4-Dichlorobenzene	19.16	146	951388	9.87	ppbv		99
62)	Benzyl chloride	19.37	91	344163	5.46	ppbv		99
63)	1,2-Dichlorobenzene	19.82	146	844925	9.71	ppbv		100
64)	1,2,4-Trichlorobenzene	23.04	180	360244	7.26	ppbv		98
65)	Hexachlorobutadiene	23.24	225	750165	8.64	ppbv		99
66)	Naphthalene	23.76	128	421240	6.98	ppbv		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171110.D Vial: 1
Acq On : 17 Mar 2011 3:29 pm Operator: Michael Truchan
Sample : TO15 CCV 40cc voa010711a Inst : GC/MS Ins
Misc : CCV EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:05 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171112.D Vial: 2
Acq On : 17 Mar 2011 4:59 pm Operator: Michael Truchan
Sample : TO15 RLVS 20cc voa092310d Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:05 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	756991	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2740375	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.72	117	1898605	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.36	95	1194119	12.55	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 100.40%				
Target Compounds							Qvalue
2) Propylene	5.68	41	63374	1.12	ppbv		99
3) Dichlorodifluoromethane	5.75	85	186560	1.00	ppbv		99
4) 1,2-Dichloro-1,2,2,2-tetra	6.01	135	140845	1.03	ppbv		94
5) Chloromethane	6.17	50	67590	1.05	ppbv	#	95
6) Vinyl chloride	6.38	62	77555	1.07	ppbv	#	98
7) 1,3-Butadiene	6.44	39	72805	1.27	ppbv		96
8) Bromomethane	7.02	94	67411	1.01	ppbv		98
9) Chloroethane	7.17	64	38234	0.99	ppbv		98
10) Trichlorofluoromethane	7.51	101	187798	1.06	ppbv		98
11) Ethanol	7.73	45	14477	1.15	ppbv		97
12) Freon113	8.17	101	150888	1.06	ppbv		98
13) 1,1-Dichloroethene	8.27	61	113881	1.09	ppbv		94
14) Acetone	8.35	43	125753	1.35	ppbv	#	96
15) Carbon disulfide	8.64	76	197764	1.06	ppbv	#	99
16) 2-Propanol	8.41	45	66864	1.00	ppbv	#	1
17) Methylene chloride	8.92	49	88207	1.16	ppbv		94
18) tert-Butyl Methyl Ether	9.13	73	243224	1.41	ppbv		98
19) trans-1,2-Dichloroethene	9.21	61	106688	1.08	ppbv		94
20) n-Hexane	9.39	57	139341	1.26	ppbv		96
21) 1,1-Dichloroethane	9.77	63	132281	1.09	ppbv		99
22) Vinyl acetate	9.70	43	159238	1.28	ppbv		98
23) cis-1,2-Dichloroethene	10.45	96	75420	1.09	ppbv		95
24) 2-Butanone	10.42	43	118089	1.23	ppbv		95
25) Ethyl acetate	10.37	43	140234	1.17	ppbv	#	99
26) Tetrahydrofuran	10.76	42	72515	1.15	ppbv		95
27) Chloroform	10.77	83	150564	1.14	ppbv		99
28) 1,1,1-Trichloroethane	11.03	97	147143	1.08	ppbv		99
29) Cyclohexane	11.04	56	136665	1.22	ppbv		95
30) Carbon tetrachloride	11.19	117	145305	1.06	ppbv		98
31) Benzene	11.47	78	243458	1.30	ppbv		99
32) 1,2-Dichloroethane	11.55	62	90968	1.21	ppbv		98
34) Heptane	11.52	43	166881	1.26	ppbv		94
35) Trichloroethene	12.20	130	101153	1.08	ppbv		98
36) 1,2-Dichloropropane	12.56	63	77353	1.17	ppbv		99
37) 1,4-Dioxane	12.63	88	31073	1.18	ppbv		99
38) Bromodichloromethane	12.84	83	142563	1.10	ppbv		98
39) cis-1,3-Dichloropropene	13.40	75	111511	1.10	ppbv		97
40) 4-Methyl-2-pentanone	13.50	58	29866	0.99	ppbv		99
41) Toluene	13.80	91	280476	1.36	ppbv		98
42) trans-1,3-Dichloropropene	14.10	75	90572	1.08	ppbv		97
43) 1,1,2-Trichloroethane	14.37	97	78347	1.16	ppbv		98
44) Tetrachloroethene	14.50	166	130739	1.14	ppbv		98
45) 2-Hexanone	14.59	43	47092	1.07	ppbv		94
46) Chlorodibromomethane	14.93	129	125724	1.11	ppbv		99
47) 1,2-Dibromoethane	15.16	107	114668	1.17	ppbv		99
49) Chlorobenzene	15.76	112	162330	1.22	ppbv	#	87
50) Ethylbenzene	15.80	91	306034	1.39	ppbv		93

(#) = qualifier out of range (m) = manual integration
03171112.D 031611V1.M Wed Apr 13 10:13:46 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171112.D Vial: 2
Acq On : 17 Mar 2011 4:59 pm Operator: Michael Truchan
Sample : TO15 RLVS 20cc voa092310d Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:05 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

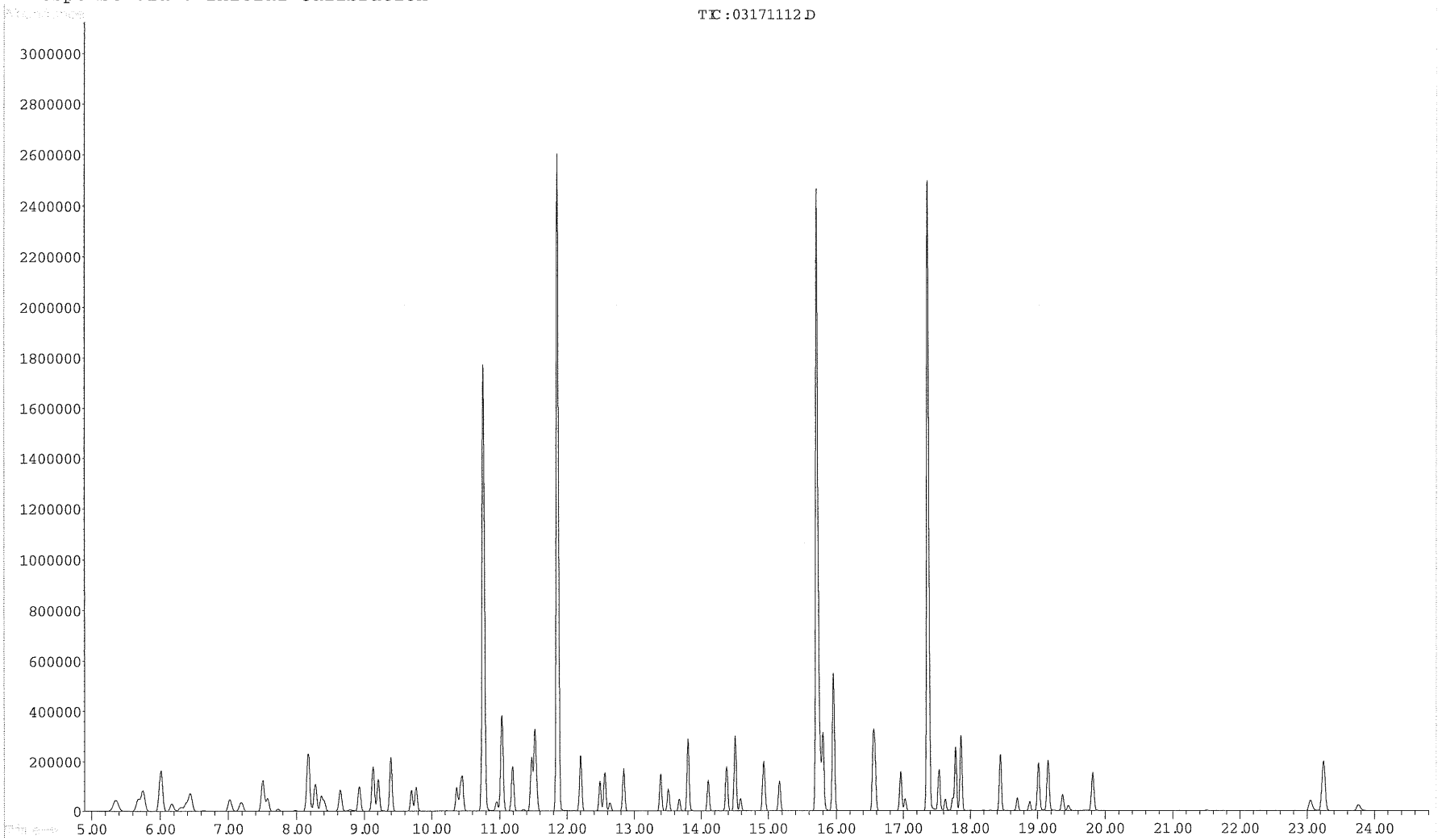
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	m,p-Xylene	15.95	91	449208	2.63	ppbv		94
52)	o-Xylene	16.55	91	232142	1.39	ppbv		96
53)	Styrene	16.58	104	134953	1.18	ppbv		96
54)	Bromoform	16.96	173	109925	1.15	ppbv		99
56)	1,1,2,2-Tetrachloroethane	17.53	83	114321	1.21	ppbv		98
57)	4-Ethyltoluene	17.78	105	281659	1.42	ppbv		99
58)	1,3,5-Trimethylbenzene	17.86	105	235426	1.44	ppbv		97
59)	1,2,4-Trimethylbenzene	18.45	105	187539	1.28	ppbv		99
60)	1,3-Dichlorobenzene	19.01	146	137531	1.35	ppbv		96
61)	1,4-Dichlorobenzene	19.16	146	128167	1.31	ppbv		97
62)	Benzyl chloride	19.37	91	82877	1.30	ppbv		99
63)	1,2-Dichlorobenzene	19.82	146	115731	1.31	ppbv		96
64)	1,2,4-Trichlorobenzene	23.05	180	44446	0.89	ppbv		96
65)	Hexachlorobutadiene	23.24	225	103871	1.18	ppbv		99
66)	Naphthalene	23.76	128	64942	1.06	ppbv	#	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171112.D Vial: 2
Acq On : 17 Mar 2011 4:59 pm Operator: Michael Truchan
Sample : TO15 RLVS 20cc voa092310d Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:05 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171115.D Vial: 1
Acq On : 17 Mar 2011 7:04 pm Operator: Michael Truchan
Sample : MBLK Inst : GC/MS Ins
Misc : MBLK EPA_TO15-ug/m3 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:05 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.76	130	685918	12.50	ppbv	0.00
33) 1,4-Difluorobenzene	11.86	114	2476925	12.50	ppbv	0.00
48) Chlorobenzene-d5	15.72	117	1721859	12.50	ppbv	0.00
System Monitoring Compounds						
55) 4-Bromofluorobenzene	17.37	95	1086126	12.59	ppbv	0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 100.72%			
Target Compounds						Qvalue
2) Propylene	5.68	41	253087	4.92	ppbv #	66
3) Dichlorodifluoromethane	5.76	85	11539	N.D.		
4) 1,2-Dichloro-1,2,2,2-tetra	6.01	135	7575	N.D.		
5) Chloromethane	6.17	50	7935	N.D.		
6) Vinyl chloride	6.39	62	4388	N.D.		
7) 1,3-Butadiene	6.43	39	30746	0.59	ppbv	85
8) Bromomethane	7.01	94	6358	N.D.		
9) Chloroethane	7.17	64	703	N.D.		
10) Trichlorofluoromethane	7.49	101	9615	N.D.		
11) Ethanol	7.74	45	17584	1.54	ppbv #	88
12) Freon113	8.15	101	9138	N.D.		
13) 1,1-Dichloroethene	8.25	61	4021	N.D.		
14) Acetone	8.37	43	449747	5.32	ppbv #	93
15) Carbon disulfide	8.63	76	43187	N.D.		
16) 2-Propanol	8.42	45	21554	N.D.		
17) Methylene chloride	8.92	49	98609	1.43	ppbv	93
18) tert-Butyl Methyl Ether	9.14	73	60296	N.D.		
19) trans-1,2-Dichloroethene	9.20	61	7245	N.D.		
20) n-Hexane	9.39	57	156368	1.56	ppbv	95
21) 1,1-Dichloroethane	9.77	63	7430	N.D.		
22) Vinyl acetate	9.70	43	6969	N.D.		
23) cis-1,2-Dichloroethene	10.45	96	4751	N.D.		
24) 2-Butanone	10.43	43	71871	0.82	ppbv #	89
25) Ethyl acetate	10.38	43	11405	N.D.		
26) Tetrahydrofuran	10.81	42	38968	0.68	ppbv #	43
27) Chloroform	10.78	83	10052	N.D.		
28) 1,1,1-Trichloroethane	11.02	97	8234	N.D.		
29) Cyclohexane	11.04	56	143514	1.42	ppbv #	75
30) Carbon tetrachloride	11.20	117	7899	N.D.		
31) Benzene	11.47	78	148089	0.87	ppbv	97
32) 1,2-Dichloroethane	11.55	62	5626	N.D.		
34) Heptane	11.52	43	199486	1.67	ppbv #	94
35) Trichloroethene	12.20	130	9423	N.D.		
36) 1,2-Dichloropropane	12.56	63	4366	N.D.		
37) 1,4-Dioxane	12.64	88	4757	N.D.		
38) Bromodichloromethane	12.84	83	9588	N.D.		
39) cis-1,3-Dichloropropene	13.39	75	4750	N.D.		
40) 4-Methyl-2-pentanone	13.51	58	11962	N.D.		
41) Toluene	13.80	91	1086427	5.82	ppbv	98
42) trans-1,3-Dichloropropene	14.11	75	3439	N.D.		
43) 1,1,2-Trichloroethane	14.38	97	5423	N.D.		
44) Tetrachloroethene	14.51	166	10754	N.D.		
45) 2-Hexanone	14.59	43	20384	0.51	ppbv	90
46) Chlorodibromomethane	14.93	129	7772	N.D.		
47) 1,2-Dibromoethane	15.16	107	7262	N.D.		
49) Chlorobenzene	15.76	112	12418	N.D.		
50) Ethylbenzene	15.80	91	110047	0.55	ppbv	95

(#) = qualifier out of range (m) = manual integration
03171115.D 031611V1.M Wed Apr 13 10:15:19 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171115.D Vial: 1
Acq On : 17 Mar 2011 7:04 pm Operator: Michael Truchan
Sample : MBLK Inst : GC/MS Ins
Misc : MBLK EPA_TO15-ug/m3 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:05 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
51) m,p-Xylene	15.96	91	161670	1.04 ppbv	94
52) o-Xylene	16.55	91	89595	0.59 ppbv #	88
53) Styrene	16.58	104	12400	N.D.	
54) Bromoform	16.96	173	7857	N.D.	
56) 1,1,2,2-Tetrachloroethane	17.53	83	11778	N.D.	
57) 4-Ethyltoluene	17.74	105	64520	N.D.	
58) 1,3,5-Trimethylbenzene	17.86	105	62932	N.D.	
59) 1,2,4-Trimethylbenzene	18.45	105	25291	N.D.	
60) 1,3-Dichlorobenzene	19.01	146	16578	N.D.	
61) 1,4-Dichlorobenzene	19.15	146	16123	N.D.	
62) Benzyl chloride	19.37	91	4484	N.D.	
63) 1,2-Dichlorobenzene	19.82	146	15978	N.D.	
64) 1,2,4-Trichlorobenzene	23.04	180	9527	N.D.	
65) Hexachlorobutadiene	23.24	225	18649	N.D.	
66) Naphthalene	23.74	128	56264	1.02 ppbv #	95

(#) = qualifier out of range (m) = manual integration

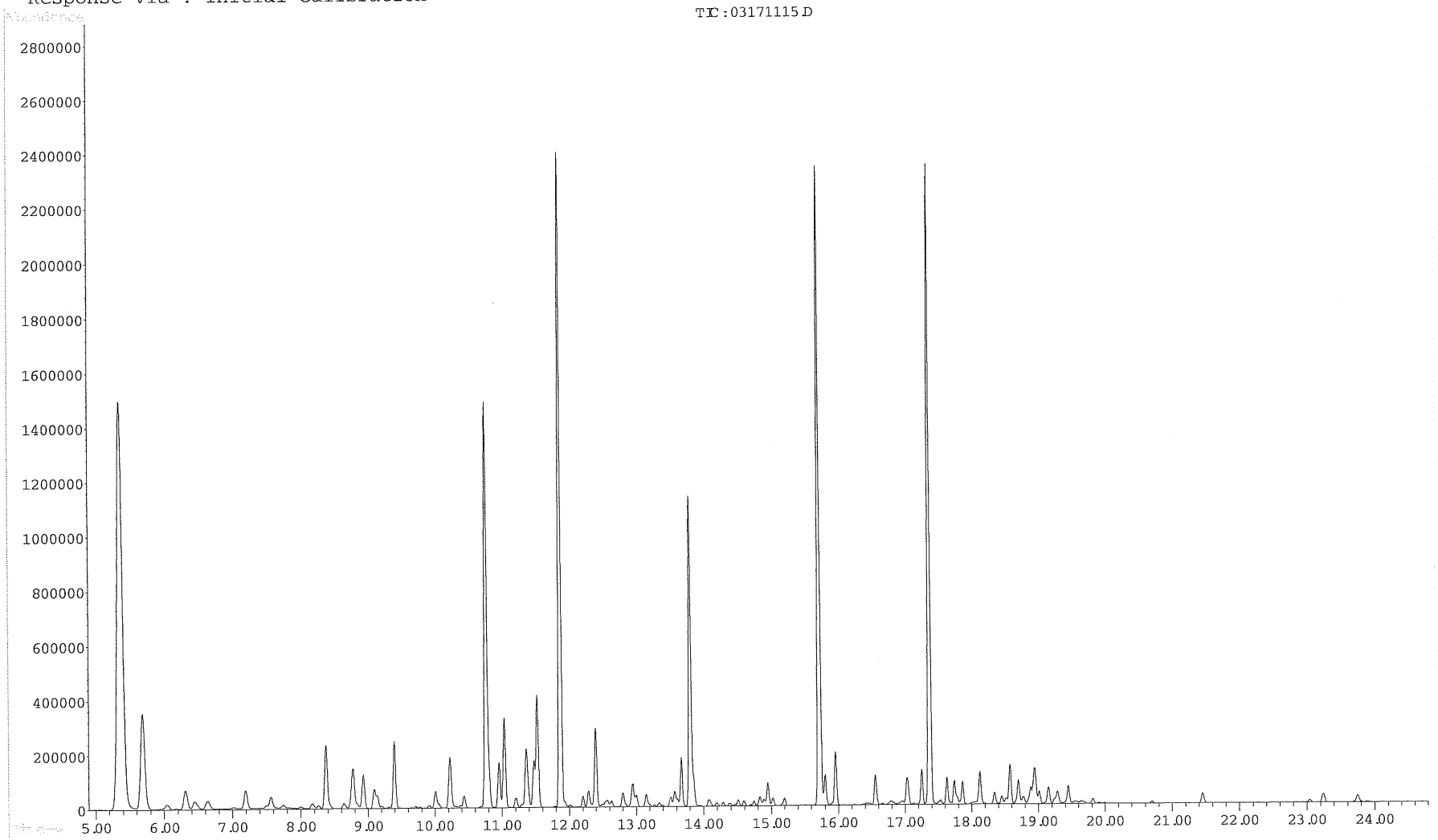
Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171115.D
Acq On : 17 Mar 2011 7:04 pm
Sample : MBLK
Misc : MBLK EPA_TO15-ug/m3
MS Integration Params: CLME.P
Quant Time: Mar 22 11:05 2011

Vial: 1
Operator: Michael Truchan
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171116.D Vial: 3
Acq On : 17 Mar 2011 7:47 pm Operator: Michael Truchan
Sample : 1103120-001A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 2.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:10 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

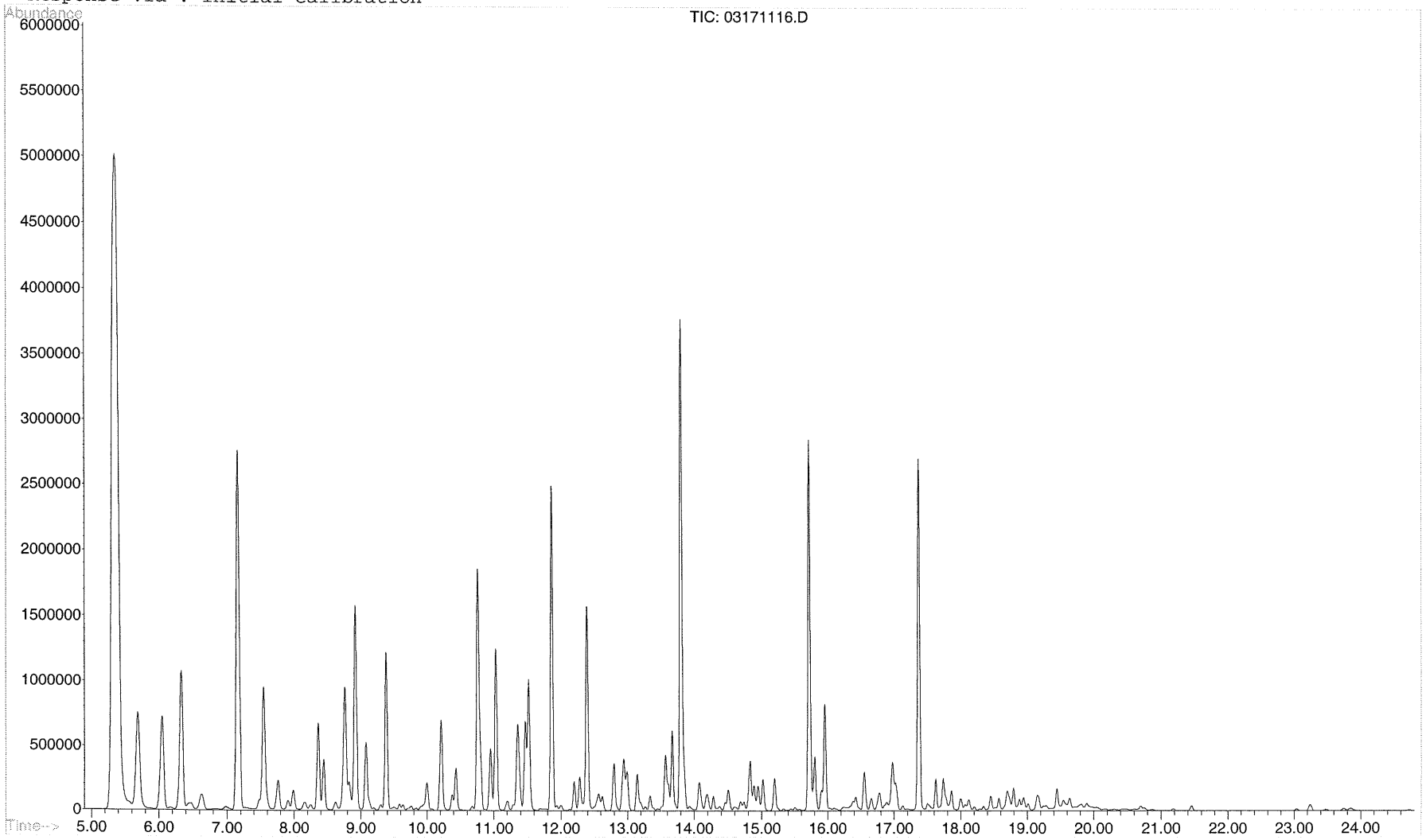
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	659327	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2534146	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.72	117	1876269	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1274801	13.56	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 108.48%				
Target Compounds							Qvalue
2) Propylene	5.68	41	81794	1.65	ppbv	#	71
5) Chloromethane	6.17	50	29505	0.53	ppbv	#	91
7) 1,3-Butadiene	6.44	39	46447	0.93	ppbv	#	64
11) Ethanol	7.77	45	217793	19.87	ppbv		95
14) Acetone	8.36	43	1159822	14.27	ppbv	#	89
15) Carbon disulfide	8.62	76	134503	0.83	ppbv	#	99
16) 2-Propanol	8.44	45	653375	11.17	ppbv	#	10
17) Methylene chloride	8.92	49	1033517	15.56	ppbv		94
20) n-Hexane	9.38	57	773165	8.03	ppbv		98
24) 2-Butanone	10.43	43	501225	5.98	ppbv	#	91
25) Ethyl acetate	10.37	43	165891	1.59	ppbv	#	99
29) Cyclohexane	11.03	56	557408	5.72	ppbv	#	77
31) Benzene	11.47	78	617648	3.79	ppbv		97
34) Heptane	11.51	43	442290	3.61	ppbv	#	93
35) Trichloroethene	12.20	130	46560	0.54	ppbv		96
41) Toluene	13.81	91	3526783	18.47	ppbv		99
44) Tetrachloroethene	14.51	166	63248	0.60	ppbv		99
50) Ethylbenzene	15.80	91	386179	1.77	ppbv		94
51) m,p-Xylene	15.95	91	611251	3.62	ppbv		93
52) o-Xylene	16.55	91	226787	1.38	ppbv	#	90
57) 4-Ethyltoluene	17.73	105	122152	0.62	ppbv		99
58) 1,3,5-Trimethylbenzene	17.86	105	99226	0.61	ppbv		96
59) 1,2,4-Trimethylbenzene	18.44	105	80717	0.56	ppbv		97
66) Naphthalene	23.75	128	39766	0.66	ppbv	#	96

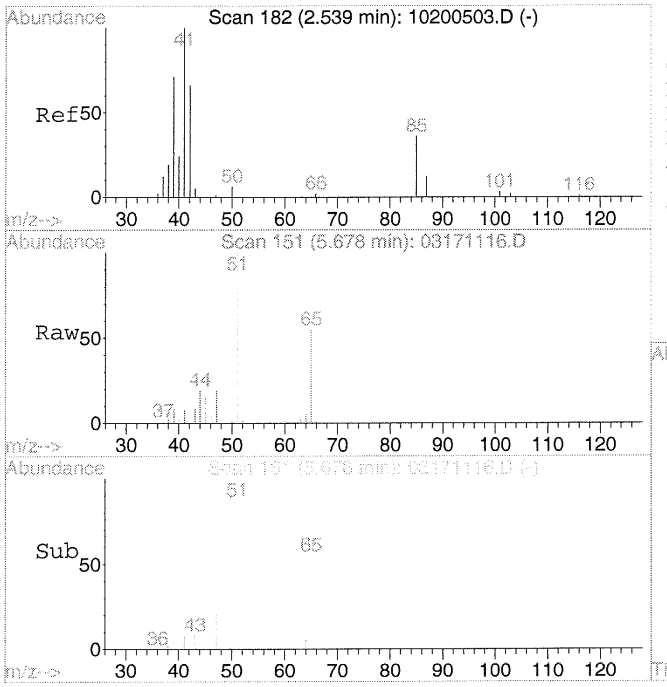
(#) = qualifier out of range (m) = manual integration
03171116.D 031611V1.M Wed Apr 13 15:41:16 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171116.D Vial: 3
Acq On : 17 Mar 2011 7:47 pm Operator: Michael Truchan
Sample : 1103120-001A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 2.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:10 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

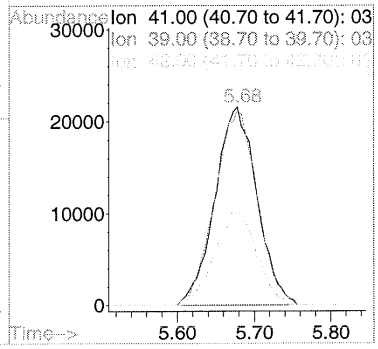


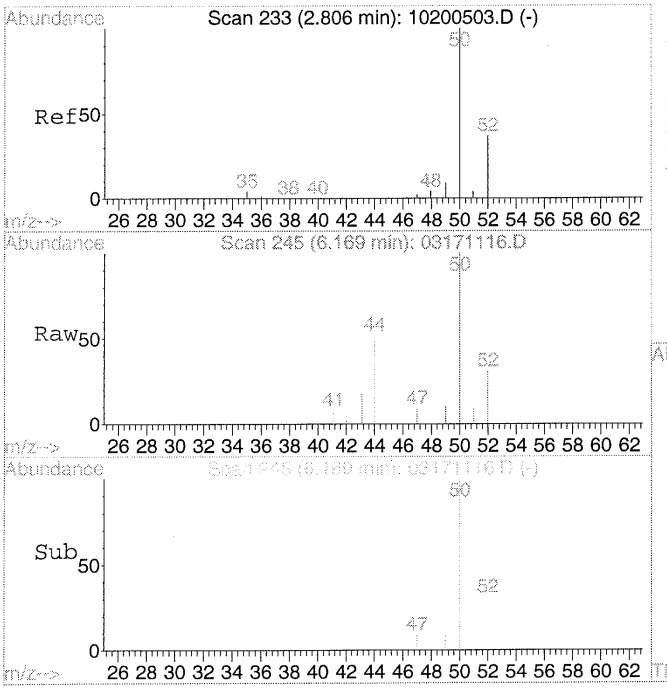


#2
Propylene
Concen: 1.65 ppbv
RT: 5.68 min Scan# 151
Delta R.T. -0.00 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 41 Resp: 81794

Ion	Ratio	Lower	Upper
41	100		
39	100.2	57.6	86.4#
42	47.8	54.0	81.0#

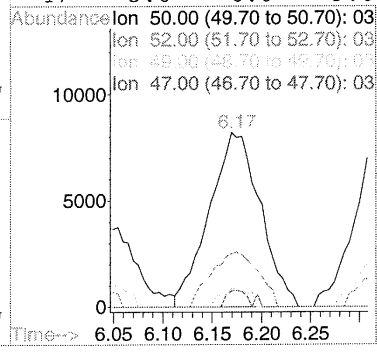


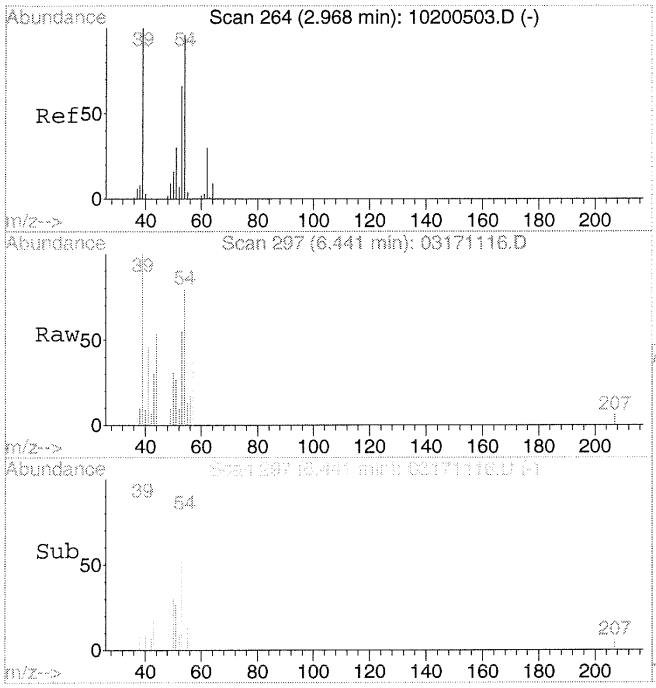


#5
Chloromethane
Concen: 0.53 ppbv
RT: 6.17 min Scan# 245
Delta R.T. -0.00 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 50 Resp: 29505

Ion	Ratio	Lower	Upper
50	100		
52	29.1	26.7	40.1
49	5.7	8.1	12.1#
47	3.6	6.0	9.0#

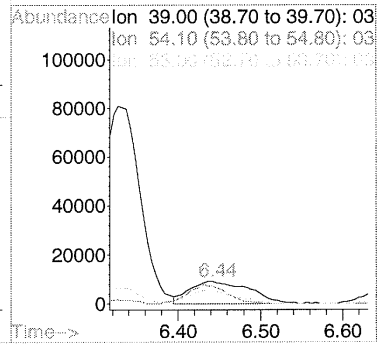


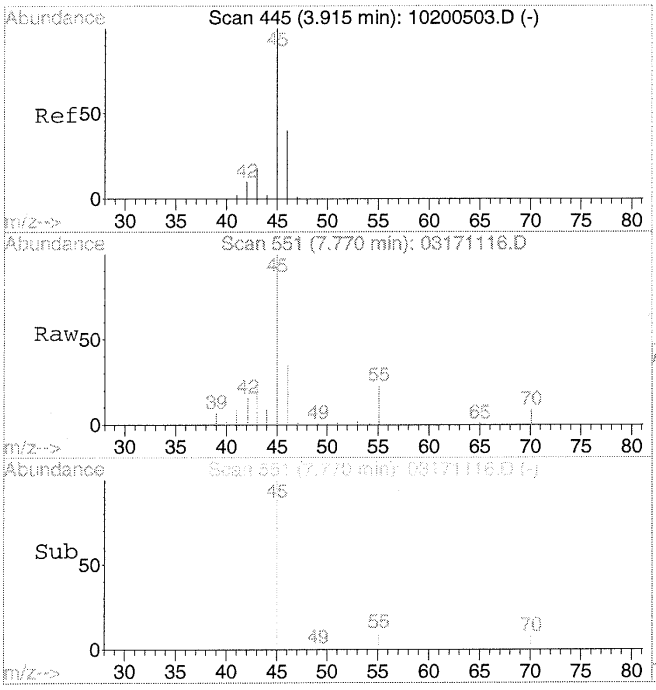


#7
1,3-Butadiene
Concen: 0.93 ppbv
RT: 6.44 min Scan# 297
Delta R.T. 0.00 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 39 Resp: 46447

Ion	Ratio	Lower	Upper
39	100		
54	55.6	79.4	119.0#
53	47.2	53.2	79.8#

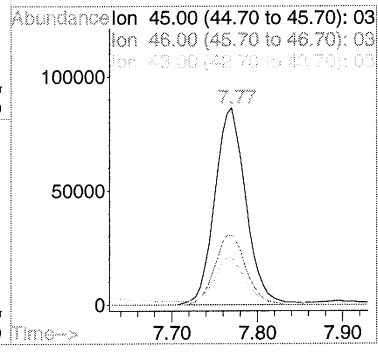


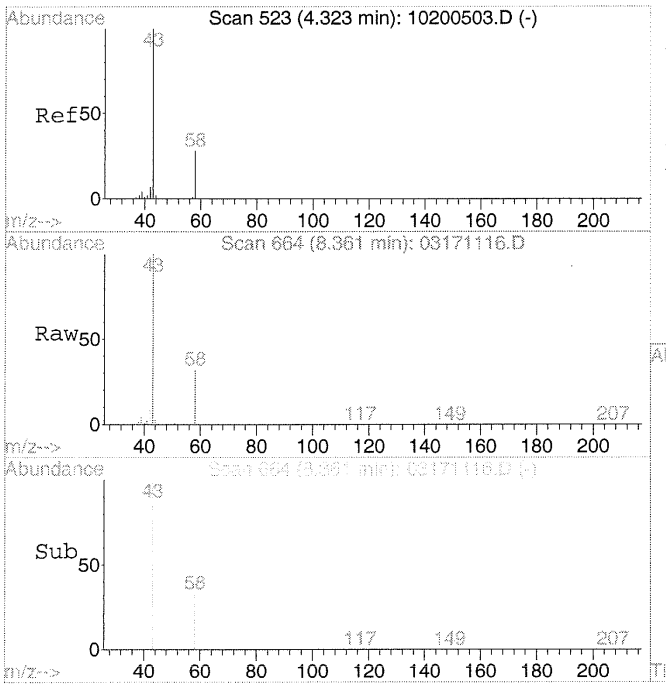


#11
Ethanol
Concen: 19.87 ppbv
RT: 7.77 min Scan# 551
Delta R.T. 0.04 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 45 Resp: 217793

Ion	Ratio	Lower	Upper
45	100		
46	35.5	30.2	45.4
43	23.3	15.8	23.6

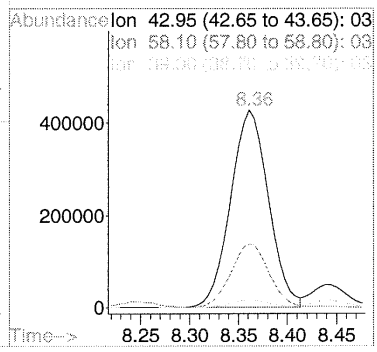


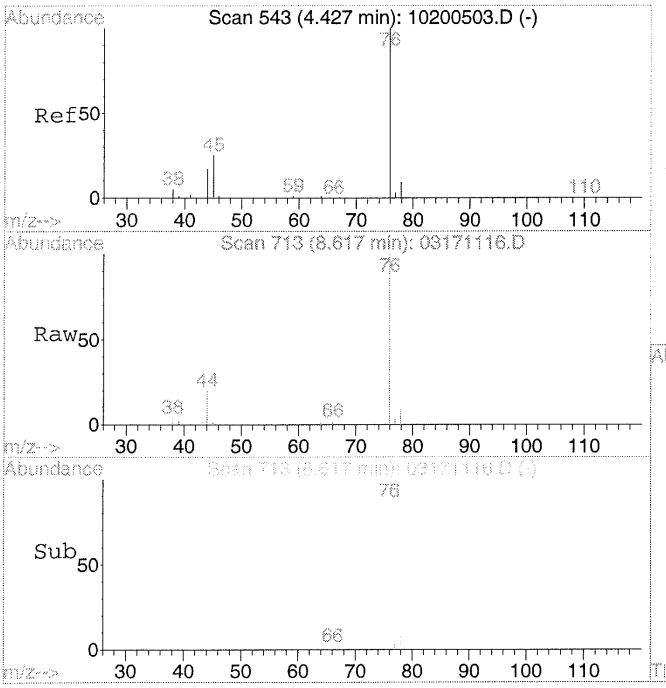


#14
Acetone
Concen: 14.27 ppbv
RT: 8.36 min Scan# 664
Delta R.T. 0.00 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 43 Resp: 1159822

Ion	Ratio	Lower	Upper
43	100		
58	33.0	22.0	33.0
39	4.0	6.5	9.7#

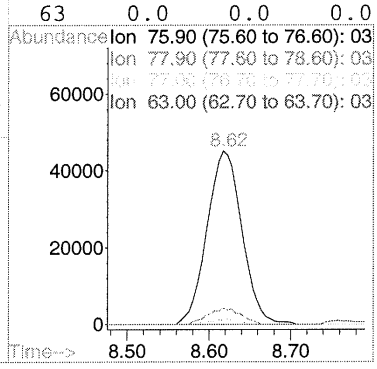


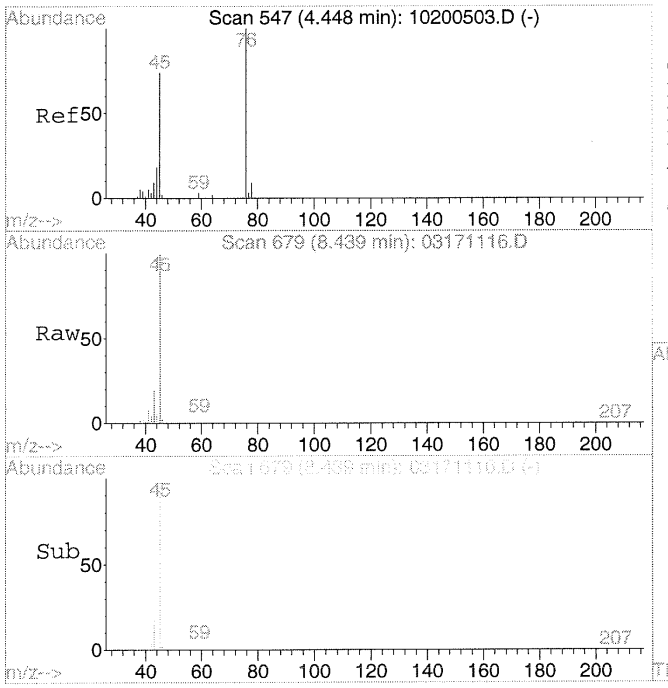


#15
Carbon disulfide
Concen: 0.83 ppbv
RT: 8.62 min Scan# 713
Delta R.T. -0.02 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 76 Resp: 134503

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.5	11.3
77	2.3	2.2	3.2
63	0.0	0.0	0.0

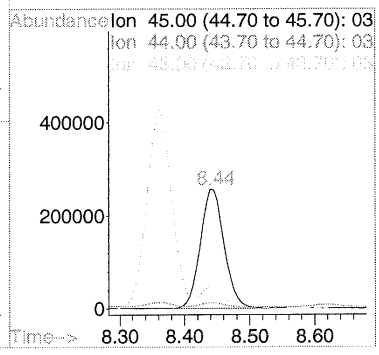


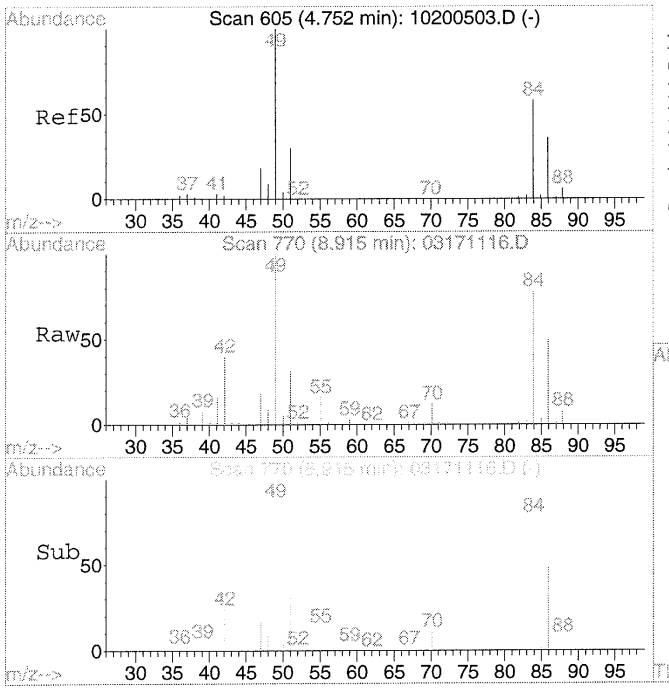


#16
2-Propanol
Concen: 11.17 ppbv
RT: 8.44 min Scan# 679
Delta R.T. 0.04 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 45 Resp: 653375

Ion	Ratio	Lower	Upper
45	100		
44	4.0	5.2	7.8#
43	18.9	101.1	151.7#

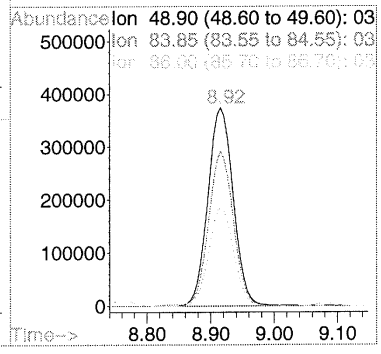


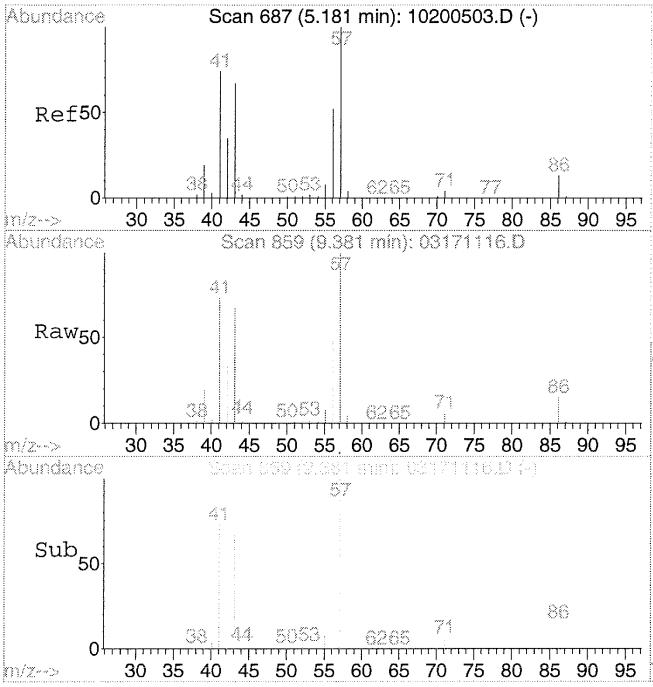


#17
Methylene chloride
Concen: 15.56 ppbv
RT: 8.92 min Scan# 770
Delta R.T. -0.01 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 49 Resp: 1033517

Ion	Ratio	Lower	Upper
49	100		
84	76.7	65.4	98.2
86	49.0	42.3	63.5

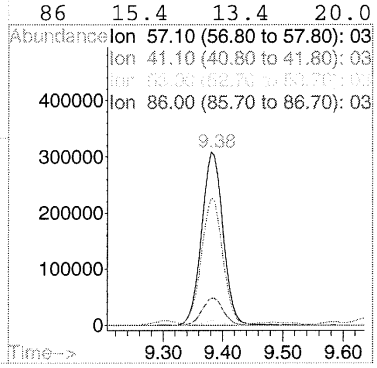


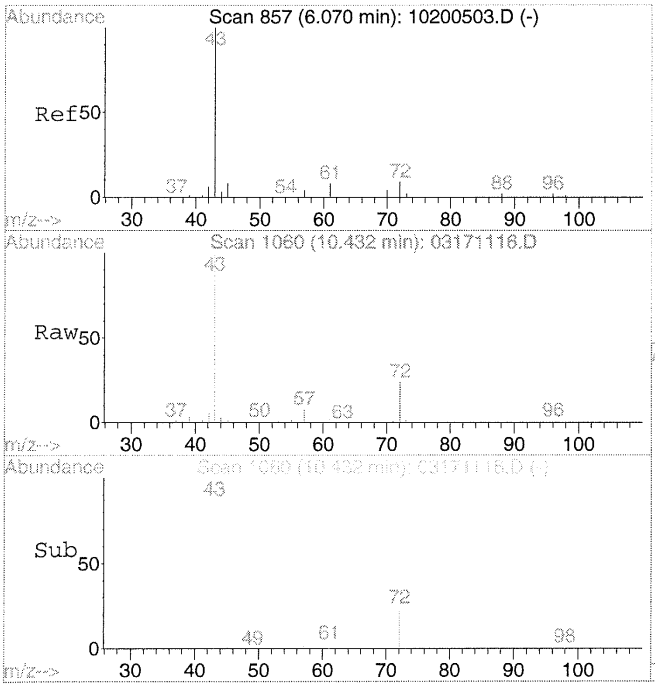


#20
n-Hexane
Concen: 8.03 ppbv
RT: 9.38 min Scan# 859
Delta R.T. -0.01 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 57 Resp: 773165

Ion	Ratio	Lower	Upper
57	100		
41	72.6	57.2	85.8
53	2.4	1.8	2.8
86	15.4	13.4	20.0

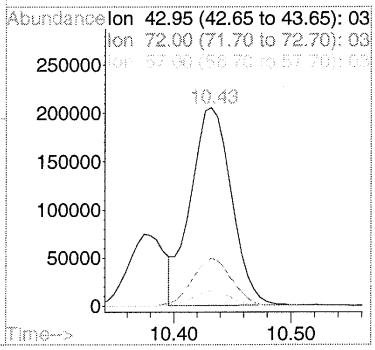


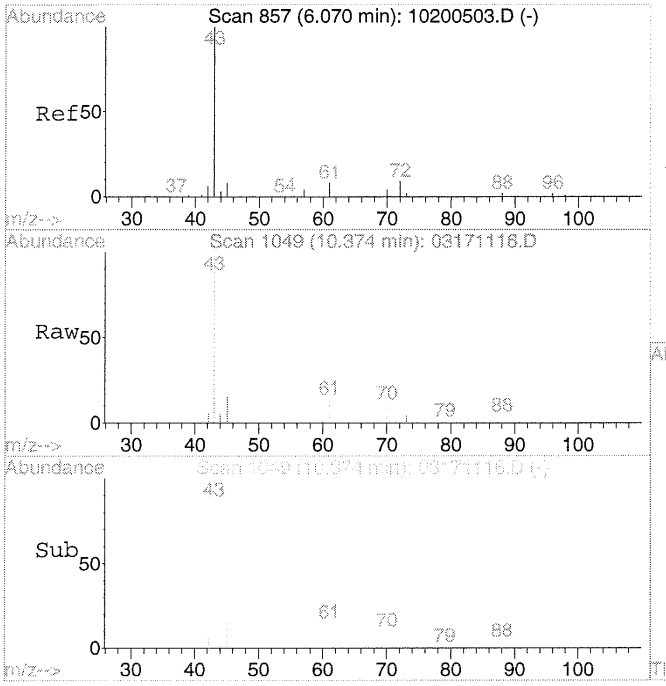


#24
2-Butanone
Concen: 5.98 ppbv
RT: 10.43 min Scan# 1060
Delta R.T. 0.01 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 43 Resp: 501225

Ion	Ratio	Lower	Upper
43	100		
72	23.4	23.4	35.2#
57	7.5	6.9	10.3

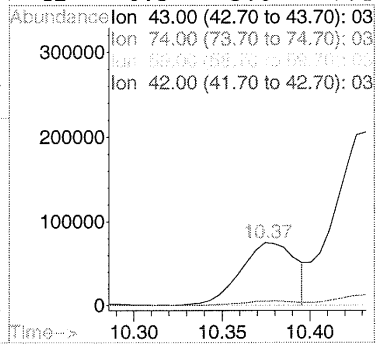


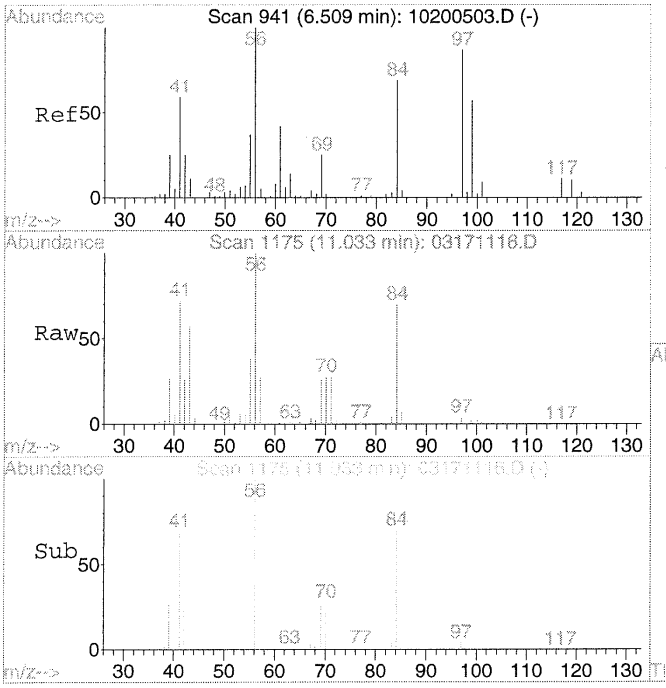


#25
Ethyl acetate
Concen: 1.59 ppbv
RT: 10.37 min Scan# 1049
Delta R.T. 0.01 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 43 Resp: 165891

Ion	Ratio	Lower	Upper
43	100		
74	0.0	0.2	0.2#
59	0.0	0.0	0.0
42	6.5	5.0	7.4

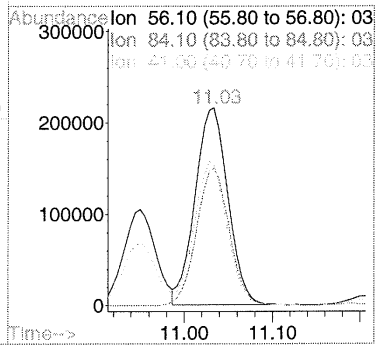


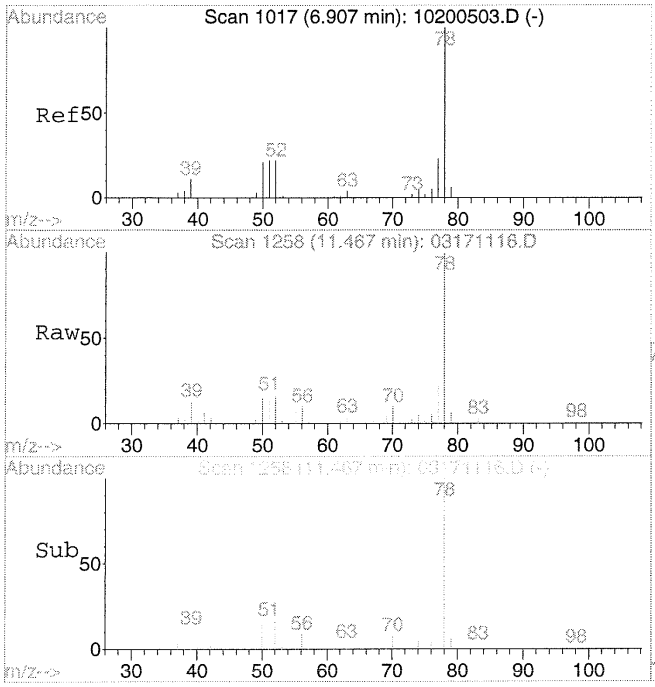


#29
Cyclohexane
Concen: 5.72 ppbv
RT: 11.03 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 56 Resp: 557408

Ion	Ratio	Lower	Upper
56	100		
84	69.3	72.4	108.6#
41	71.8	43.8	65.8#

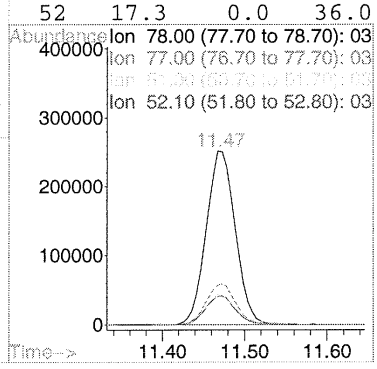


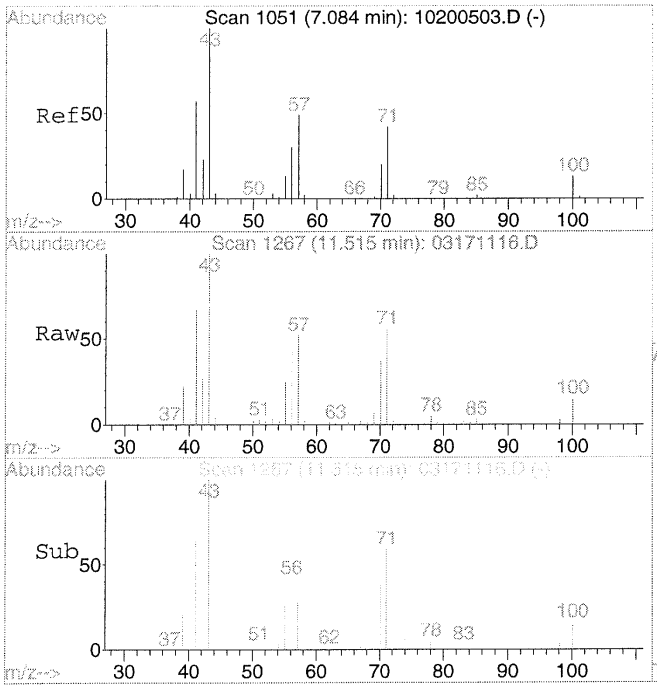


#31
Benzene
Concen: 3.79 ppbv
RT: 11.47 min Scan# 1258
Delta R.T. -0.00 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 78 Resp: 617648

Ion	Ratio	Lower	Upper
78	100		
77	24.2	3.7	43.7
51	19.3	0.0	36.1
52	17.3	0.0	36.0

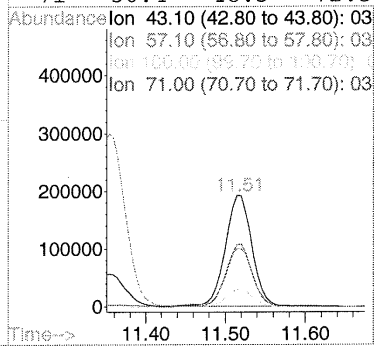


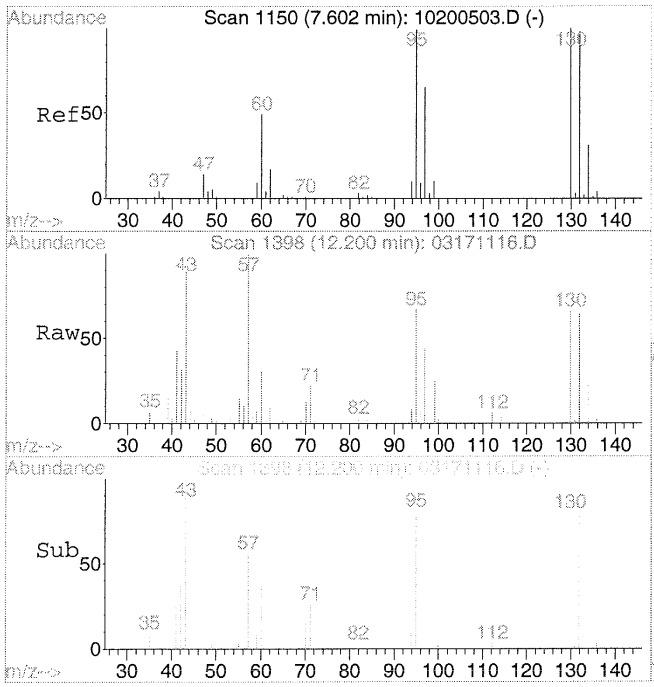


#34
Heptane
Concen: 3.61 ppbv
RT: 11.51 min Scan# 1267
Delta R.T. -0.01 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 43 Resp: 442290

Ion	Ratio	Lower	Upper
43	100		
57	56.6	42.2	63.4
100	15.6	17.3	25.9#
71	56.4	48.3	72.5

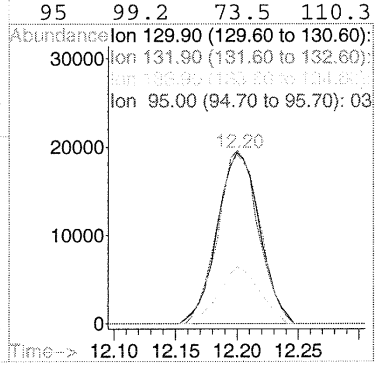


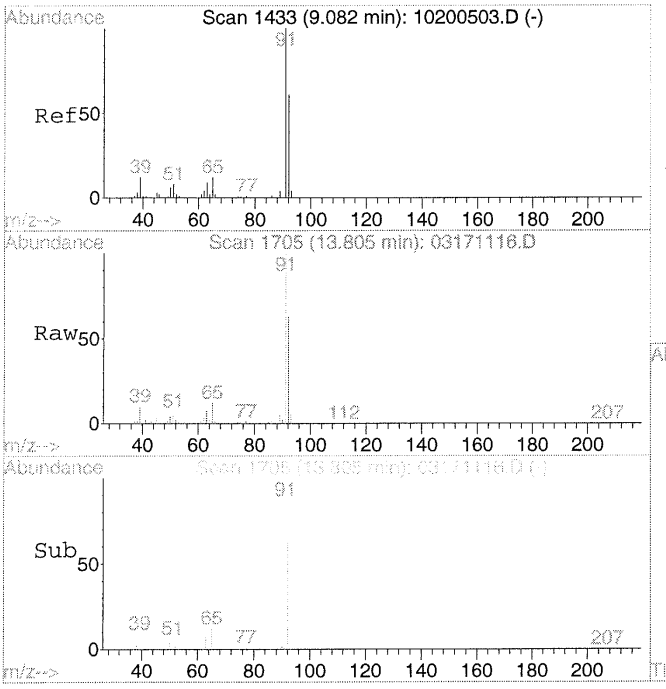


#35
Trichloroethene
Concen: 0.54 ppbv
RT: 12.20 min Scan# 1398
Delta R.T. -0.00 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion:130 Resp: 46560

Ion	Ratio	Lower	Upper
130	100		
132	98.8	77.9	116.9
134	31.5	25.4	38.0
95	99.2	73.5	110.3

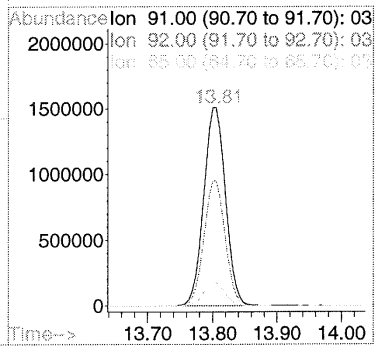


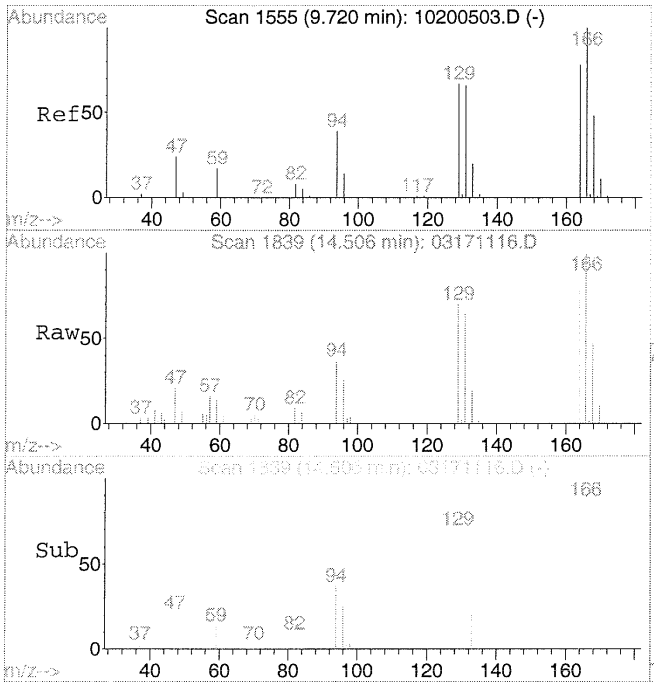


#41
Toluene
Concen: 18.47 ppbv
RT: 13.81 min Scan# 1705
Delta R.T. 0.00 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 91 Resp: 3526783

Ion	Ratio	Lower	Upper
91	100		
92	61.5	40.5	80.5
65	11.7	0.0	31.2

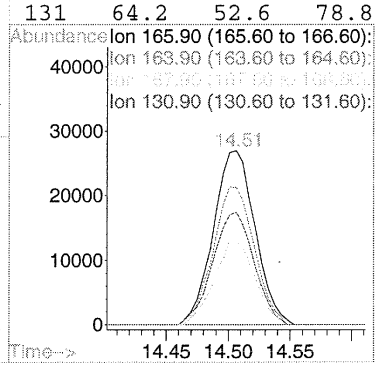


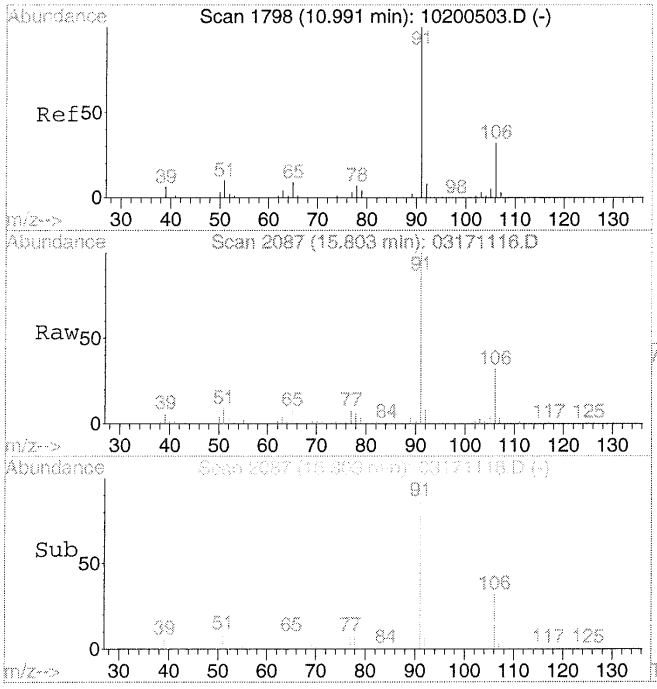


#44
Tetrachloroethene
Concen: 0.60 ppbv
RT: 14.51 min Scan# 1839
Delta R.T. 0.00 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion:166 Resp: 63248

Ion	Ratio	Lower	Upper
166	100		
164	78.3	62.4	93.6
168	47.4	39.2	58.8
131	64.2	52.6	78.8

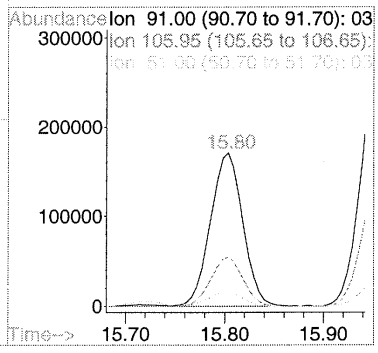


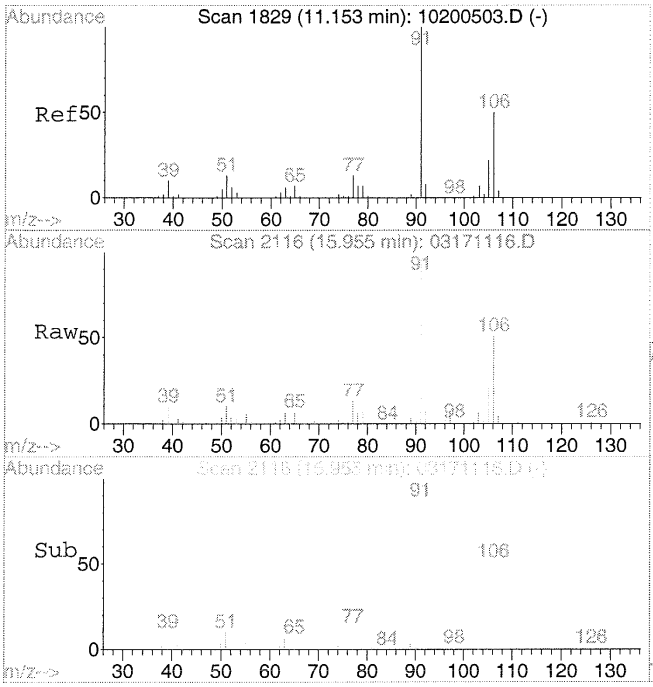


#50
Ethylbenzene
Concen: 1.77 ppbv
RT: 15.80 min Scan# 2087
Delta R.T. 0.00 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 91 Resp: 386179

Ion	Ratio	Lower	Upper
91	100		
106	31.7	14.9	54.9
51	10.1	0.0	33.1

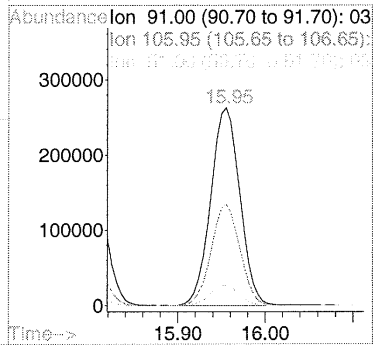


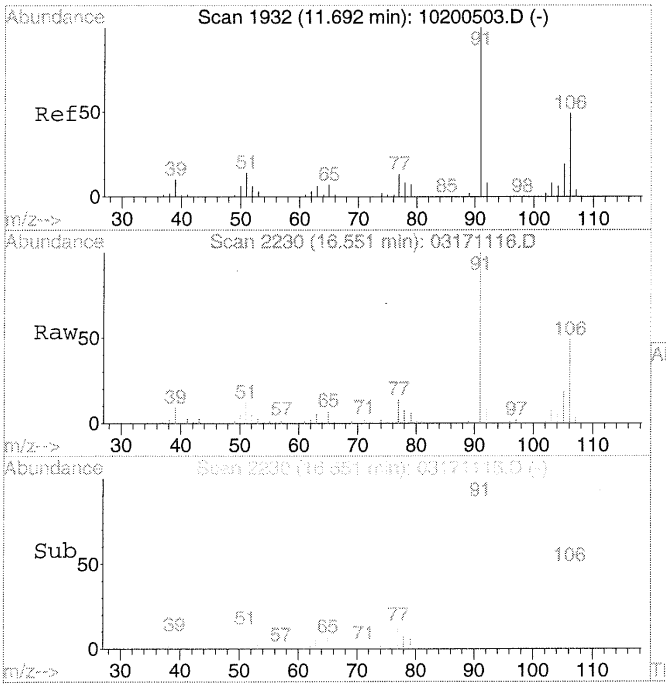


#51
m,p-Xylene
Concen: 3.62 ppbv
RT: 15.95 min Scan# 2116
Delta R.T. -0.00 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 91 Resp: 611251

Ion	Ratio	Lower	Upper
91	100		
106	50.2	35.6	75.6
51	10.4	0.0	29.6

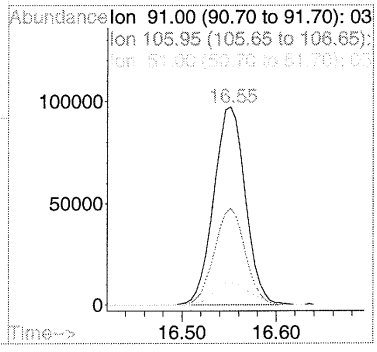


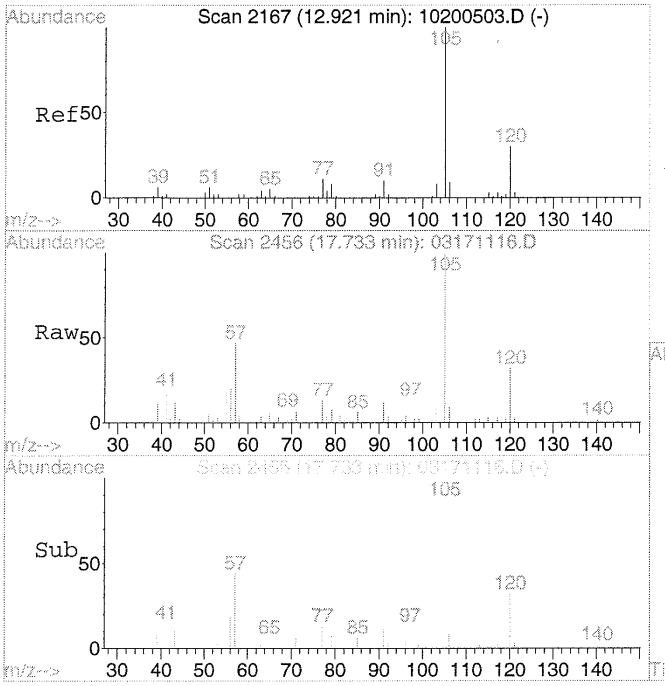


#52
o-Xylene
Concen: 1.38 ppbv
RT: 16.55 min Scan# 2230
Delta R.T. 0.00 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion: 91 Resp: 226787

Ion	Ratio	Lower	Upper
91	100		
106	48.0	41.0	61.6
51	13.5	19.7	29.5#

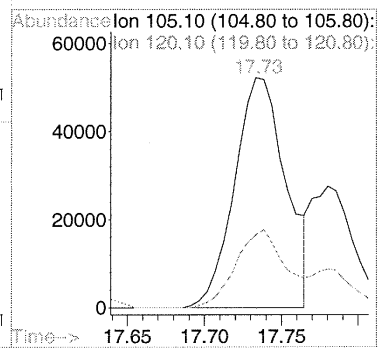


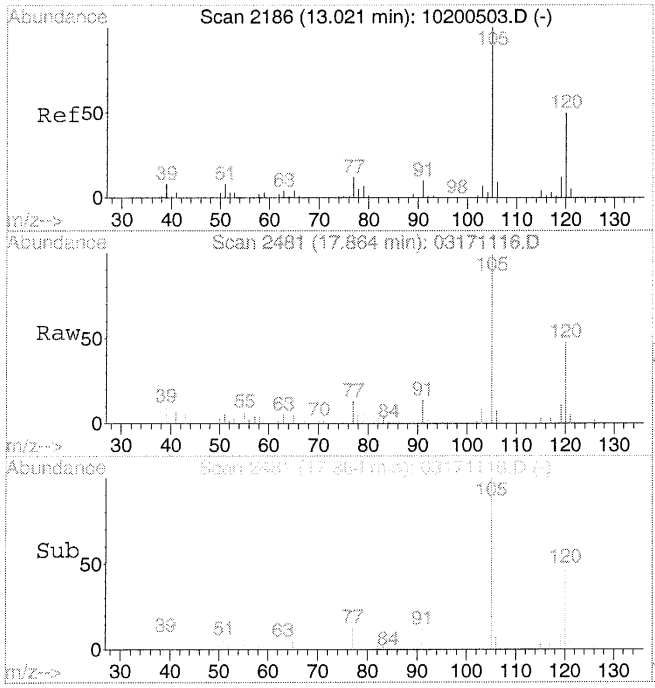


#57
4-Ethyltoluene
Concen: 0.62 ppbv
RT: 17.73 min Scan# 2456
Delta R.T. -0.05 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion:105 Resp: 122152

Ion	Ratio	Lower	Upper
105	100		
120	32.8	26.0	39.0

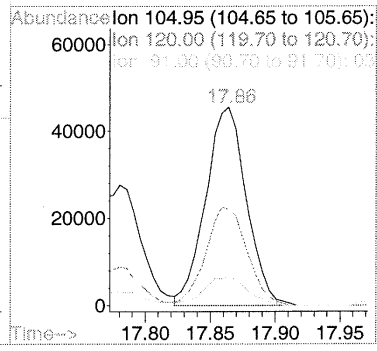


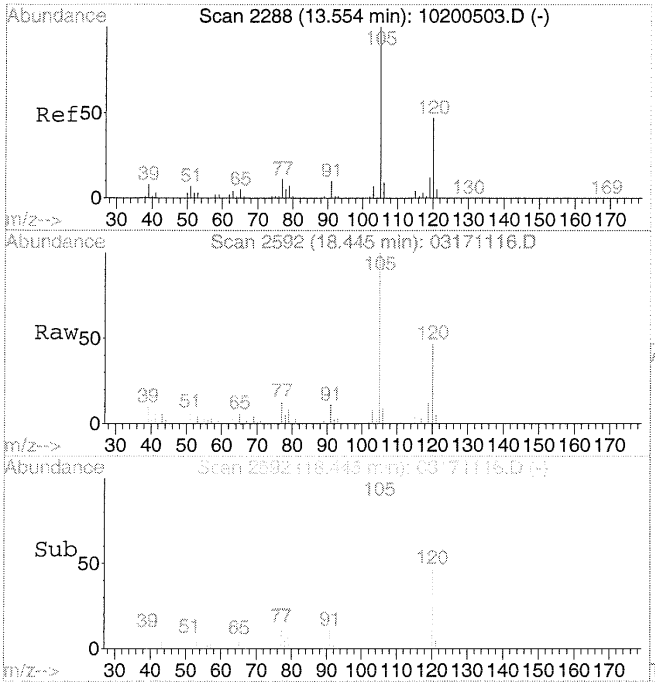


#58
1,3,5-Trimethylbenzene
Concen: 0.61 ppbv
RT: 17.86 min Scan# 2481
Delta R.T. 0.00 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion:105 Resp: 99226

Ion	Ratio	Lower	Upper
105	100		
120	50.6	32.1	72.1
91	15.7	0.0	30.4

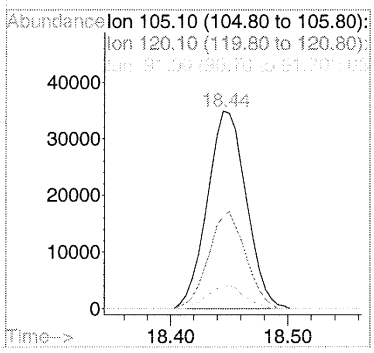


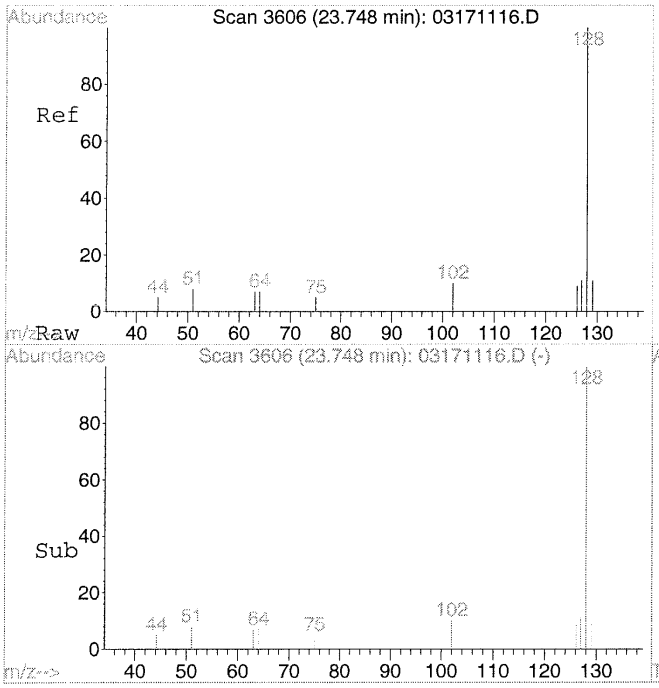


#59
1,2,4-Trimethylbenzene
Concen: 0.56 ppbv
RT: 18.44 min Scan# 2592
Delta R.T. -0.00 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion:105 Resp: 80717

Ion	Ratio	Lower	Upper
105	100		
120	46.6	38.9	58.3
91	11.3	8.2	12.2

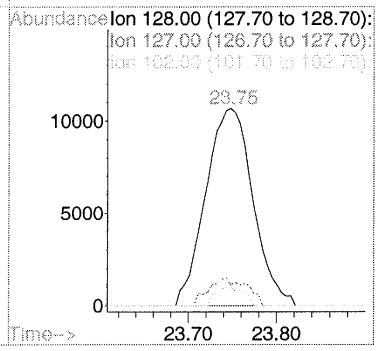




#66
Naphthalene
Concen: 0.66 ppbv
RT: 23.75 min Scan# 3606
Delta R.T. -0.00 min
Lab File: 03171116.D
Acq: 17 Mar 2011 7:47 pm

Tgt Ion:128 Resp: 39766

Ion	Ratio	Lower	Upper
128	100		
127	11.4	9.8	14.6
102	5.7	6.3	9.5#



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\031711\03171116.D Vial: 3
Acq On : 17 Mar 2011 7:47 pm Operator: Michael Truchan
Sample : 1103120-001A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 2.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.353	60	89	136	rBV	5013288	34366531	100.00%	23.962%
2	5.688	138	153	179	rVB	745292	3131526	9.11%	2.183%
3	6.049	203	222	237	rBV	719348	2593004	7.55%	1.808%
4	6.332	258	276	290	rBV	1070112	3578176	10.41%	2.495%
5	6.630	317	333	352	rVB5	118101	503328	1.46%	0.351%
6	7.158	418	434	451	rBV	2758604	9017809	26.24%	6.288%
7	7.545	497	508	532	rVV	942590	3064846	8.92%	2.137%
8	7.759	536	549	563	rVB3	222126	695057	2.02%	0.485%
9	7.989	585	593	608	rVB	147888	420101	1.22%	0.293%
10	8.361	652	664	672	rBV	667156	1789730	5.21%	1.248%
11	8.439	672	679	697	rVB	391152	1009243	2.94%	0.704%
12	8.758	723	740	749	rBV	938350	3042762	8.85%	2.122%
13	8.915	760	770	789	rVB	1572107	4418403	12.86%	3.081%
14	9.077	789	801	819	rBV2	517399	1532592	4.46%	1.069%
15	9.381	849	859	872	rVB	1211762	2987553	8.69%	2.083%
16	9.998	969	977	987	rVB2	205223	546505	1.59%	0.381%
17	10.212	1005	1018	1037	rBV2	700223	1946897	5.67%	1.357%
18	10.432	1054	1060	1074	rVB	324340	791370	2.30%	0.552%
19	10.761	1112	1123	1142	rVB4	1851236	5485873	15.96%	3.825%
20	10.950	1147	1159	1166	rVV	476891	1239130	3.61%	0.864%
21	11.028	1166	1174	1188	rVB2	1243275	3158287	9.19%	2.202%
22	11.358	1227	1237	1249	rVV	663072	2073652	6.03%	1.446%
23	11.467	1249	1258	1262	rVV	686070	1639247	4.77%	1.143%
24	11.520	1263	1268	1282	rVB2	1010024	2377034	6.92%	1.657%
25	11.860	1322	1333	1344	rBV	2484441	5682300	16.53%	3.962%
26	12.200	1388	1398	1405	rBV3	218742	501016	1.46%	0.349%
27	12.283	1405	1414	1424	rVV4	254968	699525	2.04%	0.488%
28	12.388	1424	1434	1449	rVV	1571521	3985393	11.60%	2.779%
29	12.566	1450	1468	1474	rVV9	129486	514700	1.50%	0.359%
30	12.796	1499	1512	1526	rBV	364932	981660	2.86%	0.684%
31	12.942	1526	1540	1545	rBV2	396234	1162808	3.38%	0.811%
32	13.146	1568	1579	1596	rBV	278735	853505	2.48%	0.595%
33	13.570	1651	1660	1673	rBV	398220	1313224	3.82%	0.916%
34	13.669	1673	1679	1693	rVB	601390	1339247	3.90%	0.934%
35	13.805	1693	1705	1723	rVB	3754598	9498592	27.64%	6.623%
36	14.077	1742	1757	1768	rBV4	213069	630967	1.84%	0.440%
37	14.187	1769	1778	1789	rVV5	121071	407239	1.18%	0.284%
38	14.506	1833	1839	1850	rVV2	155917	417888	1.22%	0.291%
39	14.830	1889	1901	1907	rVV	383741	1056016	3.07%	0.736%
40	14.883	1907	1911	1917	rVV	191315	452857	1.32%	0.316%
41	14.946	1917	1923	1930	rVV3	190447	484463	1.41%	0.338%
42	15.019	1930	1937	1953	rVB3	241667	618366	1.80%	0.431%
43	15.197	1958	1971	1989	rVB2	248398	644716	1.88%	0.450%

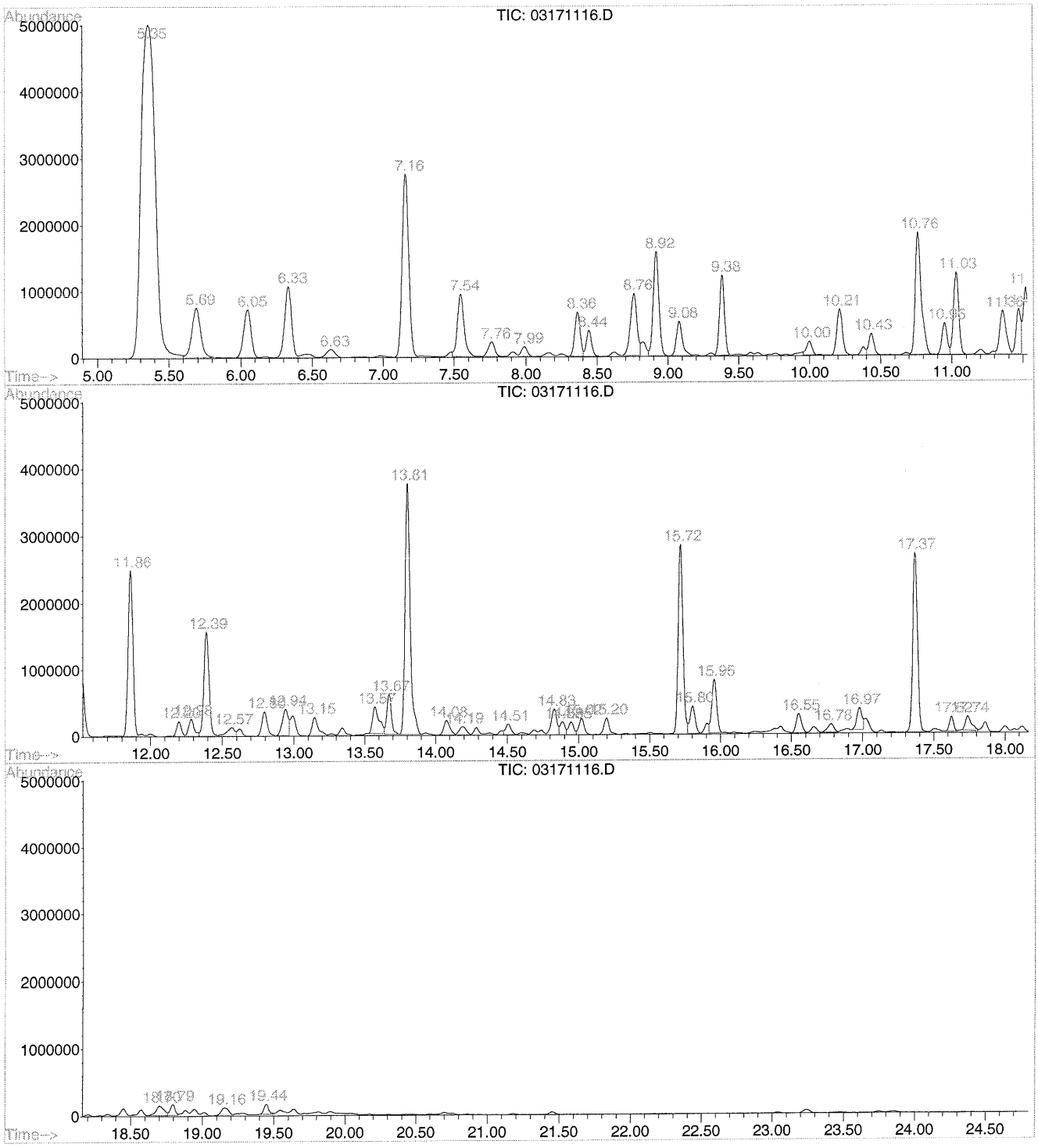
44	15.720	2054	2071	2080	rBV	2844816	6668032	19.40%	4.649%
45	15.803	2080	2087	2098	rVV	409023	1037254	3.02%	0.723%
46	15.955	2109	2116	2127	rVB	805037	1935081	5.63%	1.349%
47	16.551	2220	2230	2241	rBV2	289664	730199	2.12%	0.509%
48	16.776	2260	2273	2283	rBV5	129997	422301	1.23%	0.294%
49	16.975	2301	2311	2317	rBV3	331027	883030	2.57%	0.616%
50	17.367	2370	2386	2405	rBV	2695362	6260438	18.22%	4.365%
51	17.623	2427	2435	2443	rBV	225572	452227	1.32%	0.315%
52	17.738	2449	2457	2471	rBV3	213444	642849	1.87%	0.448%
53	18.701	2626	2641	2652	rBV5	142042	554054	1.61%	0.386%
54	18.795	2652	2659	2666	rVV2	159974	378247	1.10%	0.264%
55	19.156	2711	2728	2739	rBV5	114740	435420	1.27%	0.304%
56	19.443	2774	2783	2794	rBV	151182	370629	1.08%	0.258%

Sum of corrected areas: 143422899

03171116.D 031611V1.M Wed Apr 13 15:44:11 2011

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\031711\03171116.D
Operator : Michael Truchan
Acquired : 17 Mar 2011 7:47 pm using AcqMethod 031611V1
Instrument : GC/MS Ins
Sample Name: 1103120-001A
Misc Info : SAMP EPA_TO15-ug/m3
Vial Number: 3
Quant File :031611V1.RES (RTE Integrator)



03171116.D 031611V1.M Wed Apr 13 15:44:12 2011

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171116.D Vial: 3
Acq On : 17 Mar 2011 7:47 pm Operator: Michael Truchan
Sample : 1103120-001A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 2.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 1 Ethylene oxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.35	78.31 ppbv	34366500	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	4
2	Ethylene oxide	44	C2H4O	000075-21-8	4
3	Acetaldehyde $$ Acetic aldehyde $$	44	C2H4O	000075-07-0	3
4	Ethyne, fluoro- $$ Acetylene, fluor	44	C2HF	002713-09-9	3
5	Acetaldehyde	44	C2H4O	000075-07-0	3

****

Peak Number 2 Isobutane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	5.91 ppbv	2593000	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	59
2	Isobutane	58	C4H10	000075-28-5	59
3	Isobutane $$ Propane, 2-methyl- $$	58	C4H10	000075-28-5	53
4	Cyclobutylamine $$ Aminocyclobutane	71	C4H9N	002516-34-9	9
5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	9

****

Peak Number 3 Butane $$ n-Butane $$ Diethyl Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	8.15 ppbv	3578180	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane $$ n-Butane $$ Diethyl $$ Fr	58	C4H10	000106-97-8	80
2	Butane	58	C4H10	000106-97-8	80
3	Isobutane	58	C4H10	000075-28-5	9
4	Acetic acid, 2-propenyl ester	100	C5H8O2	000591-87-7	9
5	Diazene, dimethyl-	58	C2H6N2	000503-28-6	5

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171116.D Vial: 3
Acq On : 17 Mar 2011 7:47 pm Operator: Michael Truchan
Sample : 1103120-001A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 2.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 4 Acetaldehyde Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	1.15 ppbv	503328	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	9
2	Acetaldehyde $$ Acetic aldehyde $$	44	C2H4O	000075-07-0	9
3	Acetaldehyde	44	C2H4O	000075-07-0	9
4	Cyclobutanol $$ Cyclobutyl hydroxid	72	C4H8O	002919-23-5	9
5	Ethylene oxide	44	C2H4O	000075-21-8	5

****

Peak Number 5 Butane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	20.55 ppbv	9017810	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	90
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	3-Buten-1-ol $$ Allylcarbinol $$ 1-	72	C4H8O	000627-27-0	9
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9

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Peak Number 6 Pentane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	6.98 ppbv	3064850	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane $$ n-Pentane $$ Skellysolve	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	72
4	Oxirane, ethyl-	72	C4H8O	000106-88-7	53
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	9

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171116.D Vial: 3
Acq On : 17 Mar 2011 7:47 pm Operator: Michael Truchan
Sample : 1103120-001A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 2.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 7 Cyclopropane, 1,1-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	0.96 ppbv	420101	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	87
2	Cyclopropane, 1,1-dimethyl- $$ Gem-	70	C5H10	001630-94-0	87
3	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	87
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	86
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	68

****

Peak Number 8 Pentane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	6.93 ppbv	3042760	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Pentane, 2-methyl- $$ Isohexane $$	86	C6H14	000107-83-5	91
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	58
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	53

****

Peak Number 9 Pentane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	3.49 ppbv	1532590	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl- $$ 3-Methylpenta	86	C6H14	000096-14-0	86
4	Hexane, 2,2,3-trimethyl- $$ 2,2,3-T	128	C9H20	016747-25-4	56
5	Oxirane, (1-methylethyl)- $$ Butane	86	C5H10O	001438-14-8	50

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171116.D Vial: 3
Acq On : 17 Mar 2011 7:47 pm Operator: Michael Truchan
Sample : 1103120-001A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 2.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 10 Pentane, 2,4-dimethyl- $$ 2,4- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	1.25 ppbv	546505	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl- $$ 2,4-Dimet	100	C7H16	000108-08-7	87
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	86
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	64
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53

****

Peak Number 11 Cyclopentane, methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	4.44 ppbv	1946900	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopentane, methyl- $$ Methylcycl	84	C6H12	000096-37-7	90
3	1H-Tetrazole, 5-methyl- $$ 5-Methyl	84	C2H4N4	004076-36-2	80
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	50
5	Cyclobutane, ethyl- $$ Ethylcyclobu	84	C6H12	004806-61-5	50

****

Peak Number 12 Pentane, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	2.82 ppbv	1239130	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171116.D Vial: 3
Acq On : 17 Mar 2011 7:47 pm Operator: Michael Truchan
Sample : 1103120-001A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 2.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 13 Pentane, 2,2,4-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	4.56 ppbv	2073650	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	64
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	64

****

Peak Number 14 Hexane, 2,4-dimethyl- $$ 2,4-D Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	1.54 ppbv	699525	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl- $$ 2,4-Dimeth	114	C8H18	000589-43-5	58
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	52
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
4	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	47
5	Heptane, 3-methyl- $$ 3-Methylhepta	114	C8H18	000589-81-1	47

****

Peak Number 15 Cyclohexane, methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	8.77 ppbv	3985390	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	78
5	Furan, 2,5-dihydro-2,5-dimethyl-	98	C6H10O	059242-27-2	59

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171116.D Vial: 3
Acq On : 17 Mar 2011 7:47 pm Operator: Michael Truchan
Sample : 1103120-001A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 2.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 16 Cyclopentane, ethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	1.13 ppbv	514700	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	70
2	Cyclopentane, ethyl- $$ Ethylcyclop	98	C7H14	001640-89-7	70
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	60
4	Cyclopentane, ethyl-	98	C7H14	001640-89-7	53
5	Cyclopentane, ethyl-	98	C7H14	001640-89-7	42

****

Peak Number 17 1-Hexene, 4-ethyl- $$ 4-Ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	2.16 ppbv	981660	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4-ethyl- $$ 4-Ethyl-1-hex	112	C8H16	016746-85-3	86
2	Cyclopentane, 1,2,3-trimethyl-, (1.	112	C8H16	002613-69-6	62
3	1-Heptene, 4-methyl- $$ 4-Methyl-1-	112	C8H16	013151-05-8	56
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50
5	Cyanic acid, sec-butyl ester	99	C5H9NO	001873-13-8	47

****

Peak Number 18 Heptane, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	2.56 ppbv	1162810	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	81
3	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	68
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
5	Heptane, 2-methyl- $$ 2-Methylhepta	114	C8H18	000592-27-8	58

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171116.D Vial: 3
Acq On : 17 Mar 2011 7:47 pm Operator: Michael Truchan
Sample : 1103120-001A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 2.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 19 Heptane, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	1.88 ppbv	853505	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3-methyl- $$ 3-Methylhepta	114	C8H18	000589-81-1	64
3	Hexane, 2,4-dimethyl- $$ 2,4-Dimeth	114	C8H18	000589-43-5	50
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
5	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	47

****

Peak Number 20 Cyclohexane, 1,3-dimethyl-, ci Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	2.89 ppbv	1313220	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis- $$	112	C8H16	000638-04-0	97
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	95
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94
4	Cyclohexane, 1,3-dimethyl- $$ 1,3-D	112	C8H16	000591-21-9	91
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91

****

Peak Number 21 Octane $$ n-Octane $$ n-C8H18 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	2.95 ppbv	1339250	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane $$ n-Octane $$ n-C8H18 $$ Ok	114	C8H18	000111-65-9	87
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	78
3	Octane	114	C8H18	000111-65-9	72
4	Heptane, 2,4-dimethyl- $$ 2,4-Dimet	128	C9H20	002213-23-2	72
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171116.D Vial: 3
Acq On : 17 Mar 2011 7:47 pm Operator: Michael Truchan
Sample : 1103120-001A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 2.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 22 Cyclohexane, 1,2-dimethyl-, tr Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	1.18 ppbv	630967	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	97
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
3	Cyclohexane, 1,2-dimethyl- (cis/tra	112	C8H16	000583-57-3	94
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90

****

Peak Number 23 Cyclohexane, 1,2-dimethyl-, tr Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	0.76 ppbv	407239	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	64
2	Cyclohexane, 1,2-dimethyl- (cis/tra	112	C8H16	000583-57-3	58
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	58
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	58
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	58

****

Peak Number 24 Cyclohexane, ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	1.98 ppbv	1056020	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	95
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
5	Cyclohexane, ethyl- $$ Ethylcyclohe	112	C8H16	001678-91-7	76

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171116.D Vial: 3
Acq On : 17 Mar 2011 7:47 pm Operator: Michael Truchan
Sample : 1103120-001A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 2.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 25 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	0.85 ppbv	452857	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	38
2	Cyclohexane, 1,1,3-trimethyl- $$ Cy	126	C9H18	003073-66-3	23
3	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	14
4	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	12
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	10

****

Peak Number 26 Heptane, 2,3-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	0.91 ppbv	484463	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	76
2	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	64
3	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	56
4	Heptane, 2,3-dimethyl- $$ 2,3-Dimet	128	C9H20	003074-71-3	53
5	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	50

****

Peak Number 27 Octane, 4-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	1.16 ppbv	618366	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	76
2	Heptane, 2,4-dimethyl- $$ 2,4-Dimet	128	C9H20	002213-23-2	62
3	Nonane, 4,5-dimethyl- $$ 4,5-Dimeth	156	C11H24	017302-23-7	56
4	Octane, 4-methyl- $$ 4-Methyloctane	128	C9H20	002216-34-4	53
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171116.D Vial: 3
Acq On : 17 Mar 2011 7:47 pm Operator: Michael Truchan
Sample : 1103120-001A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 2.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 28 Heptane, 3-ethyl-2-methyl- $$ Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	1.21 ppbv	644716	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl- $$ 2-Met	142	C10H22	014676-29-0	37
2	2-Decene, 5-methyl-, (Z)-	154	C11H22	074645-86-6	35
3	Octane, 3-methyl- $$ 3-Methyloctane	128	C9H20	002216-33-3	32
4	Piperidine, 3-methyl-	99	C6H13N	000626-56-2	27
5	Tetradecane	198	C14H30	000629-59-4	23

****

Peak Number 29 Cyclohexane, (1-methylethyl)- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	0.79 ppbv	422301	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	76
2	Cyclohexane, propyl- $$ Propylcyclo	126	C9H18	001678-92-8	52
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	50
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	45
5	Cyclohexane, (1-methylethyl)- $$ Cy	126	C9H18	000696-29-7	43

****

Peak Number 30 .alpha.-Pinene $$ Bicyclo[3.1. Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	1.66 ppbv	883030	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene $$ Bicyclo[3.1.1]hep	136	C10H16	000080-56-8	96
2	(1S)-2,6,6-Trimethylbicyclo[3.1.1]h	136	C10H16	007785-26-4	94
3	Bicyclo[3.1.1]hept-2-ene, 2,6,6-tri	136	C10H16	002437-95-8	94
4	(1R)-2,6,6-Trimethylbicyclo[3.1.1]h	136	C10H16	007785-70-8	92
5	.alpha.-Pinene	136	C10H16	000080-56-8	81

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171116.D Vial: 3
Acq On : 17 Mar 2011 7:47 pm Operator: Michael Truchan
Sample : 1103120-001A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 2.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 31 Decane Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	0.85 ppbv	452227	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	91
2	Decane	142	C10H22	000124-18-5	70
3	Hexadecane	226	C16H34	000544-76-3	59
4	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	59
5	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	59

****

Peak Number 32 Cyclohexane, butyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	1.04 ppbv	554054	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
2	Cyclohexane, butyl- $$ n-Butylcyclo	140	C10H20	001678-93-9	81
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	81
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	74
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	74

****

Peak Number 33 Limonene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	0.71 ppbv	378247	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Limonene	136	C10H16	000138-86-3	87
2	D-Limonene $$ Cyclohexene, 1-methyl	136	C10H16	005989-27-5	81
3	Cyclohexene, 1-methyl-4-(1-methylet	136	C10H16	007705-14-8	81
4	D-Limonene	136	C10H16	005989-27-5	76
5	D-Limonene	136	C10H16	005989-27-5	76

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171116.D Vial: 3
Acq On : 17 Mar 2011 7:47 pm Operator: Michael Truchan
Sample : 1103120-001A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 2.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 34 Benzene, 1,2-dichloro- $$ Benz Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	0.82 ppbv	435420	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dichloro- $$ Benzene,	146	C6H4Cl2	000095-50-1	89
2	Benzene, 1,3-dichloro-	146	C6H4Cl2	000541-73-1	86
3	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	86
4	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	86
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	83

****

Peak Number 35 Undecane $$ n-Undecane $$ Hend Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	0.69 ppbv	370629	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane $$ n-Undecane $$ Hendecane	156	C11H24	001120-21-4	91
2	Undecane	156	C11H24	001120-21-4	90
3	Undecane	156	C11H24	001120-21-4	87
4	Hexadecane	226	C16H34	000544-76-3	86
5	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	83

Tentatively Identified Compound (LSC) summary

Operator ID: Michael Truchan Date Acquired: 17 Mar 2011 7:47 pm
Data File: C:\HPCHEM\1\DATA\031711\03171116.D
Name: 1103120-001A
Misc: SAMP EPA_TO15-ug/m3
Method: C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title: TO15 ppbv
Library Searched: C:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Ethylene oxide	5.35	78.3	ppbv	34366500	ISTD01	10.76	5485870	12.5
Isobutane	6.05	5.9	ppbv	2593000	ISTD01	10.76	5485870	12.5
Butane $$ n-Butane $	6.33	8.2	ppbv	3578180	ISTD01	10.76	5485870	12.5
Acetaldehyde	6.63	1.1	ppbv	503328	ISTD01	10.76	5485870	12.5
Butane, 2-methyl-	7.16	20.5	ppbv	9017810	ISTD01	10.76	5485870	12.5
Pentane	7.54	7.0	ppbv	3064850	ISTD01	10.76	5485870	12.5
Cyclopropane, 1,1-di	7.99	1.0	ppbv	420101	ISTD01	10.76	5485870	12.5
Pentane, 2-methyl-	8.76	6.9	ppbv	3042760	ISTD01	10.76	5485870	12.5
Pentane, 3-methyl-	9.08	3.5	ppbv	1532590	ISTD01	10.76	5485870	12.5
Pentane, 2,4-dimethy	10.00	1.2	ppbv	546505	ISTD01	10.76	5485870	12.5
Cyclopentane, methyl	10.21	4.4	ppbv	1946900	ISTD01	10.76	5485870	12.5
Pentane, 2,3-dimethy	10.95	2.8	ppbv	1239130	ISTD01	10.76	5485870	12.5
Pentane, 2,2,4-trime	11.36	4.6	ppbv	2073650	ISTD02	11.86	5682300	12.5
Hexane, 2,4-dimethyl	12.28	1.5	ppbv	699525	ISTD02	11.86	5682300	12.5
Cyclohexane, methyl-	12.39	8.8	ppbv	3985390	ISTD02	11.86	5682300	12.5
Cyclopentane, ethyl-	12.57	1.1	ppbv	514700	ISTD02	11.86	5682300	12.5
1-Hexene, 4-ethyl- $	12.80	2.2	ppbv	981660	ISTD02	11.86	5682300	12.5
Heptane, 2-methyl-	12.94	2.6	ppbv	1162810	ISTD02	11.86	5682300	12.5
Heptane, 3-methyl-	13.15	1.9	ppbv	853505	ISTD02	11.86	5682300	12.5
Cyclohexane, 1,3-dim	13.57	2.9	ppbv	1313220	ISTD02	11.86	5682300	12.5
Octane $$ n-Octane $	13.67	2.9	ppbv	1339250	ISTD02	11.86	5682300	12.5
Cyclohexane, 1,2-dim	14.08	1.2	ppbv	630967	ISTD03	15.72	6668030	12.5
Cyclohexane, 1,2-dim	14.19	0.8	ppbv	407239	ISTD03	15.72	6668030	12.5
Cyclohexane, ethyl-	14.83	2.0	ppbv	1056020	ISTD03	15.72	6668030	12.5
Cyclohexane, 1,1,3-t	14.88	0.8	ppbv	452857	ISTD03	15.72	6668030	12.5
Heptane, 2,3-dimethy	14.95	0.9	ppbv	484463	ISTD03	15.72	6668030	12.5
Octane, 4-methyl-	15.02	1.2	ppbv	618366	ISTD03	15.72	6668030	12.5
Heptane, 3-ethyl-2-m	15.20	1.2	ppbv	644716	ISTD03	15.72	6668030	12.5
Cyclohexane, (1-meth	16.78	0.8	ppbv	422301	ISTD03	15.72	6668030	12.5
.alpha.-Pinene $$ Bi	16.97	1.7	ppbv	883030	ISTD03	15.72	6668030	12.5
Decane	17.62	0.8	ppbv	452227	ISTD03	15.72	6668030	12.5
Cyclohexane, butyl-	18.70	1.0	ppbv	554054	ISTD03	15.72	6668030	12.5
Limonene	18.79	0.7	ppbv	378247	ISTD03	15.72	6668030	12.5
Benzene, 1,2-dichlor	19.16	0.8	ppbv	435420	ISTD03	15.72	6668030	12.5
Undecane $$ n-Undeca	19.44	0.7	ppbv	370629	ISTD03	15.72	6668030	12.5

03171116.D 031611V1.M Wed Apr 13 15:44:13 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171126.D Vial: 14
Acq On : 18 Mar 2011 3:00 am Operator: Michael Truchan
Sample : 1103120-013A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:05 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.76	130	738697	12.50	ppbv	0.00
33) 1,4-Difluorobenzene	11.86	114	2637574	12.50	ppbv	0.00
48) Chlorobenzene-d5	15.72	117	1899488	12.50	ppbv	0.00
System Monitoring Compounds						
55) 4-Bromofluorobenzene	17.37	95	1143933	12.02	ppbv	0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 96.16%			
Target Compounds						Qvalue
2) Propylene	5.68	41	3976024	71.80	ppbv #	78
7) 1,3-Butadiene	6.45	39	178417	3.19	ppbv #	85
20) n-Hexane	9.39	57	239652	2.22	ppbv	99
26) Tetrahydrofuran	10.81	42	54020	0.88	ppbv #	42
29) Cyclohexane	11.04	56	336452	3.08	ppbv	85
31) Benzene	11.48	78	342309	1.87	ppbv	98
34) Heptane	11.52	43	307781	2.42	ppbv #	96
41) Toluene	13.80	91	977595	4.92	ppbv	99
50) Ethylbenzene	15.80	91	166554	0.75	ppbv	96
51) m,p-Xylene	15.95	91	285613	1.67	ppbv	96
52) o-Xylene	16.55	91	116643	0.70	ppbv #	89

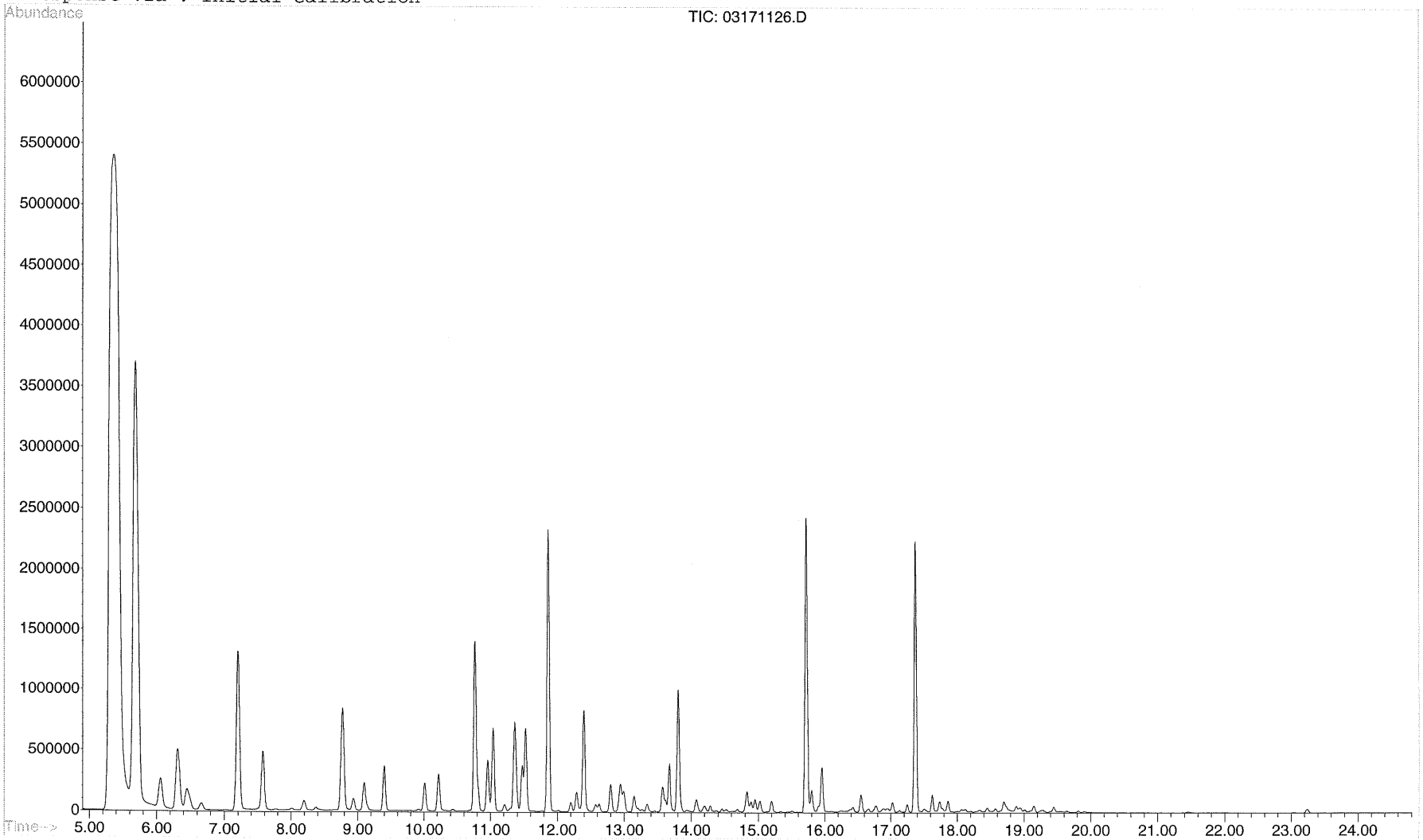
no data reported
CK 4/15/11

(#) = qualifier out of range (m) = manual integration
03171126.D 031611V1.M Wed Apr 13 15:45:24 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171126.D Vial: 14
Acq On : 18 Mar 2011 3:00 am Operator: Michael Truchan
Sample : 1103120-013A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:05 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:13 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.76	130	703561	12.50	ppbv	0.00
33) 1,4-Difluorobenzene	11.86	114	2441192	12.50	ppbv	0.00
48) Chlorobenzene-d5	15.71	117	1867057	12.50	ppbv	0.00
System Monitoring Compounds						
55) 4-Bromofluorobenzene	17.37	95	1207599	12.90	ppbv	0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 103.20%			
Target Compounds						Qvalue
2) Propylene*	5.69	41	429037	8.13	ppbv #	80
7) 1,3-Butadiene*	6.45	39	26817	0.50	ppbv #	80
11) Ethanol*	7.74	45	8070	0.69	ppbv #	69
14) Acetone*	8.37	43	1554985	17.93	ppbv #	90
16) 2-Propanol*	8.43	45	123277	1.97	ppbv #	1
20) n-Hexane*	9.39	57	1522199	14.82	ppbv	99
24) 2-Butanone*	10.43	43	299154	3.34	ppbv	93
29) Cyclohexane	11.03	56	2219418	21.34	ppbv #	78
31) Benzene*	11.47	78	1144658	6.58	ppbv	94
34) Heptane	11.52	43	2484998	21.08	ppbv #	95
41) Toluene*	13.80	91	3288918	17.88	ppbv	99
50) Ethylbenzene*	15.80	91	302388	1.39	ppbv	96
51) m,p-Xylene*	15.96	91	538317	3.20	ppbv	96
52) o-Xylene*	16.55	91	196698	1.20	ppbv #	88
57) 4-Ethyltoluene*	17.74	105	106227	0.54	ppbv	100

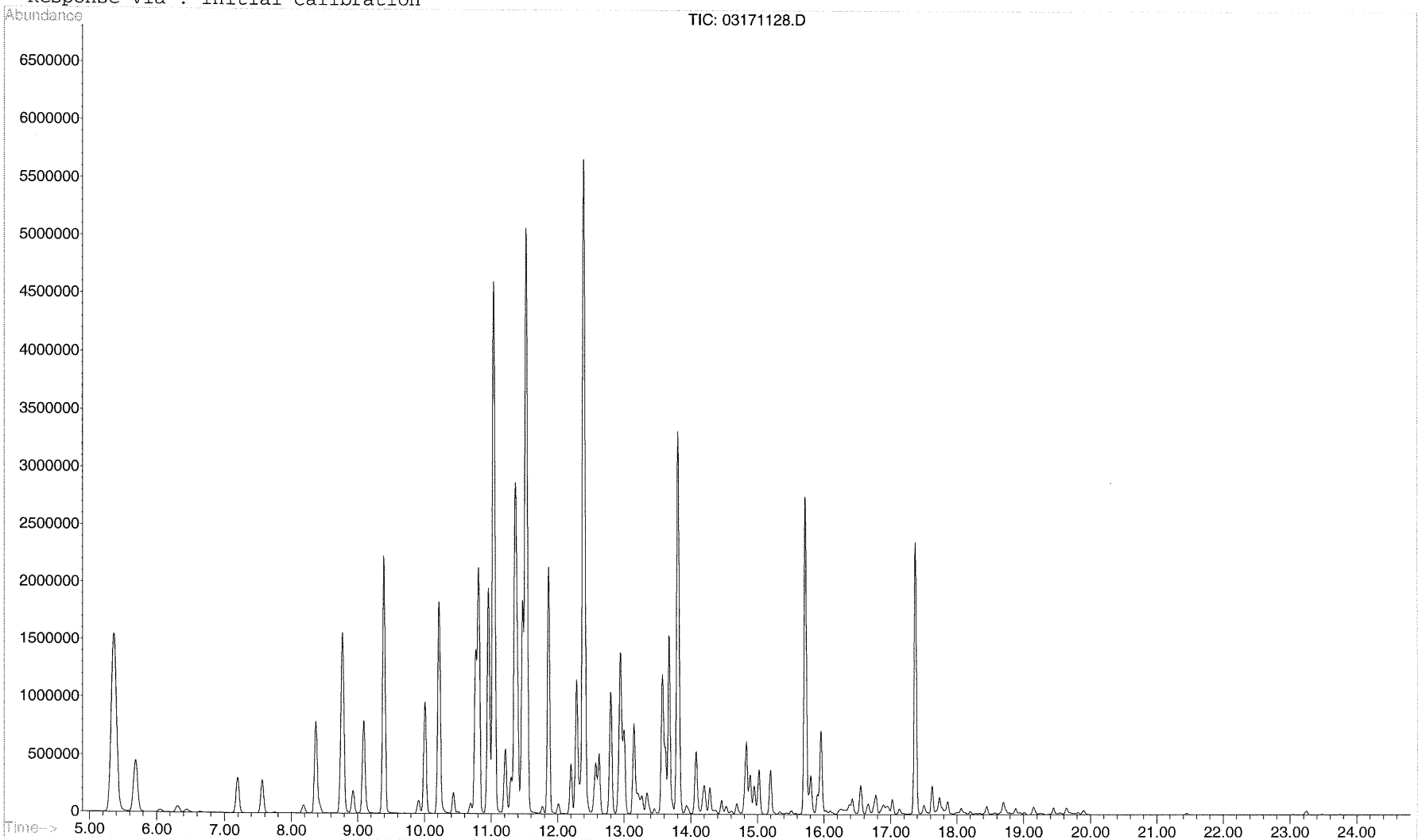
* reported only ch 4/15/11

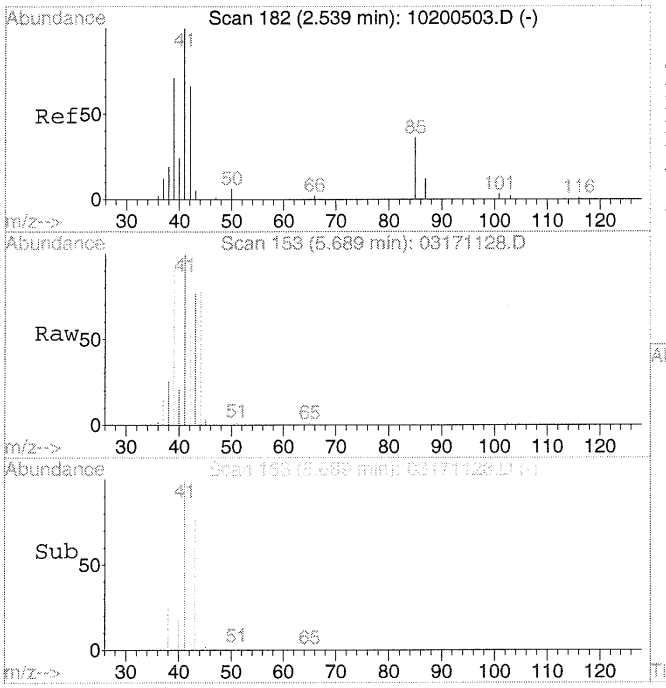
(#) = qualifier out of range (m) = manual integration
03171128.D 031611V1.M Wed Apr 13 15:46:04 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:13 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

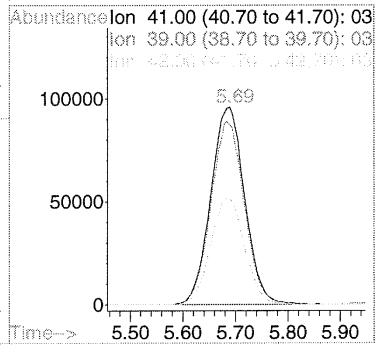


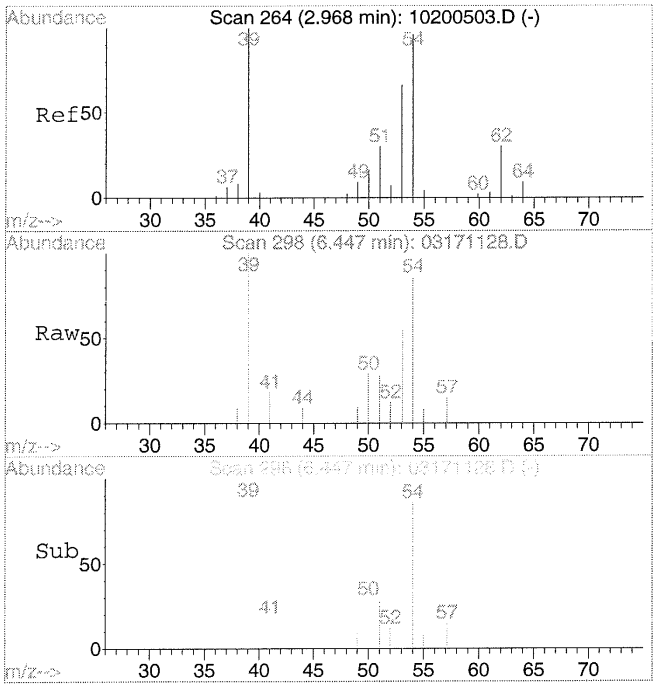


#2
Propylene
Concen: 8.13 ppbv
RT: 5.69 min Scan# 153
Delta R.T. 0.01 min
Lab File: 03171128.D
Acq: 18 Mar 2011 4:22 am

Tgt Ion: 41 Resp: 429037

Ion	Ratio	Lower	Upper
41	100		
39	91.1	57.6	86.4#
42	54.0	54.0	81.0#

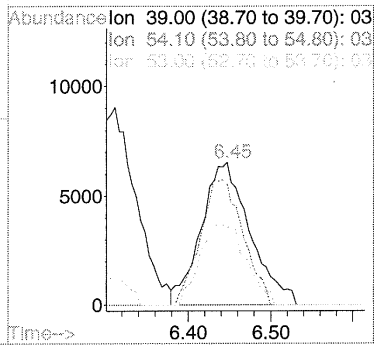


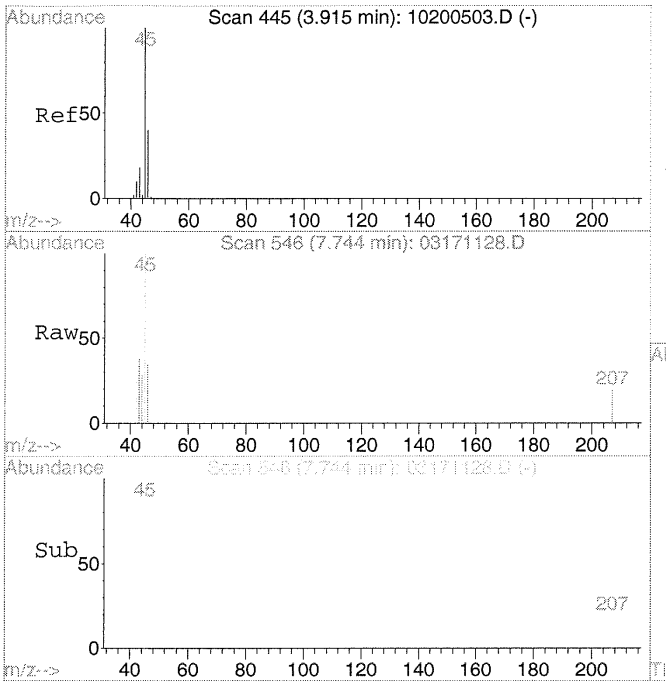


#7
1,3-Butadiene
Concen: 0.50 ppbv
RT: 6.45 min Scan# 298
Delta R.T. 0.01 min
Lab File: 03171128.D
Acq: 18 Mar 2011 4:22 am

Tgt Ion: 39 Resp: 26817

Ion	Ratio	Lower	Upper
39	100		
54	77.1	79.4	119.0#
53	53.3	53.2	79.8

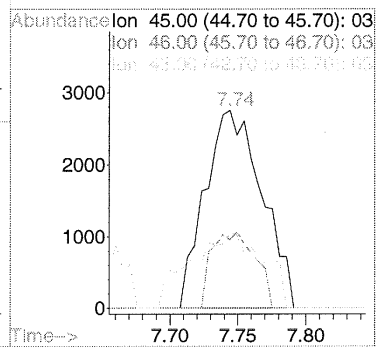


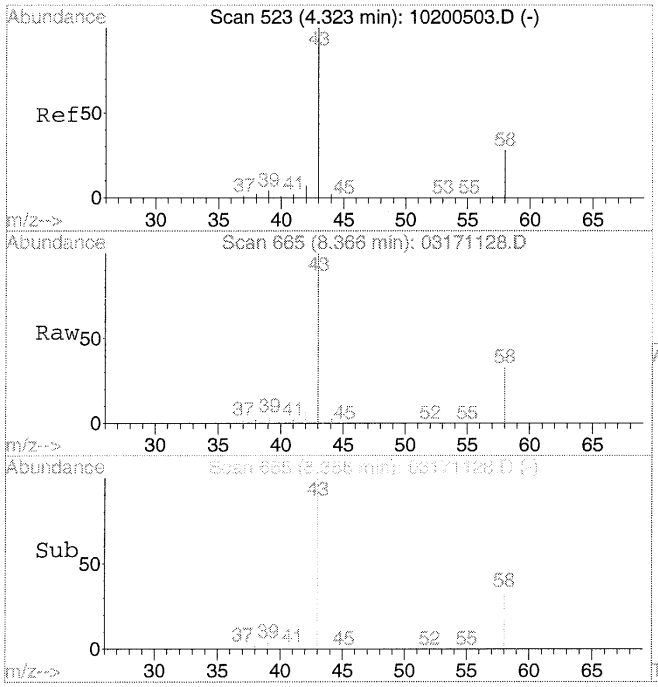


#11
Ethanol
Concen: 0.69 ppbv
RT: 7.74 min Scan# 546
Delta R.T. 0.01 min
Lab File: 03171128.D
Acq: 18 Mar 2011 4:22 am

Tgt Ion: 45 Resp: 8070

Ion	Ratio	Lower	Upper
45	100		
46	29.7	30.2	45.4#
43	48.9	15.8	23.6#

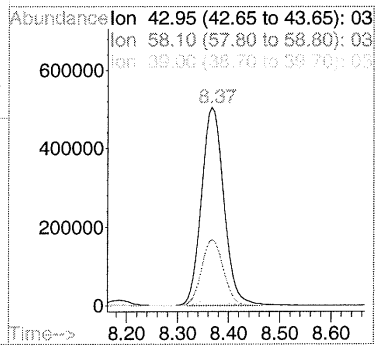


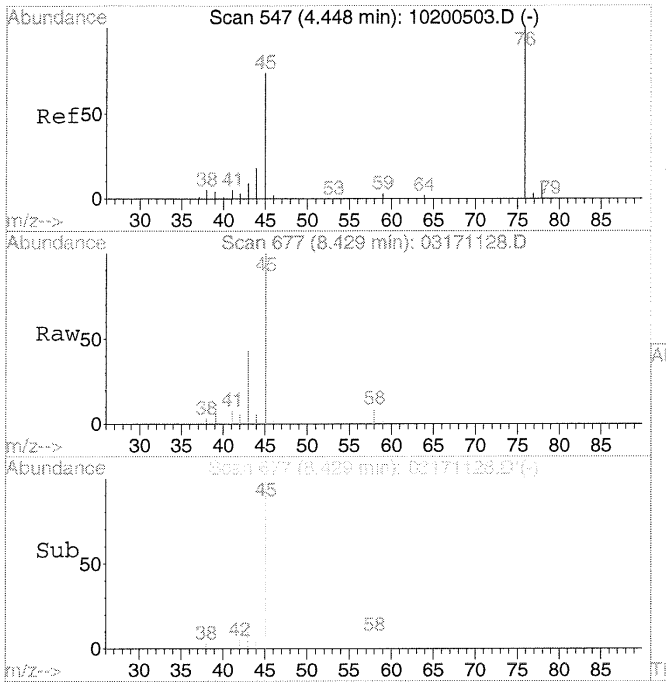


#14
Acetone
Concen: 17.93 ppbv
RT: 8.37 min Scan# 665
Delta R.T. 0.01 min
Lab File: 03171128.D
Acq: 18 Mar 2011 4:22 am

Tgt Ion: 43 Resp: 1554985

Ion	Ratio	Lower	Upper
43	100		
58	32.7	22.0	33.0
39	4.3	6.5	9.7#

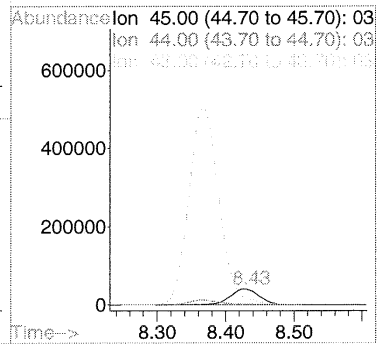


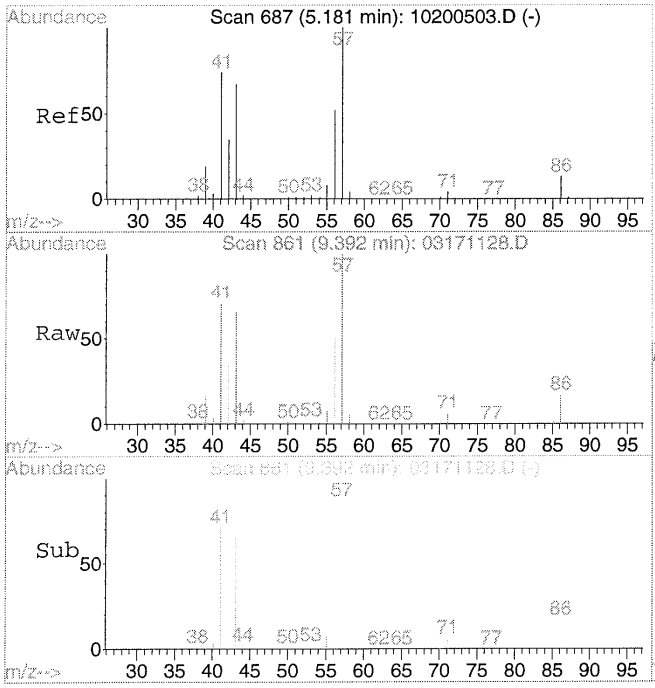


#16
2-Propanol
Concen: 1.97 ppbv
RT: 8.43 min Scan# 677
Delta R.T. 0.03 min
Lab File: 03171128.D
Acq: 18 Mar 2011 4:22 am

Tgt Ion: 45 Resp: 123277

Ion	Ratio	Lower	Upper
45	100		
44	0.0	5.2	7.8#
43	0.0	101.1	151.7#

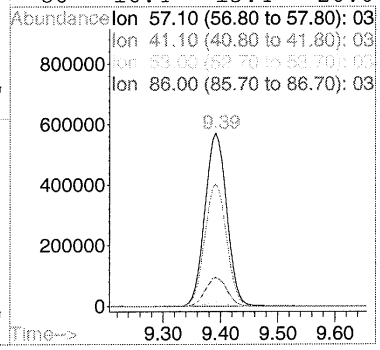


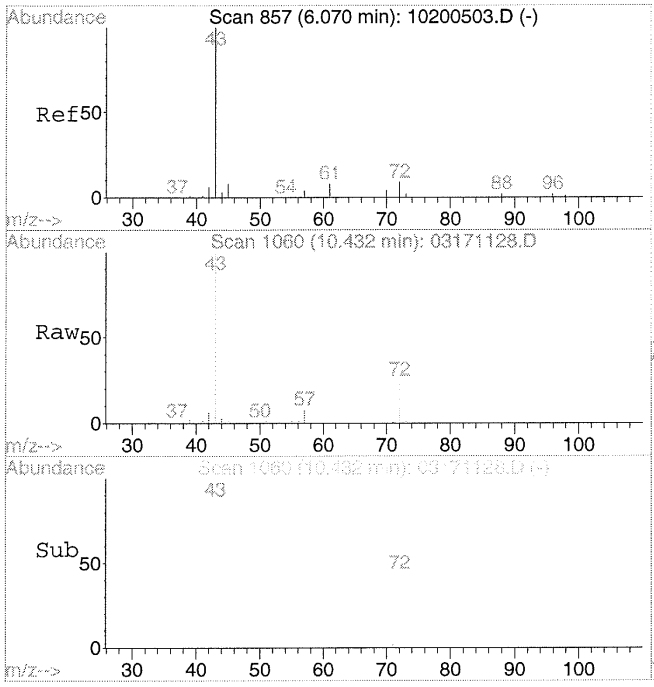


#20
n-Hexane
Concen: 14.82 ppbv
RT: 9.39 min Scan# 861
Delta R.T. -0.00 min
Lab File: 03171128.D
Acq: 18 Mar 2011 4:22 am

Tgt Ion: 57 Resp: 1522199

Ion	Ratio	Lower	Upper
57	100		
41	70.4	57.2	85.8
53	2.3	1.8	2.8
86	16.4	13.4	20.0

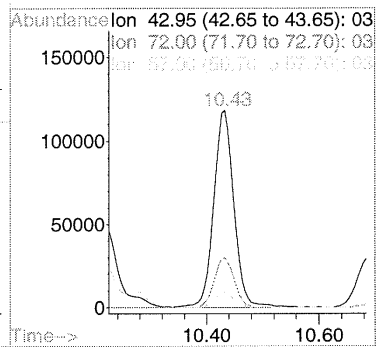


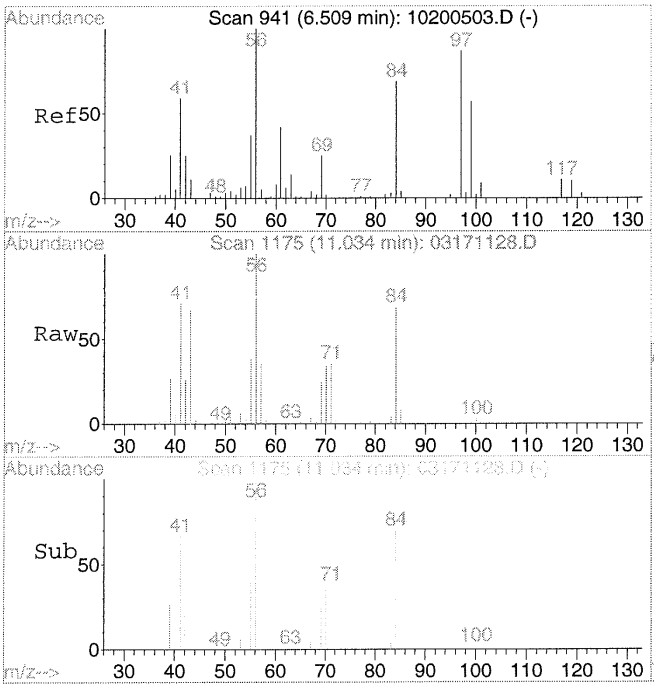


#24
2-Butanone
Concen: 3.34 ppbv
RT: 10.43 min Scan# 1060
Delta R.T. 0.01 min
Lab File: 03171128.D
Acq: 18 Mar 2011 4:22 am

Tgt Ion: 43 Resp: 299154

Ion	Ratio	Lower	Upper
43	100		
72	24.7	23.4	35.2
57	7.4	6.9	10.3

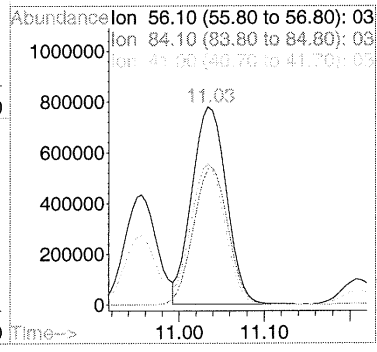


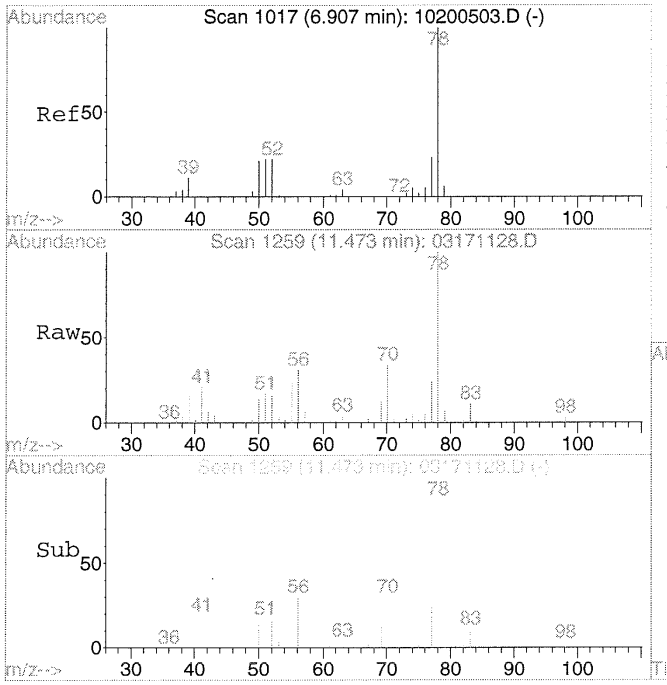


#29
Cyclohexane
Concen: 21.34 ppbv
RT: 11.03 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03171128.D
Acq: 18 Mar 2011 4:22 am

Tgt Ion: 56 Resp: 2219418

Ion	Ratio	Lower	Upper
56	100		
84	70.3	72.4	108.6#
41	71.1	43.8	65.8#

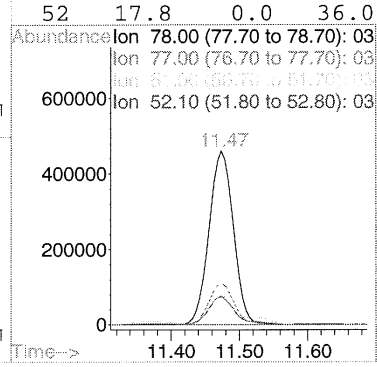


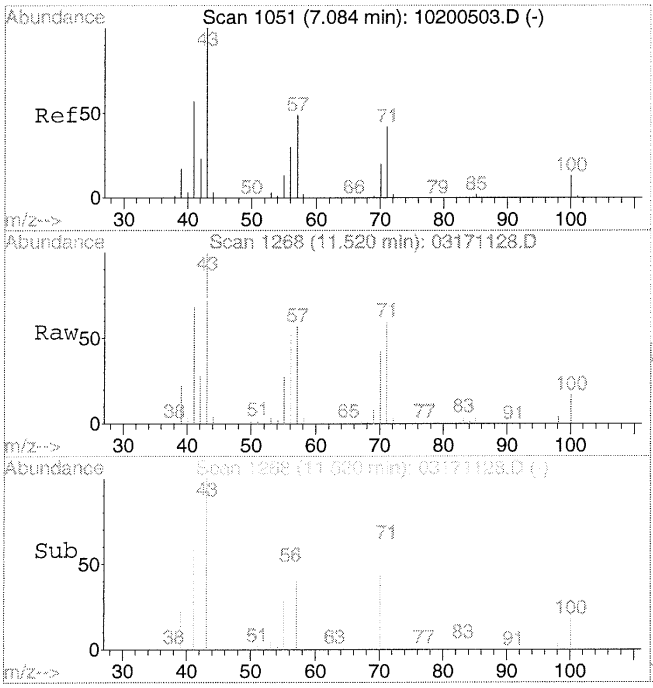


#31
Benzene
Concen: 6.58 ppbv
RT: 11.47 min Scan# 1259
Delta R.T. 0.00 min
Lab File: 03171128.D
Acq: 18 Mar 2011 4:22 am

Tgt Ion: 78 Resp: 1144658

Ion	Ratio	Lower	Upper
78	100		
77	25.1	3.7	43.7
51	21.3	0.0	36.1
52	17.8	0.0	36.0

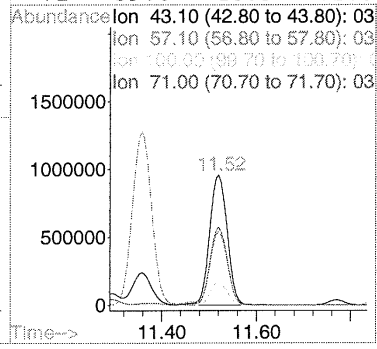


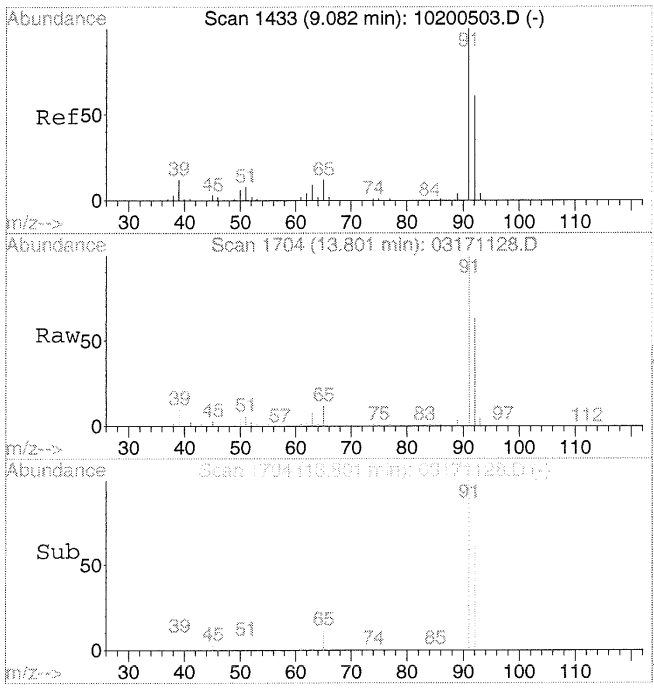


#34
Heptane
Concen: 21.08 ppbv
RT: 11.52 min Scan# 1268
Delta R.T. -0.00 min
Lab File: 03171128.D
Acq: 18 Mar 2011 4:22 am

Tgt Ion: 43 Resp: 2484998

Ion	Ratio	Lower	Upper
43	100		
57	58.2	42.2	63.4
100	17.1	17.3	25.9#
71	59.0	48.3	72.5

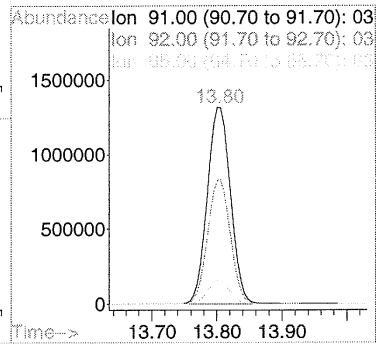


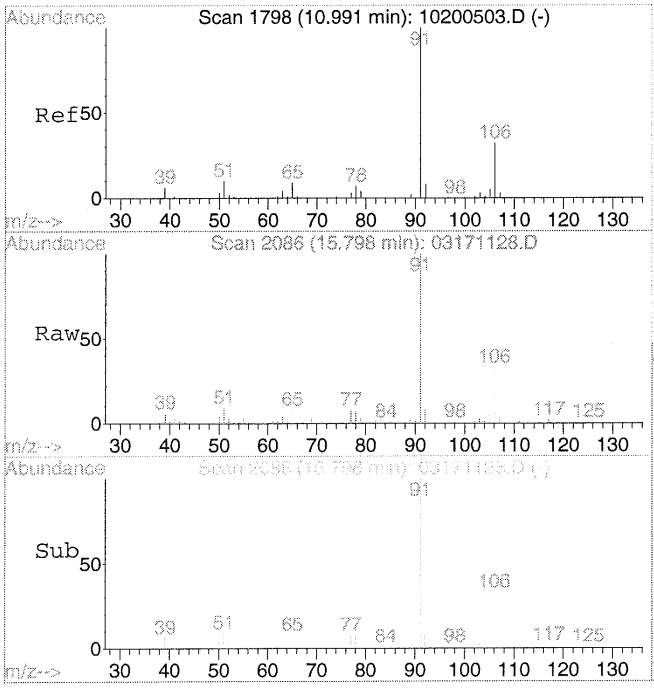


#41
Toluene
Concen: 17.88 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03171128.D
Acq: 18 Mar 2011 4:22 am

Tgt Ion: 91 Resp: 3288918

Ion	Ratio	Lower	Upper
91	100		
92	61.6	40.5	80.5
65	11.5	0.0	31.2

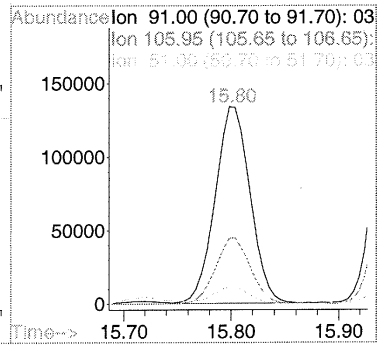


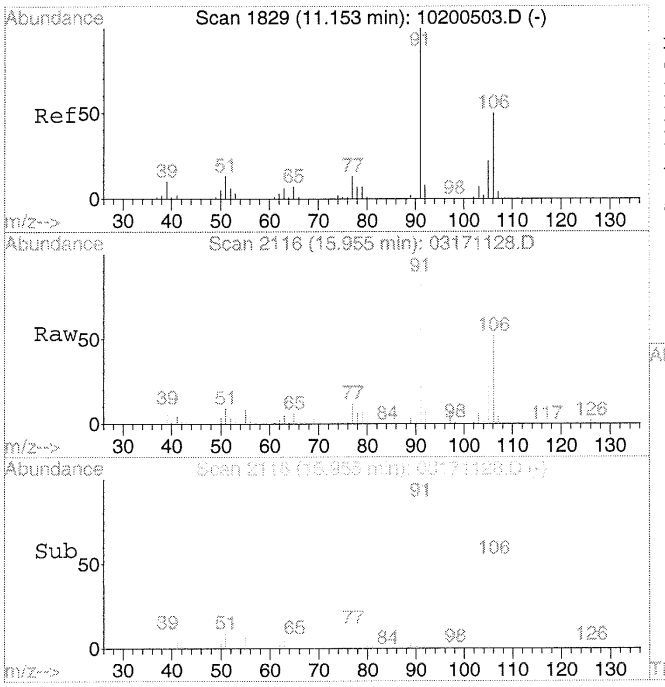


#50
Ethylbenzene
Concen: 1.39 ppbv
RT: 15.80 min Scan# 2086
Delta R.T. -0.00 min
Lab File: 03171128.D
Acq: 18 Mar 2011 4:22 am

Tgt Ion: 91 Resp: 302388

Ion	Ratio	Lower	Upper
91	100		
106	33.6	14.9	54.9
51	9.2	0.0	33.1

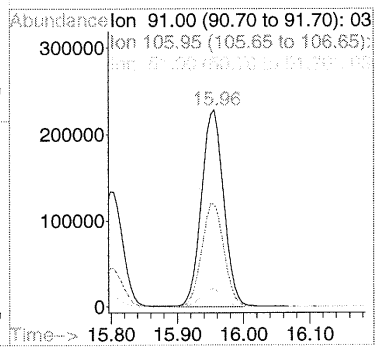


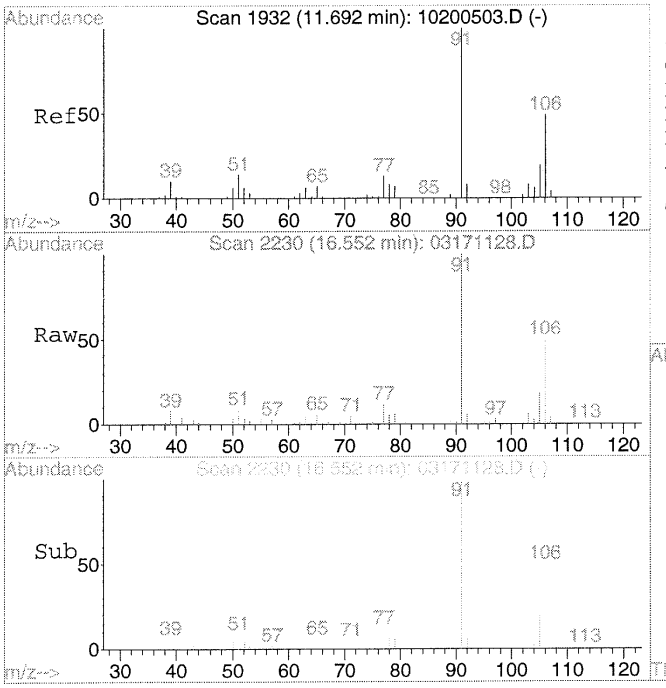


#51
m,p-Xylene
Concen: 3.20 ppbv
RT: 15.96 min Scan# 2116
Delta R.T. -0.00 min
Lab File: 03171128.D
Acq: 18 Mar 2011 4:22 am

Tgt Ion: 91 Resp: 538317

Ion	Ratio	Lower	Upper
91	100		
106	52.3	35.6	75.6
51	9.3	0.0	29.6

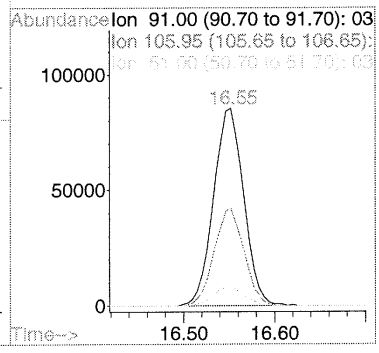


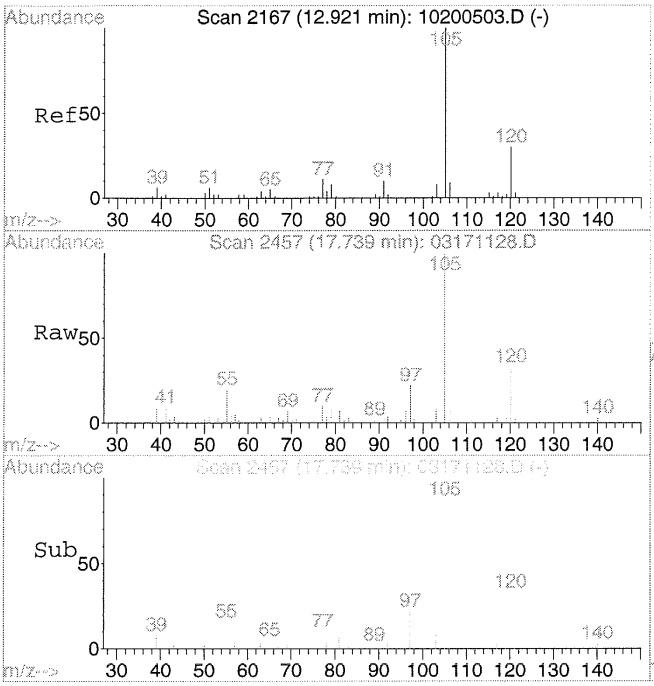


#52
o-Xylene
Concen: 1.20 ppbv
RT: 16.55 min Scan# 2230
Delta R.T. 0.00 min
Lab File: 03171128.D
Acq: 18 Mar 2011 4:22 am

Tgt Ion: 91 Resp: 196698

Ion	Ratio	Lower	Upper
91	100		
106	48.9	41.0	61.6
51	10.1	19.7	29.5#

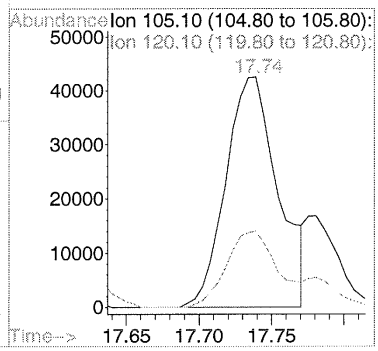




#57
4-Ethyltoluene
Concen: 0.54 ppbv
RT: 17.74 min Scan# 2457
Delta R.T. -0.04 min
Lab File: 03171128.D
Acq: 18 Mar 2011 4:22 am

Tgt Ion:105 Resp: 106227

Ion	Ratio	Lower	Upper
105	100		
120	32.6	26.0	39.0



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.359	62	90	130	rBV	1546480	8818742	53.73%	4.978%
2	5.683	133	152	180	rVB2	454475	2011672	12.26%	1.135%
3	6.311	257	272	286	rBV3	53548	214584	1.31%	0.121%
4	7.190	425	440	460	rBV	305203	1017625	6.20%	0.574%
5	7.561	497	511	529	rVB	288065	878725	5.35%	0.496%
6	8.183	619	630	643	rBV3	70402	231309	1.41%	0.131%
7	8.366	651	665	695	rBV	795652	2581892	15.73%	1.457%
8	8.769	726	742	762	rBV2	1565466	5200710	31.69%	2.935%
9	8.931	762	773	789	rVB2	195843	579225	3.53%	0.327%
10	9.088	789	803	825	rBV	801748	2354819	14.35%	1.329%
11	9.392	848	861	883	rBV	2232532	5902673	35.96%	3.332%
12	9.915	948	961	968	rBV	113951	316388	1.93%	0.179%
13	10.009	968	979	997	rVB	961736	2633724	16.05%	1.487%
14	10.213	1004	1018	1045	rBV	1832188	5169874	31.50%	2.918%
15	10.432	1049	1060	1069	rBV	179663	433001	2.64%	0.244%
16	10.689	1097	1109	1114	rBV	91060	248475	1.51%	0.140%
17	10.762	1114	1123	1126	rVV	1418091	3202571	19.51%	1.808%
18	10.804	1127	1131	1147	rVV	2133824	5122001	31.21%	2.891%
19	10.955	1147	1160	1167	rVV	1953717	5308872	32.35%	2.996%
20	11.034	1167	1175	1195	rVV2	4606554	12941274	78.85%	7.304%
21	11.212	1197	1209	1217	rVV	558615	1521153	9.27%	0.859%
22	11.295	1217	1225	1228	rVV	313355	735427	4.48%	0.415%
23	11.358	1228	1237	1250	rVV2	2869691	10022723	61.07%	5.657%
24	11.468	1250	1258	1261	rVV3	1842310	4165740	25.38%	2.351%
25	11.520	1262	1268	1294	rVB2	5071473	13839947	84.33%	7.812%
26	11.860	1323	1333	1353	rVV	2137201	5231947	31.88%	2.953%
27	12.012	1353	1362	1372	rVB	85879	209784	1.28%	0.118%
28	12.200	1386	1398	1405	rBV2	433123	1030095	6.28%	0.581%
29	12.284	1405	1414	1423	rVV2	1161637	3234465	19.71%	1.826%
30	12.394	1424	1435	1456	rVV	5672927	16412542	100.00%	9.264%
31	12.571	1456	1469	1474	rVV2	447015	1303158	7.94%	0.736%
32	12.624	1474	1479	1492	rVB	523298	1223915	7.46%	0.691%
33	12.796	1499	1512	1526	rBV2	1051782	2764850	16.85%	1.561%
34	12.943	1526	1540	1546	rBV3	1391368	3990795	24.32%	2.253%
35	13.147	1567	1579	1588	rBV	777287	2130757	12.98%	1.203%
36	13.340	1609	1616	1631	rVB	179974	532046	3.24%	0.300%
37	13.570	1645	1660	1667	rBV2	1202886	3381820	20.61%	1.909%
38	13.670	1673	1679	1694	rVB	1500772	3420868	20.84%	1.931%
39	13.806	1694	1705	1721	rVB	3309474	8780195	53.50%	4.956%
40	13.931	1721	1729	1741	rVB6	68637	220533	1.34%	0.124%
41	14.078	1745	1757	1769	rBV2	534878	1440846	8.78%	0.813%
42	14.198	1769	1780	1790	rBV5	230657	695640	4.24%	0.393%
43	14.282	1790	1796	1806	rVB	201189	421746	2.57%	0.238%

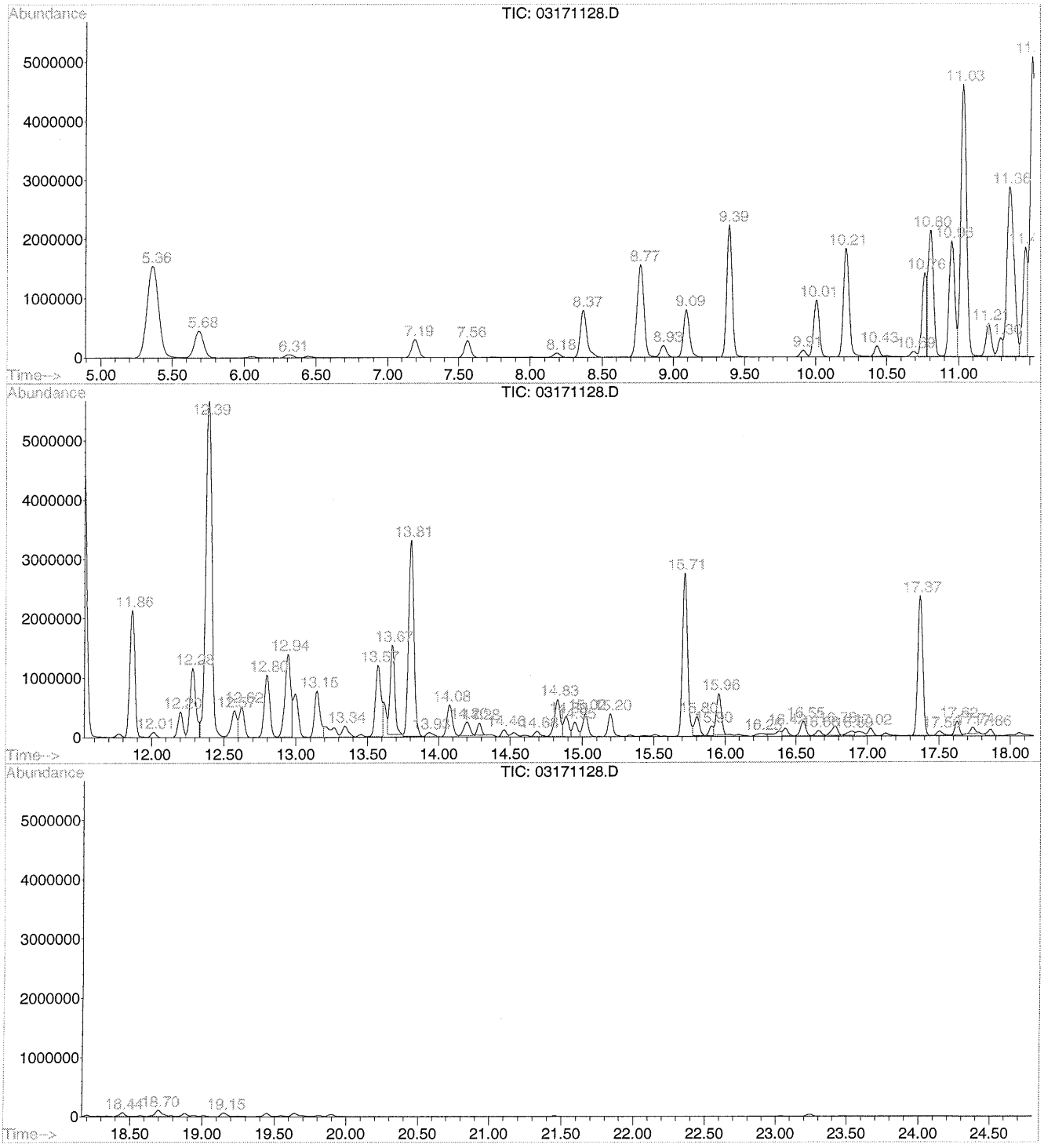
44	14.460	1821	1830	1836	rBV	115159	254338	1.55%	0.144%
45	14.684	1865	1873	1885	rBV2	87159	220957	1.35%	0.125%
46	14.826	1886	1900	1907	rVV	624156	1757056	10.71%	0.992%
47	14.888	1907	1912	1918	rVV	337461	812052	4.95%	0.458%
48	14.946	1918	1923	1930	rVV2	245766	606402	3.69%	0.342%
49	15.019	1930	1937	1953	rVB2	385943	977298	5.95%	0.552%
50	15.197	1959	1971	1988	rBV	383482	944810	5.76%	0.533%
51	15.715	2057	2070	2081	rBV	2755189	6884542	41.95%	3.886%
52	15.798	2081	2086	2098	rVB	322679	797732	4.86%	0.450%
53	15.903	2098	2106	2109	rBV2	161552	347988	2.12%	0.196%
54	15.955	2109	2116	2127	rVB	696698	1715626	10.45%	0.968%
55	16.253	2159	2173	2181	rBV6	45366	203843	1.24%	0.115%
56	16.421	2201	2205	2218	rVB	125242	288541	1.76%	0.163%
57	16.552	2218	2230	2240	rVB	246134	618331	3.77%	0.349%
58	16.656	2240	2250	2260	rBV3	85665	241018	1.47%	0.136%
59	16.776	2260	2273	2281	rVB5	154037	459904	2.80%	0.260%
60	16.892	2281	2295	2299	rBV8	71323	230576	1.40%	0.130%
61	17.022	2314	2320	2330	rVB	127790	290146	1.77%	0.164%
62	17.367	2374	2386	2400	rBV	2356533	5661382	34.49%	3.195%
63	17.503	2403	2412	2427	rBV5	73233	202125	1.23%	0.114%
64	17.624	2427	2435	2443	rBV2	237987	515090	3.14%	0.291%
65	17.739	2448	2457	2464	rBV2	114780	283006	1.72%	0.160%
66	17.859	2473	2480	2492	rVB	105848	262521	1.60%	0.148%
67	18.445	2580	2592	2602	rBV	68080	168028	1.02%	0.095%
68	18.696	2624	2640	2655	rBV5	106205	366775	2.23%	0.207%
69	19.151	2718	2727	2739	rBV3	63842	179918	1.10%	0.102%

Sum of corrected areas: 177169153

03171128.D 031611V1.M Wed Apr 13 15:46:15 2011

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\031711\03171128.D
Operator : Michael Truchan
Acquired : 18 Mar 2011 4:22 am using AcqMethod 031611V1
Instrument : GC/MS Ins
Sample Name: 1103120-002A
Misc Info : SAMP EPA_TO15-ug/m3
Vial Number: 15
Quant File :031611V1.RES (RTE Integrator)



03171128.D 031611V1.M Wed Apr 13 15:46:15 2011

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 1 Carbon dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.36	34.42 ppbv	8818740	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide $$ Carbon oxide (CO2	44	CO2	000124-38-9	4
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Nitrous Oxide	44	N2O	010024-97-2	3
5	Nitrous Oxide $$ Nitrogen oxide (N2	44	N2O	010024-97-2	3

****

Peak Number 2 1-Propene, 2-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	0.84 ppbv	214584	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
2	1-Propene, 2-methyl- $$ Propene, 2-	56	C4H8	000115-11-7	72
3	1-Butene	56	C4H8	000106-98-9	72
4	1-Butene	56	C4H8	000106-98-9	72
5	1-Butene	56	C4H8	000106-98-9	72

****

Peak Number 3 Butane, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	3.97 ppbv	1017630	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	90
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	1-Butene	56	C4H8	000106-98-9	9
5	1-Butene $$ .alpha.-Butene $$ .alph	56	C4H8	000106-98-9	9

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 4 Pentane $$ n-Pentane $$ Skelly Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	3.43 ppbv	878725	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane $$ n-Pentane $$ Skellysolve	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	72
4	Butane, 2-methyl-	72	C5H12	000078-78-4	50
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	36

****

Peak Number 5 Butane, 2,2-dimethyl- $$ Neohe Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	0.90 ppbv	231309	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl- $$ Neohexane	86	C6H14	000075-83-2	83
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	83
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	83
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
5	Heptane, 3,3-dimethyl- $$ 3,3-Dimet	128	C9H20	004032-86-4	50

****

Peak Number 6 Pentane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	20.30 ppbv	5200710	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Pentane, 2-methyl- $$ Isohexane $$	86	C6H14	000107-83-5	91
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	58

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 7 Cyclopentane $$ Pentamethylene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	2.26 ppbv	579225	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane $$ Pentamethylene $$ U	70	C5H10	000287-92-3	50
2	1-Pentene	70	C5H10	000109-67-1	49
3	Cyclobutanone	70	C4H6O	001191-95-3	38
4	1-Pentene	70	C5H10	000109-67-1	38
5	1-Pentene	70	C5H10	000109-67-1	28

****

Peak Number 8 Pentane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	9.19 ppbv	2354820	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl- $$ 3-Methylpenta	86	C6H14	000096-14-0	86
4	Oxirane, (1-methylethyl)- $$ Butane	86	C5H10O	001438-14-8	50
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	40

****

Peak Number 9 Pentane, 2,2-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.91	1.23 ppbv	316388	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
2	Pentane, 2,2-dimethyl- $$ 2,2-Dimet	100	C7H16	000590-35-2	72
3	Pentane, 2,2,4-trimethyl- $$ Isobut	114	C8H18	000540-84-1	47
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	45
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	43

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 10 Pentane, 2,4-dimethyl- $$ 2,4- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	10.28 ppbv	2633720	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl- $$ 2,4-Dimet	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	87
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64

****

Peak Number 11 Cyclopentane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	20.18 ppbv	5169870	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl- $$ Methylcycl	84	C6H12	000096-37-7	91
3	1H-Tetrazole, 5-methyl- $$ 5-Methyl	84	C2H4N4	004076-36-2	80
4	Cyclobutane, ethyl- $$ Ethylcyclobu	84	C6H12	004806-61-5	64
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	52

****

Peak Number 12 Pentane, 3,3-dimethyl- $$ 3,3- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	0.97 ppbv	248475	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3,3-dimethyl- $$ 3,3-Dimet	100	C7H16	000562-49-2	78
2	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	64
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53
4	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	47
5	Pentane, 3-bromo-	150	C5H11Br	001809-10-5	42

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 13 Pentane, 2,3-dimethyl- $$ 2,3- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	20.72 ppbv	5308870	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl- $$ 2,3-Dimet	100	C7H16	000565-59-3	95
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91

****

Peak Number 14 Cyclopentane, 1,1-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	5.94 ppbv	1521150	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	72
2	4-Pentenal, 2-methyl-	98	C6H10O	005187-71-3	53
3	Cyclopentane, 1,1-dimethyl- $$ Gem-	98	C7H14	001638-26-2	49
4	Cyclopentane, 1,1,2-trimethyl- $$ C	112	C8H16	004259-00-1	42
5	2-Chloro-2,4-dimethylpentane	134	C7H15Cl	035951-33-8	38

****

Peak Number 15 Pentane, 3-ethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	2.87 ppbv	735427	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-	100	C7H16	000617-78-7	64
2	Pentane, 3-ethyl- $$ 3-Ethylpentane	100	C7H16	000617-78-7	64
3	Pyrrolidine	71	C4H9N	000123-75-1	53
4	Hexane, 2,3-dimethyl- $$ 2,3-Dimeth	114	C8H18	000584-94-1	45
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	40

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 16 Butane, 2,2,3,3-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	23.95 ppbv	10022700	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
4	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	64

****

Peak Number 17 Butane, 2,2,3,3-tetramethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	0.50 ppbv	209784	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
2	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	78
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72

****

Peak Number 18 Hexane, 2,5-dimethyl- $$ Biiso Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.46 ppbv	1030100	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	87
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	72
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	68
4	Heptane, 2-methyl- $$ 2-Methylhepta	114	C8H18	000592-27-8	52
5	Heptane, 2-methyl-	114	C8H18	000592-27-8	47

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 19 Cyclopentane, 1,1,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	7.73 ppbv	3234470	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	50
2	Cyclopentane, 1,1,3-trimethyl- $$ 1	112	C8H16	004516-69-2	50
3	Cyclopentane, 1,1-dimethyl- $$ Gem-	98	C7H14	001638-26-2	43
4	Hexane, 1-(hexyloxy)-3-methyl-	200	C13H28O	074421-18-4	37
5	Butane, 2,2,3-trimethyl- $$ Triptan	100	C7H16	000464-06-2	35

****

Peak Number 20 Cyclohexane, methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	39.21 ppbv	16412500	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	78
4	Furan, 2,5-dihydro-2,5-dimethyl-	98	C6H10O	059242-27-2	59
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	59

****

Peak Number 21 Cyclopentane, ethyl- $$ Ethylc Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	3.11 ppbv	1303160	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl- $$ Ethylcyclop	98	C7H14	001640-89-7	95
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	78
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	55
4	Cyclopentane, ethyl-	98	C7H14	001640-89-7	46
5	1-Heptene	98	C7H14	000592-76-7	38

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 22 Cyclopentane, 1,2,4-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	2.92 ppbv	1223920	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
2	Cyclopentane, 1,2,4-trimethyl-, (1.	112	C8H16	004850-28-6	72
3	Cyclobutanone, 2,2,3-trimethyl- $$	112	C7H12O	001449-49-6	50
4	2-Azetidinone, 3,4,4-trimethyl-	113	C6H11NO	022607-01-8	42
5	Cyclobutane, 2-ethyl-1-methyl-3-pro	140	C10H20	061233-72-5	40

****

Peak Number 23 1-Hexene, 4-ethyl- $$ 4-Ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	6.61 ppbv	2764850	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4-ethyl- $$ 4-Ethyl-1-hex	112	C8H16	016746-85-3	74
2	Cyclopentane, 1,2,3-trimethyl-, (1.	112	C8H16	002613-69-6	60
3	1-Heptene, 4-methyl- $$ 4-Methyl-1-	112	C8H16	013151-05-8	59
4	Pentane, 2,3,4-trimethyl- $$ 2,3,4-	114	C8H18	000565-75-3	49
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	47

****

Peak Number 24 Hexane, 2,5-dimethyl- $$ Biiso Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	9.53 ppbv	3990800	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	87
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	83
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	47

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 25 Heptane, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	5.09 ppbv	2130760	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	87
2	Heptane, 3-methyl- $$ 3-Methylhepta	114	C8H18	000589-81-1	72
3	Hexane, 2,4-dimethyl- $$ 2,4-Dimeth	114	C8H18	000589-43-5	53
4	Butane, 2,2,3-trimethyl- $$ Triptan	100	C7H16	000464-06-2	50
5	Hexane, 3-ethyl- $$ 3-Ethylhexane	114	C8H18	000619-99-8	47

****

Peak Number 26 Hexane, 2,2,5-trimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	1.27 ppbv	532046	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	64
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59
4	Hexane, 2,2,4-trimethyl- $$ 2,2,4-T	128	C9H20	016747-26-5	50
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	50

****

Peak Number 27 Cyclohexane, 1,3-dimethyl- $$ Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	8.08 ppbv	3381820	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl- $$ 1,3-D	112	C8H16	000591-21-9	95
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94
3	Cyclohexane, 1,3-dimethyl-, cis- $$	112	C8H16	000638-04-0	93
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 28 Octane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	8.17 ppbv	3420870	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	87
2	Octane	114	C8H18	000111-65-9	83
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	78
4	Octane	114	C8H18	000111-65-9	72
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72

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Peak Number 29 1.alpha.,2.beta.,3.alpha.,4.be Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	0.40 ppbv	220533	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1.alpha.,2.beta.,3.alpha.,4.beta.-T	126	C9H18	002532-67-4	43
2	Cyclooctane, 1,4-dimethyl-, trans-	140	C10H20	013151-98-9	40
3	Cyclohexane, 1,1,2-trimethyl- $$ 1,	126	C9H18	007094-26-0	35
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	35
5	2-Heptene, 2,6-dimethyl-	126	C9H18	005557-98-2	35

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Peak Number 30 Cyclohexane, 1,2-dimethyl-, tr Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	2.62 ppbv	1440850	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 31 Cyclohexane, 1,4-dimethyl-, ci Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	1.26 ppbv	695640	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	94
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87
5	Cyclohexane, 1,4-dimethyl- $$ p-Dim	112	C8H16	000589-90-2	83

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Peak Number 32 Heptane, 2,6-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	0.77 ppbv	421746	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	62
2	Octane, 2-methyl- $$ 2-Methyloctane	128	C9H20	003221-61-2	59
3	Decane, 2-methyl-	156	C11H24	006975-98-0	59
4	Ether, hexyl pentyl $$ Hexane, 1-(p	172	C11H24O	032357-83-8	59
5	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	59

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Peak Number 33 Heptane, 2,5-dimethyl- $$ 2,5- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	0.46 ppbv	254338	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl- $$ 2,5-Dimet	128	C9H20	002216-30-0	90
2	Octane, 3-methyl- $$ 3-Methyloctane	128	C9H20	002216-33-3	80
3	Heptane, 3,5-dimethyl- $$ 3,5-Dimet	128	C9H20	000926-82-9	59
4	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	58

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 34 Cyclopentane, propyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	0.40 ppbv	220957	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, propyl-	112	C8H16	002040-96-2	70
2	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	58
3	Cyclopentane, propyl- $$ n-Propylcy	112	C8H16	002040-96-2	49
4	Cyclopentane, propyl-	112	C8H16	002040-96-2	45
5	1.alpha.,2.beta.,3.alpha.,4.beta.-T	126	C9H18	002532-67-4	43

****

Peak Number 35 Cyclohexane, ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	3.19 ppbv	1757060	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	95
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
5	Cyclohexane, ethyl- $$ Ethylcyclohe	112	C8H16	001678-91-7	91

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Peak Number 36 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	1.47 ppbv	812052	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	47
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	28
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	9
4	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	9
5	1,1,4-Trimethylcyclohexane $$ Cyclo	126	C9H18	007094-27-1	9

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 37 Heptane, 2,3-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	1.10 ppbv	606402	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	62
2	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	59
3	Heptane, 2,3-dimethyl- $$ 2,3-Dimet	128	C9H20	003074-71-3	58
4	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	53
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	52

****

Peak Number 38 Octane, 4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	1.77 ppbv	977298	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	64
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
3	Heptane, 2,6-dimethyl- $$ 2,6-Dimet	128	C9H20	001072-05-5	53
4	Hydroxylamine, O-decyl- $$ O-Decylh	173	C10H23NO	029812-79-1	50
5	Hexane, 3-ethyl- $$ 3-Ethylhexane	114	C8H18	000619-99-8	47

****

Peak Number 39 Octane, 3-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	1.72 ppbv	944810	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	53
2	Heptane, 2,5-dimethyl- $$ 2,5-Dimet	128	C9H20	002216-30-0	46
3	Octane, 3-methyl- $$ 3-Methyloctane	128	C9H20	002216-33-3	43
4	Heptane, 3-ethyl-2-methyl- $$ 2-Met	142	C10H22	014676-29-0	38
5	Heptane, 3-ethyl- $$ 3-Ethylheptane	128	C9H20	015869-80-4	38

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 40 1-Ethyl-4-methylcyclohexane Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	0.63 ppbv	347988	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	94
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	94
3	4-Octen-3-one $$ Oct-4-en-3-one	126	C8H14O	014129-48-7	80
4	4-Octen-3-one	126	C8H14O	014129-48-7	80
5	cis-1-Ethyl-3-methyl-cyclohexane $$	126	C9H18	019489-10-2	70

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Peak Number 41 4-Ethylcyclohexanol $$ 4-Ethyl Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.25	0.37 ppbv	203843	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Ethylcyclohexanol $$ 4-Ethylcyclo	128	C8H16O	004534-74-1	42
2	Cyclohexanol, 4-(1-methylethyl)- $$	142	C9H18O	004621-04-9	37
3	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	37
4	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	32
5	4-Ethylcyclohexene	110	C8H14	003742-42-5	32

****

Peak Number 42 Nonane, 3-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	0.52 ppbv	288541	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	83
2	Nonane, 3-methyl- $$ 3-Methylnonane	142	C10H22	005911-04-6	83
3	Octane, 3,6-dimethyl- $$ 3,6-Dimeth	142	C10H22	015869-94-0	83
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	78
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 43 Cycloheptanol, 2-methylene Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	0.44 ppbv	241018	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptanol, 2-methylene	126	C8H14O	016240-38-3	47
2	Cyclohexane, (1-methylethyl)- $$ Cy	126	C9H18	000696-29-7	46
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43

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Peak Number 44 Cyclohexane, (1-methylethyl)- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	0.84 ppbv	459904	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
3	Cyclohexane, propyl- $$ Propylcyclo	126	C9H18	001678-92-8	70
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	52
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	52

****

Peak Number 45 Cyclohexane, 1,1,2,3-tetrameth Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	0.42 ppbv	230576	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	43
2	2-n-Propylthiane, S,S-dioxide	176	C8H16O2S	000000-00-0	38
3	3-Nonene, 2-methyl-	140	C10H20	053966-53-3	38
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	38
5	Cyclopentane, ethyl-	98	C7H14	001640-89-7	35

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 46 Benzene, (1-methylethyl)- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	0.53 ppbv	290146	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	93
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	93
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	90
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	83
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	80

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Peak Number 47 Cyclohexane, 1,1,2,3-tetrameth Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	0.37 ppbv	202125	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	64
2	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	59
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	53
4	Nonane, 3-methylene-	140	C10H20	051655-64-2	50
5	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	000000-00-0	38

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Peak Number 48 Decane Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	0.94 ppbv	515090	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	93
2	Decane	142	C10H22	000124-18-5	90
3	Dotriacontane	451	C32H66	000544-85-4	64
4	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	59
5	Tridecane	184	C13H28	000629-50-5	59

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 49 Benzene, 1,3,5-trimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	0.48 ppbv	262521	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	93
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90

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Peak Number 50 Cyclohexane, butyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	0.67 ppbv	366775	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	94
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
3	Cyclohexane, butyl- $$ n-Butylcyclo	140	C10H20	001678-93-9	90
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	87

Tentatively Identified Compound (LSC) summary

Operator ID: Michael Truchan Date Acquired: 18 Mar 2011 4:22 am
Data File: C:\HPCHEM\1\DATA\031711\03171128.D
Name: 1103120-002A
Misc: SAMP EPA_TO15-ug/m3
Method: C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title: TO15 ppbv
Library Searched: C:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	5.36	34.4	ppbv	8818740	ISTD01	10.76	3202570	12.5
1-Propene, 2-methyl-	6.31	0.8	ppbv	214584	ISTD01	10.76	3202570	12.5
Butane, 2-methyl-	7.19	4.0	ppbv	1017630	ISTD01	10.76	3202570	12.5
Pentane $$ n-Pentane	7.56	3.4	ppbv	878725	ISTD01	10.76	3202570	12.5
Butane, 2,2-dimethyl	8.18	0.9	ppbv	231309	ISTD01	10.76	3202570	12.5
Pentane, 2-methyl-	8.77	20.3	ppbv	5200710	ISTD01	10.76	3202570	12.5
Cyclopentane $$ Pent	8.93	2.3	ppbv	579225	ISTD01	10.76	3202570	12.5
Pentane, 3-methyl-	9.09	9.2	ppbv	2354820	ISTD01	10.76	3202570	12.5
Pentane, 2,2-dimethy	9.91	1.2	ppbv	316388	ISTD01	10.76	3202570	12.5
Pentane, 2,4-dimethy	10.01	10.3	ppbv	2633720	ISTD01	10.76	3202570	12.5
Cyclopentane, methyl	10.21	20.2	ppbv	5169870	ISTD01	10.76	3202570	12.5
Pentane, 3,3-dimethy	10.69	1.0	ppbv	248475	ISTD01	10.76	3202570	12.5
Pentane, 2,3-dimethy	10.96	20.7	ppbv	5308870	ISTD01	10.76	3202570	12.5
Cyclopentane, 1,1-di	11.21	5.9	ppbv	1521150	ISTD01	10.76	3202570	12.5
Pentane, 3-ethyl-	11.30	2.9	ppbv	735427	ISTD01	10.76	3202570	12.5
Butane, 2,2,3,3-tetr	11.36	23.9	ppbv	10022700	ISTD02	11.86	5231950	12.5
Butane, 2,2,3,3-tetr	12.01	0.5	ppbv	209784	ISTD02	11.86	5231950	12.5
Hexane, 2,5-dimethyl	12.20	2.5	ppbv	1030100	ISTD02	11.86	5231950	12.5
Cyclopentane, 1,1,3-	12.28	7.7	ppbv	3234470	ISTD02	11.86	5231950	12.5
Cyclohexane, methyl-	12.39	39.2	ppbv	16412500	ISTD02	11.86	5231950	12.5
Cyclopentane, ethyl-	12.57	3.1	ppbv	1303160	ISTD02	11.86	5231950	12.5
Cyclopentane, 1,2,4-	12.62	2.9	ppbv	1223920	ISTD02	11.86	5231950	12.5
1-Hexene, 4-ethyl- $	12.80	6.6	ppbv	2764850	ISTD02	11.86	5231950	12.5
Hexane, 2,5-dimethyl	12.94	9.5	ppbv	3990800	ISTD02	11.86	5231950	12.5
Heptane, 3-methyl-	13.15	5.1	ppbv	2130760	ISTD02	11.86	5231950	12.5
Hexane, 2,2,5-trimet	13.34	1.3	ppbv	532046	ISTD02	11.86	5231950	12.5
Cyclohexane, 1,3-dim	13.57	8.1	ppbv	3381820	ISTD02	11.86	5231950	12.5
Octane	13.67	8.2	ppbv	3420870	ISTD02	11.86	5231950	12.5
1.alpha.,2.beta.,3.a	13.93	0.4	ppbv	220533	ISTD03	15.71	6884540	12.5
Cyclohexane, 1,2-dim	14.08	2.6	ppbv	1440850	ISTD03	15.71	6884540	12.5
Cyclohexane, 1,4-dim	14.20	1.3	ppbv	695640	ISTD03	15.71	6884540	12.5
Heptane, 2,6-dimethy	14.28	0.8	ppbv	421746	ISTD03	15.71	6884540	12.5
Heptane, 2,5-dimethy	14.46	0.5	ppbv	254338	ISTD03	15.71	6884540	12.5
Cyclopentane, propyl	14.68	0.4	ppbv	220957	ISTD03	15.71	6884540	12.5
Cyclohexane, ethyl-	14.83	3.2	ppbv	1757060	ISTD03	15.71	6884540	12.5
Cyclohexane, 1,1,3-t	14.89	1.5	ppbv	812052	ISTD03	15.71	6884540	12.5
Heptane, 2,3-dimethy	14.95	1.1	ppbv	606402	ISTD03	15.71	6884540	12.5
Octane, 4-methyl-	15.02	1.8	ppbv	977298	ISTD03	15.71	6884540	12.5
Octane, 3-methyl-	15.20	1.7	ppbv	944810	ISTD03	15.71	6884540	12.5
1-Ethyl-4-methylcycl	15.90	0.6	ppbv	347988	ISTD03	15.71	6884540	12.5
4-Ethylcyclohexanol	16.25	0.4	ppbv	203843	ISTD03	15.71	6884540	12.5
Nonane, 3-methyl-	16.42	0.5	ppbv	288541	ISTD03	15.71	6884540	12.5
Cycloheptanol, 2-met	16.66	0.4	ppbv	241018	ISTD03	15.71	6884540	12.5
Cyclohexane, (1-meth	16.78	0.8	ppbv	459904	ISTD03	15.71	6884540	12.5
Cyclohexane, 1,1,2,3	16.89	0.4	ppbv	230576	ISTD03	15.71	6884540	12.5
Benzene, (1-methylet	17.02	0.5	ppbv	290146	ISTD03	15.71	6884540	12.5
Cyclohexane, 1,1,2,3	17.50	0.4	ppbv	202125	ISTD03	15.71	6884540	12.5
Decane	17.62	0.9	ppbv	515090	ISTD03	15.71	6884540	12.5
Benzene, 1,3,5-trime	17.86	0.5	ppbv	262521	ISTD03	15.71	6884540	12.5
Cyclohexane, butyl-	18.70	0.7	ppbv	366775	ISTD03	15.71	6884540	12.5

03171128.D 031611V1.M Wed Apr 13 15:46:18 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:15 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	703011	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2440720	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.72	117	1838168	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1172232	12.72	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 101.76%				
Target Compounds							Qvalue
2) Propylene	5.69	41	157086	2.98	ppbv	#	81
11) Ethanol	7.75	45	7876	0.67	ppbv	#	76
14) Acetone	8.37	43	1467671	16.94	ppbv	#	90
16) 2-Propanol	8.43	45	107674	1.73	ppbv	#	1
20) n-Hexane	9.39	57	1378386	13.43	ppbv		99
24) 2-Butanone	10.43	43	285954	3.20	ppbv		92
29) Cyclohexane	11.04	56	2072523	19.94	ppbv	#	78
31) Benzene	11.48	78	1064096	6.12	ppbv		94
34) Heptane -	11.52	43	2443196	20.73	ppbv	#	95
41) Toluene	13.80	91	3369323	18.32	ppbv		98
50) Ethylbenzene	15.80	91	301156	1.41	ppbv		96
51) m,p-Xylene	15.95	91	546766	3.30	ppbv		96
52) o-Xylene	16.55	91	196412	1.22	ppbv	#	88
57) 4-Ethyltoluene	17.74	105	101231	0.53	ppbv		98

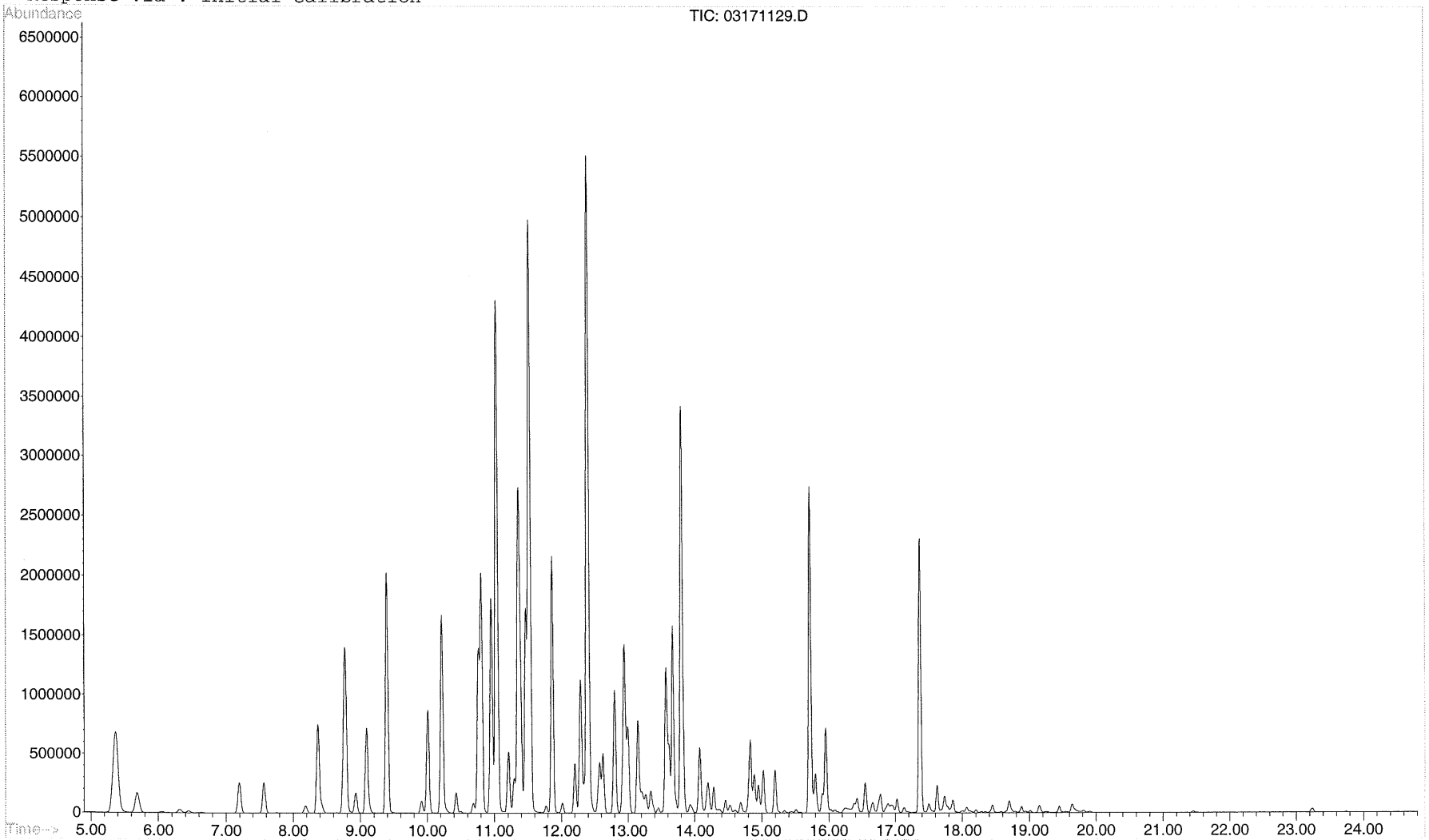
- = data NOT reported CL 9/15/11

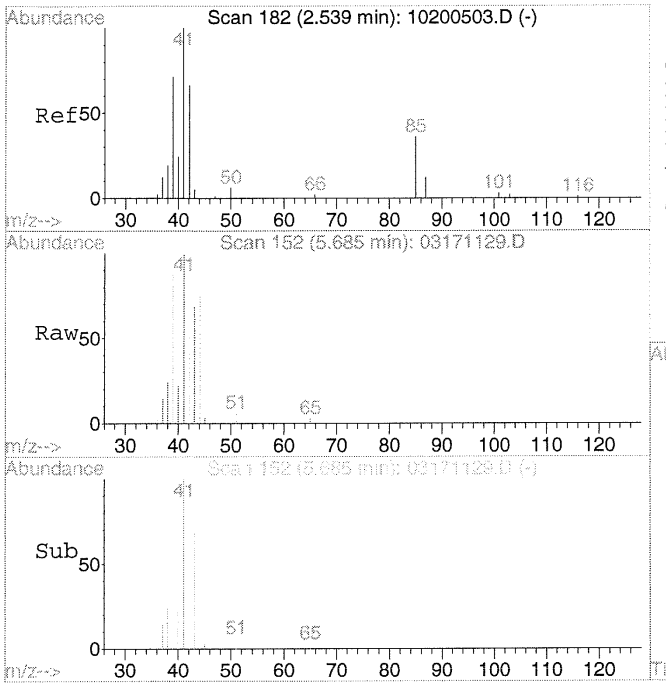
(#) = qualifier out of range (m) = manual integration
03171129.D 031611V1.M Wed Apr 13 15:46:53 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:15 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

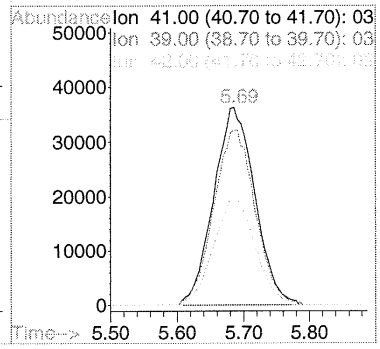


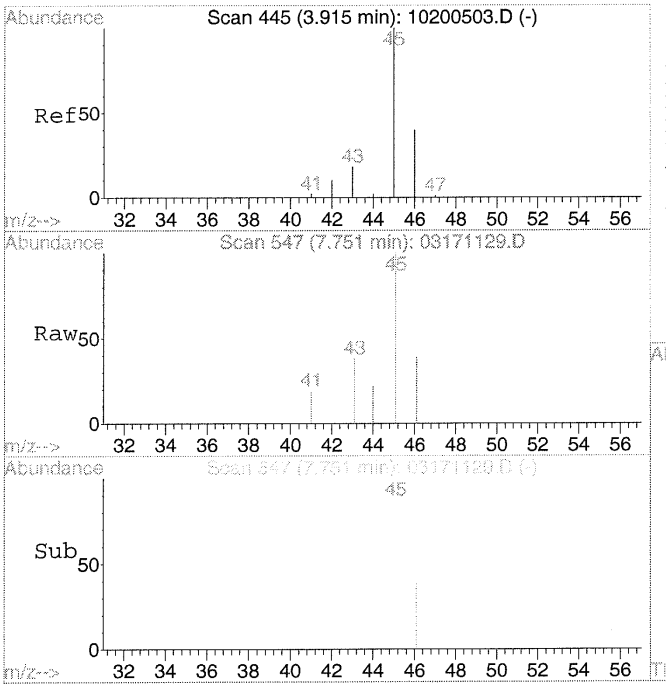


#2
Propylene
Concen: 2.98 ppbv
RT: 5.69 min Scan# 152
Delta R.T. 0.00 min
Lab File: 03171129.D
Acq: 18 Mar 2011 5:03 am

Tgt Ion: 41 Resp: 157086

Ion	Ratio	Lower	Upper
41	100		
39	89.5	57.6	86.4#
42	54.3	54.0	81.0

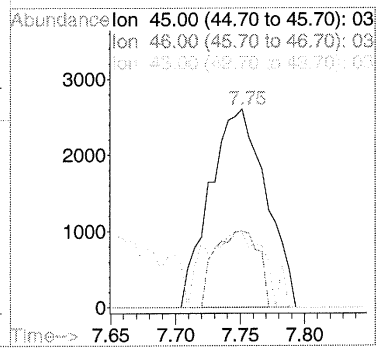


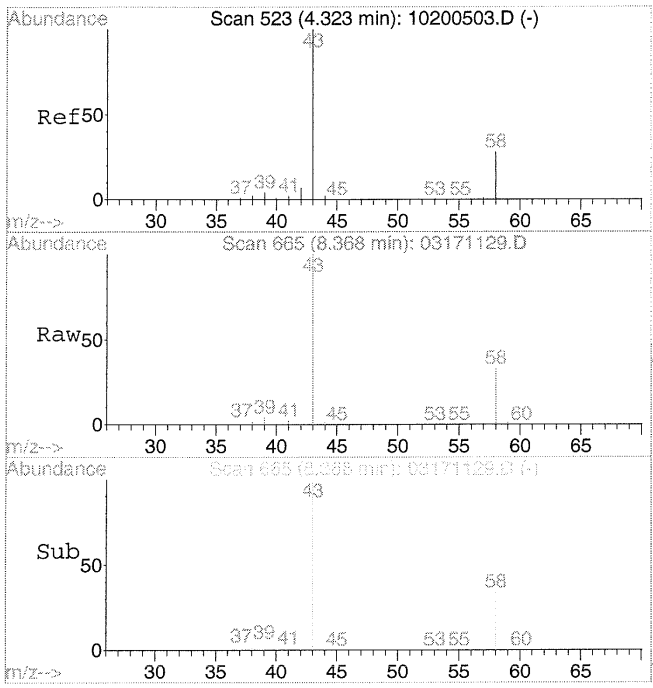


#11
Ethanol
Concen: 0.67 ppbv
RT: 7.75 min Scan# 547
Delta R.T. 0.02 min
Lab File: 03171129.D
Acq: 18 Mar 2011 5:03 am

Tgt Ion: 45 Resp: 7876

Ion	Ratio	Lower	Upper
45	100		
46	30.3	30.2	45.4
43	40.5	15.8	23.6#

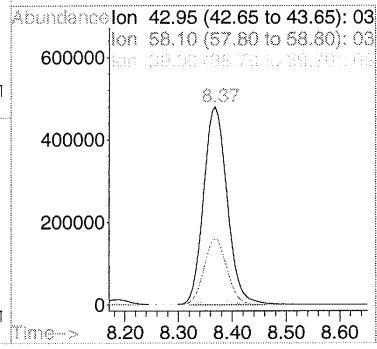


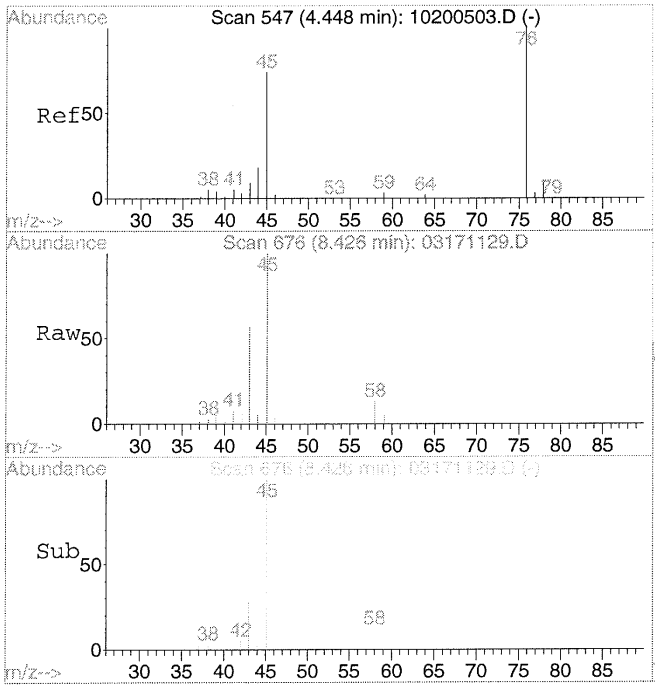


#14
Acetone
Concen: 16.94 ppbv
RT: 8.37 min Scan# 665
Delta R.T. 0.01 min
Lab File: 03171129.D
Acq: 18 Mar 2011 5:03 am

Tgt Ion: 43 Resp: 1467671

Ion	Ratio	Lower	Upper
43	100		
58	32.5	22.0	33.0
39	4.2	6.5	9.7#

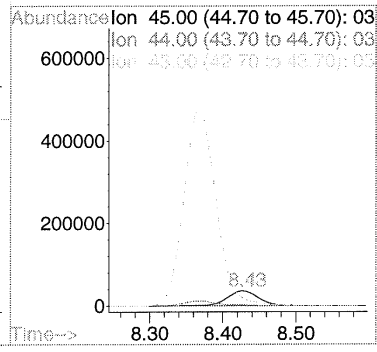


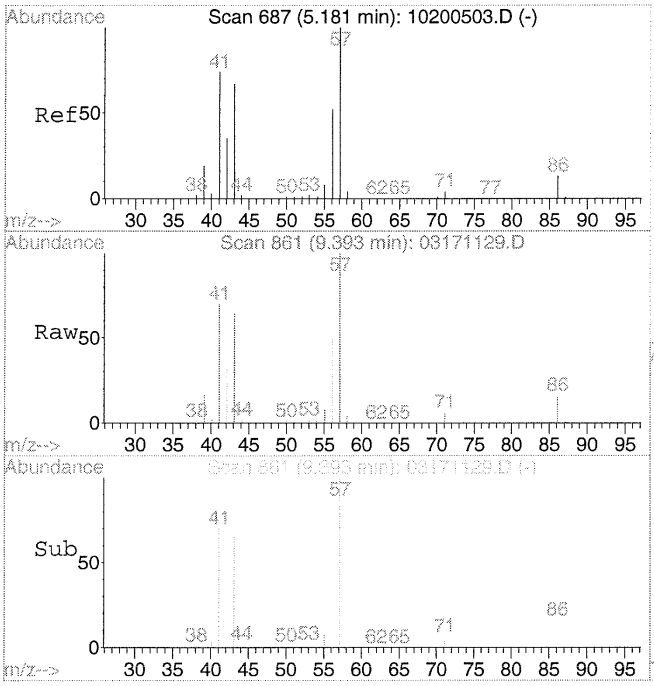


#16
2-Propanol
Concen: 1.73 ppbv
RT: 8.43 min Scan# 676
Delta R.T. 0.03 min
Lab File: 03171129.D
Acq: 18 Mar 2011 5:03 am

Tgt Ion: 45 Resp: 107674

Ion	Ratio	Lower	Upper
45	100		
44	0.0	5.2	7.8#
43	0.0	101.1	151.7#

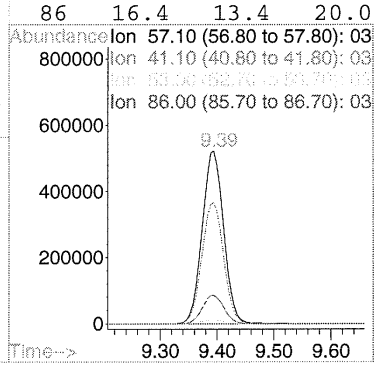


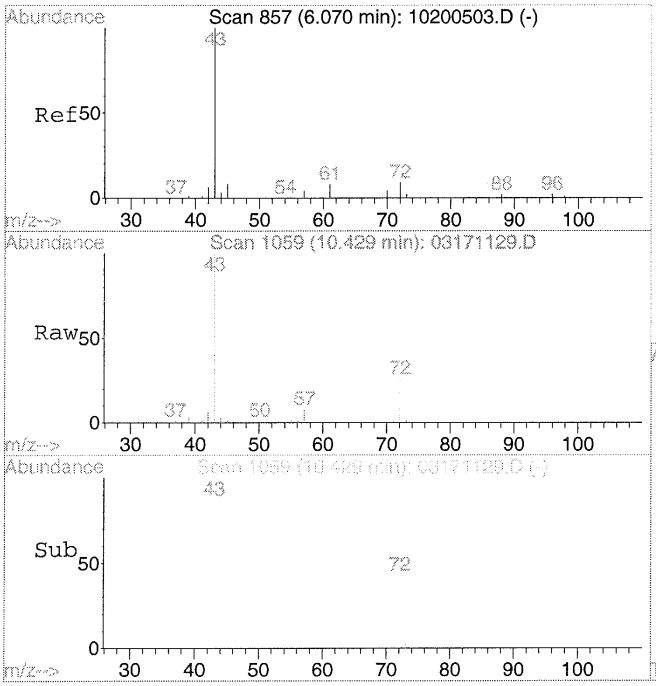


#20
n-Hexane
Concen: 13.43 ppbv
RT: 9.39 min Scan# 861
Delta R.T. -0.00 min
Lab File: 03171129.D
Acq: 18 Mar 2011 5:03 am

Tgt Ion: 57 Resp: 1378386

Ion	Ratio	Lower	Upper
57	100		
41	70.6	57.2	85.8
53	2.2	1.8	2.8
86	16.4	13.4	20.0

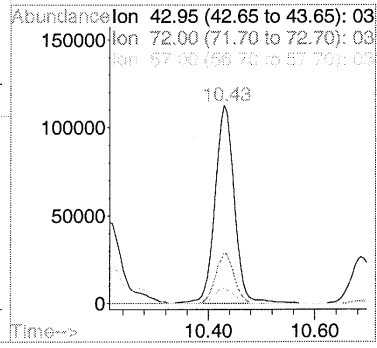


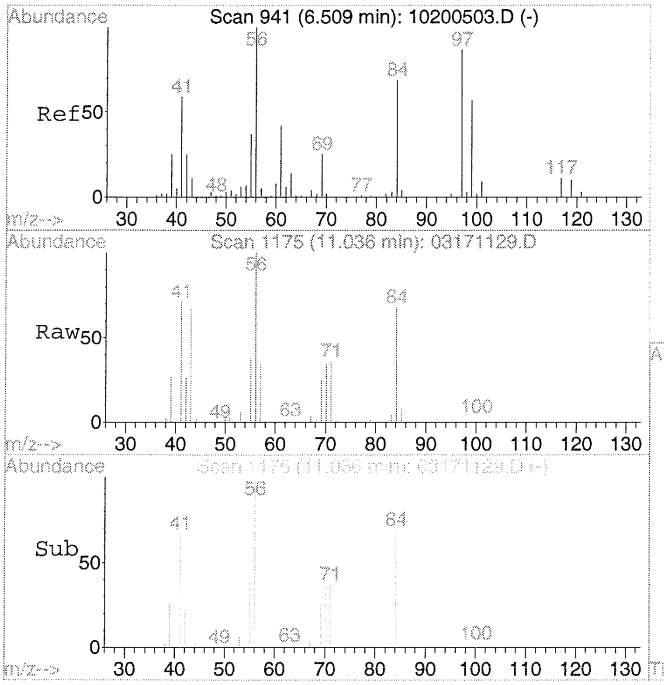


#24
2-Butanone
Concen: 3.20 ppbv
RT: 10.43 min Scan# 1059
Delta R.T. 0.01 min
Lab File: 03171129.D
Acq: 18 Mar 2011 5:03 am

Tgt Ion: 43 Resp: 285954

Ion	Ratio	Lower	Upper
43	100		
72	24.4	23.4	35.2
57	7.5	6.9	10.3

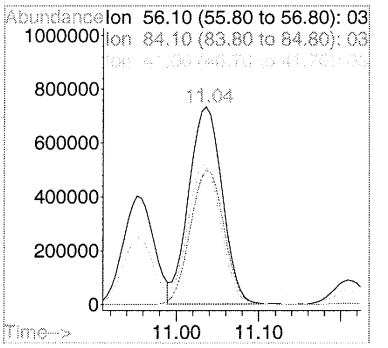


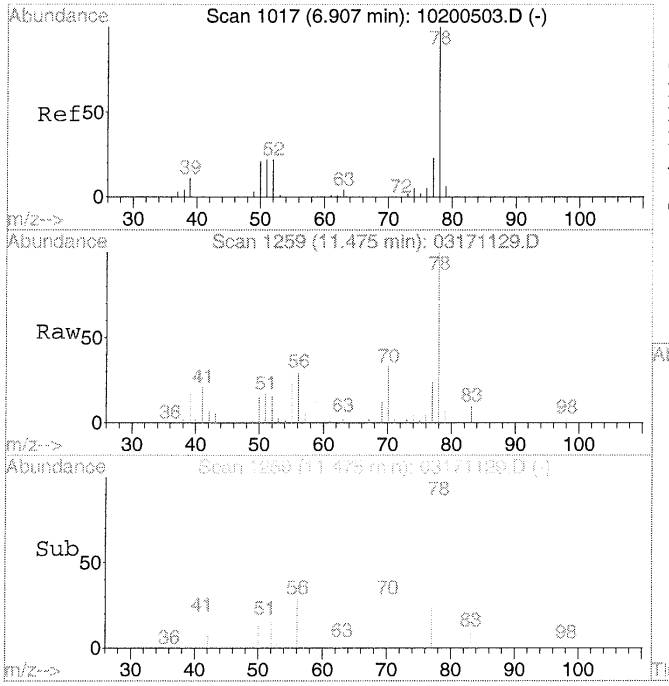


#29
Cyclohexane
Concen: 19.94 ppbv
RT: 11.04 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03171129.D
Acq: 18 Mar 2011 5:03 am

Tgt Ion: 56 Resp: 2072523

Ion	Ratio	Lower	Upper
56	100		
84	68.9	72.4	108.6#
41	70.5	43.8	65.8#

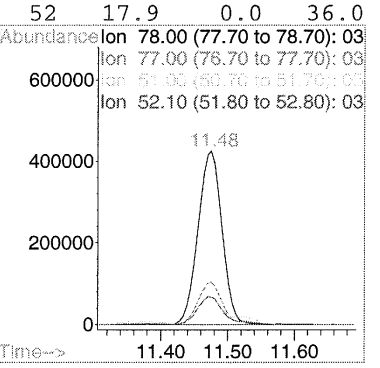


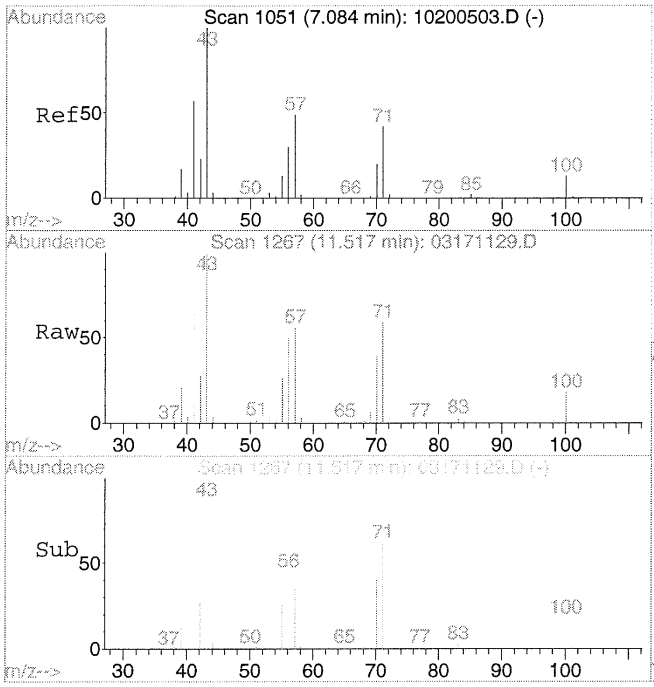


#31
Benzene
Concen: 6.12 ppbv
RT: 11.48 min Scan# 1259
Delta R.T. 0.01 min
Lab File: 03171129.D
Acq: 18 Mar 2011 5:03 am

Tgt Ion: 78 Resp: 1064096

Ion	Ratio	Lower	Upper
78	100		
77	25.3	3.7	43.7
51	21.4	0.0	36.1
52	17.9	0.0	36.0

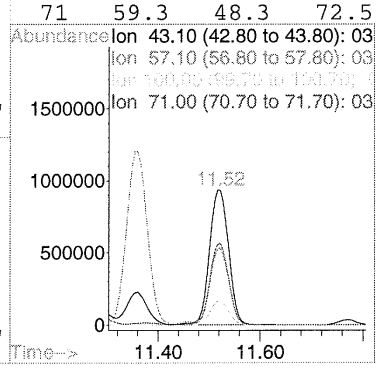


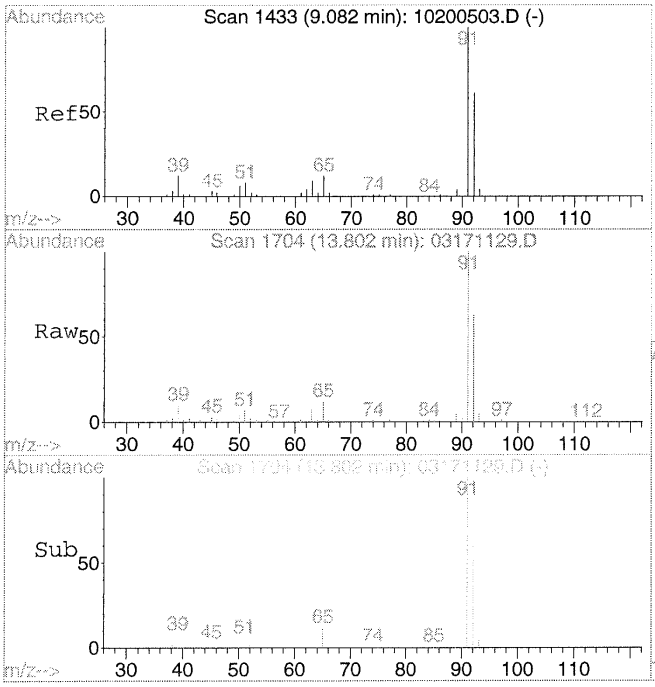


#34
Heptane
Concen: 20.73 ppbv
RT: 11.52 min Scan# 1267
Delta R.T. -0.01 min
Lab File: 03171129.D
Acq: 18 Mar 2011 5:03 am

Tgt Ion: 43 Resp: 2443196

Ion	Ratio	Lower	Upper
43	100		
57	57.6	42.2	63.4
100	17.2	17.3	25.9#
71	59.3	48.3	72.5

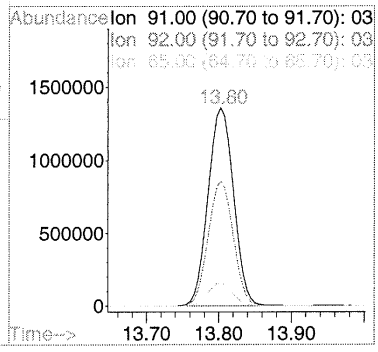


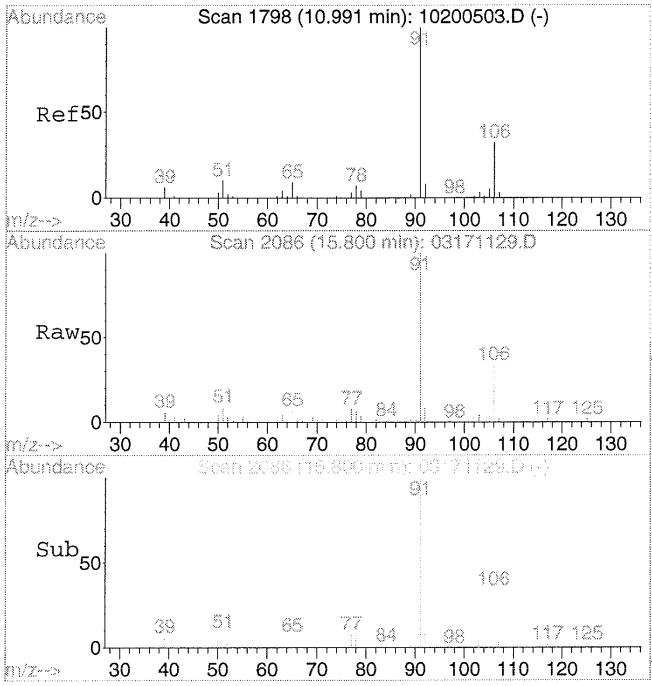


#41
Toluene
Concen: 18.32 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03171129.D
Acq: 18 Mar 2011 5:03 am

Tgt Ion: 91 Resp: 3369323

Ion	Ratio	Lower	Upper
91	100		
92	61.9	40.5	80.5
65	11.4	0.0	31.2

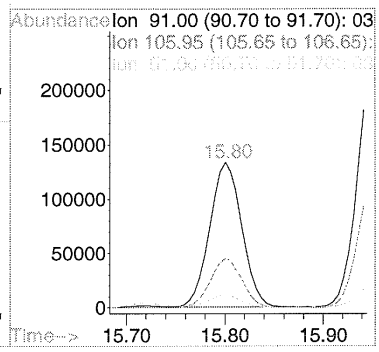


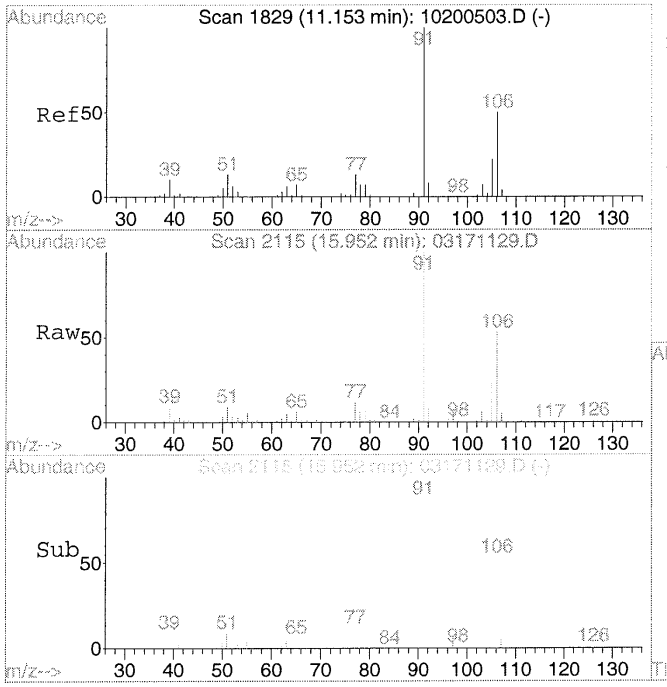


#50
Ethylbenzene
Concen: 1.41 ppbv
RT: 15.80 min Scan# 2086
Delta R.T. -0.00 min
Lab File: 03171129.D
Acq: 18 Mar 2011 5:03 am

Tgt Ion: 91 Resp: 301156

Ion	Ratio	Lower	Upper
91	100		
106	33.5	14.9	54.9
51	9.3	0.0	33.1

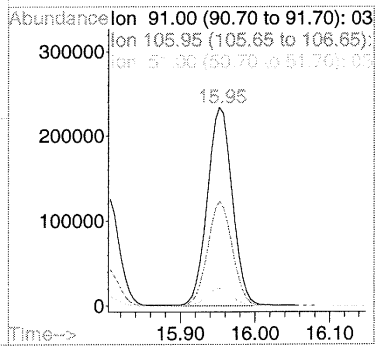


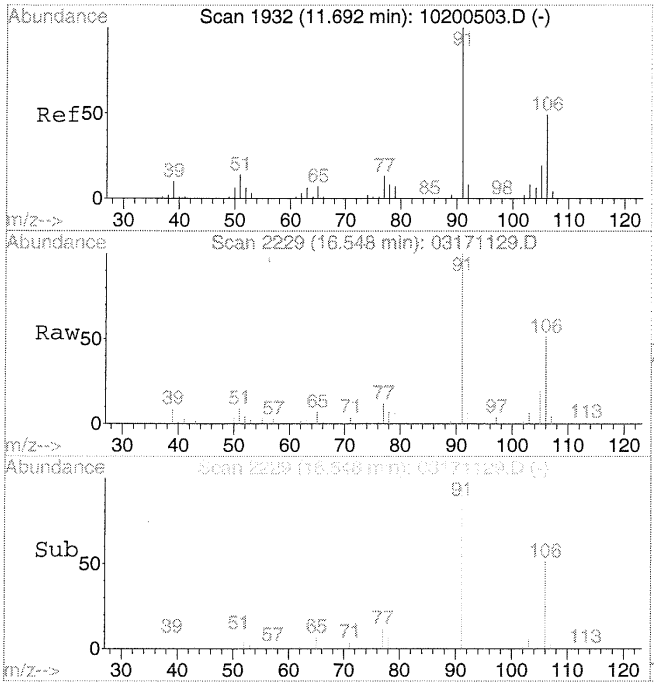


#51
m,p-Xylene
Concen: 3.30 ppbv
RT: 15.95 min Scan# 2115
Delta R.T. -0.01 min
Lab File: 03171129.D
Acq: 18 Mar 2011 5:03 am

Tgt Ion: 91 Resp: 546766

Ion	Ratio	Lower	Upper
91	100		
106	51.9	35.6	75.6
51	9.2	0.0	29.6

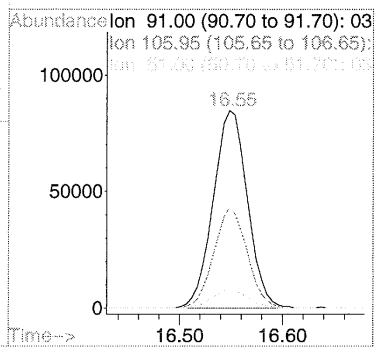


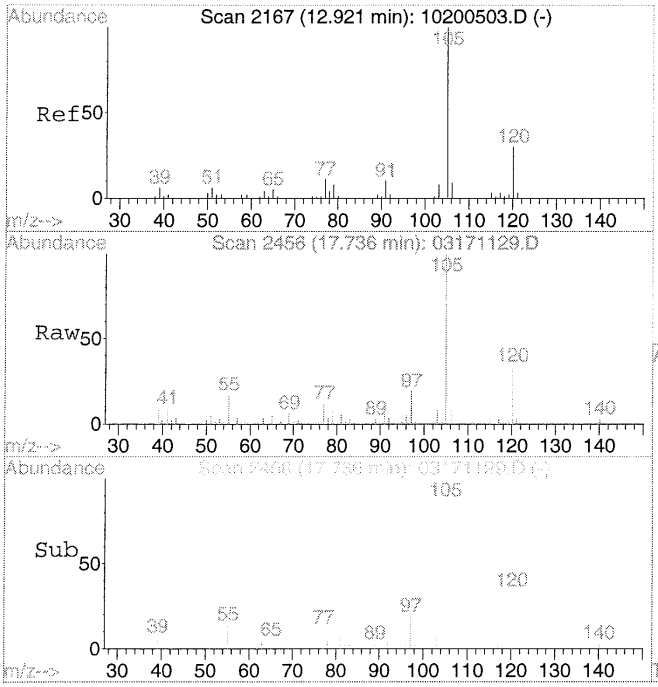


#52
o-Xylene
Concen: 1.22 ppbv
RT: 16.55 min Scan# 2229
Delta R.T. -0.00 min
Lab File: 03171129.D
Acq: 18 Mar 2011 5:03 am

Tgt Ion: 91 Resp: 196412

Ion	Ratio	Lower	Upper
91	100		
106	49.3	41.0	61.6
51	9.8	19.7	29.5#

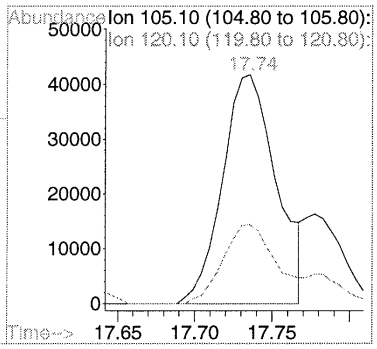




#57
4-Ethyltoluene
Concen: 0.53 ppbv
RT: 17.74 min Scan# 2456
Delta R.T. -0.05 min
Lab File: 03171129.D
Acq: 18 Mar 2011 5:03 am

Tgt Ion:105 Resp: 101231

Ion	Ratio	Lower	Upper
105	100		
120	33.7	26.0	39.0



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.361	63	90	129	rBV	681750	3781329	23.89%	2.305%
2	5.685	135	152	177	rVB2	165661	724635	4.58%	0.442%
3	7.192	427	440	456	rBV	252951	836970	5.29%	0.510%
4	7.563	495	511	528	rBV	255914	781926	4.94%	0.477%
5	8.185	618	630	642	rBV	63252	205176	1.30%	0.125%
6	8.368	651	665	694	rBV	754365	2424613	15.32%	1.478%
7	8.771	725	742	762	rBV3	1401964	4666521	29.48%	2.844%
8	8.933	762	773	787	rVB3	167352	487770	3.08%	0.297%
9	9.090	790	803	823	rBV	721515	2121866	13.41%	1.293%
10	9.393	846	861	880	rBV	2025017	5357148	33.85%	3.265%
11	9.911	949	960	968	rBV	101961	281193	1.78%	0.171%
12	10.005	968	978	997	rVB	872207	2364953	14.94%	1.441%
13	10.215	1004	1018	1046	rBV	1668533	4647512	29.36%	2.833%
14	10.429	1049	1059	1069	rBV	170677	415684	2.63%	0.253%
15	10.685	1097	1108	1113	rBV2	82428	210443	1.33%	0.128%
16	10.764	1113	1123	1126	rVV	1393983	3322517	20.99%	2.025%
17	10.806	1127	1131	1146	rVV	2020648	4597981	29.05%	2.802%
18	10.952	1146	1159	1166	rVV	1809223	4789886	30.26%	2.919%
19	11.036	1166	1175	1197	rVV2	4309622	12146863	76.74%	7.403%
20	11.208	1197	1208	1217	rVV	512390	1386070	8.76%	0.845%
21	11.292	1217	1224	1227	rVV	285871	627096	3.96%	0.382%
22	11.360	1227	1237	1250	rVV2	2727838	9537223	60.26%	5.813%
23	11.470	1250	1258	1261	rVV3	1722011	4054668	25.62%	2.471%
24	11.522	1261	1268	1292	rVB2	4977133	13726204	86.72%	8.366%
25	11.862	1322	1333	1352	rVV	2156207	5211232	32.92%	3.176%
26	12.014	1352	1362	1374	rVB2	82912	208962	1.32%	0.127%
27	12.197	1384	1397	1405	rBV	419793	1023910	6.47%	0.624%
28	12.286	1405	1414	1422	rVV	1128591	3092287	19.54%	1.885%
29	12.390	1424	1434	1455	rVV	5516509	15827733	100.00%	9.647%
30	12.573	1456	1469	1473	rVV2	430958	1206459	7.62%	0.735%
31	12.620	1473	1478	1491	rVB	505893	1247339	7.88%	0.760%
32	12.798	1499	1512	1526	rBV2	1038305	2736393	17.29%	1.668%
33	12.945	1526	1540	1546	rBV2	1416967	4087539	25.83%	2.491%
34	13.143	1567	1578	1588	rBV	785158	2176663	13.75%	1.327%
35	13.342	1609	1616	1630	rVB	182400	523649	3.31%	0.319%
36	13.572	1644	1660	1666	rBV2	1223438	3330450	21.04%	2.030%
37	13.672	1673	1679	1693	rVB	1538937	3429054	21.66%	2.090%
38	13.802	1693	1704	1720	rVB	3413000	9002403	56.88%	5.487%
39	13.933	1720	1729	1744	rVB4	67154	224123	1.42%	0.137%
40	14.074	1744	1756	1768	rBV3	549539	1466164	9.26%	0.894%
41	14.200	1769	1780	1789	rBV3	231829	657620	4.15%	0.401%
42	14.284	1789	1796	1805	rVB	192538	397356	2.51%	0.242%
43	14.456	1821	1829	1836	rBV	105365	240372	1.52%	0.147%

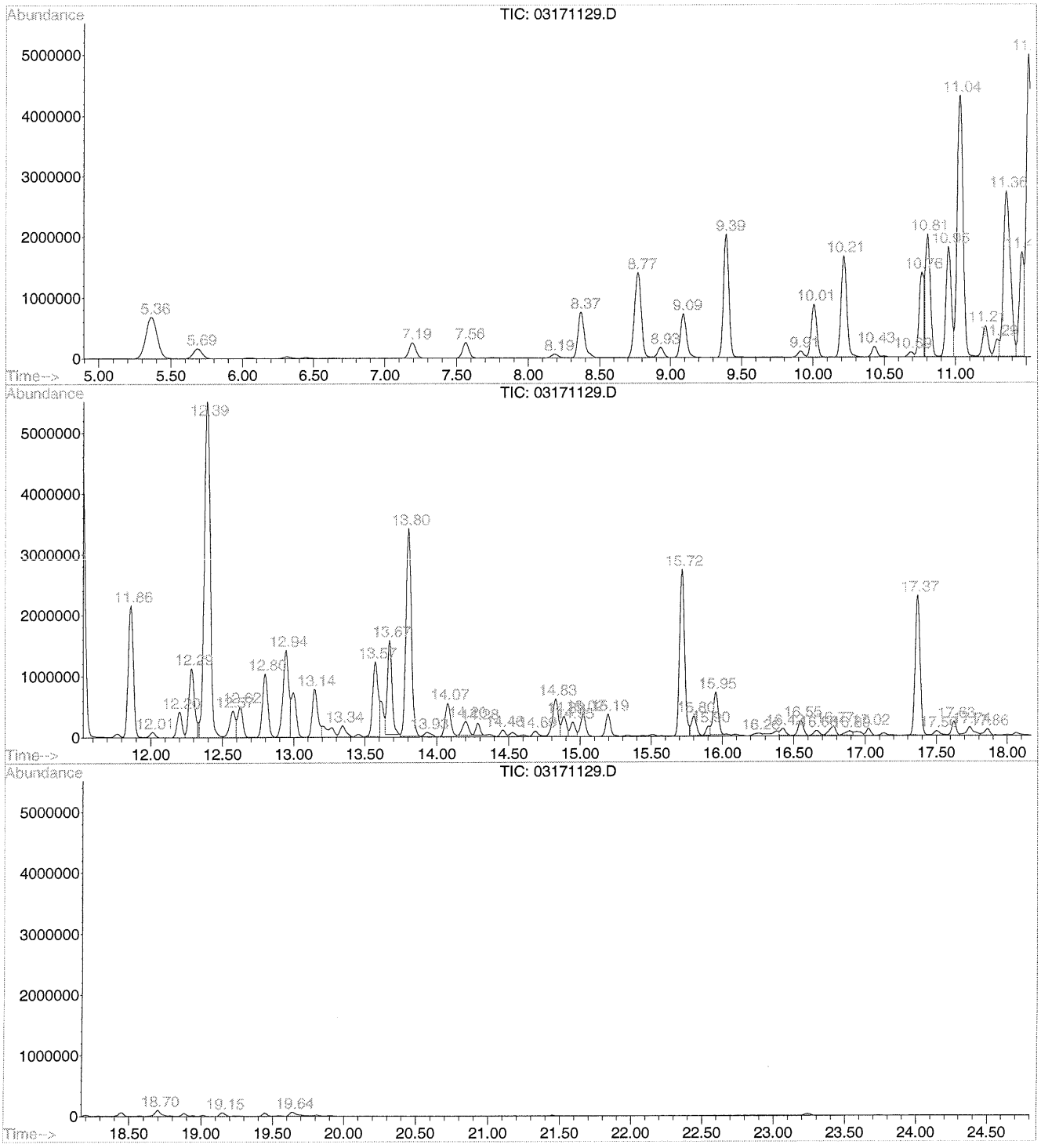
44	14.686	1864	1873	1886	rBV2	85739	214192	1.35%	0.131%
45	14.828	1886	1900	1906	rVV	614458	1689075	10.67%	1.029%
46	14.885	1906	1911	1917	rVV	321940	785271	4.96%	0.479%
47	14.948	1917	1923	1929	rVV2	232084	575772	3.64%	0.351%
48	15.021	1929	1937	1958	rVB	361103	932411	5.89%	0.568%
49	15.194	1958	1970	1988	rBV	365045	893993	5.65%	0.545%
50	15.717	2058	2070	2080	rBV	2739297	6741199	42.59%	4.109%
51	15.800	2081	2086	2097	rVB	319393	767191	4.85%	0.468%
52	15.905	2097	2106	2108	rBV	152275	302261	1.91%	0.184%
53	15.952	2108	2115	2126	rVB	695475	1743469	11.02%	1.063%
54	16.255	2158	2173	2178	rBV7	42466	163900	1.04%	0.100%
55	16.423	2200	2205	2217	rVB	113934	282416	1.78%	0.172%
56	16.548	2217	2229	2240	rVB	246534	617293	3.90%	0.376%
57	16.658	2240	2250	2259	rBV4	82071	225720	1.43%	0.138%
58	16.773	2259	2272	2281	rVB5	147366	446791	2.82%	0.272%
59	16.888	2281	2294	2299	rBV9	68490	225627	1.43%	0.138%
60	17.024	2313	2320	2330	rVB	112650	255664	1.62%	0.156%
61	17.369	2374	2386	2402	rBV	2297167	5501804	34.76%	3.353%
62	17.500	2402	2411	2426	rVV4	69823	196023	1.24%	0.119%
63	17.626	2426	2435	2443	rVV	225990	492565	3.11%	0.300%
64	17.736	2447	2456	2470	rVV2	135932	459989	2.91%	0.280%
65	17.861	2471	2480	2488	rVB	102696	262307	1.66%	0.160%
66	18.698	2622	2640	2653	rBV3	98990	301916	1.91%	0.184%
67	19.153	2715	2727	2736	rBV4	58167	163789	1.03%	0.100%
68	19.639	2809	2820	2840	rBV	66831	244855	1.55%	0.149%

Sum of corrected areas: 164071448

03171129.D 031611V1.M Wed Apr 13 15:47:03 2011

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\031711\03171129.D
Operator : Michael Truchan
Acquired : 18 Mar 2011 5:03 am using AcqMethod 031611V1
Instrument : GC/MS Ins
Sample Name: 1103120-003A
Misc Info : SAMP EPA_TO15-ug/m3
Vial Number: 16
Quant File :031611V1.RES (RTE Integrator)



03171129.D 031611V1.M Wed Apr 13 15:47:03 2011

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 1 Carbon dioxide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.36	14.23 ppbv	3781330	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide $$ Carbon oxide (CO2	44	CO2	000124-38-9	4
3	Nitrous Oxide	44	N2O	010024-97-2	3
4	Nitrous Oxide $$ Nitrogen oxide (N2	44	N2O	010024-97-2	3
5	Nitrous Oxide	44	N2O	010024-97-2	3

****

Peak Number 2 Butane, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	3.15 ppbv	836970	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	2,5-Furandione, dihydro-3-methyl- $	114	C5H6O3	004100-80-5	25
5	3-Buten-1-ol	72	C4H8O	000627-27-0	16

****

Peak Number 3 Pentane $$ n-Pentane $$ Skelly Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	2.94 ppbv	781926	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane $$ n-Pentane $$ Skellysolve	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	64
4	Oxirane, ethyl-	72	C4H8O	000106-88-7	42
5	Butane, 2-methyl-	72	C5H12	000078-78-4	39

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 4 Butane, 2,2-dimethyl- $$ Neohe Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.19	0.77 ppbv	205176	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl- $$ Neohexane	86	C6H14	000075-83-2	83
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	83
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	83
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
5	Heptane, 3,3-dimethyl-	128	C9H20	004032-86-4	50

****

Peak Number 5 Pentane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	17.56 ppbv	4666520	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Pentane, 2-methyl- $$ Isohexane $$	86	C6H14	000107-83-5	91
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	58
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	58

****

Peak Number 6 Cyclopentane $$ Pentamethylene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	1.84 ppbv	487770	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane $$ Pentamethylene $$ U	70	C5H10	000287-92-3	52
2	Cyclobutanone	70	C4H6O	001191-95-3	40
3	1-Pentene	70	C5H10	000109-67-1	38
4	2H-Pyran-2,6(3H)-dione, dihydro- $$	114	C5H6O3	000108-55-4	33
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	28

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 7 Pentane, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	7.98 ppbv	2121870	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl- $$ 3-Methylpenta	86	C6H14	000096-14-0	90
4	Oxirane, (1-methylethyl)- $$ Butane	86	C5H10O	001438-14-8	50
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	40

****

Peak Number 8 Pentane, 2,2-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.91	1.06 ppbv	281193	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
2	Pentane, 2,2-dimethyl- $$ 2,2-Dimet	100	C7H16	000590-35-2	72
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	59
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	50
5	Pentane, 2,2,4-trimethyl- $$ Isobut	114	C8H18	000540-84-1	47

****

Peak Number 9 Pentane, 2,4-dimethyl- $$ 2,4- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	8.90 ppbv	2364950	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl- $$ 2,4-Dimet	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	87
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 10 Cyclopentane, methyl- $$ Methy Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	17.48 ppbv	4647510	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl- $$ Methylcycl	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	Cyclobutane, ethyl- $$ Ethylcyclobu	84	C6H12	004806-61-5	64
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	52
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	52

****

Peak Number 11 Pentane, 3,3-dimethyl- $$ 3,3- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	0.79 ppbv	210443	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3,3-dimethyl- $$ 3,3-Dimet	100	C7H16	000562-49-2	83
2	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	64
3	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	64
4	Butane, 2-iodo-3-methyl-	198	C5H11I	000000-00-0	50
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	45

****

Peak Number 12 Pentane, 2,3-dimethyl- $$ 2,3- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	18.02 ppbv	4789890	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl- $$ 2,3-Dimet	100	C7H16	000565-59-3	95
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 13 Cyclopentane, 1,1-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	5.21 ppbv	1386070	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	72
2	4-Pentenal, 2-methyl-	98	C6H10O	005187-71-3	59
3	Cyclopentane, 1,1-dimethyl- $$ Gem-	98	C7H14	001638-26-2	46
4	Cyclopentane, 1,1,2-trimethyl- $$ C	112	C8H16	004259-00-1	42
5	2-Chloro-2,4-dimethylpentane	134	C7H15Cl	035951-33-8	37

****

Peak Number 14 Pentane, 3-ethyl- $$ 3-Ethylpe Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	2.36 ppbv	627096	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl- $$ 3-Ethylpentane	100	C7H16	000617-78-7	64
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	59
3	Pyrrolidine	71	C4H9N	000123-75-1	50
4	Pentane, 2,3,4-trimethyl- $$ 2,3,4-	114	C8H18	000565-75-3	45
5	Hexane, 2,3-dimethyl- $$ 2,3-Dimeth	114	C8H18	000584-94-1	45

****

Peak Number 15 Hexane, 2,2-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	22.88 ppbv	9537220	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	64
5	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	64

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 16 Butane, 2,2,3,3-tetramethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	0.50 ppbv	208962	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78
3	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	78
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72

****

Peak Number 17 Hexane, 2,5-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.46 ppbv	1023910	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	87
2	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	87
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	78
4	Heptane, 2-methyl- $$ 2-Methylhepta	114	C8H18	000592-27-8	52
5	1-Pyrrolidinecarboxaldehyde $$ N-Fo	99	C5H9NO	003760-54-1	47

****

Peak Number 18 Cyclopentane, 1,1,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	7.42 ppbv	3092290	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	50
2	Cyclopentane, 1,1-dimethyl- $$ Gem-	98	C7H14	001638-26-2	38
3	Hexane, 1-(hexyloxy)-3-methyl-	200	C13H28O	074421-18-4	37
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	35
5	Butane, 2,2,3-trimethyl- $$ Triptan	100	C7H16	000464-06-2	35

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 19 Cyclohexane, methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	37.97 ppbv	15827700	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	78
4	Furan, 2,5-dihydro-2,5-dimethyl-	98	C6H10O	059242-27-2	59
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	59

****

Peak Number 20 Cyclopentane, ethyl- $$ Ethylc Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	2.89 ppbv	1206460	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl- $$ Ethylcyclop	98	C7H14	001640-89-7	91
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	81
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	78
4	Cyclopentane, ethyl-	98	C7H14	001640-89-7	43
5	1-Hexanol, 4-methyl- $$ 4-Methylhex	116	C7H16O	000818-49-5	32

****

Peak Number 21 Cyclopentane, 1,2,4-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	2.99 ppbv	1247340	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	72
2	Cyclopentane, 1,2,4-trimethyl-, (1.	112	C8H16	016883-48-0	72
3	Cyclopentane, 1,2,4-trimethyl-, (1.	112	C8H16	004850-28-6	72
4	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	56
5	2-Azetidinone, 3,4,4-trimethyl-	113	C6H11NO	022607-01-8	42

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 22 1-Hexene, 4-ethyl- $$ 4-Ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	6.56 ppbv	2736390	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4-ethyl- $$ 4-Ethyl-1-hex	112	C8H16	016746-85-3	72
2	Cyclopentane, 1,2,3-trimethyl-, (1.	112	C8H16	002613-69-6	60
3	1-Heptene, 4-methyl- $$ 4-Methyl-1-	112	C8H16	013151-05-8	59
4	Cyclopentane, 1,2,3-trimethyl-, (1.	112	C8H16	002613-69-6	49
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	47

****

Peak Number 23 Hexane, 2,5-dimethyl- $$ Biiso Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	9.80 ppbv	4087540	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	90
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	83
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	47

****

Peak Number 24 Heptane, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	5.22 ppbv	2176660	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	87
2	Heptane, 3-methyl- $$ 3-Methylhepta	114	C8H18	000589-81-1	72
3	Hexane, 2,4-dimethyl- $$ 2,4-Dimeth	114	C8H18	000589-43-5	52
4	Hexane, 2-methyl- $$ 2-Methylhexane	100	C7H16	000591-76-4	50
5	Hexane, 3-ethyl- $$ 3-Ethylhexane	114	C8H18	000619-99-8	43

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 25 Hexane, 2,2,5-trimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	1.26 ppbv	523649	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	78
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	64
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59
5	Hexane, 2,2,4-trimethyl- $$ 2,2,4-T	128	C9H20	016747-26-5	56

****

Peak Number 26 Cyclohexane, 1,3-dimethyl- $$ Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	7.99 ppbv	3330450	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl- $$ 1,3-D	112	C8H16	000591-21-9	95
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94
3	Cyclohexane, 1,3-dimethyl-, cis- $$	112	C8H16	000638-04-0	93
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	86

****

Peak Number 27 Octane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	8.23 ppbv	3429050	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	83
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	78
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4	Heptane, 2,4-dimethyl- $$ 2,4-Dimet	128	C9H20	002213-23-2	72
5	Octane	114	C8H18	000111-65-9	64

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 28 1-Heptanol, 4-methyl- $$ 4-Met Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	0.42 ppbv	224123	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptanol, 4-methyl- $$ 4-Methyl-1	130	C8H18O	000817-91-4	45
2	Octane, 3-chloro- $$ 3-Chlorooctane	148	C8H17Cl	001117-79-9	43
3	Cyclohexane, 1,2,3-trimethyl-, (1.a	126	C9H18	001839-88-9	38
4	Cyclopentane, butyl- $$ Butylcyclop	126	C9H18	002040-95-1	37
5	Cycloheptanone, 3-methyl-, (R)- $$	126	C8H14O	013609-58-0	35

****

Peak Number 29 Cyclohexane, 1,2-dimethyl-, tr Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	2.72 ppbv	1466160	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	81

****

Peak Number 30 Cyclohexane, 1,4-dimethyl-, tr Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	1.22 ppbv	657620	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	96
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	93

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 31 Heptane, 2,6-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	0.74 ppbv	397356	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	62
2	Decane, 2-methyl-	156	C11H24	006975-98-0	56
3	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	53
4	Tetradecane	198	C14H30	000629-59-4	50
5	Hexadecane	226	C16H34	000544-76-3	50

****

Peak Number 32 Heptane, 2,5-dimethyl- $$ 2,5- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	0.45 ppbv	240372	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl- $$ 2,5-Dimet	128	C9H20	002216-30-0	91
2	Octane, 3-methyl- $$ 3-Methyloctane	128	C9H20	002216-33-3	87
3	Octane, 3-methyl-	128	C9H20	002216-33-3	80
4	Heptane, 3,5-dimethyl- $$ 3,5-Dimet	128	C9H20	000926-82-9	59
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59

****

Peak Number 33 Cyclopentane, propyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	0.40 ppbv	214192	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, propyl-	112	C8H16	002040-96-2	87
2	Cyclohexane, 1,3,5-trimethyl- $$ 1,	126	C9H18	001839-63-0	49
3	Cyclopentane, butyl-	126	C9H18	002040-95-1	49
4	Cyclopentane, (2-methylpropyl)- $$	126	C9H18	003788-32-7	47
5	trans-2-Methyl-3-octene	126	C9H18	052937-36-7	43

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 34 Cyclohexane, ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	3.13 ppbv	1689080	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	95
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
5	2-Hexene, 2,3-dimethyl- $$ 2,3-Dime	112	C8H16	007145-20-2	64

****

Peak Number 35 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	1.46 ppbv	785271	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	37
2	Cyclohexane, 1,1,3-trimethyl- $$ Cy	126	C9H18	003073-66-3	23
3	Cyclooctane, (1-methylpropyl)- $$ C	168	C12H24	016538-89-9	12
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	9
5	Cyclohexane, 1,3,5-trimethyl-, (1.a	126	C9H18	001795-26-2	9

****

Peak Number 36 Heptane, 2,3-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	1.07 ppbv	575772	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	58
2	Heptane, 2,3-dimethyl- $$ 2,3-Dimet	128	C9H20	003074-71-3	53
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	52
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 37 Octane, 4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	1.73 ppbv	932411	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	58
2	Nonane, 4,5-dimethyl- $$ 4,5-Dimeth	156	C11H24	017302-23-7	56
3	2,6-Dimethyldecane	170	C12H26	013150-81-7	56
4	Heptane	100	C7H16	000142-82-5	53
5	Octane, 4-methyl- $$ 4-Methyloctane	128	C9H20	002216-34-4	53

****

Peak Number 38 Octane, 3-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	1.66 ppbv	893993	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	49
2	Heptane, 2,5-dimethyl- $$ 2,5-Dimet	128	C9H20	002216-30-0	46
3	Octane, 3-methyl- $$ 3-Methyloctane	128	C9H20	002216-33-3	43
4	Heptane, 3-ethyl- $$ 3-Ethylheptane	128	C9H20	015869-80-4	38
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	35

****

Peak Number 39 Cyclohexene, 1-ethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.26	0.30 ppbv	163900	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	43
2	4-Ethylcyclohexanol $$ 4-Ethylcyclo	128	C8H16O	004534-74-1	42
3	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	32
4	2,4-Hexadienal, (E,E)-	96	C6H8O	000142-83-6	28
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	28

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 40 Octane, 3,6-dimethyl- $$ 3,6-D Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	0.52 ppbv	282416	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl- $$ 3,6-Dimeth	142	C10H22	015869-94-0	83
2	Octane, 2,6-dimethyl- $$ 2,6-Dimeth	142	C10H22	002051-30-1	72
3	Nonane, 3-methyl- $$ 3-Methylnonane	142	C10H22	005911-04-6	64
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
5	Undecane, 2,6-dimethyl- $$ 2,6-Dime	184	C13H28	017301-23-4	56

****

Peak Number 41 Cycloheptanol, 2-methylene Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	0.42 ppbv	225720	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptanol, 2-methylene	126	C8H14O	016240-38-3	46
2	Cyclohexane, (1-methylethyl)- $$ Cy	126	C9H18	000696-29-7	43
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	38

****

Peak Number 42 Cyclohexane, (1-methylethyl)- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	0.83 ppbv	446791	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)- $$ Cy	126	C9H18	000696-29-7	72
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	68
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	49
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	46
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	45

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 43 Cyclooctyl bromide $$ Cyclooct Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	0.42 ppbv	225627	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctyl bromide $$ Cyclooctane,	190	C8H15Br	001556-09-8	35
2	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	35
3	2-n-Propylthiane, S,S-dioxide	176	C8H16O2S	000000-00-0	35
4	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	35
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	27

****

Peak Number 44 Benzene, (1-methylethyl)- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	0.47 ppbv	255664	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	90
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	90
3	Benzene, 1,2,4-trimethyl- $$ .psi.-	120	C9H12	000095-63-6	87
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87

****

Peak Number 45 4-Nonene, 3-methyl-, (Z)- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	0.36 ppbv	196023	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	64
2	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	50
3	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	47
4	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	43
5	3-Ethyl-4-octene	140	C10H20	019781-32-9	38

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 46 Decane Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	0.91 ppbv	492565	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	90
2	Tetradecane	198	C14H30	000629-59-4	59
3	Undecane, 3-methyl- $$ 3-Methylunde	170	C12H26	001002-43-3	59
4	Decane $$ n-Decane $$ n-C10H22 $$ U	142	C10H22	000124-18-5	58
5	Decane	142	C10H22	000124-18-5	53

****

Peak Number 47 Benzene, 1,3,5-trimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	0.49 ppbv	262307	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	93
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90

****

Peak Number 48 Cyclohexane, butyl- $$ n-Butyl Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	0.56 ppbv	301916	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl- $$ n-Butylcyclo	140	C10H20	001678-93-9	94
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	94
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	94
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	93
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	87

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 49 Benzene, 1,3,5-trimethyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	0.30 ppbv	163789	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	55
2	Benzene, 1,2,4-trimethyl- $$ .psi.-	120	C9H12	000095-63-6	55
3	Benzene, 1,2,3-trimethyl- $$ Hemime	120	C9H12	000526-73-8	55
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	46
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	45

****

Peak Number 50 Phenol Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	0.45 ppbv	244855	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol	94	C6H6O	000108-95-2	90
2	Phenol	94	C6H6O	000108-95-2	87
3	Phenol	94	C6H6O	000108-95-2	87
4	Phosphonic acid, (p-hydroxyphenyl)-	174	C6H7O4P	033795-18-5	86
5	Acetic acid, phenyl ester $$ Phenol	136	C8H8O2	000122-79-2	64

Tentatively Identified Compound (LSC) summary

Operator ID: Michael Truchan Date Acquired: 18 Mar 2011 5:03 am
Data File: C:\HPCHEM\1\DATA\031711\03171129.D
Name: 1103120-003A
Misc: SAMP EPA_TO15-ug/m3
Method: C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title: TO15 ppbv
Library Searched: C:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	5.36	14.2	ppbv	3781330	ISTD01	10.76	3322520	12.5
Butane, 2-methyl-	7.19	3.1	ppbv	836970	ISTD01	10.76	3322520	12.5
Pentane $$ n-Pentane	7.56	2.9	ppbv	781926	ISTD01	10.76	3322520	12.5
Butane, 2,2-dimethyl	8.19	0.8	ppbv	205176	ISTD01	10.76	3322520	12.5
Pentane, 2-methyl-	8.77	17.6	ppbv	4666520	ISTD01	10.76	3322520	12.5
Cyclopentane $$ Pent	8.93	1.8	ppbv	487770	ISTD01	10.76	3322520	12.5
Pentane, 3-methyl-	9.09	8.0	ppbv	2121870	ISTD01	10.76	3322520	12.5
Pentane, 2,2-dimethy	9.91	1.1	ppbv	281193	ISTD01	10.76	3322520	12.5
Pentane, 2,4-dimethy	10.01	8.9	ppbv	2364950	ISTD01	10.76	3322520	12.5
Cyclopentane, methyl	10.21	17.5	ppbv	4647510	ISTD01	10.76	3322520	12.5
Pentane, 3,3-dimethy	10.69	0.8	ppbv	210443	ISTD01	10.76	3322520	12.5
Pentane, 2,3-dimethy	10.95	18.0	ppbv	4789890	ISTD01	10.76	3322520	12.5
Cyclopentane, 1,1-di	11.21	5.2	ppbv	1386070	ISTD01	10.76	3322520	12.5
Pentane, 3-ethyl- $$	11.29	2.4	ppbv	627096	ISTD01	10.76	3322520	12.5
Hexane, 2,2-dimethyl	11.36	22.9	ppbv	9537220	ISTD02	11.86	5211230	12.5
Butane, 2,2,3,3-tetr	12.01	0.5	ppbv	208962	ISTD02	11.86	5211230	12.5
Hexane, 2,5-dimethyl	12.20	2.5	ppbv	1023910	ISTD02	11.86	5211230	12.5
Cyclopentane, 1,1,3-	12.29	7.4	ppbv	3092290	ISTD02	11.86	5211230	12.5
Cyclohexane, methyl-	12.39	38.0	ppbv	15827700	ISTD02	11.86	5211230	12.5
Cyclopentane, ethyl-	12.57	2.9	ppbv	1206460	ISTD02	11.86	5211230	12.5
Cyclopentane, 1,2,4-	12.62	3.0	ppbv	1247340	ISTD02	11.86	5211230	12.5
1-Hexene, 4-ethyl- $	12.80	6.6	ppbv	2736390	ISTD02	11.86	5211230	12.5
Hexane, 2,5-dimethyl	12.94	9.8	ppbv	4087540	ISTD02	11.86	5211230	12.5
Heptane, 3-methyl-	13.14	5.2	ppbv	2176660	ISTD02	11.86	5211230	12.5
Hexane, 2,2,5-trimet	13.34	1.3	ppbv	523649	ISTD02	11.86	5211230	12.5
Cyclohexane, 1,3-dim	13.57	8.0	ppbv	3330450	ISTD02	11.86	5211230	12.5
Octane	13.67	8.2	ppbv	3429050	ISTD02	11.86	5211230	12.5
1-Heptanol, 4-methyl	13.93	0.4	ppbv	224123	ISTD03	15.72	6741200	12.5
Cyclohexane, 1,2-dim	14.07	2.7	ppbv	1466160	ISTD03	15.72	6741200	12.5
Cyclohexane, 1,4-dim	14.20	1.2	ppbv	657620	ISTD03	15.72	6741200	12.5
Heptane, 2,6-dimethy	14.28	0.7	ppbv	397356	ISTD03	15.72	6741200	12.5
Heptane, 2,5-dimethy	14.46	0.4	ppbv	240372	ISTD03	15.72	6741200	12.5
Cyclopentane, propyl	14.69	0.4	ppbv	214192	ISTD03	15.72	6741200	12.5
Cyclohexane, ethyl-	14.83	3.1	ppbv	1689080	ISTD03	15.72	6741200	12.5
Cyclohexane, 1,1,3-t	14.89	1.5	ppbv	785271	ISTD03	15.72	6741200	12.5
Heptane, 2,3-dimethy	14.95	1.1	ppbv	575772	ISTD03	15.72	6741200	12.5
Octane, 4-methyl-	15.02	1.7	ppbv	932411	ISTD03	15.72	6741200	12.5
Octane, 3-methyl-	15.19	1.7	ppbv	893993	ISTD03	15.72	6741200	12.5
Cyclohexene, 1-ethyl	16.26	0.3	ppbv	163900	ISTD03	15.72	6741200	12.5
Octane, 3,6-dimethyl	16.42	0.5	ppbv	282416	ISTD03	15.72	6741200	12.5
Cycloheptanol, 2-met	16.66	0.4	ppbv	225720	ISTD03	15.72	6741200	12.5
Cyclohexane, (1-meth	16.77	0.8	ppbv	446791	ISTD03	15.72	6741200	12.5
Cyclooctyl bromide $	16.89	0.4	ppbv	225627	ISTD03	15.72	6741200	12.5
Benzene, (1-methylet	17.02	0.5	ppbv	255664	ISTD03	15.72	6741200	12.5
4-Nonene, 3-methyl-,	17.50	0.4	ppbv	196023	ISTD03	15.72	6741200	12.5
Decane	17.63	0.9	ppbv	492565	ISTD03	15.72	6741200	12.5
Benzene, 1,3,5-trime	17.86	0.5	ppbv	262307	ISTD03	15.72	6741200	12.5
Cyclohexane, butyl-	18.70	0.6	ppbv	301916	ISTD03	15.72	6741200	12.5
Benzene, 1,3,5-trime	19.15	0.3	ppbv	163789	ISTD03	15.72	6741200	12.5
Phenol	19.64	0.5	ppbv	244855	ISTD03	15.72	6741200	12.5

03171129.D 031611V1.M Wed Apr 13 15:47:06 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:16 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

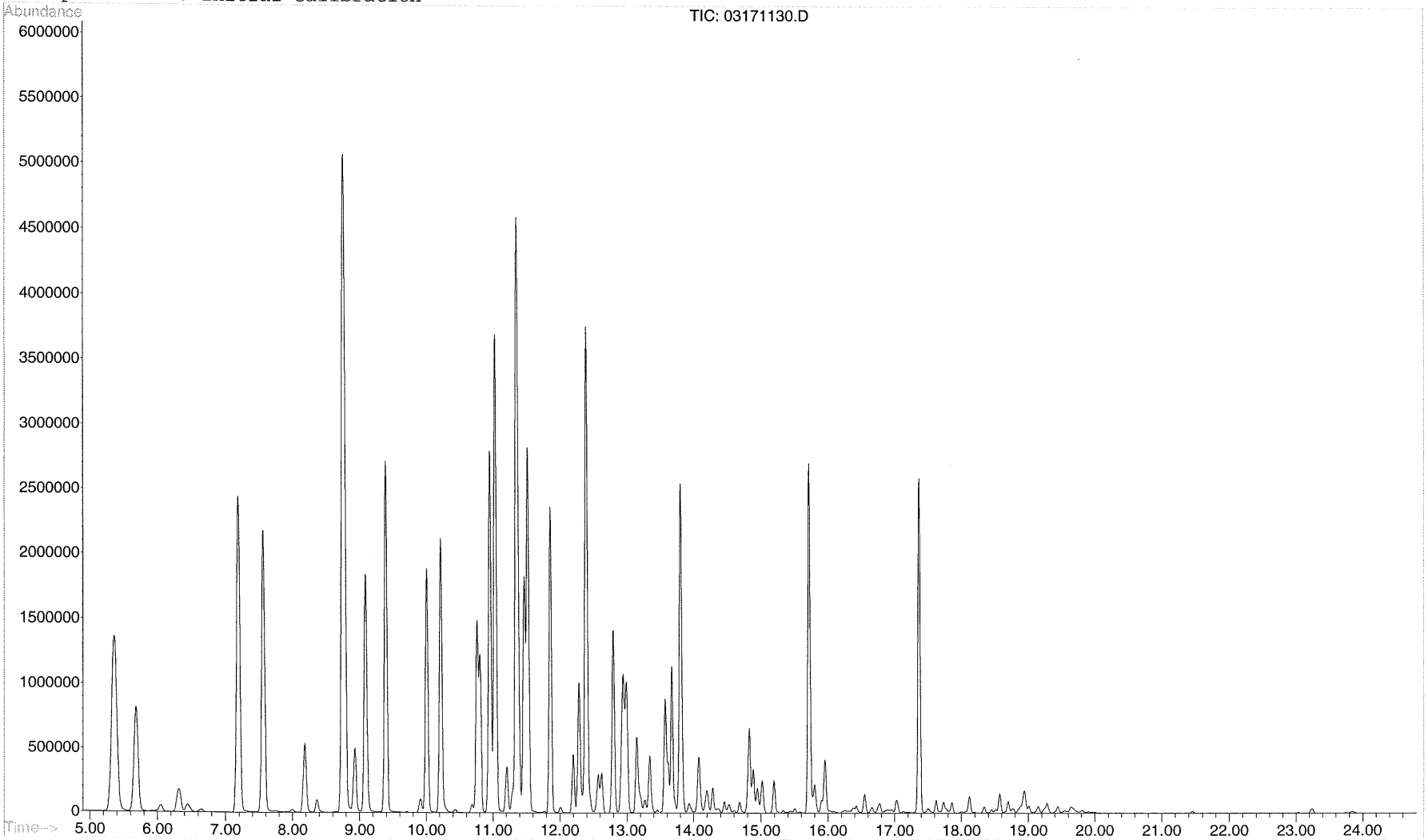
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	764903	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2682371	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	2063550	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1304643	12.61	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 100.88%				
Target Compounds							Qvalue
2) Propylene	5.68	41	878547	15.32	ppbv		86
7) 1,3-Butadiene	6.44	39	53710	0.93	ppbv	#	76
14) Acetone	8.37	43	192477	2.04	ppbv	#	92
20) n-Hexane	9.39	57	1862491	16.67	ppbv		99
29) Cyclohexane	11.03	56	1899811	16.80	ppbv		84
31) Benzene	11.47	78	1603717	8.48	ppbv		98
34) Heptane	11.52	43	1205610	9.31	ppbv	#	95
41) Toluene	13.80	91	2470224	12.22	ppbv		100
50) Ethylbenzene	15.80	91	198488	0.83	ppbv		95
51) m,p-Xylene	15.95	91	309856	1.67	ppbv		96
52) o-Xylene	16.55	91	116132	0.64	ppbv	#	88

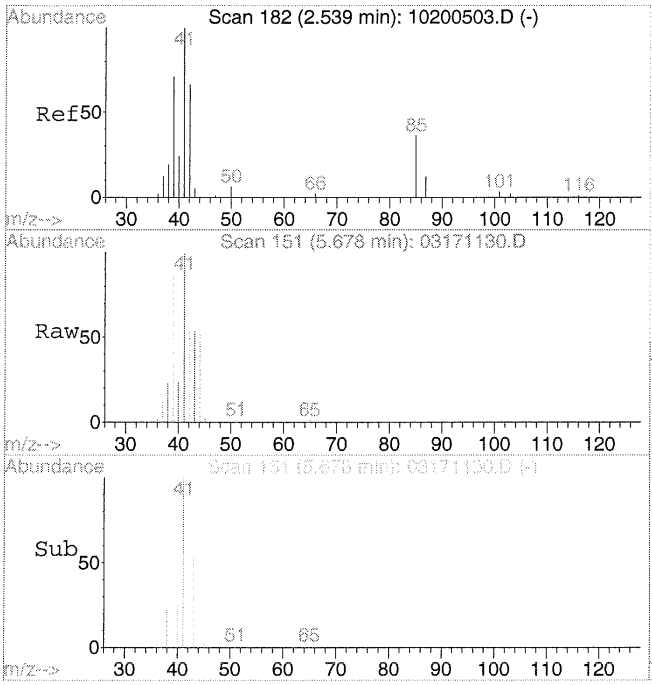
(#) = qualifier out of range (m) = manual integration
03171130.D 031611V1.M Wed Apr 13 15:47:12 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:16 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

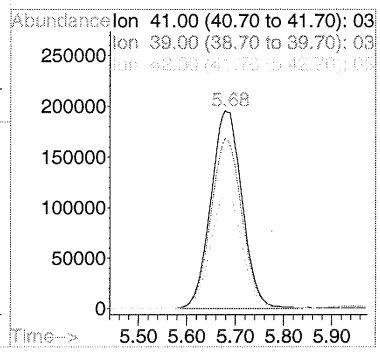


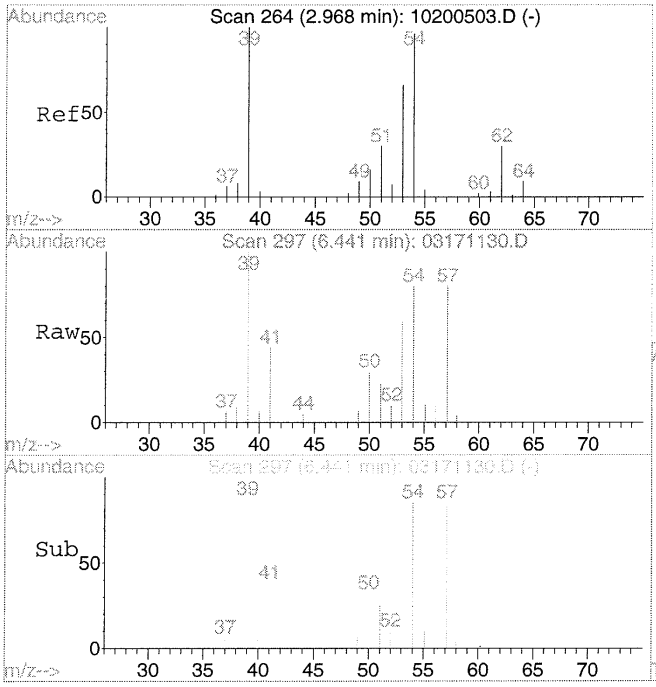


#2
Propylene
Concen: 15.32 ppbv
RT: 5.68 min Scan# 151
Delta R.T. -0.00 min
Lab File: 03171130.D
Acq: 18 Mar 2011 8:38 am

Tgt Ion: 41 Resp: 878547

Ion	Ratio	Lower	Upper
41	100		
39	85.4	57.6	86.4
42	58.5	54.0	81.0

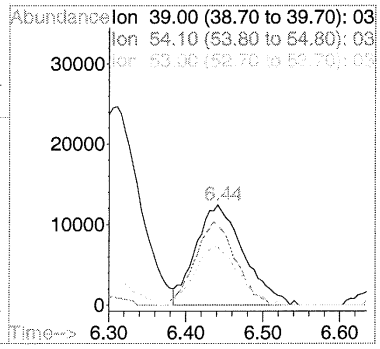


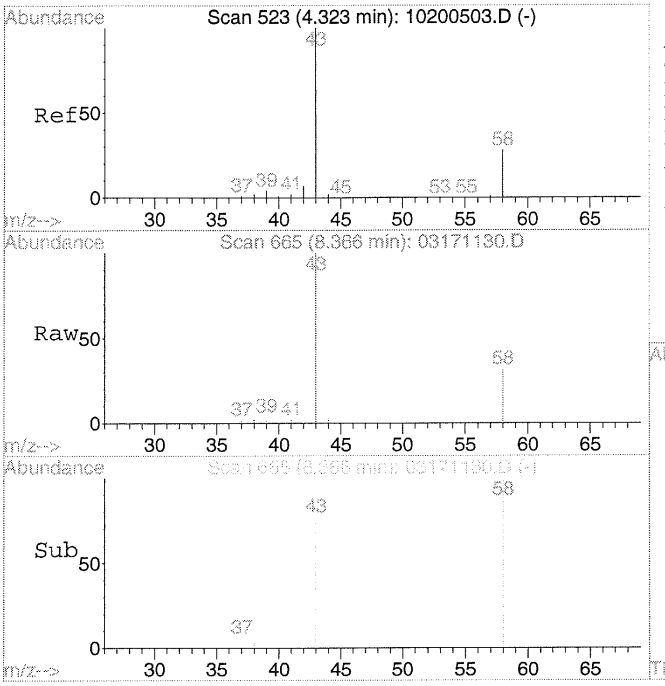


#7
1,3-Butadiene
Concen: 0.93 ppbv
RT: 6.44 min Scan# 297
Delta R.T. 0.00 min
Lab File: 03171130.D
Acq: 18 Mar 2011 8:38 am

Tgt Ion: 39 Resp: 53710

Ion	Ratio	Lower	Upper
39	100		
54	70.2	79.4	119.0#
53	53.5	53.2	79.8

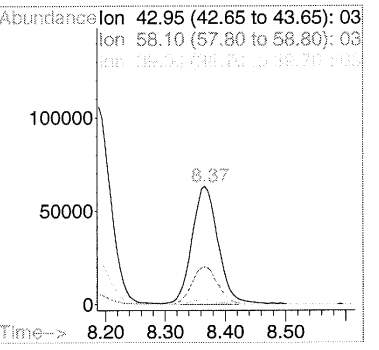


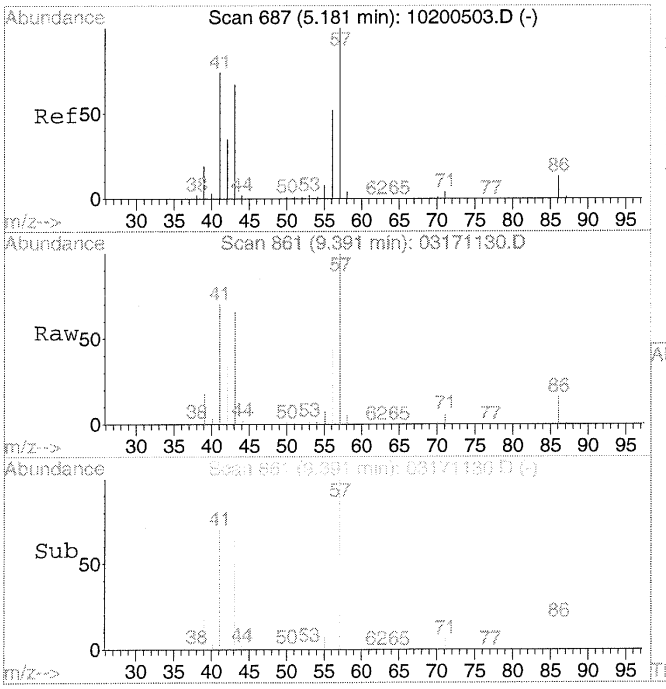


#14
Acetone
Concen: 2.04 ppbv
RT: 8.37 min Scan# 665
Delta R.T. 0.01 min
Lab File: 03171130.D
Acq: 18 Mar 2011 8:38 am

Tgt Ion: 43 Resp: 192477

Ion	Ratio	Lower	Upper
43	100		
58	31.0	22.0	33.0
39	4.2	6.5	9.7#

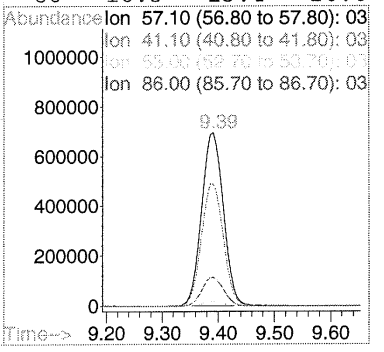


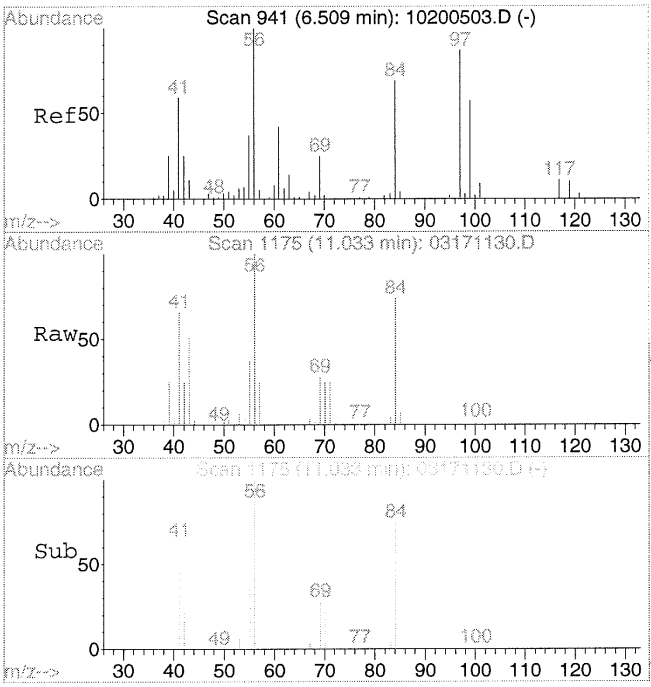


#20
n-Hexane
Concen: 16.67 ppbv
RT: 9.39 min Scan# 861
Delta R.T. -0.00 min
Lab File: 03171130.D
Acq: 18 Mar 2011 8:38 am

Tgt Ion: 57 Resp: 1862491

Ion	Ratio	Lower	Upper
57	100		
41	70.8	57.2	85.8
53	2.3	1.8	2.8
86	16.5	13.4	20.0

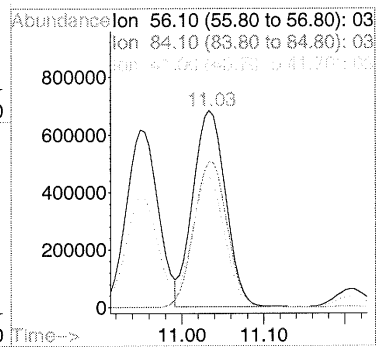


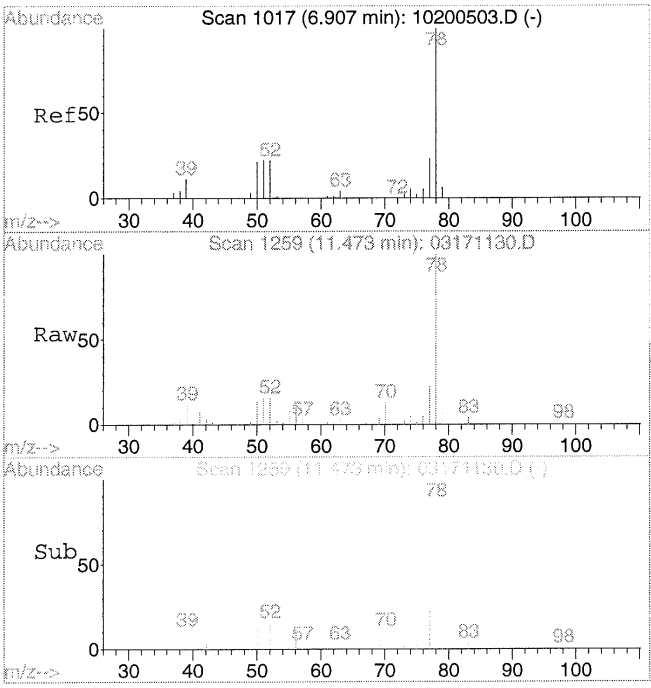


#29
Cyclohexane
Concen: 16.80 ppbv
RT: 11.03 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03171130.D
Acq: 18 Mar 2011 8:38 am

Tgt Ion: 56 Resp: 1899811

Ion	Ratio	Lower	Upper
56	100		
84	75.1	72.4	108.6
41	65.4	43.8	65.8

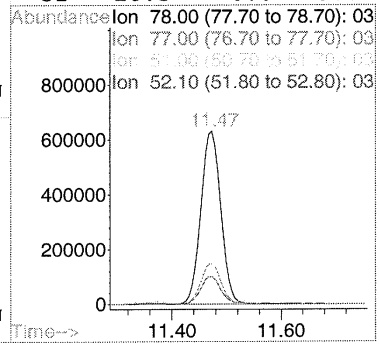


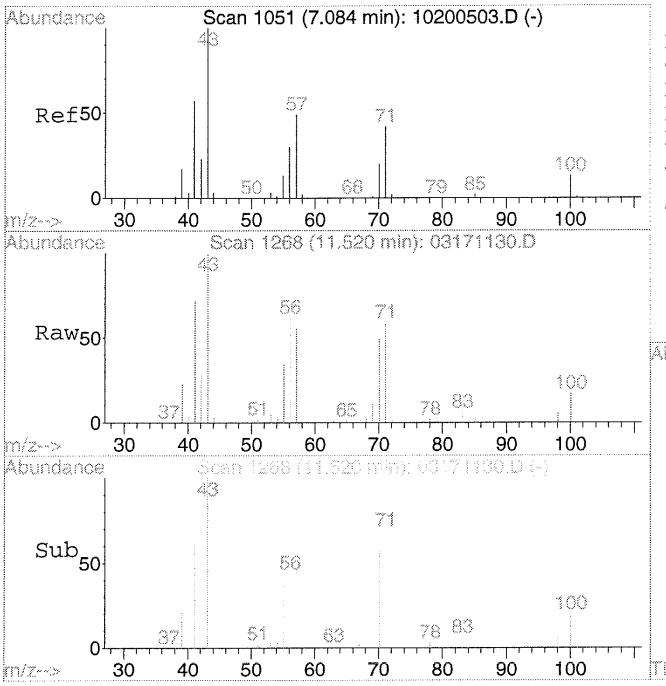


#31
Benzene
Concen: 8.48 ppbv
RT: 11.47 min Scan# 1259
Delta R.T. 0.00 min
Lab File: 03171130.D
Acq: 18 Mar 2011 8:38 am

Tgt Ion: 78 Resp: 1603717

Ion	Ratio	Lower	Upper
78	100		
77	24.2	3.7	43.7
51	17.9	0.0	36.1
52	16.5	0.0	36.0

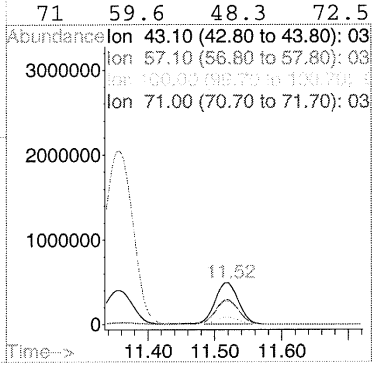


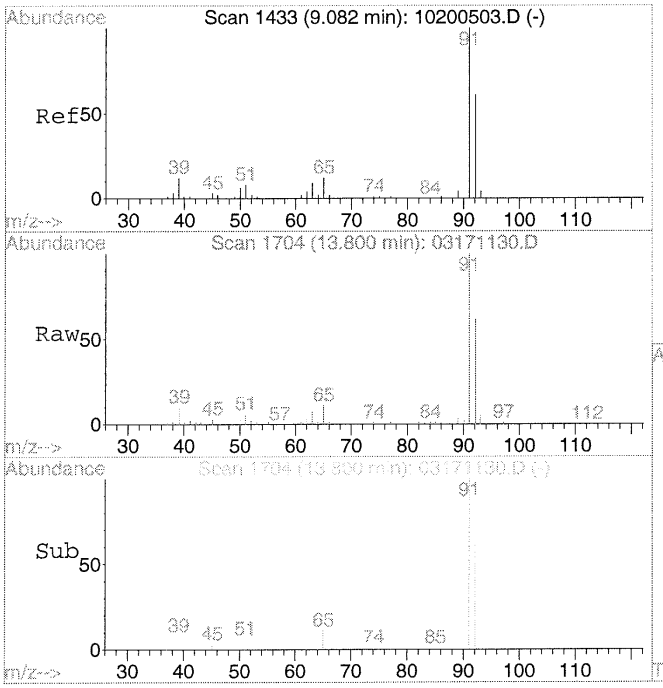


#34
Heptane
Concen: 9.31 ppbv
RT: 11.52 min Scan# 1268
Delta R.T. -0.00 min
Lab File: 03171130.D
Acq: 18 Mar 2011 8:38 am

Tgt Ion: 43 Resp: 1205610

Ion	Ratio	Lower	Upper
43	100		
57	59.1	42.2	63.4
100	17.0	17.3	25.9#
71	59.6	48.3	72.5

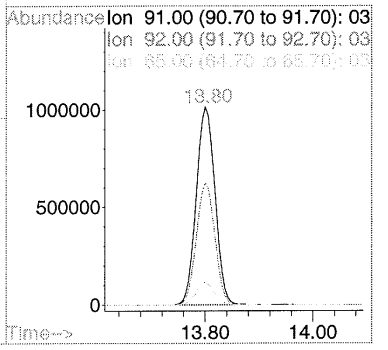


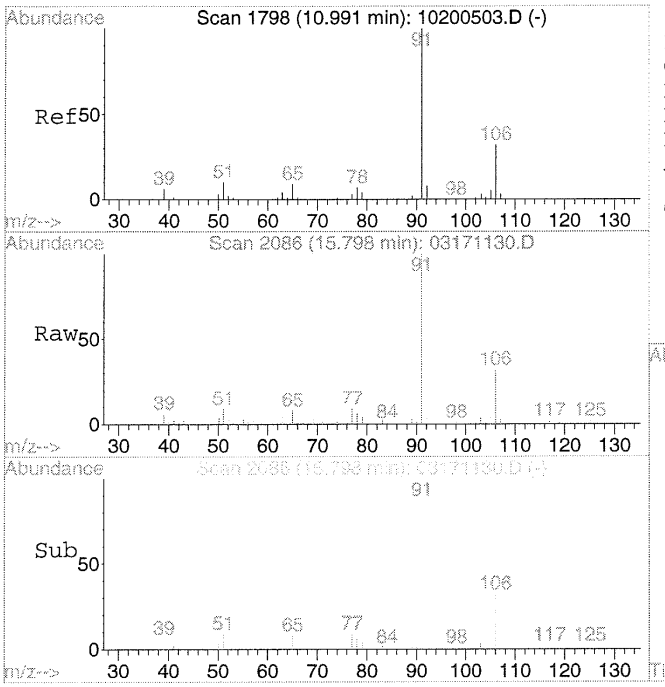


#41
Toluene
Concen: 12.22 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03171130.D
Acq: 18 Mar 2011 8:38 am

Tgt Ion: 91 Resp: 2470224

Ion	Ratio	Lower	Upper
91	100		
92	60.7	40.5	80.5
65	11.1	0.0	31.2

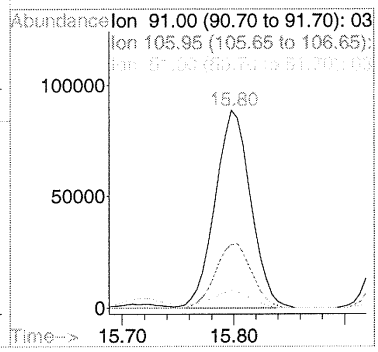


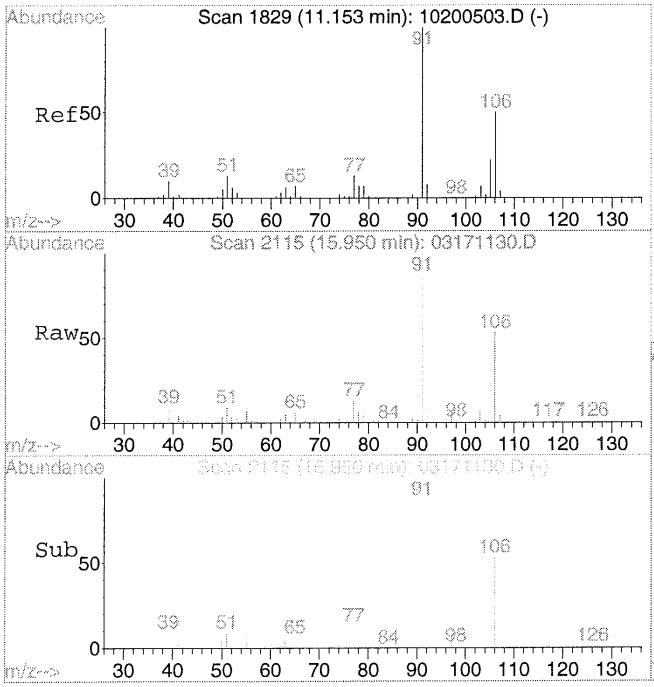


#50
Ethylbenzene
Concen: 0.83 ppbv
RT: 15.80 min Scan# 2086
Delta R.T. -0.00 min
Lab File: 03171130.D
Acq: 18 Mar 2011 8:38 am

Tgt Ion: 91 Resp: 198488

Ion	Ratio	Lower	Upper
91	100		
106	32.7	14.9	54.9
51	9.7	0.0	33.1

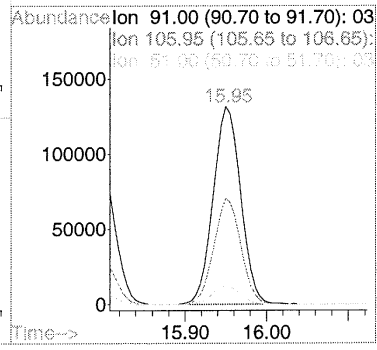


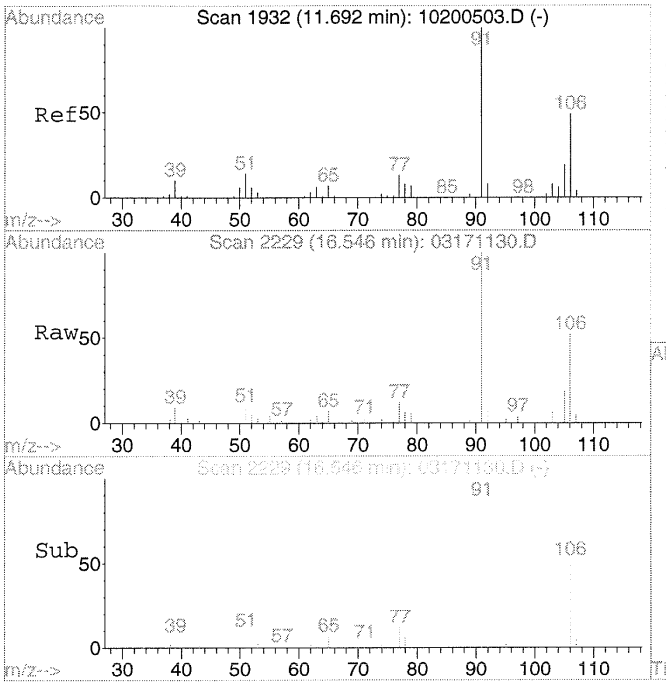


#51
m,p-Xylene
Concen: 1.67 ppbv
RT: 15.95 min Scan# 2115
Delta R.T. -0.01 min
Lab File: 03171130.D
Acq: 18 Mar 2011 8:38 am

Tgt Ion: 91 Resp: 309856

Ion	Ratio	Lower	Upper
91	100		
106	52.2	35.6	75.6
51	9.5	0.0	29.6

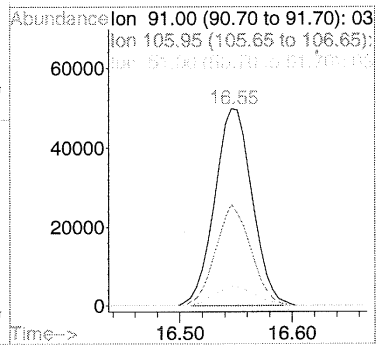




#52
o-Xylene
Concen: 0.64 ppbv
RT: 16.55 min Scan# 2229
Delta R.T. -0.00 min
Lab File: 03171130.D
Acq: 18 Mar 2011 8:38 am

Tgt Ion: 91 Resp: 116132

Ion	Ratio	Lower	Upper
91	100		
106	48.4	41.0	61.6
51	10.7	19.7	29.5#



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.359	62	90	128	rBV	1362760	7649218	40.37%	4.001%
2	5.678	132	151	178	rVB	810637	3593458	18.96%	1.880%
3	6.044	209	221	238	rVB3	52338	212129	1.12%	0.111%
4	6.316	256	273	288	rBV4	177458	786919	4.15%	0.412%
5	6.441	288	297	317	rVV4	59459	263971	1.39%	0.138%
6	7.189	421	440	470	rBV	2443401	8561329	45.18%	4.478%
7	7.560	494	511	532	rBV	2176533	6918234	36.51%	3.619%
8	8.183	613	630	652	rBV2	538905	1757621	9.28%	0.919%
9	8.366	652	665	685	rVB	97624	306884	1.62%	0.161%
10	8.763	724	741	761	rBV3	5066547	18948872	100.00%	9.912%
11	8.931	762	773	788	rVV	494337	1463828	7.73%	0.766%
12	9.088	788	803	823	rVV	1832717	5327765	28.12%	2.787%
13	9.391	848	861	886	rVB	2709758	7246307	38.24%	3.791%
14	9.914	948	961	967	rBV2	107033	296179	1.56%	0.155%
15	10.003	967	978	1001	rVV	1883643	5173531	27.30%	2.706%
16	10.212	1004	1018	1045	rBV	2116593	5883795	31.05%	3.078%
17	10.761	1113	1123	1127	rBV	1448584	3604770	19.02%	1.886%
18	10.950	1146	1159	1167	rBV	2789292	7554751	39.87%	3.952%
19	11.033	1167	1175	1196	rVV2	3684827	10151617	53.57%	5.310%
20	11.206	1196	1208	1217	rVV	351066	937541	4.95%	0.490%
21	11.358	1217	1237	1250	rVV	4586194	14835097	78.29%	7.760%
22	11.467	1250	1258	1262	rVV2	1815087	4412578	23.29%	2.308%
23	11.520	1263	1268	1288	rVB3	2813504	7074893	37.34%	3.701%
24	11.860	1321	1333	1352	rVV	2362241	5737072	30.28%	3.001%
25	12.194	1385	1397	1405	rBV	453106	1092275	5.76%	0.571%
26	12.283	1405	1414	1423	rVV2	1010478	2705202	14.28%	1.415%
27	12.388	1424	1434	1455	rVV	3754428	10379434	54.78%	5.429%
28	12.571	1455	1469	1473	rVV2	302619	824453	4.35%	0.431%
29	12.618	1474	1478	1492	rVB	312596	730044	3.85%	0.382%
30	12.796	1497	1512	1525	rBV2	1410463	3744049	19.76%	1.959%
31	12.942	1525	1540	1544	rBV3	1068787	3206418	16.92%	1.677%
32	13.146	1567	1579	1596	rBV	586096	1874740	9.89%	0.981%
33	13.267	1596	1602	1608	rVV2	97622	250076	1.32%	0.131%
34	13.340	1608	1616	1630	rVB	441425	1147688	6.06%	0.600%
35	13.570	1645	1660	1667	rBV2	882248	2467682	13.02%	1.291%
36	13.669	1673	1679	1693	rVB	1101255	2451694	12.94%	1.282%
37	13.800	1693	1704	1720	rVB	2534899	6702688	35.37%	3.506%
38	13.931	1720	1729	1741	rVB4	67744	201199	1.06%	0.105%
39	14.072	1741	1756	1769	rBV2	431488	1234150	6.51%	0.646%
40	14.197	1769	1780	1789	rBV5	152331	451648	2.38%	0.236%
41	14.281	1789	1796	1805	rBV2	172441	365268	1.93%	0.191%
42	14.454	1821	1829	1835	rBV3	84855	192189	1.01%	0.101%
43	14.684	1865	1873	1886	rBV2	81876	207529	1.10%	0.109%

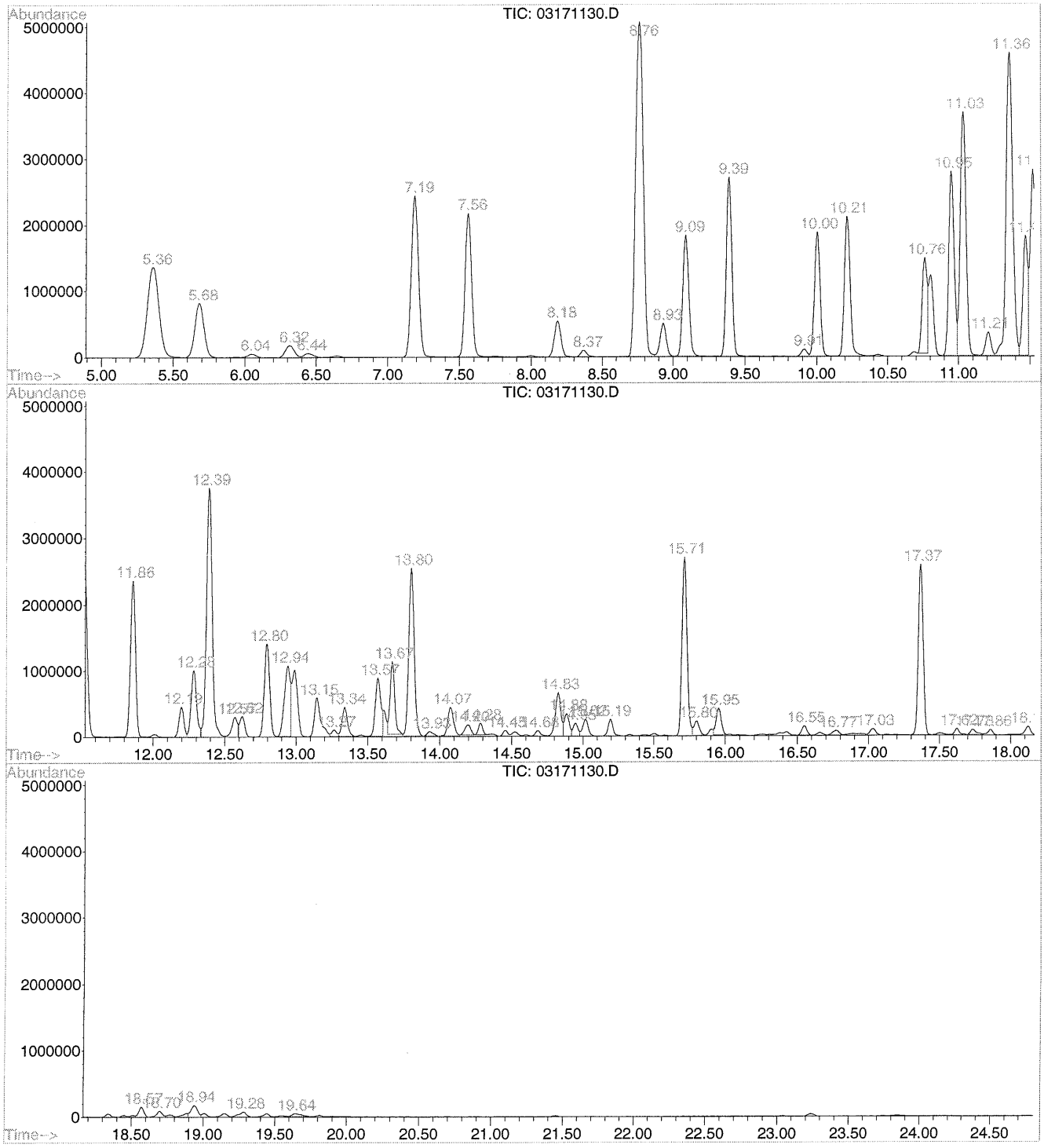
44	14.825	1886	1900	1907	rVV	657276	1800751	9.50%	0.942%
45	14.883	1907	1911	1918	rVV2	339390	793373	4.19%	0.415%
46	14.945	1918	1923	1929	rVV3	195149	467679	2.47%	0.245%
47	15.019	1929	1937	1952	rVB4	251070	689118	3.64%	0.360%
48	15.191	1958	1970	1989	rBV	254922	632359	3.34%	0.331%
49	15.714	2054	2070	2081	rBV	2700307	6688762	35.30%	3.499%
50	15.798	2081	2086	2098	rVV	215924	545482	2.88%	0.285%
51	15.950	2109	2115	2127	rVB	398950	1000174	5.28%	0.523%
52	16.546	2218	2229	2240	rVB2	144648	360129	1.90%	0.188%
53	16.771	2260	2272	2282	rBV6	68941	214125	1.13%	0.112%
54	17.032	2313	2322	2333	rVB3	98511	276017	1.46%	0.144%
55	17.367	2370	2386	2402	rBV	2581836	6178932	32.61%	3.232%
56	17.623	2427	2435	2442	rBV2	95914	201396	1.06%	0.105%
57	17.733	2448	2456	2469	rBV2	76492	225765	1.19%	0.118%
58	17.859	2470	2480	2490	rVB	82210	201165	1.06%	0.105%
59	18.120	2513	2530	2541	rVB	126633	324380	1.71%	0.170%
60	18.570	2608	2616	2626	rVB	150975	376902	1.99%	0.197%
61	18.695	2626	2640	2648	rBV2	87386	240385	1.27%	0.126%
62	18.936	2678	2686	2695	rVV	173261	566251	2.99%	0.296%
63	19.281	2736	2752	2763	rVB3	73526	267779	1.41%	0.140%
64	19.637	2812	2820	2842	rVV3	42071	190617	1.01%	0.100%

Sum of corrected areas: 191168326

03171130.D 031611V1.M Wed Apr 13 15:47:21 2011

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\031711\03171130.D
Operator : Michael Truchan
Acquired : 18 Mar 2011 8:38 am using AcqMethod 031611V1
Instrument : GC/MS Ins
Sample Name: 1103120-009A
Misc Info : SAMP EPA_TO15-ug/m3
Vial Number: 1
Quant File :031611V1.RES (RTE Integrator)



03171130.D 031611V1.M Wed Apr 13 15:47:22 2011

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 1 Carbon dioxide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.36	26.52 ppbv	7649220	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide $$ Carbon oxide (CO2	44	CO2	000124-38-9	4
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Nitrous Oxide	44	N2O	010024-97-2	3
5	Nitrous Oxide $$ Nitrogen oxide (N2	44	N2O	010024-97-2	3

****

Peak Number 2 Isobutane Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.04	0.74 ppbv	212129	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	83
2	Isobutane	58	C4H10	000075-28-5	74
3	Isobutane $$ Propane, 2-methyl- $$	58	C4H10	000075-28-5	56
4	1-Propanol, 2-methyl- $$ Isobutyl a	74	C4H10O	000078-83-1	4
5	Hydrogen azide $$ Hydrazoic acid $$	43	HN3	007782-79-8	2

****

Peak Number 3 1-Propene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	2.73 ppbv	786919	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	58
2	1-Propene, 2-methyl- $$ Propene, 2-	56	C4H8	000115-11-7	52
3	1-Butene	56	C4H8	000106-98-9	43
4	1-Butene	56	C4H8	000106-98-9	43
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	43

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 4 Butane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	29.69 ppbv	8561330	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	86
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	1-Butene	56	C4H8	000106-98-9	9
5	3-Buten-2-ol	72	C4H8O	000598-32-3	9

****

Peak Number 5 Pentane $$ n-Pentane $$ Skelly Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	23.99 ppbv	6918230	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane $$ n-Pentane $$ Skellysolve	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	72
4	Butane, 2-methyl-	72	C5H12	000078-78-4	39
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	36

****

Peak Number 6 Butane, 2,2-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	6.09 ppbv	1757620	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	90
2	Heptane, 3,3-dimethyl- $$ 3,3-Dimet	128	C9H20	004032-86-4	64
3	Hexane, 2,4,4-trimethyl- $$ 2,4,4-T	128	C9H20	016747-30-1	64
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	59
5	Butane, 2,2-dimethyl- $$ Neohexane	86	C6H14	000075-83-2	59

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 7 Pentane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	65.71 ppbv	18948900	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	80
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
3	Pentane, 2-methyl- $$ Isohexane $$	86	C6H14	000107-83-5	72
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	64
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	59

****

Peak Number 8 Cyclopentane $$ Pentamethylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	5.08 ppbv	1463830	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane $$ Pentamethylene $$ U	70	C5H10	000287-92-3	72
2	Cyclopentane	70	C5H10	000287-92-3	56
3	Cyclobutanone	70	C4H6O	001191-95-3	45
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	36
5	1-Pentene	70	C5H10	000109-67-1	25

****

Peak Number 9 Pentane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	18.47 ppbv	5327770	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl- $$ 3-Methylpenta	86	C6H14	000096-14-0	86
4	Oxirane, (1-methylethyl)- $$ Butane	86	C5H10O	001438-14-8	50
5	Hexane, 2,2,3-trimethyl- $$ 2,2,3-T	128	C9H20	016747-25-4	40

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 10 Pentane, 2,2-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.91	1.03 ppbv	296179	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
3	Pentane, 2,2-dimethyl- $$ 2,2-Dimet	100	C7H16	000590-35-2	50
4	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	45
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	42

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Peak Number 11 Pentane, 2,4-dimethyl- $$ 2,4- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	17.94 ppbv	5173530	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl- $$ 2,4-Dimet	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	87
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59

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Peak Number 12 Cyclopentane, methyl- $$ Methy Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	20.40 ppbv	5883800	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl- $$ Methylcycl	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	1H-Tetrazole, 5-methyl- $$ 5-Methyl	84	C2H4N4	004076-36-2	80
4	Cyclobutane, ethyl- $$ Ethylcyclobu	84	C6H12	004806-61-5	64
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	52

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 13 Pentane, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	26.20 ppbv	7554750	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
2	Pentane, 2,3-dimethyl- $$ 2,3-Dimet	100	C7H16	000565-59-3	95
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91

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Peak Number 14 Cyclopentane, 1,1-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	3.25 ppbv	937541	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	83
2	Cyclopentane, 1,1-dimethyl- $$ Gem-	98	C7H14	001638-26-2	64
3	4-Pentenal, 2-methyl-	98	C6H10O	005187-71-3	53
4	Cyclopentane, 1,1,2-trimethyl- $$ C	112	C8H16	004259-00-1	42
5	1-Heptene, 6-methyl- $$ 6-Methyl-1-	112	C8H16	005026-76-6	40

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Peak Number 15 Hexane, 2,2-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	32.32 ppbv	14835100	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	59
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 16 Hexane, 2,5-dimethyl- $$ Biiso Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	2.38 ppbv	1092280	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	87
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	78
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	68
4	2-Isopropyl-4H-oxazol-5-one	127	C6H9NO2	000000-00-0	50
5	Heptane, 2-methyl-	114	C8H18	000592-27-8	49

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Peak Number 17 Hexane, 2,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	5.89 ppbv	2705200	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	52
3	Heptane, 3-methyl- $$ 3-Methylhepta	114	C8H18	000589-81-1	43
4	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	40
5	1-Octanol, 3,7-dimethyl-	158	C10H22O	000106-21-8	38

****

Peak Number 18 Cyclohexane, methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	22.61 ppbv	10379400	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	78
5	Cyclohexane, methyl- $$ Cyclohexylm	98	C7H14	000108-87-2	72

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 19 Cyclopentane, ethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	1.80 ppbv	824453	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	97
2	Cyclopentane, ethyl- $$ Ethylcyclop	98	C7H14	001640-89-7	96
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	93
4	Cyclopentane, ethyl-	98	C7H14	001640-89-7	78
5	Cyclopentane, ethyl-	98	C7H14	001640-89-7	49

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Peak Number 20 Cyclopentane, 1,2,4-trimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	1.59 ppbv	730044	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	78
3	Cyclopentane, 1,2,4-trimethyl-, (1.	112	C8H16	004850-28-6	78
4	2,3-Dimethyl-1-hexene	112	C8H16	1674686-45-3	50
5	2-Azetidinone, 3,4,4-trimethyl-	113	C6H11NO	022607-01-8	42

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Peak Number 21 Pentane, 2,3,4-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	8.16 ppbv	3744050	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
2	Decane, 3,3,4-trimethyl- $$ 3,3,4-T	184	C13H28	049622-18-6	59
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	58
4	Propanoic acid, 2-methyl-, pentyl e	158	C9H18O2	002445-72-9	56
5	Pentane, 2,3,4-trimethyl- $$ 2,3,4-	114	C8H18	000565-75-3	52

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 22 Heptane, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	6.99 ppbv	3206420	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	81
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	76
3	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	68
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	50

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Peak Number 23 Heptane, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	4.08 ppbv	1874740	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	87
2	Hexane, 2,4-dimethyl- $$ 2,4-Dimeth	114	C8H18	000589-43-5	52
3	Hexane, 3-ethyl- $$ 3-Ethylhexane	114	C8H18	000619-99-8	47
4	Heptane, 3-methyl- $$ 3-Methylhepta	114	C8H18	000589-81-1	45
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	43

****

Peak Number 24 1-Heptene, 6-methyl- $$ 6-Meth Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	0.54 ppbv	250076	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 6-methyl- $$ 6-Methyl-1-	112	C8H16	005026-76-6	59
2	Cyclopentane, 1,1,2-trimethyl- $$ C	112	C8H16	004259-00-1	46
3	Cyclopropane, nonyl-	168	C12H24	074663-85-7	39
4	C2H5CH(CH3)CH2C(CH3)=CH2 $$ 2,4-Dim	112	C8H16	016746-87-5	35
5	1-Heptene, 2-methyl-	112	C8H16	015870-10-7	35

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 25 Hexane, 2,2,5-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	2.50 ppbv	1147690	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	90
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
3	Hexane, 2,2,5-trimethyl- $$ 2,2,5-T	128	C9H20	003522-94-9	83
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	78
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	72

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Peak Number 26 Cyclohexane, 1,3-dimethyl- $$ Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	5.38 ppbv	2467680	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl- $$ 1,3-D	112	C8H16	000591-21-9	95
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94
4	Cyclohexane, 1,3-dimethyl-, cis- $$	112	C8H16	000638-04-0	93
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91

****

Peak Number 27 Octane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	5.34 ppbv	2451690	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	87
2	Octane	114	C8H18	000111-65-9	83
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4	Octane	114	C8H18	000111-65-9	72
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	64

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 28 1.alpha.,2.beta.,3.alpha.,4.be Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	0.38 ppbv	201199	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1.alpha.,2.beta.,3.alpha.,4.beta.-T	126	C9H18	002532-67-4	52
2	Furan, 2,5-dihydro-3-methyl- $$ 2,5	84	C5H8O	001708-31-2	50
3	Heptane, 2-methyl-3-methylene-	126	C9H18	062187-11-5	38
4	Cyclohexane, 1,1,2-trimethyl- $$ 1,	126	C9H18	007094-26-0	38
5	Octane, 2-chloro-	148	C8H17Cl	000628-61-5	37

****

Peak Number 29 Cyclohexane, 1,2-dimethyl-, tr Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	2.31 ppbv	1234150	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	81
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	81

****

Peak Number 30 Cyclohexane, 1,3-dimethyl-, ci Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	0.84 ppbv	451648	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	74
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	70
3	Cyclohexane, 1,3-dimethyl-, cis- $$	112	C8H16	000638-04-0	64
4	Cyclohexane, 1,4-dimethyl- $$ p-Dim	112	C8H16	000589-90-2	64
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	59

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 31 Heptane, 2,6-dimethyl- $$ 2,6- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	0.68 ppbv	365268	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl- $$ 2,6-Dimet	128	C9H20	001072-05-5	78
2	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	62
3	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	53
4	Hexadecane	226	C16H34	000544-76-3	50
5	Nonane	128	C9H20	000111-84-2	49

****

Peak Number 32 Heptane, 2,5-dimethyl- $$ 2,5- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.45	0.36 ppbv	192189	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl- $$ 2,5-Dimet	128	C9H20	002216-30-0	91
2	Octane, 3-methyl- $$ 3-Methyloctane	128	C9H20	002216-33-3	90
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
4	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	64
5	Heptane, 3,5-dimethyl- $$ 3,5-Dimet	128	C9H20	000926-82-9	64

****

Peak Number 33 Cyclopentane, propyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	0.39 ppbv	207529	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, propyl-	112	C8H16	002040-96-2	91
2	Cyclopentane, butyl-	126	C9H18	002040-95-1	72
3	Cyclopentane, propyl- $$ n-Propylcy	112	C8H16	002040-96-2	60
4	Cyclopentane, butyl-	126	C9H18	002040-95-1	49
5	Cyclohexane, 1,3,5-trimethyl- $$ 1,	126	C9H18	001839-63-0	43

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 34 Cyclohexane, ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	3.37 ppbv	1800750	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	95
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
5	Cyclohexane, ethyl- $$ Ethylcyclohe	112	C8H16	001678-91-7	91

****

Peak Number 35 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	1.48 ppbv	793373	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	39
2	Cyclohexane, 1,1,3-trimethyl- $$ Cy	126	C9H18	003073-66-3	28
3	1,1,4-Trimethylcyclohexane $$ Cyclo	126	C9H18	007094-27-1	12
4	Cyclopentane, propyl- $$ n-Propylcy	112	C8H16	002040-96-2	9
5	1-Hexene, 3,3-dimethyl- $$ 3,3-Dime	112	C8H16	003404-77-1	9

****

Peak Number 36 Heptane, 2,3-dimethyl- $$ 2,3- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	0.87 ppbv	467679	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl- $$ 2,3-Dimet	128	C9H20	003074-71-3	59
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	58
3	Heptane, 2,4-dimethyl- $$ 2,4-Dimet	128	C9H20	002213-23-2	53
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	52
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	50

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 37 Octane, 4-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	1.29 ppbv	689118	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	64
2	Octane, 4-methyl- $$ 4-Methyloctane	128	C9H20	002216-34-4	49
3	Octane, 2-methyl-	128	C9H20	003221-61-2	46
4	2,6-Dimethyldecane	170	C12H26	013150-81-7	45
5	Nonane	128	C9H20	000111-84-2	43

****

Peak Number 38 Octane, 3-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	1.18 ppbv	632359	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	49
2	Octane, 3-methyl- $$ 3-Methyloctane	128	C9H20	002216-33-3	46
3	Heptane, 3-ethyl- $$ 3-Ethylheptane	128	C9H20	015869-80-4	38
4	Heptane, 2,5-dimethyl- $$ 2,5-Dimet	128	C9H20	002216-30-0	38
5	Hexane, 4-ethyl-2-methyl- $$ 4-Ethy	128	C9H20	003074-75-7	37

****

Peak Number 39 Cyclohexane, (1-methylethyl)- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	0.40 ppbv	214125	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	52
4	Cyclohexane, 2-propenyl- $$ Cyclohe	124	C9H16	002114-42-3	35
5	7-Oxabicyclo[4.3.0]nonane, cis-	126	C8H14O	013149-01-4	27

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 40 Benzene, (1-methylethyl)- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	0.52 ppbv	276017	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	60
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	53
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	53
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	49
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	49

****

Peak Number 41 Decane $$ n-Decane $$ n-C10H22 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	0.38 ppbv	201396	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane $$ n-Decane $$ n-C10H22 $$ U	142	C10H22	000124-18-5	94
2	Decane	142	C10H22	000124-18-5	90
3	Dodecane $$ n-Dodecane $$ Adakane 1	170	C12H26	000112-40-3	80
4	Decane	142	C10H22	000124-18-5	76
5	Undecane	156	C11H24	001120-21-4	72

****

Peak Number 42 Benzene, 1-ethyl-2-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	0.42 ppbv	225765	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-2-methyl- $$ Tolue	120	C9H12	000611-14-3	93
3	Benzene, 1-ethyl-3-methyl- $$ Tolue	120	C9H12	000620-14-4	93
4	Benzene, 1-ethyl-4-methyl- $$ Tolue	120	C9H12	000622-96-8	93
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 43 Benzene, 1,3,5-trimethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	0.38 ppbv	201165	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	93
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
3	Benzene, 1,3,5-trimethyl- $$ Mesity	120	C9H12	000108-67-8	90
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	87

****

Peak Number 44 Dodecane, 2,2,11,11-tetramethy Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	0.61 ppbv	324380	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	78
2	Tetradecane, 2,2-dimethyl-	226	C16H34	000000-00-0	72
3	Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	72
4	Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	64
5	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	64

****

Peak Number 45 Undecane, 5,7-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	0.70 ppbv	376902	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	72
2	Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	59
3	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	45
4	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	45
5	Octane, 1,1'-oxybis- $$ Octyl ether	242	C16H34O	000629-82-3	43

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 46 Cyclohexane, butyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	0.45 ppbv	240385	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	93
2	Cyclohexane, butyl- $$ n-Butylcyclo	140	C10H20	001678-93-9	87
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	81
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	81

****

Peak Number 47 Decane, 2,2,7-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	1.06 ppbv	566251	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,2,7-trimethyl-	184	C13H28	062237-99-4	59
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	53
3	Heptane, 2,2,4,6,6-pentamethyl- $$	170	C12H26	013475-82-6	50
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	50
5	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	50

****

Peak Number 48 Undecane, 2,8-dimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	0.50 ppbv	267779	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	50
2	Heptane, 3,3,5-trimethyl- $$ 3,3,5-	142	C10H22	007154-80-5	47
3	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	47
4	Ether, hexyl pentyl $$ Hexane, 1-(p	172	C11H24O	032357-83-8	45
5	Dodecane, 2,6,10-trimethyl- $$ Farn	212	C15H32	003891-98-3	45

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 49 Phenol Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	0.36 ppbv	190617	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol	94	C6H6O	000108-95-2	80
2	Phenol $$ Baker's P and S Liquid an	94	C6H6O	000108-95-2	74
3	Phosphonic acid, (p-hydroxyphenyl)-	174	C6H7O4P	033795-18-5	72
4	Phenol	94	C6H6O	000108-95-2	72
5	Phenol	94	C6H6O	000108-95-2	64

Tentatively Identified Compound (LSC) summary

Operator ID: Michael Truchan Date Acquired: 18 Mar 2011 8:38 am
Data File: C:\HPCHEM\1\DATA\031711\03171130.D
Name: 1103120-009A
Misc: SAMP EPA_TO15-ug/m3
Method: C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title: TO15 ppbv
Library Searched: C:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	5.36	26.5	ppbv	7649220	ISTD01	10.76	3604770	12.5
Isobutane	6.04	0.7	ppbv	212129	ISTD01	10.76	3604770	12.5
1-Propene, 2-methyl-	6.32	2.7	ppbv	786919	ISTD01	10.76	3604770	12.5
Butane, 2-methyl-	7.19	29.7	ppbv	8561330	ISTD01	10.76	3604770	12.5
Pentane $$ n-Pentane	7.56	24.0	ppbv	6918230	ISTD01	10.76	3604770	12.5
Butane, 2,2-dimethyl	8.18	6.1	ppbv	1757620	ISTD01	10.76	3604770	12.5
Pentane, 2-methyl-	8.76	65.7	ppbv	18948900	ISTD01	10.76	3604770	12.5
Cyclopentane $$ Pent	8.93	5.1	ppbv	1463830	ISTD01	10.76	3604770	12.5
Pentane, 3-methyl-	9.09	18.5	ppbv	5327770	ISTD01	10.76	3604770	12.5
Pentane, 2,2-dimethy	9.91	1.0	ppbv	296179	ISTD01	10.76	3604770	12.5
Pentane, 2,4-dimethy	10.00	17.9	ppbv	5173530	ISTD01	10.76	3604770	12.5
Cyclopentane, methyl	10.21	20.4	ppbv	5883800	ISTD01	10.76	3604770	12.5
Pentane, 2,3-dimethy	10.95	26.2	ppbv	7554750	ISTD01	10.76	3604770	12.5
Cyclopentane, 1,1-di	11.21	3.3	ppbv	937541	ISTD01	10.76	3604770	12.5
Hexane, 2,2-dimethyl	11.36	32.3	ppbv	14835100	ISTD02	11.86	5737070	12.5
Hexane, 2,5-dimethyl	12.19	2.4	ppbv	1092280	ISTD02	11.86	5737070	12.5
Hexane, 2,4-dimethyl	12.28	5.9	ppbv	2705200	ISTD02	11.86	5737070	12.5
Cyclohexane, methyl-	12.39	22.6	ppbv	10379400	ISTD02	11.86	5737070	12.5
Cyclopentane, ethyl-	12.57	1.8	ppbv	824453	ISTD02	11.86	5737070	12.5
Cyclopentane, 1,2,4-	12.62	1.6	ppbv	730044	ISTD02	11.86	5737070	12.5
Pentane, 2,3,4-trime	12.80	8.2	ppbv	3744050	ISTD02	11.86	5737070	12.5
Heptane, 2-methyl-	12.94	7.0	ppbv	3206420	ISTD02	11.86	5737070	12.5
Heptane, 3-methyl-	13.15	4.1	ppbv	1874740	ISTD02	11.86	5737070	12.5
1-Heptene, 6-methyl-	13.27	0.5	ppbv	250076	ISTD02	11.86	5737070	12.5
Hexane, 2,2,5-trimet	13.34	2.5	ppbv	1147690	ISTD02	11.86	5737070	12.5
Cyclohexane, 1,3-dim	13.57	5.4	ppbv	2467680	ISTD02	11.86	5737070	12.5
Octane	13.67	5.3	ppbv	2451690	ISTD02	11.86	5737070	12.5
1.alpha.,2.beta.,3.a	13.93	0.4	ppbv	201199	ISTD03	15.71	6688760	12.5
Cyclohexane, 1,2-dim	14.07	2.3	ppbv	1234150	ISTD03	15.71	6688760	12.5
Cyclohexane, 1,3-dim	14.20	0.8	ppbv	451648	ISTD03	15.71	6688760	12.5
Heptane, 2,6-dimethy	14.28	0.7	ppbv	365268	ISTD03	15.71	6688760	12.5
Heptane, 2,5-dimethy	14.45	0.4	ppbv	192189	ISTD03	15.71	6688760	12.5
Cyclopentane, propyl	14.68	0.4	ppbv	207529	ISTD03	15.71	6688760	12.5
Cyclohexane, ethyl-	14.83	3.4	ppbv	1800750	ISTD03	15.71	6688760	12.5
Cyclohexane, 1,1,3-t	14.88	1.5	ppbv	793373	ISTD03	15.71	6688760	12.5
Heptane, 2,3-dimethy	14.95	0.9	ppbv	467679	ISTD03	15.71	6688760	12.5
Octane, 4-methyl-	15.02	1.3	ppbv	689118	ISTD03	15.71	6688760	12.5
Octane, 3-methyl-	15.19	1.2	ppbv	632359	ISTD03	15.71	6688760	12.5
Cyclohexane, (1-meth	16.77	0.4	ppbv	214125	ISTD03	15.71	6688760	12.5
Benzene, (1-methylet	17.03	0.5	ppbv	276017	ISTD03	15.71	6688760	12.5
Decane $$ n-Decane $	17.62	0.4	ppbv	201396	ISTD03	15.71	6688760	12.5
Benzene, 1-ethyl-2-m	17.73	0.4	ppbv	225765	ISTD03	15.71	6688760	12.5
Benzene, 1,3,5-trime	17.86	0.4	ppbv	201165	ISTD03	15.71	6688760	12.5
Dodecane, 2,2,11,11-	18.12	0.6	ppbv	324380	ISTD03	15.71	6688760	12.5
Undecane, 5,7-dimeth	18.57	0.7	ppbv	376902	ISTD03	15.71	6688760	12.5
Cyclohexane, butyl-	18.70	0.4	ppbv	240385	ISTD03	15.71	6688760	12.5
Decane, 2,2,7-trimet	18.94	1.1	ppbv	566251	ISTD03	15.71	6688760	12.5
Undecane, 2,8-dimeth	19.28	0.5	ppbv	267779	ISTD03	15.71	6688760	12.5
Phenol	19.64	0.4	ppbv	190617	ISTD03	15.71	6688760	12.5

03171130.D 031611V1.M Wed Apr 13 15:47:24 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:19 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	680107	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2296985	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.72	117	1953442	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1224857	12.51	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 100.08%				
Target Compounds							Qvalue
2) Propylene	5.68	41	5848905	114.72	ppbv	#	58
7) 1,3-Butadiene*	6.45	39	352132	6.85	ppbv	#	81
8) Bromomethane*	7.00	94	116467	1.95	ppbv	#	98
11) Ethanol*	7.75	45	14324	1.27	ppbv	#	78
14) Acetone	8.36	43	9250508	110.37	ppbv	#	86
20) n-Hexane	9.38	57	4308643	43.38	ppbv		100
24) 2-Butanone*	10.43	43	1031192	11.92	ppbv		95
29) Cyclohexane	11.03	56	3922721	39.01	ppbv	#	72
31) Benzene	11.48	78	4103911	24.41	ppbv		94
32) 1,2-Dichloroethane*	11.47	62	40752	0.60	ppbv	#	1
34) Heptane	11.52	43	4073681	36.72	ppbv	#	95
41) Toluene*	13.80	91	3298827	19.06	ppbv		98
50) Ethylbenzene*	15.80	91	373689	1.65	ppbv		95
51) m,p-Xylene*	15.95	91	341365	1.94	ppbv		95
52) o-Xylene*	16.55	91	124796	0.73	ppbv	#	90

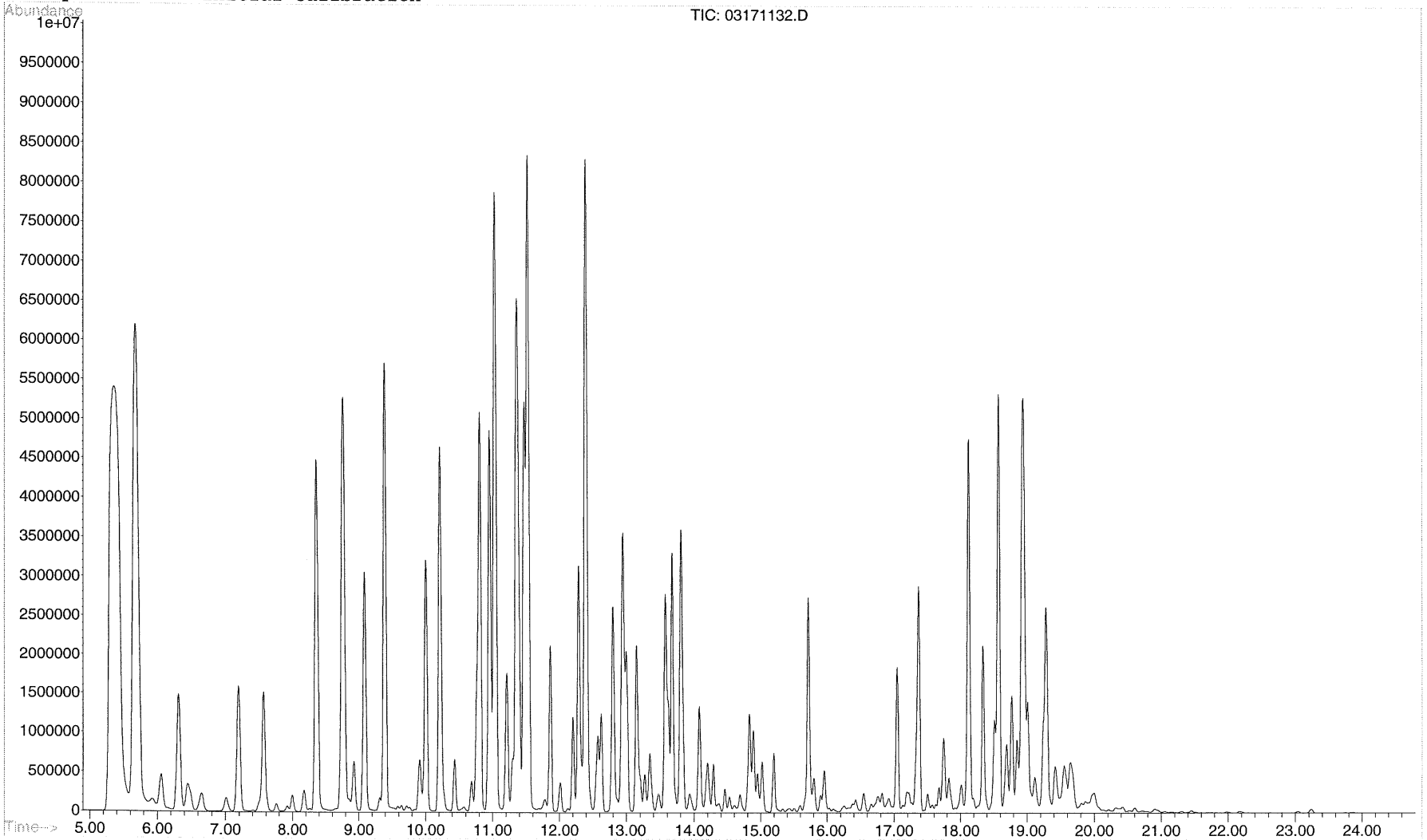
* = reported only at 4/15/11

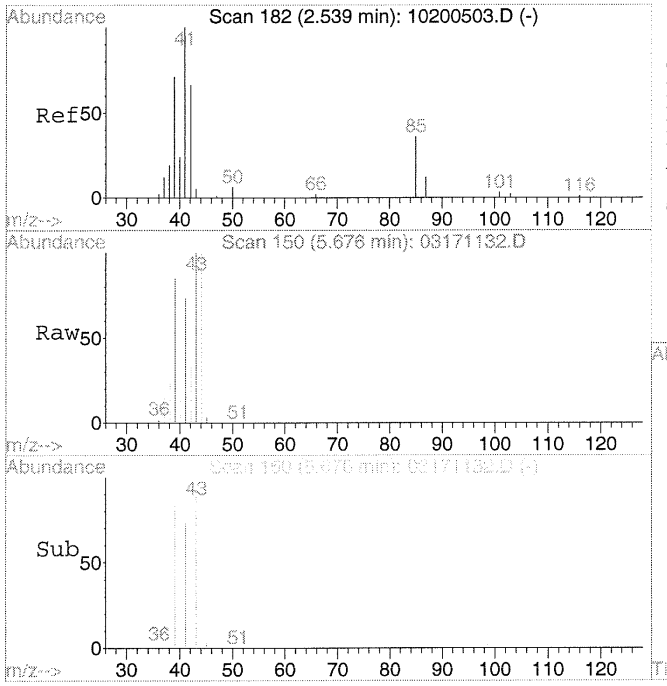
(#) = qualifier out of range (m) = manual integration
03171132.D 031611V1.M Wed Apr 13 15:47:35 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:19 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

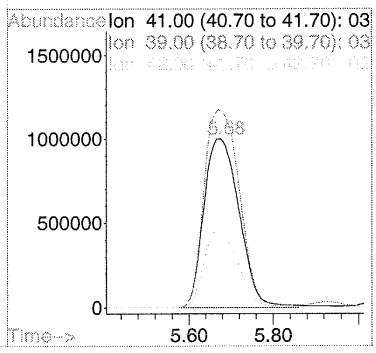


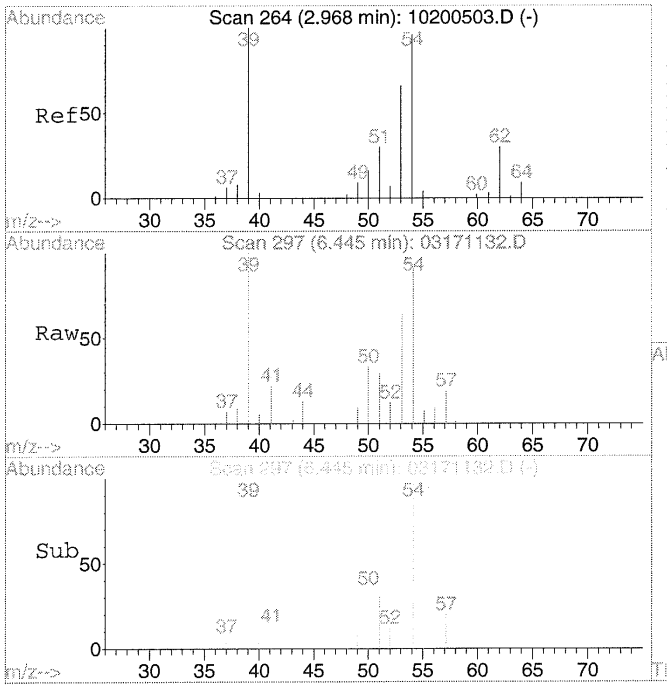


#2
Propylene
Concen: 114.72 ppbv
RT: 5.68 min Scan# 150
Delta R.T. -0.00 min
Lab File: 03171132.D
Acq: 18 Mar 2011 10:00 am

Tgt Ion: 41 Resp: 5848905

Ion	Ratio	Lower	Upper
41	100		
39	117.9	57.6	86.4#
42	44.2	54.0	81.0#

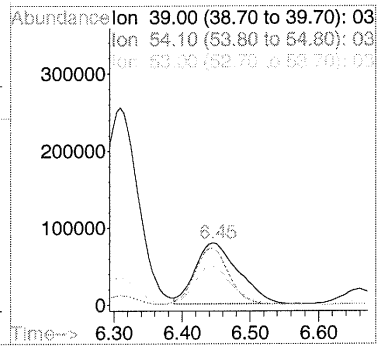


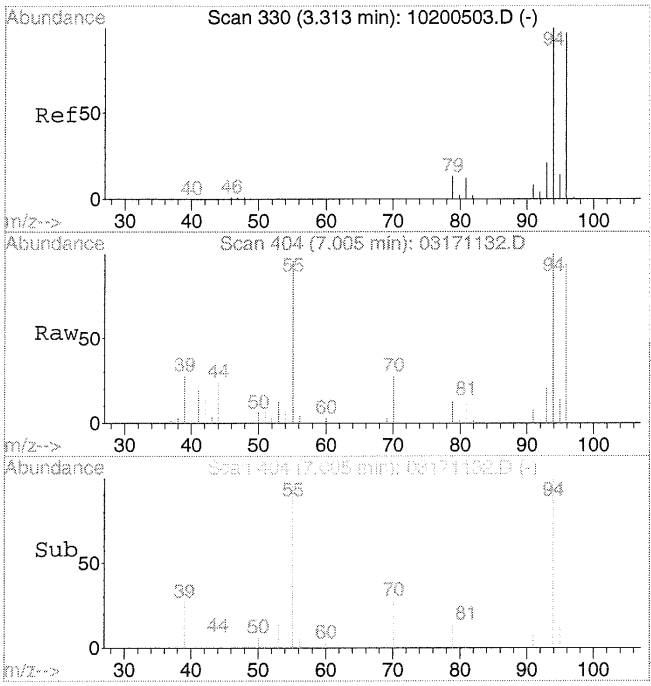


#7
1,3-Butadiene
Concen: 6.85 ppbv
RT: 6.45 min Scan# 297
Delta R.T. 0.01 min
Lab File: 03171132.D
Acq: 18 Mar 2011 10:00 am

Tgt Ion: 39 Resp: 352132

Ion	Ratio	Lower	Upper
39	100		
54	75.2	79.4	119.0#
53	56.7	53.2	79.8

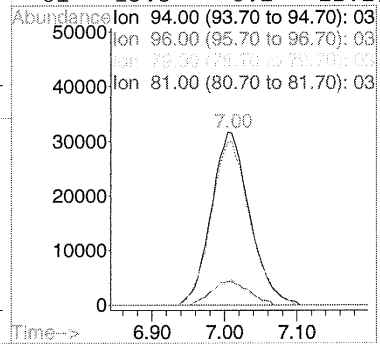


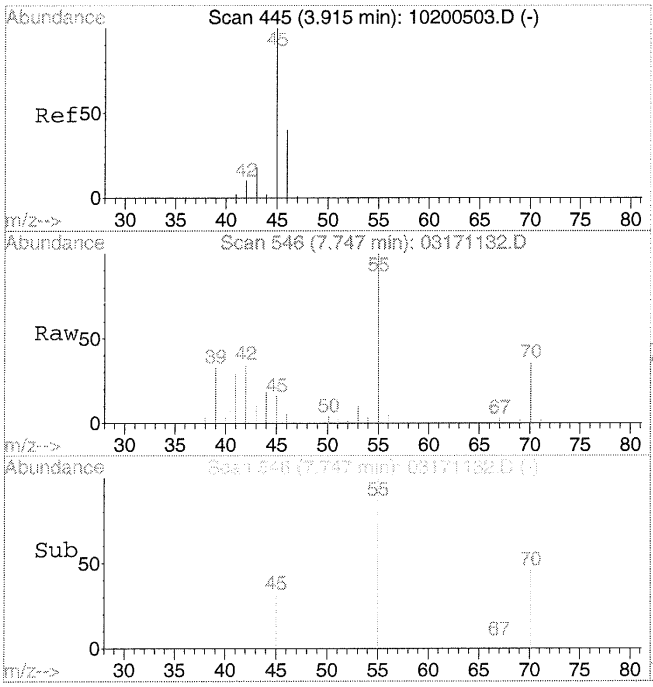


#8
Bromomethane
Concen: 1.95 ppbv
RT: 7.00 min Scan# 404
Delta R.T. -0.02 min
Lab File: 03171132.D
Acq: 18 Mar 2011 10:00 am

Tgt Ion: 94 Resp: 116467

Ion	Ratio	Lower	Upper
94	100		
96	95.6	76.0	114.0
79	13.1	8.1	12.1#
81	13.5	8.1	12.1#

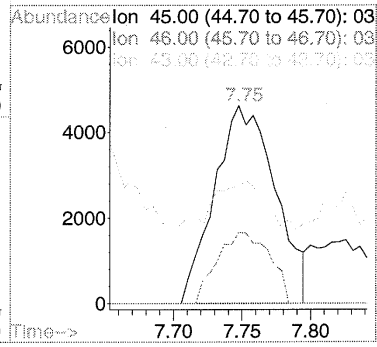


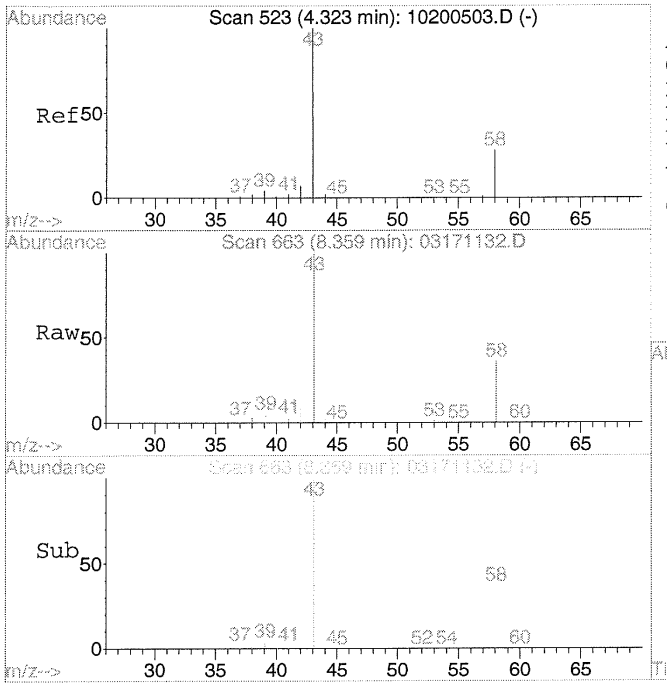


#11
Ethanol
Concen: 1.27 ppbv
RT: 7.75 min Scan# 546
Delta R.T. 0.02 min
Lab File: 03171132.D
Acq: 18 Mar 2011 10:00 am

Tgt Ion: 45 Resp: 14324

Ion	Ratio	Lower	Upper
45	100		
46	30.8	30.2	45.4
43	0.0	15.8	23.6#

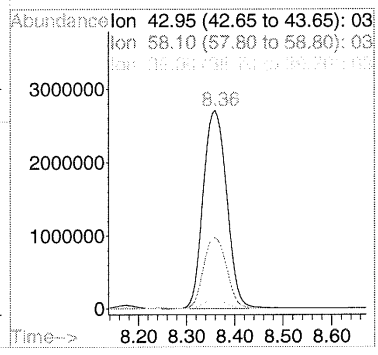


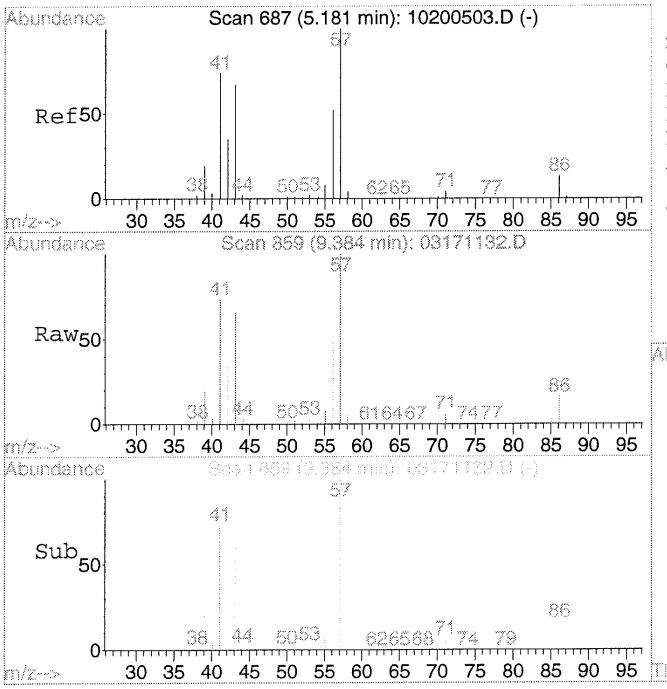


#14
Acetone
Concen: 110.37 ppbv
RT: 8.36 min Scan# 663
Delta R.T. 0.00 min
Lab File: 03171132.D
Acq: 18 Mar 2011 10:00 am

Tgt Ion: 43 Resp: 9250508

Ion	Ratio	Lower	Upper
43	100		
58	35.2	22.0	33.0#
39	4.4	6.5	9.7#

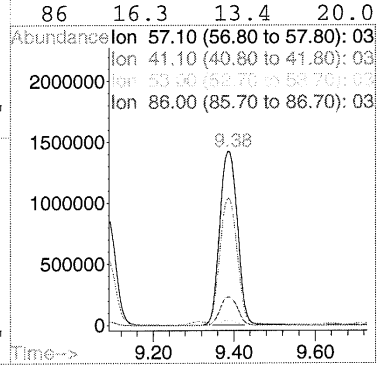


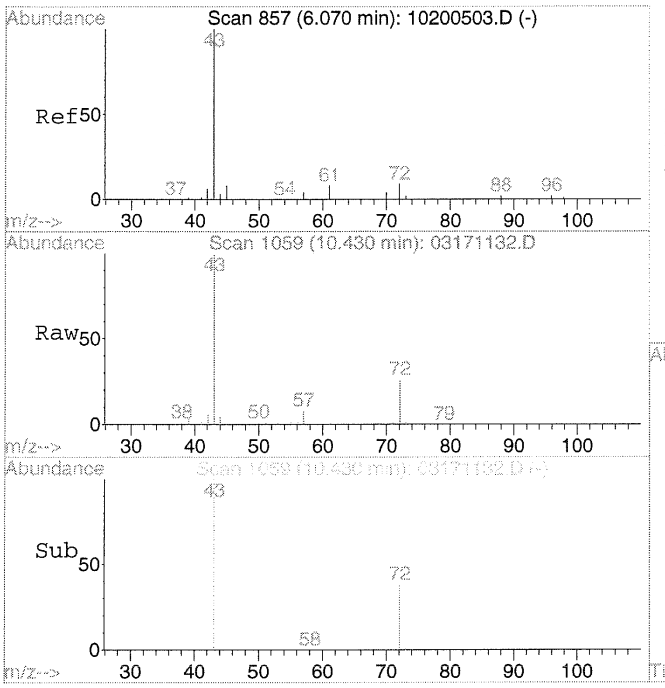


#20
n-Hexane
Concen: 43.38 ppbv
RT: 9.38 min Scan# 859
Delta R.T. -0.01 min
Lab File: 03171132.D
Acq: 18 Mar 2011 10:00 am

Tgt Ion: 57 Resp: 4308643

Ion	Ratio	Lower	Upper
57	100		
41	71.7	57.2	85.8
53	2.5	1.8	2.8
86	16.3	13.4	20.0

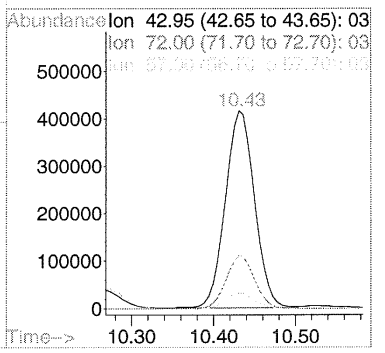


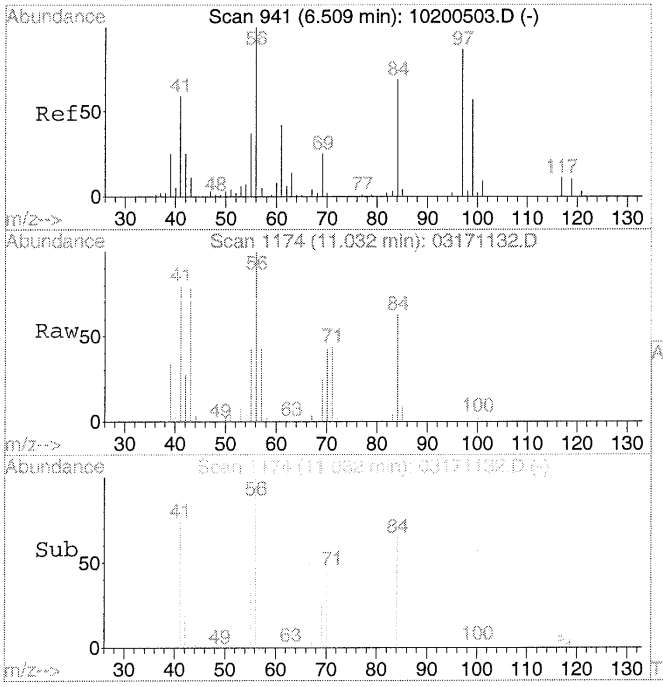


#24
2-Butanone
Concen: 11.92 ppbv
RT: 10.43 min Scan# 1059
Delta R.T. 0.01 min
Lab File: 03171132.D
Acq: 18 Mar 2011 10:00 am

Tgt Ion: 43 Resp: 1031192

Ion	Ratio	Lower	Upper
43	100		
72	26.1	23.4	35.2
57	7.8	6.9	10.3

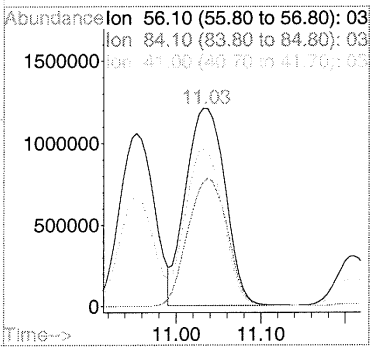


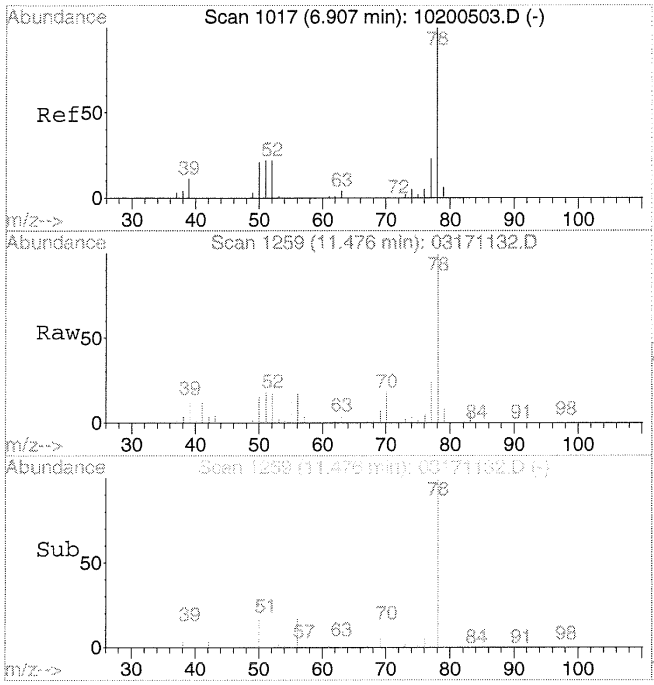


#29
Cyclohexane
Concen: 39.01 ppbv
RT: 11.03 min Scan# 1174
Delta R.T. -0.00 min
Lab File: 03171132.D
Acq: 18 Mar 2011 10:00 am

Tgt Ion: 56 Resp: 3922721

Ion	Ratio	Lower	Upper
56	100		
84	64.8	72.4	108.6#
41	76.1	43.8	65.8#

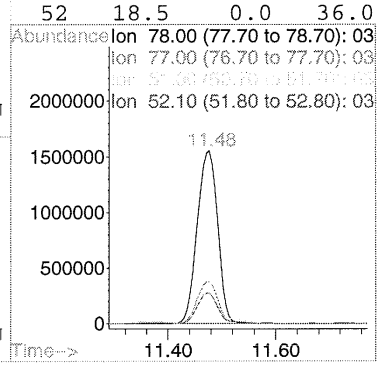


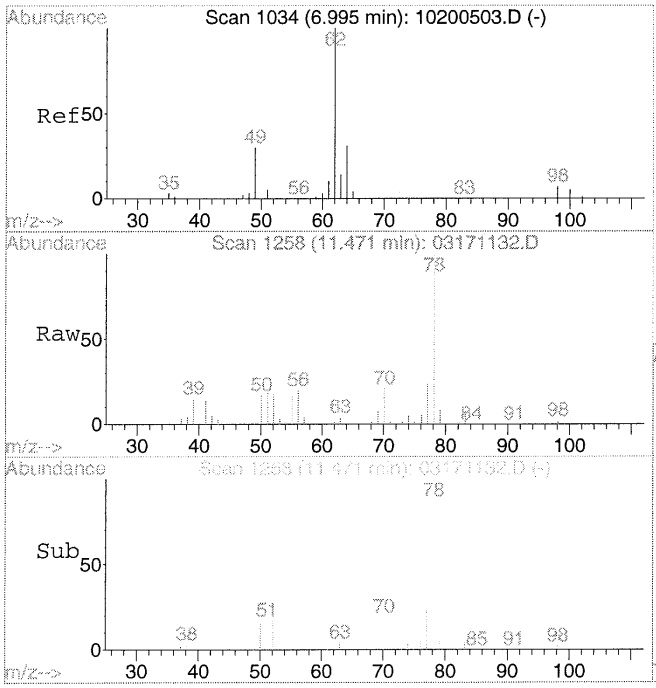


#31
Benzene
Concen: 24.41 ppbv
RT: 11.48 min Scan# 1259
Delta R.T. 0.01 min
Lab File: 03171132.D
Acq: 18 Mar 2011 10:00 am

Tgt Ion: 78 Resp: 4103911

Ion	Ratio	Lower	Upper
78	100		
77	25.1	3.7	43.7
51	20.8	0.0	36.1
52	18.5	0.0	36.0

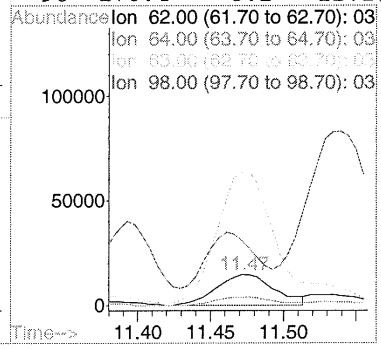


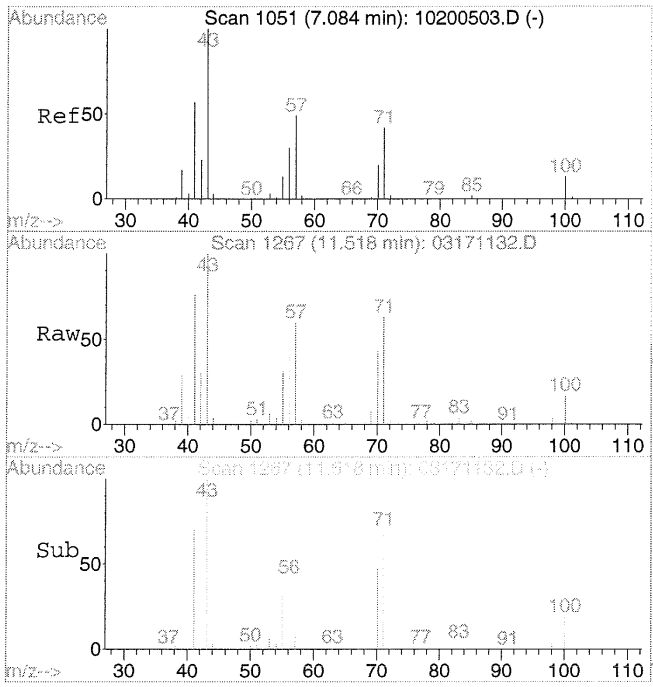


#32
1,2-Dichloroethane
Concen: 0.60 ppbv
RT: 11.47 min Scan# 1258
Delta R.T. -0.08 min
Lab File: 03171132.D
Acq: 18 Mar 2011 10:00 am

Tgt Ion: 62 Resp: 40752

Ion	Ratio	Lower	Upper
62	100		
64	26.2	26.6	39.8#
63	471.4	14.2	21.4#
98	176.4	8.1	12.1#

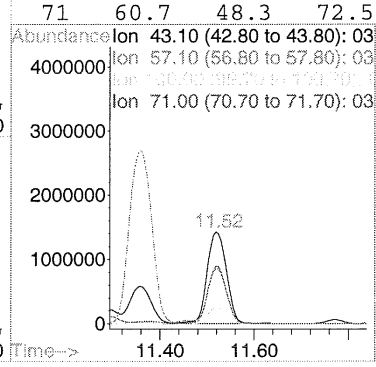


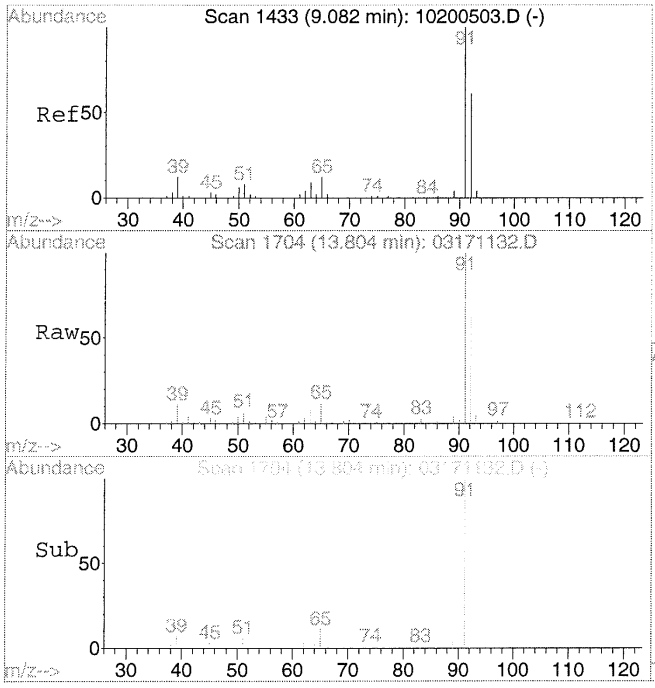


#34
Heptane
Concen: 36.72 ppbv
RT: 11.52 min Scan# 1267
Delta R.T. -0.00 min
Lab File: 03171132.D
Acq: 18 Mar 2011 10:00 am

Tgt Ion: 43 Resp: 4073681

Ion	Ratio	Lower	Upper
43	100		
57	59.0	42.2	63.4
100	16.5	17.3	25.9#
71	60.7	48.3	72.5

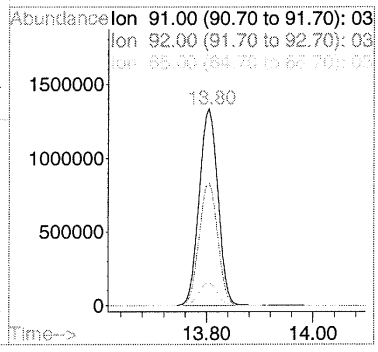


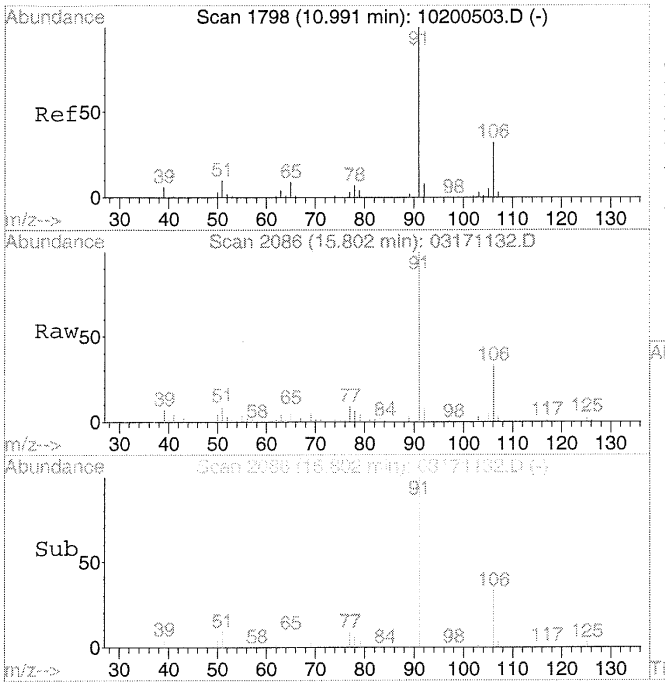


#41
Toluene
Concen: 19.06 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. 0.00 min
Lab File: 03171132.D
Acq: 18 Mar 2011 10:00 am

Tgt Ion: 91 Resp: 3298827

Ion	Ratio	Lower	Upper
91	100		
92	61.8	40.5	80.5
65	11.4	0.0	31.2

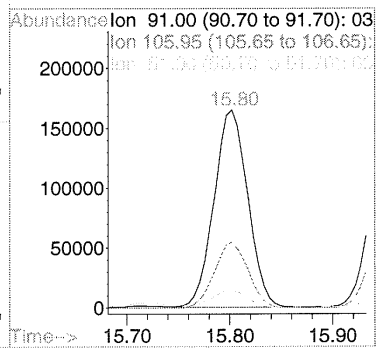


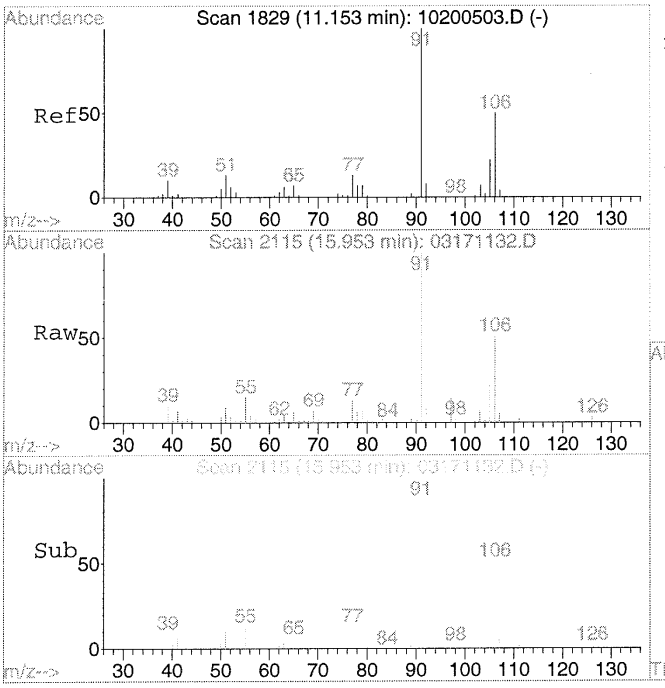


#50
Ethylbenzene
Concen: 1.65 ppbv
RT: 15.80 min Scan# 2086
Delta R.T. 0.00 min
Lab File: 03171132.D
Acq: 18 Mar 2011 10:00 am

Tgt Ion: 91 Resp: 373689

Ion	Ratio	Lower	Upper
91	100		
106	33.1	14.9	54.9
51	9.7	0.0	33.1

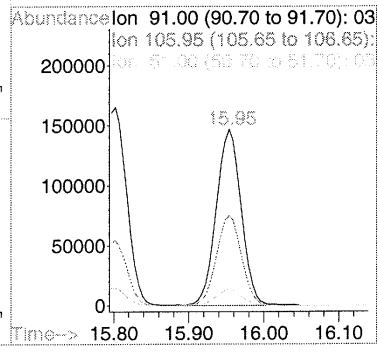


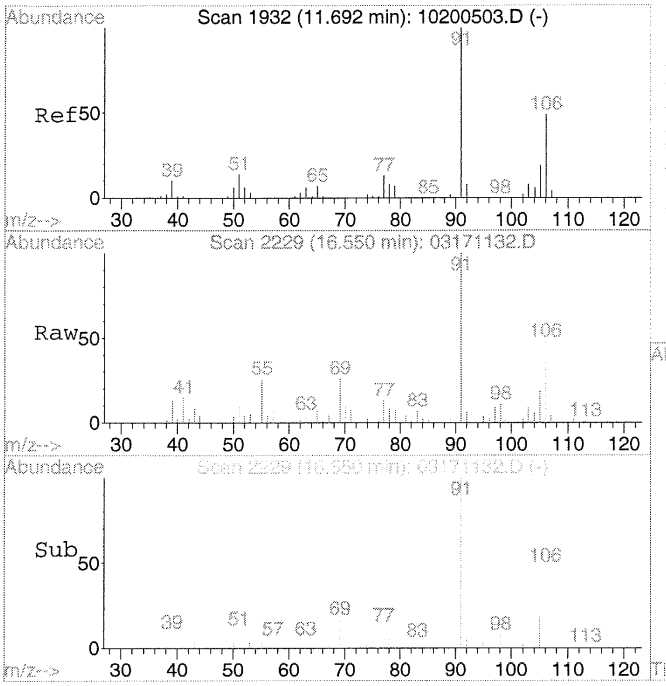


#51
m,p-Xylene
Concen: 1.94 ppbv
RT: 15.95 min Scan# 2115
Delta R.T. -0.00 min
Lab File: 03171132.D
Acq: 18 Mar 2011 10:00 am

Tgt Ion: 91 Resp: 341365

Ion	Ratio	Lower	Upper
91	100		
106	51.1	35.6	75.6
51	10.1	0.0	29.6

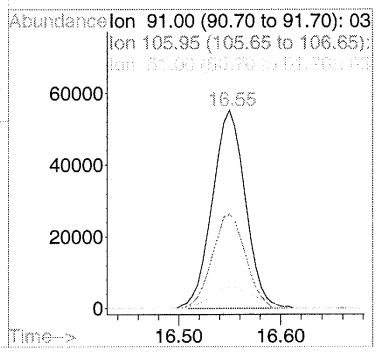




#52
o-Xylene
Concen: 0.73 ppbv
RT: 16.55 min Scan# 2229
Delta R.T. 0.00 min
Lab File: 03171132.D
Acq: 18 Mar 2011 10:00 am

Tgt Ion: 91 Resp: 124796

Ion	Ratio	Lower	Upper
91	100		
106	48.0	41.0	61.6
51	14.5	19.7	29.5#



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.357	55	89	131	rBV	5405861	55954739	100.00%	10.026%
2	5.671	132	149	187	rVB3	6097970	35474946	63.40%	6.356%
3	6.058	211	223	253	rVB	441173	1824787	3.26%	0.327%
4	6.309	255	271	286	rVV2	1470787	5523266	9.87%	0.990%
5	6.445	287	297	319	rVV4	339055	1706708	3.05%	0.306%
6	6.654	320	337	357	rVB4	224768	972122	1.74%	0.174%
7	7.010	390	405	420	rBV4	171313	614621	1.10%	0.110%
8	7.188	423	439	464	rBV	1588734	5625512	10.05%	1.008%
9	7.559	487	510	537	rBV	1508792	5412557	9.67%	0.970%
10	7.993	585	593	607	rVB2	201590	595122	1.06%	0.107%
11	8.171	614	627	639	rBV2	266232	852412	1.52%	0.153%
12	8.359	649	663	687	rBV	4455591	14836780	26.52%	2.658%
13	8.762	723	740	756	rBV3	5231741	19736585	35.27%	3.536%
14	8.924	762	771	787	rVB	618058	1863201	3.33%	0.334%
15	9.081	788	801	821	rBV	3036930	9090286	16.25%	1.629%
16	9.384	849	859	883	rVB	5671732	16853592	30.12%	3.020%
17	9.913	949	960	967	rBV2	626098	1865791	3.33%	0.334%
18	10.002	967	977	1003	rVB	3200088	9232383	16.50%	1.654%
19	10.211	1003	1017	1049	rBV	4631591	14178906	25.34%	2.541%
20	10.430	1049	1059	1073	rBV	645397	1626916	2.91%	0.292%
21	10.687	1097	1108	1114	rBV	373059	1002733	1.79%	0.180%
22	10.807	1114	1131	1146	rVV2	5057392	17483338	31.25%	3.133%
23	10.953	1146	1159	1166	rVV	4824424	13805083	24.67%	2.474%
24	11.032	1166	1174	1194	rVV3	7850913	24458225	43.71%	4.382%
25	11.210	1195	1208	1217	rVV	1730975	4738002	8.47%	0.849%
26	11.299	1217	1225	1226	rVV2	649782	1234130	2.21%	0.221%
27	11.361	1227	1237	1249	rVV	6504829	24227890	43.30%	4.341%
28	11.471	1249	1258	1262	rVV2	5185872	14164830	25.31%	2.538%
29	11.524	1262	1268	1293	rVB2	8323482	24174829	43.20%	4.332%
30	11.864	1323	1333	1346	rVB	2103771	5220060	9.33%	0.935%
31	12.015	1350	1362	1374	rVB2	364455	975662	1.74%	0.175%
32	12.198	1388	1397	1404	rBV	1171675	2755916	4.93%	0.494%
33	12.287	1404	1414	1423	rBV	2966778	7983201	14.27%	1.430%
34	12.392	1424	1434	1455	rVB	8270105	25926135	46.33%	4.645%
35	12.570	1455	1468	1473	rBV2	924014	2744158	4.90%	0.492%
36	12.622	1473	1478	1492	rVB	1231668	2956359	5.28%	0.530%
37	12.800	1496	1512	1527	rBV2	2605071	7490097	13.39%	1.342%
38	12.946	1527	1540	1546	rBV3	3432858	10375191	18.54%	1.859%
39	13.145	1567	1578	1595	rBV	2109940	6517325	11.65%	1.168%
40	13.270	1595	1602	1608	rVV	447400	1156276	2.07%	0.207%
41	13.344	1608	1616	1630	rVB	716841	2123047	3.79%	0.380%
42	13.474	1630	1641	1649	rBV5	211062	635472	1.14%	0.114%
43	13.574	1649	1660	1672	rVV	2735446	9705362	17.35%	1.739%

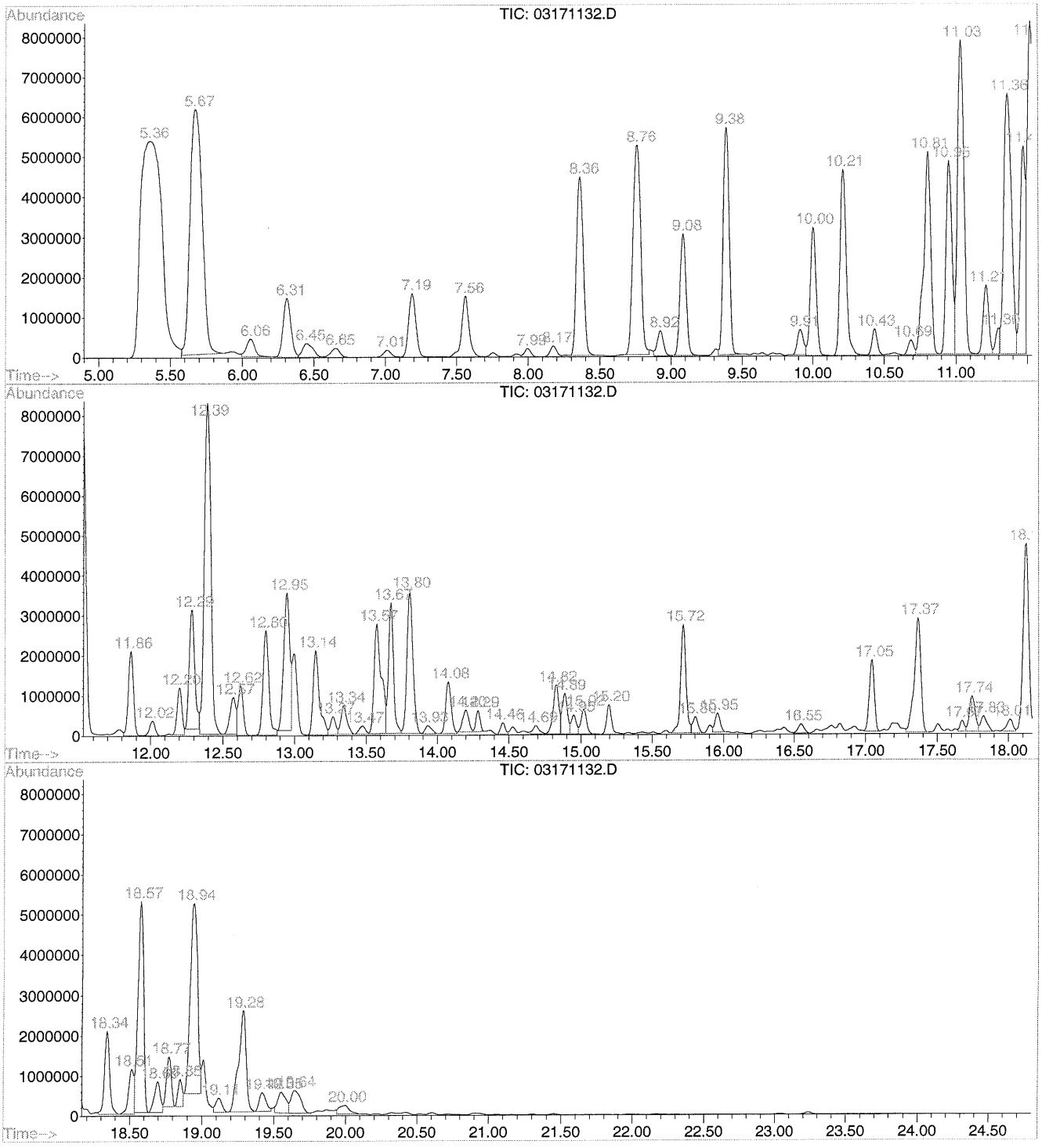
44	13.673	1672	1679	1693	rVV	3255198	7985324	14.27%	1.431%
45	13.804	1693	1704	1720	rVB	3554442	10401702	18.59%	1.864%
46	13.929	1720	1728	1742	rVB4	206688	671987	1.20%	0.120%
47	14.076	1744	1756	1768	rBV4	1302968	3555306	6.35%	0.637%
48	14.196	1768	1779	1789	rBV4	547317	1687946	3.02%	0.302%
49	14.285	1789	1796	1804	rVB	521925	1091922	1.95%	0.196%
50	14.458	1821	1829	1836	rBV2	279569	625990	1.12%	0.112%
51	14.688	1865	1873	1886	rVV2	209606	623764	1.11%	0.112%
52	14.824	1886	1899	1905	rVV	1223882	3413246	6.10%	0.612%
53	14.887	1906	1911	1918	rVV	1017241	2510465	4.49%	0.450%
54	14.949	1918	1923	1929	rVV2	472728	1149697	2.05%	0.206%
55	15.017	1929	1936	1949	rVB	621447	1638065	2.93%	0.294%
56	15.195	1958	1970	1989	rBV	740049	1859094	3.32%	0.333%
57	15.718	2053	2070	2080	rVV	2707229	7167853	12.81%	1.284%
58	15.802	2081	2086	2097	rVB	410497	1001302	1.79%	0.179%
59	15.953	2109	2115	2126	rVB2	472966	1216576	2.17%	0.218%
60	16.550	2218	2229	2240	rVB6	227616	649184	1.16%	0.116%
61	17.047	2313	2324	2334	rVB	1787037	4342604	7.76%	0.778%
62	17.366	2369	2385	2398	rVB3	2858432	9083610	16.23%	1.628%
63	17.674	2438	2444	2449	rVV	269721	591588	1.06%	0.106%
64	17.742	2449	2457	2466	rVV3	889453	2564029	4.58%	0.459%
65	17.826	2466	2473	2486	rVB2	391165	1201593	2.15%	0.215%
66	18.009	2495	2508	2516	rBV3	299187	890501	1.59%	0.160%
67	18.124	2517	2530	2541	rBV	4654730	12735645	22.76%	2.282%
68	18.338	2560	2571	2588	rVB	2079108	5252143	9.39%	0.941%
69	18.511	2588	2604	2608	rBV	1126500	3012661	5.38%	0.540%
70	18.574	2608	2616	2627	rVB	5242512	14172702	25.33%	2.539%
71	18.694	2627	2639	2646	rBV3	775789	2318949	4.14%	0.416%
72	18.773	2646	2654	2662	rVB3	1248428	2969236	5.31%	0.532%
73	18.851	2662	2669	2673	rBV	684254	1482659	2.65%	0.266%
74	18.940	2674	2686	2696	rBV2	4718335	16558151	29.59%	2.967%
75	19.112	2713	2719	2732	rVB4	352674	1069046	1.91%	0.192%
76	19.280	2733	2751	2767	rBV4	2523200	9378554	16.76%	1.680%
77	19.416	2768	2777	2789	rBV2	468982	1578302	2.82%	0.283%
78	19.552	2794	2803	2813	rVV4	520115	2175762	3.89%	0.390%
79	19.641	2813	2820	2840	rVB6	570982	2682487	4.79%	0.481%
80	19.996	2877	2888	2910	rVB3	220049	1097700	1.96%	0.197%

Sum of corrected areas: 558101898

03171132.D 031611V1.M Wed Apr 13 15:47:45 2011

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\031711\03171132.D
Operator : Michael Truchan
Acquired : 18 Mar 2011 10:00 am using AcqMethod 031611V1
Instrument : GC/MS Ins
Sample Name: 1103120-004A
Misc Info : SAMP EPA_TO15-ug/m3
Vial Number: 4
Quant File :031611V1.RES (RTE Integrator)



03171132.D 031611V1.M Wed Apr 13 15:47:45 2011

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 1 Ethylene oxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.36	40.01 ppbv	55954700	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	4
2	Ethylene oxide	44	C2H4O	000075-21-8	4
3	Acetaldehyde $$ Acetic aldehyde $$	44	C2H4O	000075-07-0	3
4	Ethyne, fluoro- $$ Acetylene, fluor	44	C2HF	002713-09-9	3
5	Acetaldehyde	44	C2H4O	000075-07-0	3

****

Peak Number 2 1-Propene, 2-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	3.95 ppbv	5523270	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
3	1-Butene	56	C4H8	000106-98-9	87
4	1-Butene	56	C4H8	000106-98-9	87
5	1-Butene	56	C4H8	000106-98-9	87

****

Peak Number 3 Butane, 2-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	4.02 ppbv	5625510	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2	Butane, 2-methyl-	72	C5H12	000078-78-4	86
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	Oxirane, trimethyl- $$ Butane, 2,3-	86	C5H10O	005076-19-7	36
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 4 Pentane Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	3.87 ppbv	5412560	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane $$ n-Pentane $$ Skellysolve	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	64
4	Oxirane, ethyl-	72	C4H8O	000106-88-7	50
5	Butane, 2-methyl-	72	C5H12	000078-78-4	38

****

Peak Number 5 Pentane, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	14.11 ppbv	19736600	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl- $$ Isohexane $$	86	C6H14	000107-83-5	91
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	70
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	53

****

Peak Number 6 Pentane, 3-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	6.50 ppbv	9090290	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl- $$ 3-Methylpenta	86	C6H14	000096-14-0	90
4	Oxirane, (1-methylethyl)- $$ Butane	86	C5H10O	001438-14-8	50
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	40

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 7 Pentane, 2,4-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	6.60 ppbv	9232380	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	87
3	Pentane, 2,4-dimethyl- $$ 2,4-Dimet	100	C7H16	000108-08-7	74
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53
5	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	50

****

Peak Number 8 Cyclopentane, methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	10.14 ppbv	14178900	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl- $$ Methylcycl	84	C6H12	000096-37-7	91
3	1H-Tetrazole, 5-methyl- $$ 5-Methyl	84	C2H4N4	004076-36-2	80
4	Cyclobutane, ethyl- $$ Ethylcyclobu	84	C6H12	004806-61-5	72
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	52

****

Peak Number 9 Pentane, 2,3-dimethyl- $$ 2,3- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	9.87 ppbv	13805100	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl- $$ 2,3-Dimet	100	C7H16	000565-59-3	95
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 10 Cyclopentane, 1,1-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	3.39 ppbv	4738000	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	72
2	Cyclopentane, 1,1-dimethyl- $$ Gem-	98	C7H14	001638-26-2	46
3	Cyclopentane, 1,1,2-trimethyl- $$ C	112	C8H16	004259-00-1	42
4	2-Chloro-2,4-dimethylpentane	134	C7H15Cl	035951-33-8	38
5	Cyclopentane, 1-ethyl-1-methyl- $$	112	C8H16	016747-50-5	32

****

Peak Number 11 Pentane, 2,2,4-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	58.02 ppbv	24227900	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4	Butane, 2,2,3,3-tetramethyl- $$ Eth	114	C8H18	000594-82-1	72
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59

****

Peak Number 12 Butane, 2,2,3,3-tetramethyl- $ Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.34 ppbv	975662	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl- $$ Eth	114	C8H18	000594-82-1	72
2	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	53
4	Pentane, 2,2,4,4-tetramethyl- $$ Di	128	C9H20	001070-87-7	53
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	50

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 13 Hexane, 2,5-dimethyl- $$ Biiso Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	6.60 ppbv	2755920	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	90
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	78
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	74
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	49
5	Heptane, 2-methyl-	114	C8H18	000592-27-8	49

****

Peak Number 14 Cyclopentane, 1,1,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	19.12 ppbv	7983200	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	47
2	Cyclopentane, 1,1,3-trimethyl- $$ 1	112	C8H16	004516-69-2	47
3	Hexane, 1-(hexyloxy)-3-methyl-	200	C13H28O	074421-18-4	38
4	Cyclopentane, 1,1-dimethyl- $$ Gem-	98	C7H14	001638-26-2	38
5	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	38

****

Peak Number 15 Cyclohexane, methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	62.08 ppbv	25926100	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	94
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
3	Furan, 2,5-dihydro-2,5-dimethyl-	98	C6H10O	059242-27-2	59
4	3-Penten-2-one, 4-methyl- $$ Aceton	98	C6H10O	000141-79-7	58
5	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	58

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 16 Cyclopentane, ethyl- $$ Ethylc Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	6.57 ppbv	2744160	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl- $$ Ethylcyclop	98	C7H14	001640-89-7	94
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	72
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	50
4	Cyclopentane, ethyl-	98	C7H14	001640-89-7	50
5	Cyclopentane, ethyl-	98	C7H14	001640-89-7	38

****

Peak Number 17 Cyclopentane, 1,2,4-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	7.08 ppbv	2956360	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	86
2	Cyclopentane, 1,2,4-trimethyl-, (1.	112	C8H16	004850-28-6	72
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	56
4	Cyclobutanone, 2,2,3-trimethyl- $$	112	C7H12O	001449-49-6	45
5	Cyclobutane, 2-ethyl-1-methyl-3-pro	140	C10H20	061233-72-5	39

****

Peak Number 18 Cyclopentane, 1,2,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	17.94 ppbv	7490100	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, (1.	112	C8H16	002613-69-6	60
2	1-Heptene, 4-methyl- $$ 4-Methyl-1-	112	C8H16	013151-05-8	59
3	1-Hexene, 4-ethyl- $$ 4-Ethyl-1-hex	112	C8H16	016746-85-3	53
4	Cyclopentane, 1,2,3-trimethyl-, (1.	112	C8H16	002613-69-6	45
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	45

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 19 Hexane, 2,5-dimethyl- $$ Biiso Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	24.84 ppbv	10375200	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	90
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	83
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58

****

Peak Number 20 Heptane, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	15.61 ppbv	6517330	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	90
2	Heptane, 3-methyl- $$ 3-Methylhepta	114	C8H18	000589-81-1	72
3	Hexane, 2,4-dimethyl- $$ 2,4-Dimeth	114	C8H18	000589-43-5	50
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
5	Hexane, 3-ethyl- $$ 3-Ethylhexane	114	C8H18	000619-99-8	47

****

Peak Number 21 1-Heptene, 6-methyl- $$ 6-Meth Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.77 ppbv	1156280	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 6-methyl- $$ 6-Methyl-1-	112	C8H16	005026-76-6	72
2	Cyclopentane, 1,1,2-trimethyl- $$ C	112	C8H16	004259-00-1	49
3	3-Methyl-2-hexene	98	C7H14	017618-77-8	43
4	Cyclopentane, 1-ethyl-2-methyl-, ci	112	C8H16	000930-89-2	35
5	Cyclopentane, 1,1-dimethyl- $$ Gem-	98	C7H14	001638-26-2	35

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 22 Hexane, 2,2,5-trimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	5.08 ppbv	2123050	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
3	Hexane, 2,2,4-trimethyl- $$ 2,2,4-T	128	C9H20	016747-26-5	64
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	50

****

Peak Number 23 Cyclohexane, 1,3-dimethyl-, ci Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	23.24 ppbv	9705360	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis- $$	112	C8H16	000638-04-0	95
2	Cyclohexane, 1,3-dimethyl- $$ 1,3-D	112	C8H16	000591-21-9	94
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	91
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91

****

Peak Number 24 Octane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	19.12 ppbv	7985320	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	87
2	Octane	114	C8H18	000111-65-9	83
3	Octane $$ n-Octane $$ n-C8H18 $$ Ok	114	C8H18	000111-65-9	83
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	78
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 25 Cyclohexane, 1,2-dimethyl-, tr Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	6.20 ppbv	3555310	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	81
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	76

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Peak Number 26 Cyclohexane, 1,4-dimethyl-, tr Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	2.94 ppbv	1687950	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	96
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	93
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	93
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	93
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	83

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Peak Number 27 Heptane, 2,6-dimethyl- $$ 2,6- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	1.90 ppbv	1091920	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl- $$ 2,6-Dimet	128	C9H20	001072-05-5	72
2	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	62
3	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	59
4	Decane, 2-methyl-	156	C11H24	006975-98-0	56
5	Nonane	128	C9H20	000111-84-2	52

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 28 Cyclohexane, ethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	5.95 ppbv	3413250	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	95
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	78

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Peak Number 29 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	4.38 ppbv	2510470	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl- $$ Cy	126	C9H18	003073-66-3	33
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	28
3	Cyclohexane, 1,3,5-trimethyl-, (1.a	126	C9H18	001795-26-2	17
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	16
5	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	10

****

Peak Number 30 Hexane, 2,3,5-trimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	2.00 ppbv	1149700	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	64
2	Heptane, 2,3-dimethyl- $$ 2,3-Dimet	128	C9H20	003074-71-3	59
3	Hexane, 3-ethyl- $$ 3-Ethylhexane	114	C8H18	000619-99-8	59
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	58
5	Decane, 5,6-dimethyl- $$ 5,6-Dimeth	170	C12H26	001636-43-7	50

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 31 Heptane, 2,4-dimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	2.86 ppbv	1638070	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	62
2	Octane, 4-methyl-	128	C9H20	002216-34-4	58
3	Nonane, 4,5-dimethyl- $$ 4,5-Dimeth	156	C11H24	017302-23-7	50
4	Octane, 4-methyl- $$ 4-Methyloctane	128	C9H20	002216-34-4	50
5	2,6-Dimethyldecane	170	C12H26	013150-81-7	50

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Peak Number 32 Octane, 3-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	3.24 ppbv	1859090	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	38
2	1-Hexene, 2,5,5-trimethyl-	126	C9H18	062185-56-2	37
3	3-Undecene, 6-methyl-, (E)-	168	C12H24	074630-52-7	35
4	1-Hexene, 5,5-dimethyl- $$ 5,5-Dime	112	C8H16	007116-86-1	30
5	Octane, 3-methyl- $$ 3-Methyloctane	128	C9H20	002216-33-3	27

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Peak Number 33 Octane, 2,5,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.05	7.57 ppbv	4342600	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	64
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59
3	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	59
4	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59
5	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	53

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 34 Undecane, 5-methyl- $$ 5-Methy Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	4.47 ppbv	2564030	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-methyl- $$ 5-Methylunde	170	C12H26	001632-70-8	50
2	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	50
3	Octane, 2-methyl-	128	C9H20	003221-61-2	50
4	Decane, 3,8-dimethyl- $$ 3,8-Dimeth	170	C12H26	017312-55-9	50
5	Hexadecane	226	C16H34	000544-76-3	50

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Peak Number 35 1,1-Dimethylpropyl 2-ethylhexa Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	2.10 ppbv	1201590	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Dimethylpropyl 2-ethylhexanoate	214	C13H26O2	005421-13-6	42
2	Octane, 3,3-dimethyl- $$ 3,3-Dimeth	142	C10H22	004110-44-5	38
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	38
4	Decane, 3,3,4-trimethyl- $$ 3,3,4-T	184	C13H28	049622-18-6	23
5	3-Octen-2-ol, 2-methyl-, (Z)-	142	C9H18O	018521-07-8	23

****

Peak Number 36 Dodecane, 2,7,10-trimethyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	1.55 ppbv	890501	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	80
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
4	Dodecane, 2,6,10-trimethyl- $$ Farn	212	C15H32	003891-98-3	64
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	59

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 37 Dodecane, 2,2,11,11-tetramethy Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	22.21 ppbv	12735600	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	83
2	Tetradecane, 2,2-dimethyl-	226	C16H34	000000-00-0	72
3	Decane, 2,2,7-trimethyl-	184	C13H28	062237-99-4	72
4	Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	64
5	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	64

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Peak Number 38 Dodecane, 2,2,11,11-tetramethy Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	9.16 ppbv	5252140	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	78
2	Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	72
3	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	72
4	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	72
5	Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	72

****

Peak Number 39 Undecane, 2,5-dimethyl- $$ 2,5 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	5.25 ppbv	3012660	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,5-dimethyl- $$ 2,5-Dime	184	C13H28	017301-22-3	53
2	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	50
3	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	50
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	47
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	47

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 40 Undecane, 5,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	24.72 ppbv	14172700	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	72
2	Hexane, 3,3-dimethyl- $$ 3,3-Dimeth	114	C8H18	000563-16-6	64
3	Heneicosane $$ n-Heneicosane	296	C21H44	000629-94-7	64
4	Heptadecane, 8-methyl- $$ 8-Methylh	254	C18H38	013287-23-5	56
5	Decane, 3-methyl-	156	C11H24	013151-34-3	56

****

Peak Number 41 Decane, 5-propyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	4.04 ppbv	2318950	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-propyl-	184	C13H28	017312-62-8	53
2	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	53
3	Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	50
4	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	40
5	Furan, tetrahydro-2-(methoxymethyl)	116	C6H12O2	019354-27-9	35

****

Peak Number 42 Undecane, 2,9-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	5.18 ppbv	2969240	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	78
2	Dodecane, 3-methyl- $$ 3-Methyldode	184	C13H28	017312-57-1	72
3	Nonane, 3,7-dimethyl- $$ 3,7-Dimeth	156	C11H24	017302-32-8	58
4	Decane	142	C10H22	000124-18-5	56
5	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	53

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 43 Hexane, 2,2,5-trimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.59 ppbv	1482660	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	53
2	Heptane, 2,2,4-trimethyl- $$ 2,2,4-	142	C10H22	014720-74-2	50
3	Dodecane, 3-methyl- $$ 3-Methyldode	184	C13H28	017312-57-1	50
4	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	50
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	47

****

Peak Number 44 Heptane, 5-ethyl-2,2,3-trimeth Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	28.88 ppbv	16558200	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 5-ethyl-2,2,3-trimethyl-	170	C12H26	062199-06-8	56
2	Tetradecane, 2,2-dimethyl-	226	C16H34	000000-00-0	53
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	53
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	53
5	Heptane, 2,2-dimethyl- $$ 2,2-Dimet	128	C9H20	001071-26-7	50

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Peak Number 45 Heptane, 2,2,3,4,6,6-hexamethy Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	1.86 ppbv	1069050	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,3,4,6,6-hexamethyl-	184	C13H28	062108-32-1	59
2	Hexane, 2,2,5-trimethyl- $$ 2,2,5-T	128	C9H20	003522-94-9	47
3	Heptane, 2,2-dimethyl- $$ 2,2-Dimet	128	C9H20	001071-26-7	47
4	Pentadecane, 6-methyl-	226	C16H34	010105-38-1	47
5	Dodecane, 3-methyl- $$ 3-Methyldode	184	C13H28	017312-57-1	42

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 46 Decane, 3,3,5-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	16.36 ppbv	9378550	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,3,5-trimethyl-	184	C13H28	062338-13-0	53
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	47
3	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	47
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	47
5	Decane, 2,3,4-trimethyl-	184	C13H28	062238-15-7	43

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Peak Number 47 Dodecane, 2,7,10-trimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.42	2.75 ppbv	1578300	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
2	Undecane, 3,3-dimethyl-	184	C13H28	017312-65-1	72
3	Decane, 2,8,8-trimethyl-	184	C13H28	000000-00-0	72
4	Decane, 3,3,5-trimethyl-	184	C13H28	062338-13-0	72
5	Decane, 3,3,6-trimethyl-	184	C13H28	062338-14-1	64

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Peak Number 48 Decane, 2,4,6-trimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.55	3.79 ppbv	2175760	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	59
2	Decane, 3-methyl- $$ 3-Methyldecane	156	C11H24	013151-34-3	59
3	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	53
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	52
5	Heptane, 2,4-dimethyl- $$ 2,4-Dimet	128	C9H20	002213-23-2	52

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 49 Eicosane Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	4.68 ppbv	2682490	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	50
2	Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	42
3	Pentane, 2,3,3-trimethyl- $$ 2,3,3-	114	C8H18	000560-21-4	40
4	2-Bromononane $$ sec-Nonyl bromide	206	C9H19Br	002216-35-5	40
5	2,3-Dimethyldecane	170	C12H26	017312-44-6	40

****

Peak Number 50 3-Undecene, 9-methyl-, (Z)- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	1.91 ppbv	1097700	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Undecene, 9-methyl-, (Z)-	168	C12H24	074630-50-5	43
2	Hexanal, 4-methyl-	114	C7H14O	041065-97-8	38
3	2,3-Dimethyl-1-hexene	112	C8H16	1674686-45-3	38
4	Bicyclo[2.2.2]octan-1-ol $$ 1-Hydro	126	C8H14O	020534-58-1	32
5	2-Undecenal $$ Undec-2-enal $$ 2-Un	168	C11H20O	002463-77-6	22

Tentatively Identified Compound (LSC) summary

Operator ID: Michael Truchan Date Acquired: 18 Mar 2011 10:00 am
Data File: C:\HPCHEM\1\DATA\031711\03171132.D
Name: 1103120-004A
Misc: SAMP EPA_TO15-ug/m3
Method: C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title: TO15 ppbv
Library Searched: C:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Ethylene oxide	5.36	40.0	ppbv	55954700	ISTD01	10.76	17483300	12.5
1-Propene, 2-methyl-	6.31	3.9	ppbv	5523270	ISTD01	10.76	17483300	12.5
Butane, 2-methyl-	7.19	4.0	ppbv	5625510	ISTD01	10.76	17483300	12.5
Pentane	7.56	3.9	ppbv	5412560	ISTD01	10.76	17483300	12.5
Pentane, 2-methyl-	8.76	14.1	ppbv	19736600	ISTD01	10.76	17483300	12.5
Pentane, 3-methyl-	9.08	6.5	ppbv	9090290	ISTD01	10.76	17483300	12.5
Pentane, 2,4-dimethy	10.00	6.6	ppbv	9232380	ISTD01	10.76	17483300	12.5
Cyclopentane, methyl	10.21	10.1	ppbv	14178900	ISTD01	10.76	17483300	12.5
Pentane, 2,3-dimethy	10.95	9.9	ppbv	13805100	ISTD01	10.76	17483300	12.5
Cyclopentane, 1,1-di	11.21	3.4	ppbv	4738000	ISTD01	10.76	17483300	12.5
Pentane, 2,2,4-trime	11.36	58.0	ppbv	24227900	ISTD02	11.86	5220060	12.5
Butane, 2,2,3,3-tetr	12.02	2.3	ppbv	975662	ISTD02	11.86	5220060	12.5
Hexane, 2,5-dimethyl	12.20	6.6	ppbv	2755920	ISTD02	11.86	5220060	12.5
Cyclopentane, 1,1,3-	12.29	19.1	ppbv	7983200	ISTD02	11.86	5220060	12.5
Cyclohexane, methyl-	12.39	62.1	ppbv	25926100	ISTD02	11.86	5220060	12.5
Cyclopentane, ethyl-	12.57	6.6	ppbv	2744160	ISTD02	11.86	5220060	12.5
Cyclopentane, 1,2,4-	12.62	7.1	ppbv	2956360	ISTD02	11.86	5220060	12.5
Cyclopentane, 1,2,3-	12.80	17.9	ppbv	7490100	ISTD02	11.86	5220060	12.5
Hexane, 2,5-dimethyl	12.95	24.8	ppbv	10375200	ISTD02	11.86	5220060	12.5
Heptane, 3-methyl-	13.14	15.6	ppbv	6517330	ISTD02	11.86	5220060	12.5
1-Heptene, 6-methyl-	13.27	2.8	ppbv	1156280	ISTD02	11.86	5220060	12.5
Hexane, 2,2,5-trimet	13.34	5.1	ppbv	2123050	ISTD02	11.86	5220060	12.5
Cyclohexane, 1,3-dim	13.57	23.2	ppbv	9705360	ISTD02	11.86	5220060	12.5
Octane	13.67	19.1	ppbv	7985320	ISTD02	11.86	5220060	12.5
Cyclohexane, 1,2-dim	14.08	6.2	ppbv	3555310	ISTD03	15.72	7167850	12.5
Cyclohexane, 1,4-dim	14.20	2.9	ppbv	1687950	ISTD03	15.72	7167850	12.5
Heptane, 2,6-dimethy	14.29	1.9	ppbv	1091920	ISTD03	15.72	7167850	12.5
Cyclohexane, ethyl-	14.82	6.0	ppbv	3413250	ISTD03	15.72	7167850	12.5
Cyclohexane, 1,1,3-t	14.89	4.4	ppbv	2510470	ISTD03	15.72	7167850	12.5
Hexane, 2,3,5-trimet	14.95	2.0	ppbv	1149700	ISTD03	15.72	7167850	12.5
Heptane, 2,4-dimethy	15.02	2.9	ppbv	1638070	ISTD03	15.72	7167850	12.5
Octane, 3-methyl-	15.20	3.2	ppbv	1859090	ISTD03	15.72	7167850	12.5
Octane, 2,5,6-trimet	17.05	7.6	ppbv	4342600	ISTD03	15.72	7167850	12.5
Undecane, 5-methyl-	17.74	4.5	ppbv	2564030	ISTD03	15.72	7167850	12.5
1,1-Dimethylpropyl 2	17.83	2.1	ppbv	1201590	ISTD03	15.72	7167850	12.5
Dodecane, 2,7,10-tri	18.01	1.6	ppbv	890501	ISTD03	15.72	7167850	12.5
Dodecane, 2,2,11,11-	18.12	22.2	ppbv	12735600	ISTD03	15.72	7167850	12.5
Dodecane, 2,2,11,11-	18.34	9.2	ppbv	5252140	ISTD03	15.72	7167850	12.5
Undecane, 2,5-dimeth	18.51	5.3	ppbv	3012660	ISTD03	15.72	7167850	12.5
Undecane, 5,7-dimeth	18.57	24.7	ppbv	14172700	ISTD03	15.72	7167850	12.5
Decane, 5-propyl-	18.69	4.0	ppbv	2318950	ISTD03	15.72	7167850	12.5
Undecane, 2,9-dimeth	18.77	5.2	ppbv	2969240	ISTD03	15.72	7167850	12.5
Hexane, 2,2,5-trimet	18.85	2.6	ppbv	1482660	ISTD03	15.72	7167850	12.5
Heptane, 5-ethyl-2,2	18.94	28.9	ppbv	16558200	ISTD03	15.72	7167850	12.5
Heptane, 2,2,3,4,6,6	19.11	1.9	ppbv	1069050	ISTD03	15.72	7167850	12.5
Decane, 3,3,5-trimet	19.28	16.4	ppbv	9378550	ISTD03	15.72	7167850	12.5
Dodecane, 2,7,10-tri	19.42	2.8	ppbv	1578300	ISTD03	15.72	7167850	12.5
Decane, 2,4,6-trimet	19.55	3.8	ppbv	2175760	ISTD03	15.72	7167850	12.5
Eicosane	19.64	4.7	ppbv	2682490	ISTD03	15.72	7167850	12.5
3-Undecene, 9-methyl	20.00	1.9	ppbv	1097700	ISTD03	15.72	7167850	12.5

03171132.D 031611V1.M Wed Apr 13 15:47:48 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:21 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	541117	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.87	114	1690887	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1039135	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	610946	11.73	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 93.84%				
Target Compounds							Qvalue
2) Propylene	5.69	41	5356590	132.05	ppbv	#	52
7) 1,3-Butadiene	6.46	39	283928	6.94	ppbv	#	84
8) Bromomethane	7.02	94	86526	1.82	ppbv	#	99
11) Ethanol	7.75	45	10550	1.17	ppbv	#	77
14) Acetone	8.37	43	6843417	102.62	ppbv	#	86
16) 2-Propanol	8.42	45	25309	0.53	ppbv	#	1
20) n-Hexane	9.40	57	3742068	47.36	ppbv		99
24) 2-Butanone	10.43	43	574199	8.35	ppbv		95
29) Cyclohexane	11.04	56	3099391	38.74	ppbv	#	71
31) Benzene	11.48	78	2294997	17.16	ppbv		94
34) Heptane	11.52	43	3446596	42.21	ppbv	#	93
41) Toluene	13.81	91	1852232	14.53	ppbv		100
50) Ethylbenzene	15.80	91	172765	1.43	ppbv		95
51) m,p-Xylene	15.95	91	155464	1.66	ppbv		94
52) o-Xylene	16.55	91	55683	0.61	ppbv	#	91

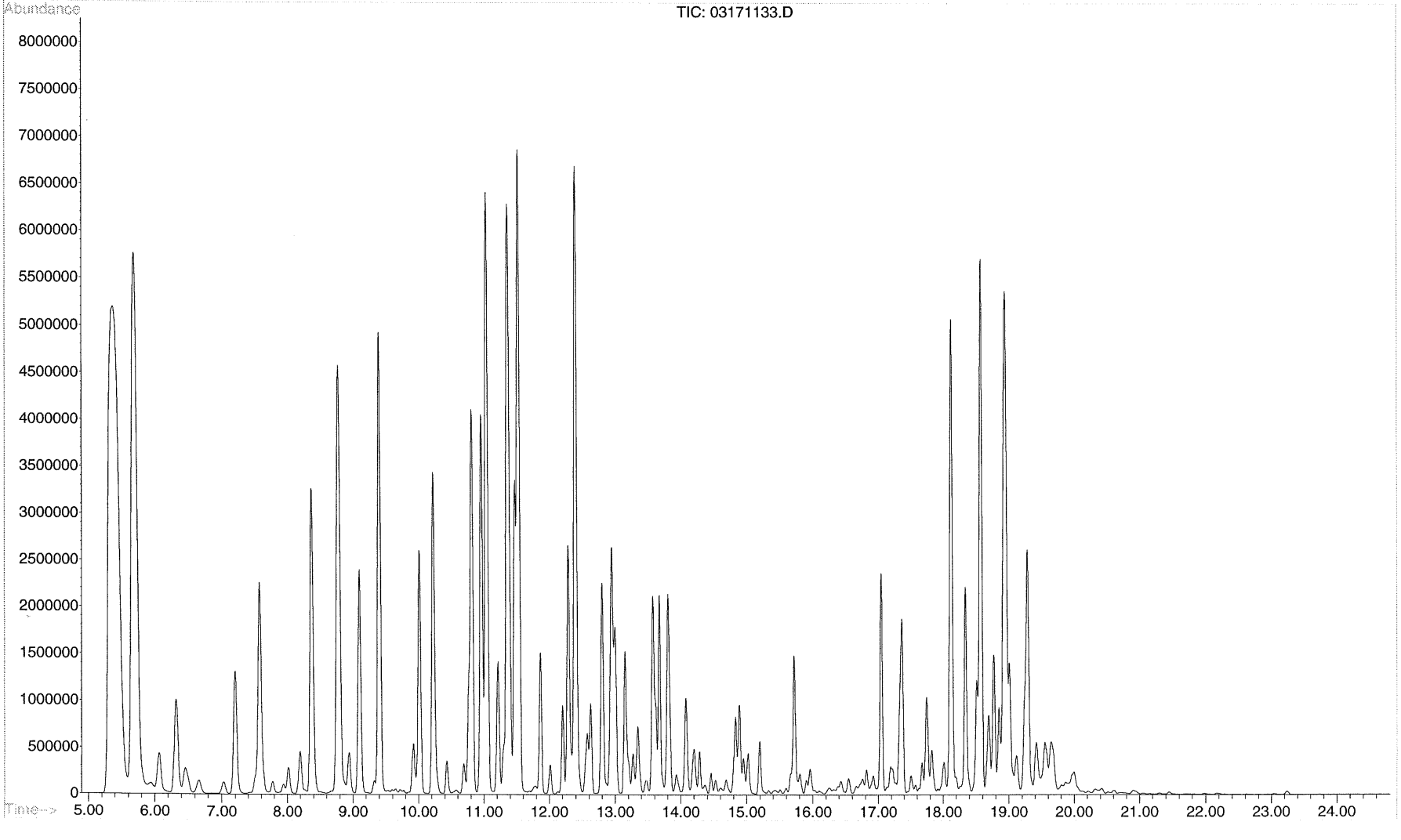
* = reported only CL 4/15/11

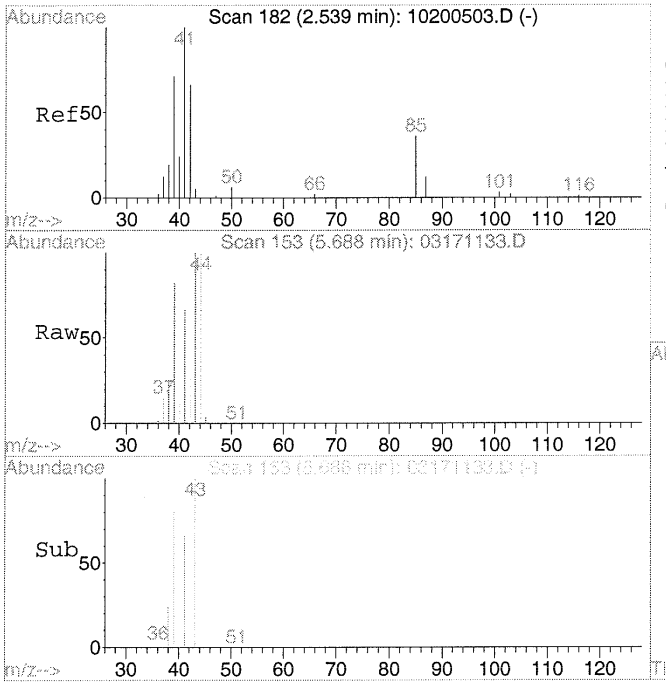
(#) = qualifier out of range (m) = manual integration
03171133.D 031611V1.M Wed Apr 13 15:47:54 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:21 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

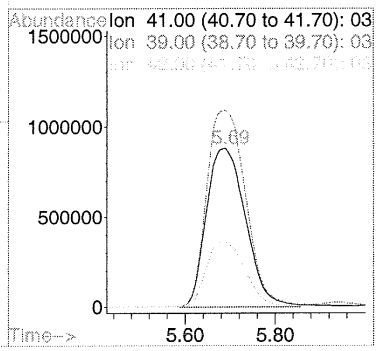


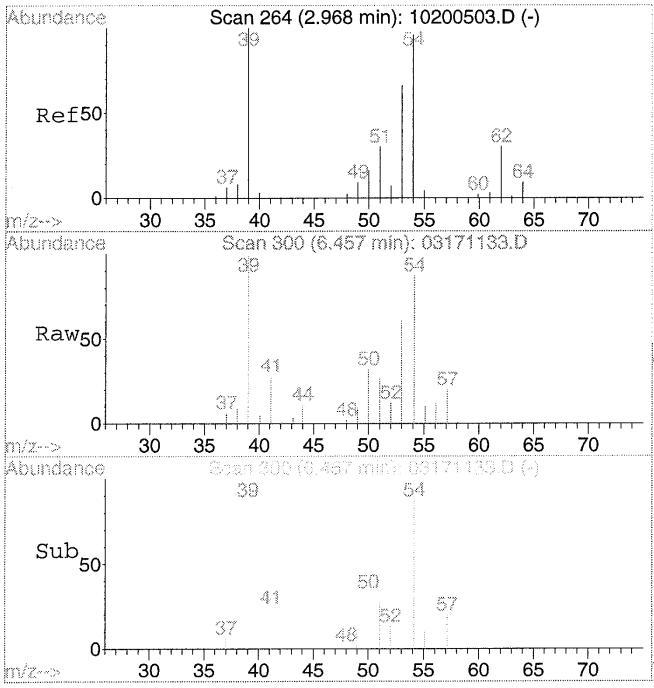


#2
Propylene
Concen: 132.05 ppbv
RT: 5.69 min Scan# 153
Delta R.T. 0.01 min
Lab File: 03171133.D
Acq: 18 Mar 2011 10:40 am

Tgt Ion: 41 Resp: 5356590

Ion	Ratio	Lower	Upper
41	100		
39	123.2	57.6	86.4#
42	41.0	54.0	81.0#

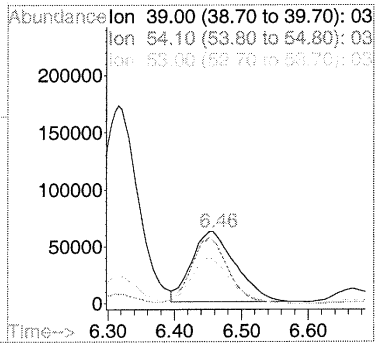


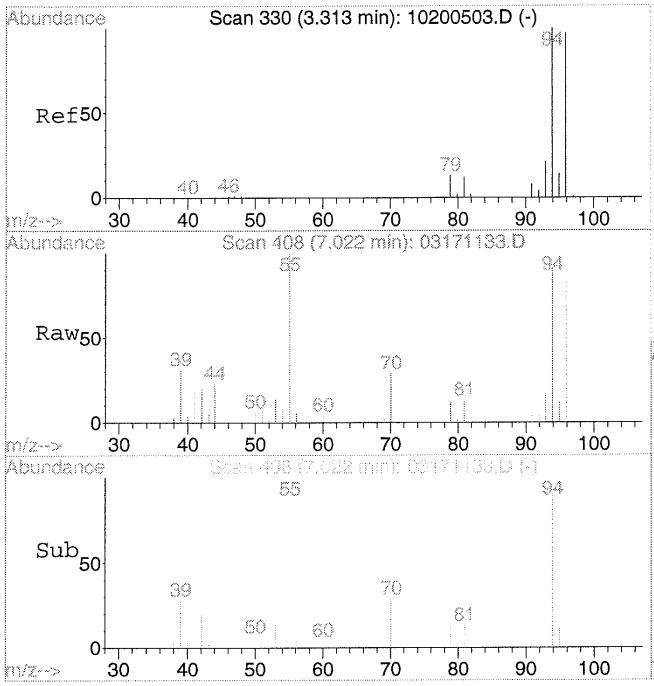


#7
1,3-Butadiene
Concen: 6.94 ppbv
RT: 6.46 min Scan# 300
Delta R.T. 0.02 min
Lab File: 03171133.D
Acq: 18 Mar 2011 10:40 am

Tgt Ion: 39 Resp: 283928

Ion	Ratio	Lower	Upper
39	100		
54	78.7	79.4	119.0#
53	58.6	53.2	79.8

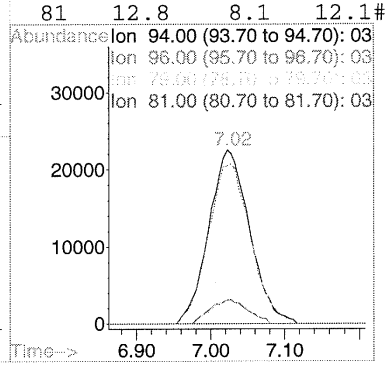


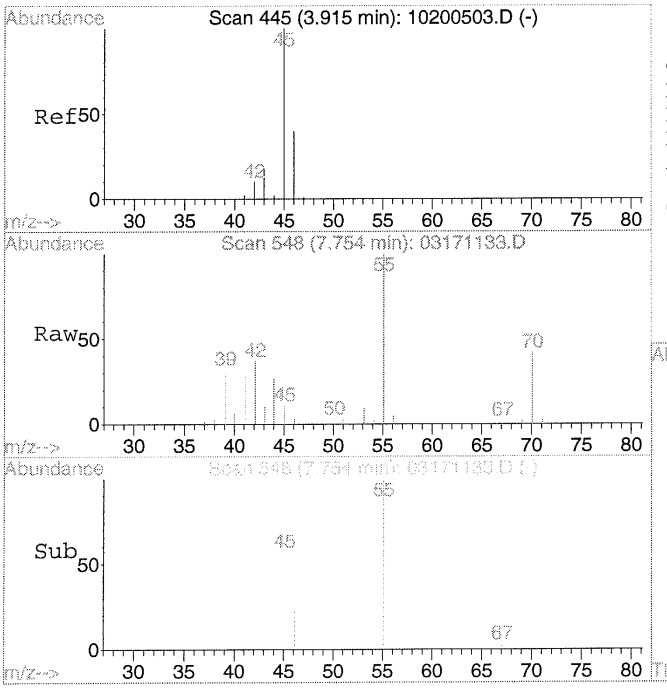


#8
Bromomethane
Concen: 1.82 ppbv
RT: 7.02 min Scan# 408
Delta R.T. -0.00 min
Lab File: 03171133.D
Acq: 18 Mar 2011 10:40 am

Tgt Ion: 94 Resp: 86526

Ion	Ratio	Lower	Upper
94	100		
96	94.9	76.0	114.0
79	12.8	8.1	12.1#
81	12.8	8.1	12.1#

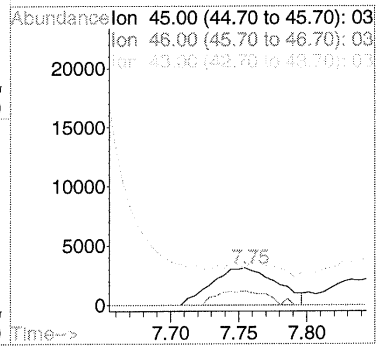


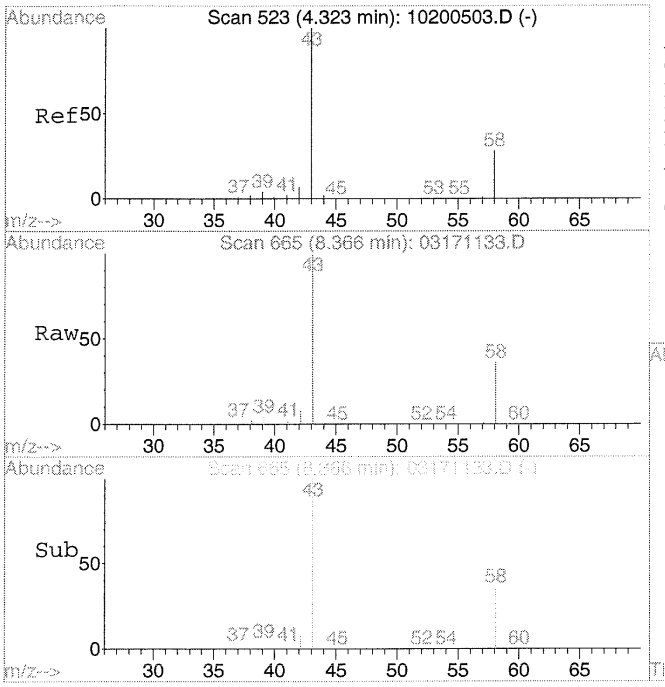


#11
Ethanol
Concen: 1.17 ppbv
RT: 7.75 min Scan# 548
Delta R.T. 0.02 min
Lab File: 03171133.D
Acq: 18 Mar 2011 10:40 am

Tgt Ion: 45 Resp: 10550

Ion	Ratio	Lower	Upper
45	100		
46	30.2	30.2	45.4#
43	0.0	15.8	23.6#

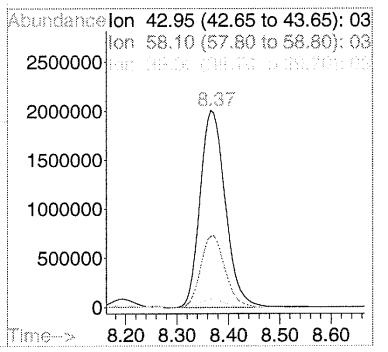


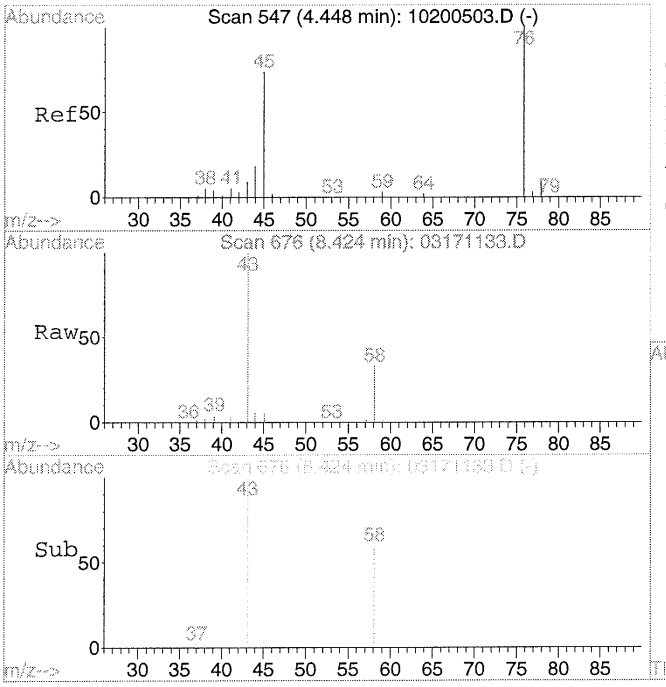


#14
Acetone
Concen: 102.62 ppbv
RT: 8.37 min Scan# 665
Delta R.T. 0.01 min
Lab File: 03171133.D
Acq: 18 Mar 2011 10:40 am

Tgt Ion: 43 Resp: 6843417

Ion	Ratio	Lower	Upper
43	100		
58	34.9	22.0	33.0#
39	4.1	6.5	9.7#

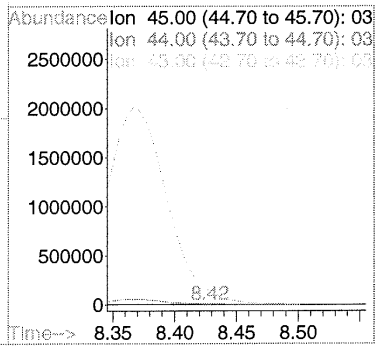


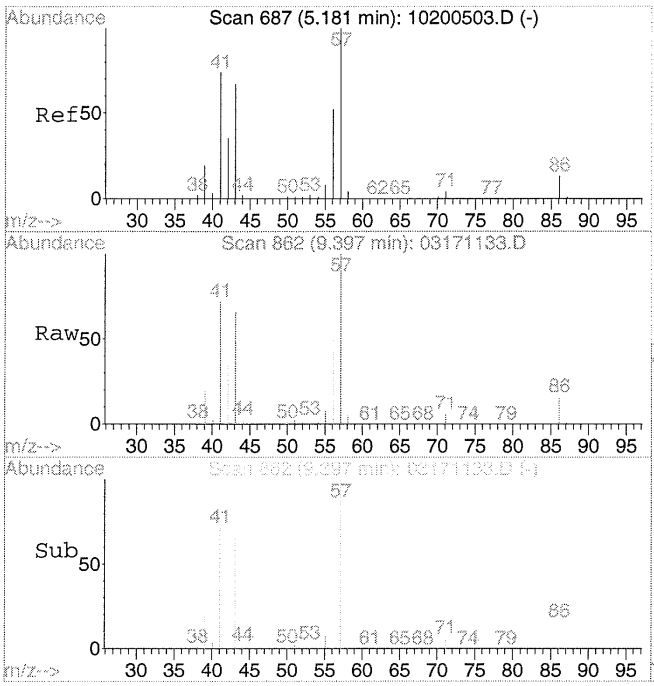


#16
2-Propanol
Concen: 0.53 ppbv
RT: 8.42 min Scan# 676
Delta R.T. 0.02 min
Lab File: 03171133.D
Acq: 18 Mar 2011 10:40 am

Tgt Ion: 45 Resp: 25309

Ion	Ratio	Lower	Upper
45	100		
44	0.0	5.2	7.8#
43	0.0	101.1	151.7#

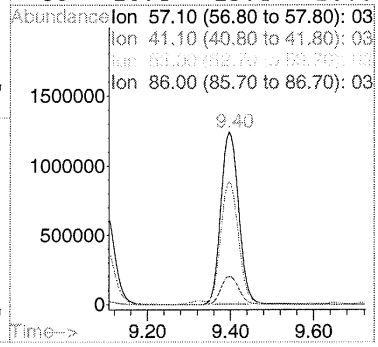


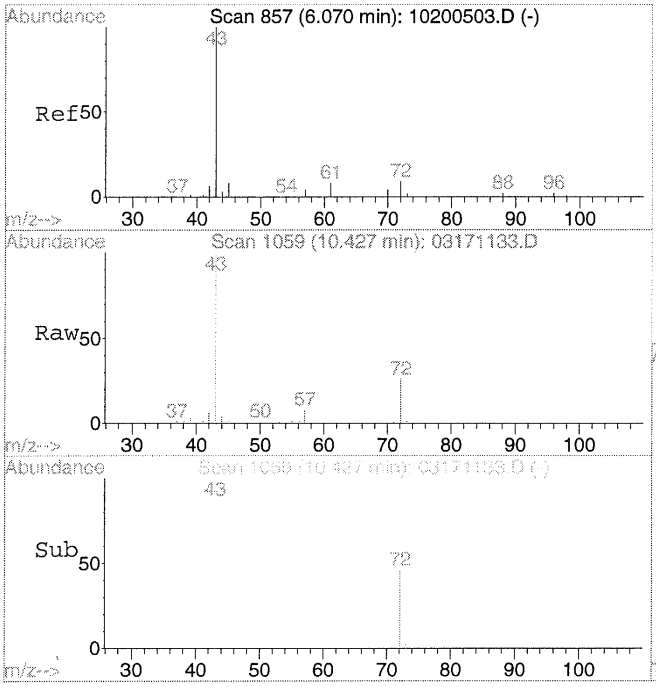


#20
n-Hexane
Concen: 47.36 ppbv
RT: 9.40 min Scan# 862
Delta R.T. 0.00 min
Lab File: 03171133.D
Acq: 18 Mar 2011 10:40 am

Tgt Ion: 57 Resp: 3742068

Ion	Ratio	Lower	Upper
57	100		
41	70.4	57.2	85.8
53	2.4	1.8	2.8
86	16.4	13.4	20.0

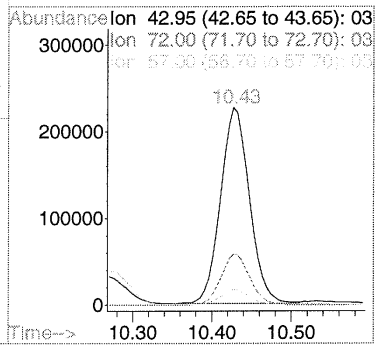


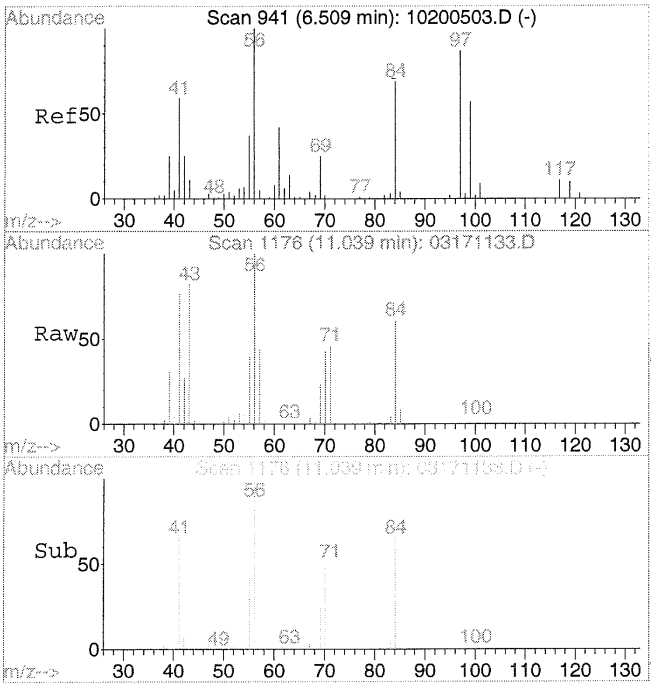


#24
2-Butanone
Concen: 8.35 ppbv
RT: 10.43 min Scan# 1059
Delta R.T. 0.01 min
Lab File: 03171133.D
Acq: 18 Mar 2011 10:40 am

Tgt Ion: 43 Resp: 574199

Ion	Ratio	Lower	Upper
43	100		
72	25.9	23.4	35.2
57	8.3	6.9	10.3

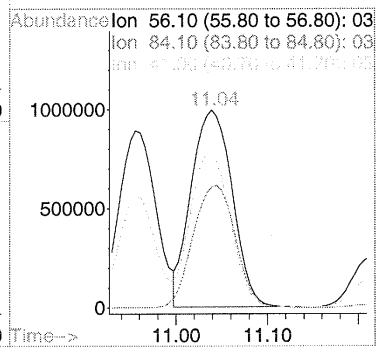


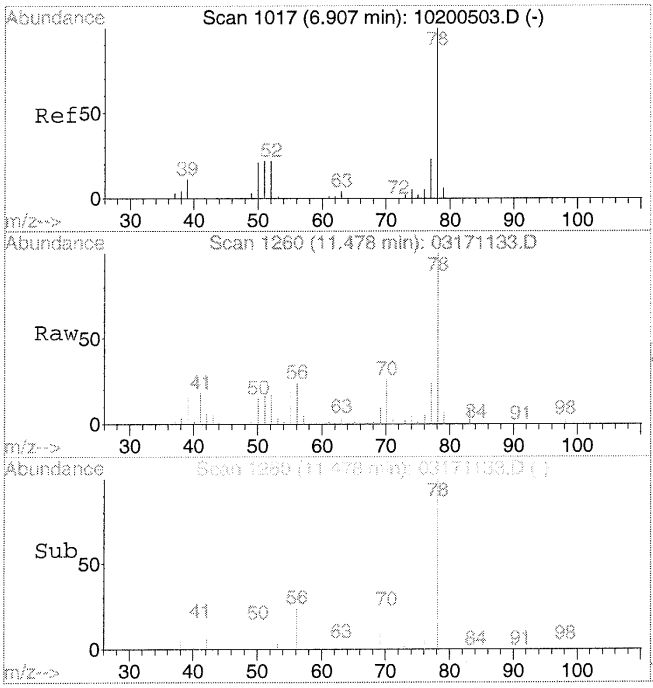


#29
Cyclohexane
Concen: 38.74 ppbv
RT: 11.04 min Scan# 1176
Delta R.T. 0.00 min
Lab File: 03171133.D
Acq: 18 Mar 2011 10:40 am

Tgt Ion: 56 Resp: 3099391

Ion	Ratio	Lower	Upper
56	100		
84	63.4	72.4	108.6#
41	75.8	43.8	65.8#

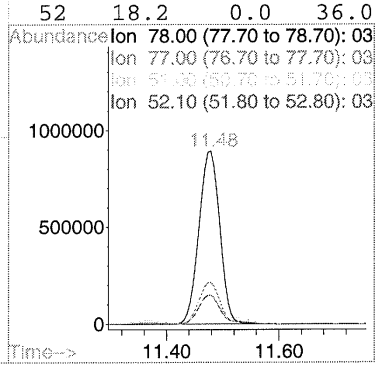


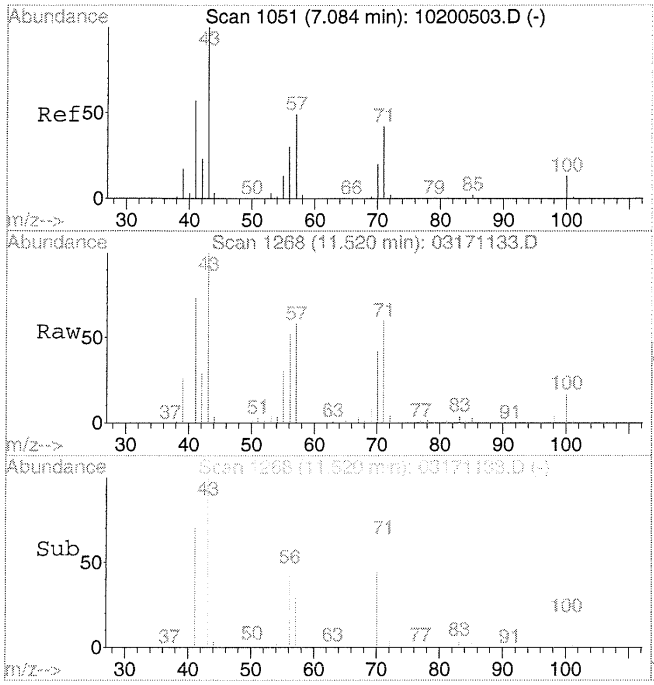


#31
Benzene
Concen: 17.16 ppbv
RT: 11.48 min Scan# 1260
Delta R.T. 0.01 min
Lab File: 03171133.D
Acq: 18 Mar 2011 10:40 am

Tgt Ion: 78 Resp: 2294997

Ion	Ratio	Lower	Upper
78	100		
77	25.4	3.7	43.7
51	21.1	0.0	36.1
52	18.2	0.0	36.0

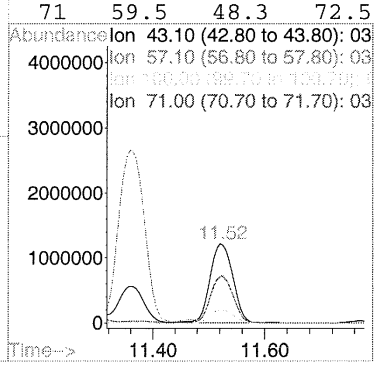


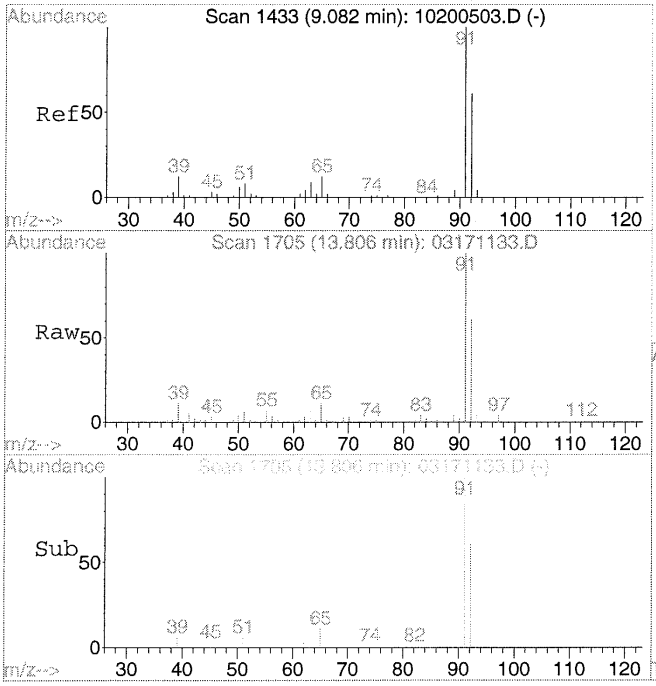


#34
Heptane
Concen: 42.21 ppbv
RT: 11.52 min Scan# 1268
Delta R.T. -0.00 min
Lab File: 03171133.D
Acq: 18 Mar 2011 10:40 am

Tgt Ion: 43 Resp: 3446596

Ion	Ratio	Lower	Upper
43	100		
57	60.6	42.2	63.4
100	16.5	17.3	25.9#
71	59.5	48.3	72.5

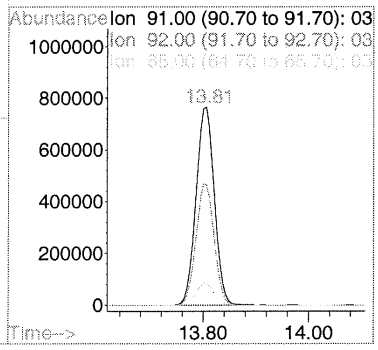


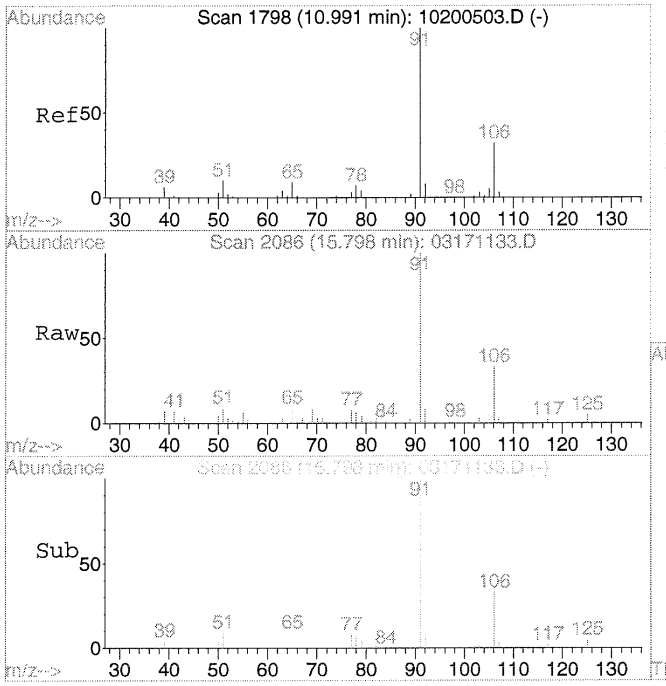


#41
Toluene
Concen: 14.53 ppbv
RT: 13.81 min Scan# 1705
Delta R.T. 0.00 min
Lab File: 03171133.D
Acq: 18 Mar 2011 10:40 am

Tgt Ion: 91 Resp: 1852232

Ion	Ratio	Lower	Upper
91	100		
92	60.8	40.5	80.5
65	11.3	0.0	31.2

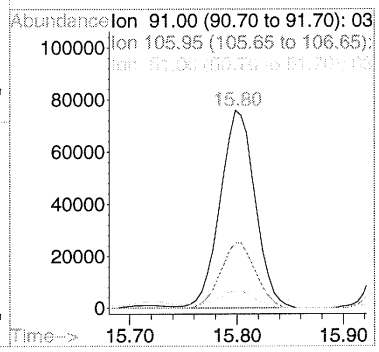


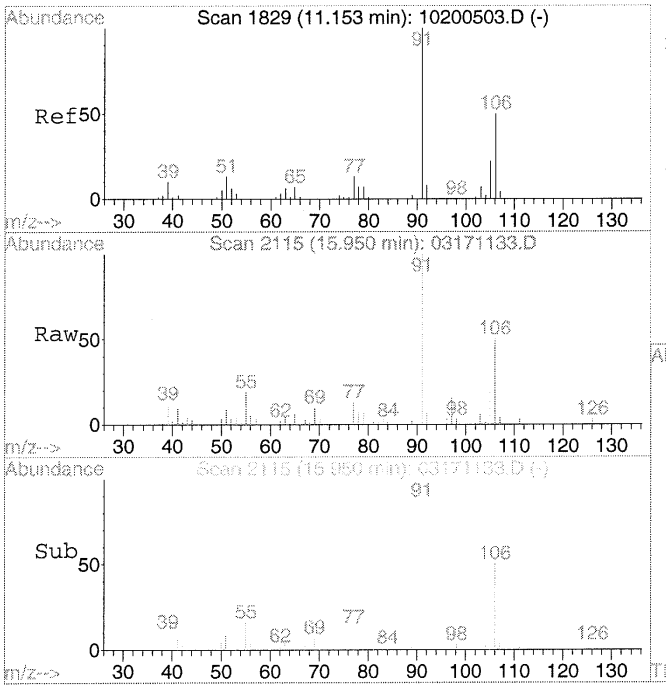


#50
Ethylbenzene
Concen: 1.43 ppbv
RT: 15.80 min Scan# 2086
Delta R.T. -0.00 min
Lab File: 03171133.D
Acq: 18 Mar 2011 10:40 am

Tgt Ion: 91 Resp: 172765

Ion	Ratio	Lower	Upper
91	100		
106	33.0	14.9	54.9
51	9.4	0.0	33.1

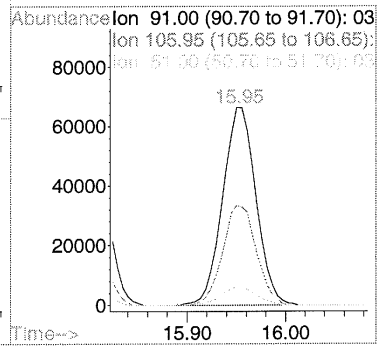


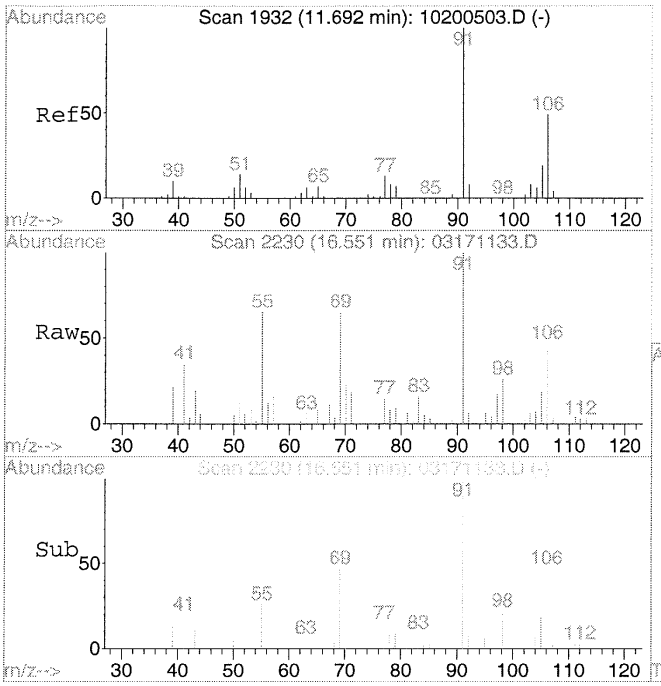


#51
m,p-Xylene
Concen: 1.66 ppbv
RT: 15.95 min Scan# 2115
Delta R.T. -0.01 min
Lab File: 03171133.D
Acq: 18 Mar 2011 10:40 am

Tgt Ion: 91 Resp: 155464

Ion	Ratio	Lower	Upper
91	100		
106	50.8	35.6	75.6
51	10.5	0.0	29.6

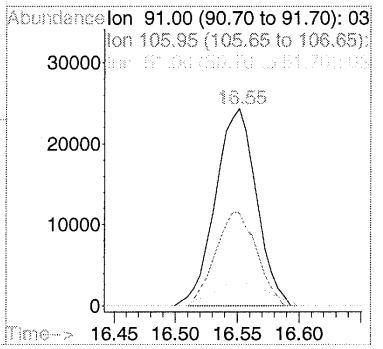




#52
o-Xylene
Concen: 0.61 ppbv
RT: 16.55 min Scan# 2230
Delta R.T. 0.00 min
Lab File: 03171133.D
Acq: 18 Mar 2011 10:40 am

Tgt Ion: 91 Resp: 55683

Ion	Ratio	Lower	Upper
91	100		
106	47.7	41.0	61.6
51	16.0	19.7	29.5#



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.369	57	92	133	rBV	5199545	55586339	100.00%	11.526%
2	5.683	135	152	190	rVB2	5677416	34291889	61.69%	7.111%
3	6.065	213	225	256	rVB2	421829	1767963	3.18%	0.367%
4	6.316	257	273	289	rVV3	997300	4036086	7.26%	0.837%
5	6.452	289	299	323	rVV5	267406	1369173	2.46%	0.284%
6	6.661	323	339	360	rVB5	138319	647374	1.16%	0.134%
7	7.200	426	442	473	rVB	1303792	4654091	8.37%	0.965%
8	7.571	490	513	539	rBV	2241675	8479735	15.26%	1.758%
9	8.016	589	598	616	rVB2	277557	889249	1.60%	0.184%
10	8.194	618	632	645	rBV	450021	1502791	2.70%	0.312%
11	8.366	653	665	689	rVB	3241403	10827131	19.48%	2.245%
12	8.774	727	743	765	rBV3	4543857	17399751	31.30%	3.608%
13	8.936	766	774	790	rVB	426984	1345245	2.42%	0.279%
14	9.099	791	805	831	rVB	2380051	7318709	13.17%	1.518%
15	9.397	851	862	882	rVB	4902577	14568004	26.21%	3.021%
16	9.914	950	961	969	rBV2	518185	1531097	2.75%	0.317%
17	10.009	969	979	1003	rVB	2595277	7507002	13.51%	1.557%
18	10.218	1006	1019	1049	rBV	3428494	10517977	18.92%	2.181%
19	10.427	1049	1059	1073	rBV	347384	907546	1.63%	0.188%
20	10.688	1098	1109	1115	rBV	314986	847054	1.52%	0.176%
21	10.809	1115	1132	1147	rVV2	4083917	13892793	24.99%	2.881%
22	10.955	1147	1160	1167	rVV	4027930	11268666	20.27%	2.337%
23	11.039	1167	1176	1194	rVV3	6392374	19905657	35.81%	4.128%
24	11.211	1197	1209	1218	rVV	1391765	3810969	6.86%	0.790%
25	11.363	1218	1238	1251	rVV	6267015	23796203	42.81%	4.934%
26	11.473	1251	1259	1262	rVV2	3330945	7923743	14.25%	1.643%
27	11.525	1262	1269	1295	rVB2	6846841	20892905	37.59%	4.332%
28	11.860	1324	1333	1350	rVB	1500190	3791955	6.82%	0.786%
29	12.017	1351	1363	1377	rVB	308004	811634	1.46%	0.168%
30	12.200	1388	1398	1405	rBV	926226	2193409	3.95%	0.455%
31	12.284	1405	1414	1424	rVV	2639025	7375469	13.27%	1.529%
32	12.394	1425	1435	1456	rVV	6679056	20543525	36.96%	4.260%
33	12.571	1456	1469	1473	rVV2	637821	1918749	3.45%	0.398%
34	12.624	1474	1479	1493	rVB	956199	2292430	4.12%	0.475%
35	12.796	1498	1512	1524	rBV2	2237568	6228425	11.20%	1.292%
36	12.948	1528	1541	1546	rBV2	2540399	7578714	13.63%	1.572%
37	13.147	1567	1579	1596	rBV2	1510244	4774154	8.59%	0.990%
38	13.267	1596	1602	1609	rVV	413484	1082545	1.95%	0.224%
39	13.340	1609	1616	1631	rVB	698381	2073211	3.73%	0.430%
40	13.576	1650	1661	1673	rVV	2076400	7182784	12.92%	1.489%
41	13.675	1673	1680	1694	rVV	2079398	4971403	8.94%	1.031%
42	13.806	1694	1705	1720	rVB3	2099073	6373187	11.47%	1.322%
43	13.931	1720	1729	1743	rVB3	183736	561059	1.01%	0.116%

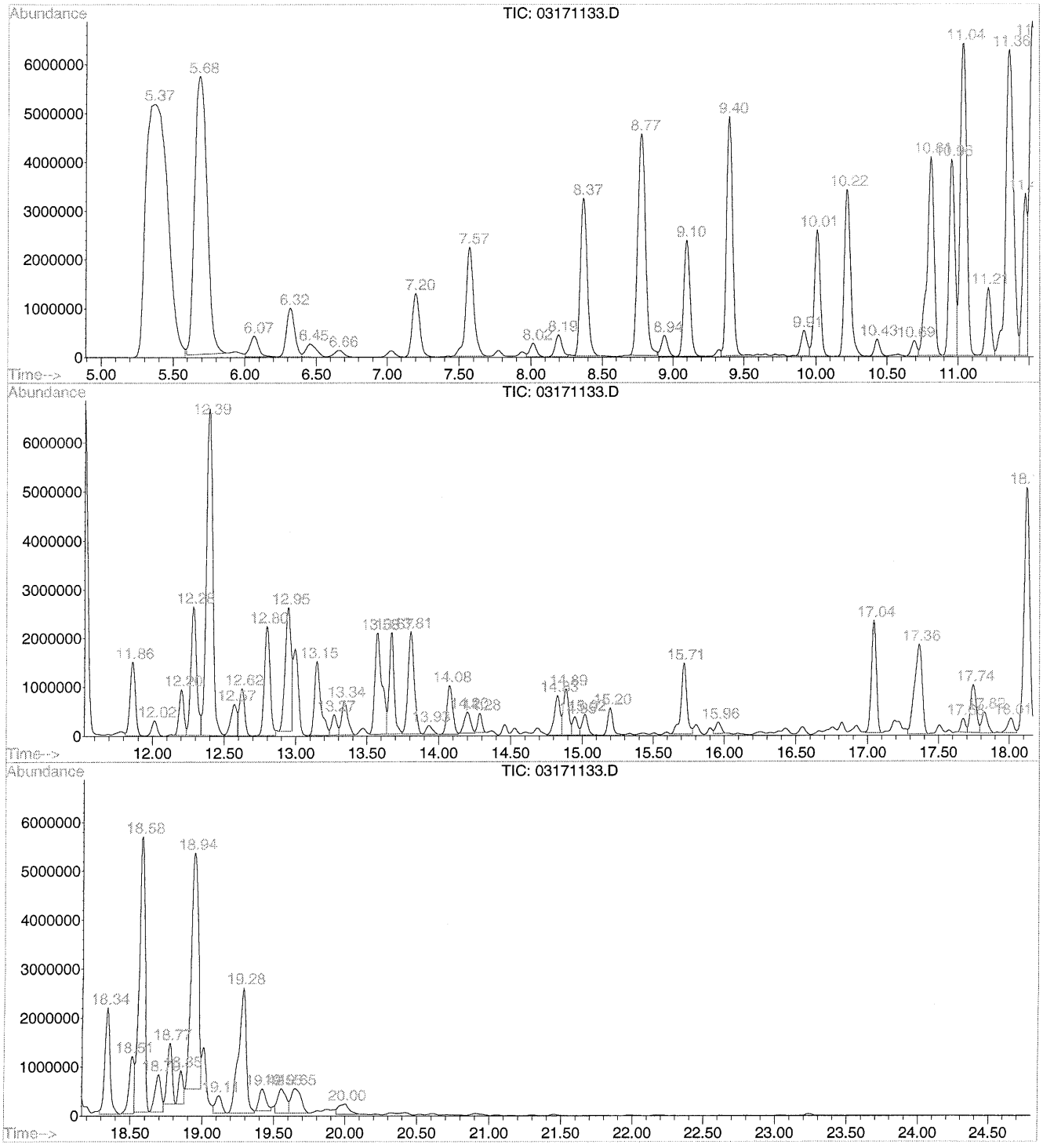
44	14.078	1745	1757	1769	rBV2	990437	2732979	4.92%	0.567%
45	14.198	1769	1780	1790	rBV5	432572	1367809	2.46%	0.284%
46	14.282	1790	1796	1805	rVB	386936	813957	1.46%	0.169%
47	14.826	1886	1900	1906	rVV	808489	2374589	4.27%	0.492%
48	14.888	1906	1912	1919	rVV	937075	2424282	4.36%	0.503%
49	14.951	1919	1924	1930	rVV3	371327	912581	1.64%	0.189%
50	15.019	1930	1937	1951	rVB3	422726	1147032	2.06%	0.238%
51	15.197	1960	1971	1991	rBV2	558563	1445293	2.60%	0.300%
52	15.715	2052	2070	2082	rVV2	1448002	4167270	7.50%	0.864%
53	15.960	2110	2117	2128	rVB3	230099	614590	1.11%	0.127%
54	17.043	2313	2324	2335	rVB	2310299	5504063	9.90%	1.141%
55	17.362	2370	2385	2398	rVB3	1844958	6891320	12.40%	1.429%
56	17.676	2437	2445	2450	rBV	278362	629826	1.13%	0.131%
57	17.744	2450	2458	2467	rVV2	980767	2804473	5.05%	0.582%
58	17.822	2467	2473	2486	rVB	432751	1230106	2.21%	0.255%
59	18.011	2495	2509	2517	rBV4	301616	909813	1.64%	0.189%
60	18.121	2517	2530	2542	rBV	4984762	13831084	24.88%	2.868%
61	18.340	2562	2572	2589	rVB	2174696	5509709	9.91%	1.142%
62	18.513	2590	2605	2608	rBV	1173399	2898043	5.21%	0.601%
63	18.576	2608	2617	2628	rVB	5623147	15564786	28.00%	3.228%
64	18.696	2628	2640	2646	rBV3	758860	2252874	4.05%	0.467%
65	18.774	2646	2655	2663	rVB3	1241541	2972904	5.35%	0.616%
66	18.848	2663	2669	2674	rBV	685428	1478193	2.66%	0.307%
67	18.942	2675	2687	2696	rBV2	4820959	16763899	30.16%	3.476%
68	19.114	2713	2720	2732	rVB3	356949	1126131	2.03%	0.234%
69	19.282	2732	2752	2768	rBV4	2556620	9554544	17.19%	1.981%
70	19.418	2768	2778	2790	rBV	451328	1532290	2.76%	0.318%
71	19.548	2795	2803	2814	rVV4	497882	2110033	3.80%	0.438%
72	19.648	2814	2822	2841	rVB5	501524	2386491	4.29%	0.495%
73	19.998	2877	2889	2911	rVB3	208197	1064576	1.92%	0.221%

Sum of corrected areas: 482253335

03171133.D 031611V1.M Wed Apr 13 15:48:04 2011

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\031711\03171133.D
Operator : Michael Truchan
Acquired : 18 Mar 2011 10:40 am using AcqMethod 031611V1
Instrument : GC/MS Ins
Sample Name: 1103120-005A
Misc Info : SAMP EPA_TO15-ug/m3
Vial Number: 6
Quant File :031611V1.RES (RTE Integrator)



03171133.D 031611V1.M Wed Apr 13 15:48:04 2011

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 1 Ethylene oxide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	50.01 ppbv	55586300	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	4
2	Ethylene oxide	44	C2H4O	000075-21-8	4
3	Acetaldehyde $$ Acetic aldehyde $$	44	C2H4O	000075-07-0	3
4	Ethyne, fluoro- $$ Acetylene, fluor	44	C2HF	002713-09-9	3
5	Acetaldehyde	44	C2H4O	000075-07-0	3

****

Peak Number 2 1-Propene, 2-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	3.63 ppbv	4036090	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
3	1-Butene	56	C4H8	000106-98-9	87
4	1-Butene	56	C4H8	000106-98-9	87
5	1-Butene	56	C4H8	000106-98-9	87

****

Peak Number 3 Butane, 2-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	4.19 ppbv	4654090	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2	Butane, 2-methyl-	72	C5H12	000078-78-4	86
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	Methane, isocyanato-	57	C2H3NO	000624-83-9	9
5	3-Buten-1-ol	72	C4H8O	000627-27-0	9

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 4 Pentane Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	7.63 ppbv	8479740	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane $$ n-Pentane $$ Skellysolve	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	80
4	Butane, 2-methyl-	72	C5H12	000078-78-4	39
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	36

****

Peak Number 5 Pentane, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	15.66 ppbv	17399800	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Pentane, 2-methyl- $$ Isohexane $$	86	C6H14	000107-83-5	83
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	58
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	53

****

Peak Number 6 Pentane, 3-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	6.58 ppbv	7318710	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl- $$ 3-Methylpenta	86	C6H14	000096-14-0	86
4	Oxirane, (1-methylethyl)- $$ Butane	86	C5H10O	001438-14-8	50
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	40

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 7 Pentane, 2,4-dimethyl- $$ 2,4- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	6.75 ppbv	7507000	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl- $$ 2,4-Dimet	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	87
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	50

****

Peak Number 8 Cyclopentane, methyl- $$ Methy Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	9.46 ppbv	10518000	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl- $$ Methylcycl	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	1H-Tetrazole, 5-methyl- $$ 5-Methyl	84	C2H4N4	004076-36-2	80
4	Cyclobutane, ethyl- $$ Ethylcyclobu	84	C6H12	004806-61-5	64
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	52

****

Peak Number 9 Pentane, 2,3-dimethyl- $$ 2,3- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	10.14 ppbv	11268700	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl- $$ 2,3-Dimet	100	C7H16	000565-59-3	95
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 10 Cyclopentane, 1,1-dimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	3.43 ppbv	3810970	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	72
2	1-Heptene, 6-methyl- $$ 6-Methyl-1-	112	C8H16	005026-76-6	50
3	Cyclopentane, 1,1-dimethyl- $$ Gem-	98	C7H14	001638-26-2	46
4	Cyclopentane, 1,1,2-trimethyl- $$ C	112	C8H16	004259-00-1	42
5	Cyclopentane, 1,1,3,4-tetramethyl-,	126	C9H18	053907-60-1	40

****

Peak Number 11 Hexane, 2,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	78.44 ppbv	23796200	1,4-Difluorobenzene	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4	Butane, 2,2,3,3-tetramethyl- $$ Eth	114	C8H18	000594-82-1	72
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64

****

Peak Number 12 Butane, 2,2,3,3-tetramethyl- $ Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.68 ppbv	811634	1,4-Difluorobenzene	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl- $$ Eth	114	C8H18	000594-82-1	72
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	59
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	56
5	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	56

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 13 Hexane, 2,5-dimethyl- $$ Biiso Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	7.23 ppbv	2193410	1,4-Difluorobenzene	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	90
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	74
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	49
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	49
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	49

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Peak Number 14 Cyclopentane, 1,1,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	24.31 ppbv	7375470	1,4-Difluorobenzene	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	53
2	Cyclopentane, 1,1,3-trimethyl- $$ 1	112	C8H16	004516-69-2	53
3	Butane, 2,2,3-trimethyl- $$ Triptan	100	C7H16	000464-06-2	43
4	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	43
5	Cyclopentane, 1,1-dimethyl- $$ Gem-	98	C7H14	001638-26-2	43

****

Peak Number 15 Cyclohexane, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	67.72 ppbv	20543500	1,4-Difluorobenzene	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	94
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	78
4	Furan, 2,5-dihydro-2,5-dimethyl-	98	C6H10O	059242-27-2	59
5	3-Penten-2-one, 4-methyl- $$ Aceton	98	C6H10O	000141-79-7	58

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 16 Cyclopentane, ethyl- $$ Ethylc Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	6.33 ppbv	1918750	1,4-Difluorobenzene	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl- $$ Ethylcyclop	98	C7H14	001640-89-7	94
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	72
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	50
4	Cyclopentane, ethyl-	98	C7H14	001640-89-7	46
5	Cyclopentane, ethyl-	98	C7H14	001640-89-7	38

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Peak Number 17 Cyclopentane, 1,2,4-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	7.56 ppbv	2292430	1,4-Difluorobenzene	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2	Cyclobutane, 1,1,2,3,3-pentamethyl-	126	C9H18	057905-86-9	64
3	2,3-Dimethyl-1-hexene	112	C8H16	1674686-45-3	50
4	Cyclobutanone, 2,2,3-trimethyl- $$	112	C7H12O	001449-49-6	45
5	Cyclopentane, 1,2,4-trimethyl-, (1.	112	C8H16	004850-28-6	43

****

Peak Number 18 1-Hexene, 4-ethyl- $$ 4-Ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	20.53 ppbv	6228430	1,4-Difluorobenzene	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4-ethyl- $$ 4-Ethyl-1-hex	112	C8H16	016746-85-3	80
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
3	Cyclopentane, 1,2,3-trimethyl-, (1.	112	C8H16	002613-69-6	60
4	1-Heptene, 4-methyl- $$ 4-Methyl-1-	112	C8H16	013151-05-8	59
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	47

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 19 Heptane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	24.98 ppbv	7578710	1,4-Difluorobenzene	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	90
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
3	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	87
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	83
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58

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Peak Number 20 Heptane, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	15.74 ppbv	4774150	1,4-Difluorobenzene	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	90
2	Heptane, 3-methyl- $$ 3-Methylhepta	114	C8H18	000589-81-1	72
3	Hexane, 2,4-dimethyl- $$ 2,4-Dimeth	114	C8H18	000589-43-5	52
4	Hexane, 3-ethyl- $$ 3-Ethylhexane	114	C8H18	000619-99-8	47
5	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	43

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Peak Number 21 Cyclopentane, propyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.57 ppbv	1082550	1,4-Difluorobenzene	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, propyl-	112	C8H16	002040-96-2	64
2	1-Heptene, 6-methyl- $$ 6-Methyl-1-	112	C8H16	005026-76-6	49
3	Cyclopentane, 1,1,2-trimethyl- $$ C	112	C8H16	004259-00-1	49
4	Cyclopentane, 1-ethyl-2-methyl-, ci	112	C8H16	000930-89-2	38
5	Cyclopentane, 1-ethyl-2-methyl-, ci	112	C8H16	000930-89-2	38

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 22 Hexane, 2,2,4-trimethyl- $$ 2, Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	6.83 ppbv	2073210	1,4-Difluorobenzene	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,4-trimethyl- $$ 2,2,4-T	128	C9H20	016747-26-5	78
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	64
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
5	Hexane, 2,2,5-trimethyl- $$ 2,2,5-T	128	C9H20	003522-94-9	50

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Peak Number 23 Cyclohexane, 1,3-dimethyl-, ci Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	23.68 ppbv	7182780	1,4-Difluorobenzene	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis- $$	112	C8H16	000638-04-0	94
2	Cyclohexane, 1,3-dimethyl- $$ 1,3-D	112	C8H16	000591-21-9	93
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	93
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	87

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Peak Number 24 Octane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	16.39 ppbv	4971400	1,4-Difluorobenzene	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	87
2	Octane	114	C8H18	000111-65-9	83
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4	Octane	114	C8H18	000111-65-9	64
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	64

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 25 Cyclohexane, 1,2-dimethyl-, tr Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	8.20 ppbv	2732980	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	81
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	81

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Peak Number 26 Cyclohexane, 1,4-dimethyl-, tr Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	4.10 ppbv	1367810	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	97
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	95
3	Cyclohexane, 1,4-dimethyl-, cis- $$	112	C8H16	000624-29-3	95
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94

****

Peak Number 27 Heptane, 2,6-dimethyl- $$ 2,6- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	2.44 ppbv	813957	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl- $$ 2,6-Dimet	128	C9H20	001072-05-5	78
2	Decane, 2-methyl-	156	C11H24	006975-98-0	72
3	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	62
4	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	53
5	1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	53

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 28 Cyclohexane, ethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	7.12 ppbv	2374590	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	95
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
5	3,4-Dimethyl-2-hexene (c,t)	112	C8H16	002213-37-8	76

****

Peak Number 29 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	7.27 ppbv	2424280	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	43
2	2-Pyrazoline, 1-isopropyl-5-methyl-	126	C7H14N2	026964-54-5	38
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	33
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	28
5	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	28

****

Peak Number 30 Heptane, 2,3-dimethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	2.74 ppbv	912581	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	52
2	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	43
3	Hexane, 3-ethyl- $$ 3-Ethylhexane	114	C8H18	000619-99-8	38
4	1-Octene, 4-methyl-	126	C9H18	013151-12-7	37
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	37

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 31 Octane, 4-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	3.44 ppbv	1147030	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	72
2	Heptane, 2,4-dimethyl- $$ 2,4-Dimet	128	C9H20	002213-23-2	62
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	52
5	Octane, 4-methyl-	128	C9H20	002216-34-4	52

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Peak Number 32 Octane, 3-methyl- $$ 3-Methylo Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	4.34 ppbv	1445290	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl- $$ 3-Methyloctane	128	C9H20	002216-33-3	38
2	Undecane, 2,6-dimethyl- $$ 2,6-Dime	184	C13H28	017301-23-4	32
3	1-Hexene, 5,5-dimethyl- $$ 5,5-Dime	112	C8H16	007116-86-1	30
4	Heptane, 3-ethyl- $$ 3-Ethylheptane	128	C9H20	015869-80-4	25
5	Heptane, 2,5-dimethyl- $$ 2,5-Dimet	128	C9H20	002216-30-0	25

****

Peak Number 33 Octane, 2,2,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	16.51 ppbv	5504060	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	56
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	53
3	Hexane, 2,2,4-trimethyl- $$ 2,2,4-T	128	C9H20	016747-26-5	53
4	Hexane, 2,2,5,5-tetramethyl- $$ Bin	142	C10H22	001071-81-4	50
5	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	50

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 34 Decane, 5-ethyl-5-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	8.41 ppbv	2804470	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-ethyl-5-methyl-	184	C13H28	017312-74-2	78
2	Hentriacontane	437	C31H64	000630-04-6	56
3	Octane, 2-methyl-	128	C9H20	003221-61-2	56
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	53
5	Hexadecane	226	C16H34	000544-76-3	53

****

Peak Number 35 Octane, 2,6,6-trimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	3.69 ppbv	1230110	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6,6-trimethyl-	156	C11H24	054166-32-4	50
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	45
3	3-Octen-2-ol, 2-methyl-, (Z)-	142	C9H18O	018521-07-8	43
4	1,1-Dimethylpropyl 2-ethylhexanoate	214	C13H26O2	005421-13-6	42
5	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	37

****

Peak Number 36 Dodecane, 4,6-dimethyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	2.73 ppbv	909813	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	80
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
3	Dodecane, 2,6,10-trimethyl- $$ Farn	212	C15H32	003891-98-3	64
4	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	64
5	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	59

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 37 Dodecane, 2,2,11,11-tetramethy Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	41.49 ppbv	13831100	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	83
2	Tetradecane, 2,2-dimethyl-	226	C16H34	000000-00-0	72
3	Decane, 2,2,7-trimethyl-	184	C13H28	062237-99-4	72
4	2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	64
5	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	64

****

Peak Number 38 Dodecane, 2,2,11,11-tetramethy Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	16.53 ppbv	5509710	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	78
2	Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	72
3	Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	72
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
5	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	72

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Peak Number 39 Undecane, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	8.69 ppbv	2898040	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64
2	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	59
3	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	59
4	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	59
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	50

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 40 Undecane, 5,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	46.69 ppbv	15564800	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	64
2	Heptadecane $$ n-Heptadecane $$ Nor	240	C17H36	000629-78-7	56
3	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	56
4	Heneicosane $$ n-Heneicosane	296	C21H44	000629-94-7	56
5	Undecane, 3,4-dimethyl-	184	C13H28	017312-78-6	56

****

Peak Number 41 Octane, 2,3,6,7-tetramethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	6.76 ppbv	2252870	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	53
2	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	53
3	Pentane, 2,3,3-trimethyl- $$ 2,3,3-	114	C8H18	000560-21-4	50
4	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	42
5	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	37

****

Peak Number 42 Dodecane, 3-methyl- $$ 3-Methy Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	8.92 ppbv	2972900	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl- $$ 3-Methyldode	184	C13H28	017312-57-1	64
2	Decane	142	C10H22	000124-18-5	64
3	Nonane, 3,7-dimethyl- $$ 3,7-Dimeth	156	C11H24	017302-32-8	58
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	47
5	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	45

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 43 Hexane, 2,2,5,5-tetramethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	4.43 ppbv	1478190	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	53
2	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	53
3	Heptane, 2,2,4-trimethyl- $$ 2,2,4-	142	C10H22	014720-74-2	53
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	53
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	50

****

Peak Number 44 Hexane, 2,2,5-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	50.28 ppbv	16763900	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	53
3	Heptane, 2,2-dimethyl- $$ 2,2-Dimet	128	C9H20	001071-26-7	53
4	Tetradecane, 2,2-dimethyl-	226	C16H34	000000-00-0	53
5	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	53

****

Peak Number 45 Hexane, 2,2,5-trimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	3.38 ppbv	1126130	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	47
2	Heptane, 2,2-dimethyl- $$ 2,2-Dimet	128	C9H20	001071-26-7	47
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	42
4	Pentadecane, 6-methyl-	226	C16H34	010105-38-1	42
5	Dodecane, 3-methyl- $$ 3-Methyldode	184	C13H28	017312-57-1	42

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 46 Undecane, 2,8-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	28.66 ppbv	9554540	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	64
2	Ether, hexyl pentyl $$ Hexane, 1-(p	172	C11H24O	032357-83-8	59
3	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	50
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	47
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	47

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Peak Number 47 Dodecane, 2,7,10-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.42	4.60 ppbv	1532290	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
2	Dodecane, 2,6,10-trimethyl- $$ Farn	212	C15H32	003891-98-3	72
3	Decane, 2,8,8-trimethyl-	184	C13H28	000000-00-0	64
4	Decane, 3,3,6-trimethyl-	184	C13H28	062338-14-1	64
5	Decane, 3,3,5-trimethyl-	184	C13H28	062338-13-0	64

****

Peak Number 48 Decane, 2,4,6-trimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.55	6.33 ppbv	2110030	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	59
2	Decane, 3-methyl- $$ 3-Methyldecane	156	C11H24	013151-34-3	59
3	Nonane, 5-butyl- $$ 5-Butylnonane $	184	C13H28	017312-63-9	53
4	Heptane, 2,4-dimethyl- $$ 2,4-Dimet	128	C9H20	002213-23-2	47
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 49 Nonane, 5-methyl-5-propyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.65	7.16 ppbv	2386490	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	72
2	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	59
3	Hexane, 3,3-dimethyl- $$ 3,3-Dimeth	114	C8H18	000563-16-6	59
4	2-Bromononane $$ sec-Nonyl bromide	206	C9H19Br	002216-35-5	45
5	2,5-Dimethylcyclohexanol	128	C8H16O	003809-32-3	38

****

Peak Number 50 2,3-Dimethyl-1-hexene Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	3.19 ppbv	1064580	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dimethyl-1-hexene	112	C8H16	1674686-45-3	43
2	2-Undecene, 3-methyl-, (Z)-	168	C12H24	057024-90-5	43
3	5-Undecene, 9-methyl-, (Z)-	168	C12H24	074630-65-2	35
4	2-Dodecene, (E)-	168	C12H24	007206-13-5	27
5	1,13-Tetradecadien-3-one $$ Tetrade	208	C14H24O	058879-40-6	25

Tentatively Identified Compound (LSC) summary

Operator ID: Michael Truchan Date Acquired: 18 Mar 2011 10:40 am
Data File: C:\HPCHEM\1\DATA\031711\03171133.D
Name: 1103120-005A
Misc: SAMP EPA_TO15-ug/m3
Method: C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title: TO15 ppbv
Library Searched: C:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Ethylene oxide	5.37	50.0	ppbv	55586300	ISTD01	10.76	13892800	12.5
1-Propene, 2-methyl-	6.32	3.6	ppbv	4036090	ISTD01	10.76	13892800	12.5
Butane, 2-methyl-	7.20	4.2	ppbv	4654090	ISTD01	10.76	13892800	12.5
Pentane	7.57	7.6	ppbv	8479740	ISTD01	10.76	13892800	12.5
Pentane, 2-methyl-	8.77	15.7	ppbv	17399800	ISTD01	10.76	13892800	12.5
Pentane, 3-methyl-	9.10	6.6	ppbv	7318710	ISTD01	10.76	13892800	12.5
Pentane, 2,4-dimethy	10.01	6.8	ppbv	7507000	ISTD01	10.76	13892800	12.5
Cyclopentane, methyl	10.22	9.5	ppbv	10518000	ISTD01	10.76	13892800	12.5
Pentane, 2,3-dimethy	10.96	10.1	ppbv	11268700	ISTD01	10.76	13892800	12.5
Cyclopentane, 1,1-di	11.21	3.4	ppbv	3810970	ISTD01	10.76	13892800	12.5
Hexane, 2,2-dimethyl	11.36	78.4	ppbv	23796200	ISTD02	11.87	3791960	12.5
Butane, 2,2,3,3-tetr	12.02	2.7	ppbv	811634	ISTD02	11.87	3791960	12.5
Hexane, 2,5-dimethyl	12.20	7.2	ppbv	2193410	ISTD02	11.87	3791960	12.5
Cyclopentane, 1,1,3-	12.28	24.3	ppbv	7375470	ISTD02	11.87	3791960	12.5
Cyclohexane, methyl-	12.39	67.7	ppbv	20543500	ISTD02	11.87	3791960	12.5
Cyclopentane, ethyl-	12.57	6.3	ppbv	1918750	ISTD02	11.87	3791960	12.5
Cyclopentane, 1,2,4-	12.62	7.6	ppbv	2292430	ISTD02	11.87	3791960	12.5
1-Hexene, 4-ethyl- $	12.80	20.5	ppbv	6228430	ISTD02	11.87	3791960	12.5
Heptane, 2-methyl-	12.95	25.0	ppbv	7578710	ISTD02	11.87	3791960	12.5
Heptane, 3-methyl-	13.15	15.7	ppbv	4774150	ISTD02	11.87	3791960	12.5
Cyclopentane, propyl	13.27	3.6	ppbv	1082550	ISTD02	11.87	3791960	12.5
Hexane, 2,2,4-trimet	13.34	6.8	ppbv	2073210	ISTD02	11.87	3791960	12.5
Cyclohexane, 1,3-dim	13.58	23.7	ppbv	7182780	ISTD02	11.87	3791960	12.5
Octane	13.67	16.4	ppbv	4971400	ISTD02	11.87	3791960	12.5
Cyclohexane, 1,2-dim	14.08	8.2	ppbv	2732980	ISTD03	15.71	4167270	12.5
Cyclohexane, 1,4-dim	14.20	4.1	ppbv	1367810	ISTD03	15.71	4167270	12.5
Heptane, 2,6-dimethy	14.28	2.4	ppbv	813957	ISTD03	15.71	4167270	12.5
Cyclohexane, ethyl-	14.83	7.1	ppbv	2374590	ISTD03	15.71	4167270	12.5
Cyclohexane, 1,1,3-t	14.89	7.3	ppbv	2424280	ISTD03	15.71	4167270	12.5
Heptane, 2,3-dimethy	14.95	2.7	ppbv	912581	ISTD03	15.71	4167270	12.5
Octane, 4-methyl-	15.02	3.4	ppbv	1147030	ISTD03	15.71	4167270	12.5
Octane, 3-methyl- $$	15.20	4.3	ppbv	1445290	ISTD03	15.71	4167270	12.5
Octane, 2,2,6-trimet	17.04	16.5	ppbv	5504060	ISTD03	15.71	4167270	12.5
Decane, 5-ethyl-5-me	17.74	8.4	ppbv	2804470	ISTD03	15.71	4167270	12.5
Octane, 2,6,6-trimet	17.82	3.7	ppbv	1230110	ISTD03	15.71	4167270	12.5
Dodecane, 4,6-dimeth	18.01	2.7	ppbv	909813	ISTD03	15.71	4167270	12.5
Dodecane, 2,2,11,11-	18.12	41.5	ppbv	13831100	ISTD03	15.71	4167270	12.5
Dodecane, 2,2,11,11-	18.34	16.5	ppbv	5509710	ISTD03	15.71	4167270	12.5
Undecane, 3,6-dimeth	18.51	8.7	ppbv	2898040	ISTD03	15.71	4167270	12.5
Undecane, 5,7-dimeth	18.58	46.7	ppbv	15564800	ISTD03	15.71	4167270	12.5
Octane, 2,3,6,7-tetr	18.70	6.8	ppbv	2252870	ISTD03	15.71	4167270	12.5
Dodecane, 3-methyl-	18.77	8.9	ppbv	2972900	ISTD03	15.71	4167270	12.5
Hexane, 2,2,5,5-tetr	18.85	4.4	ppbv	1478190	ISTD03	15.71	4167270	12.5
Hexane, 2,2,5-trimet	18.94	50.3	ppbv	16763900	ISTD03	15.71	4167270	12.5
Hexane, 2,2,5-trimet	19.11	3.4	ppbv	1126130	ISTD03	15.71	4167270	12.5
Undecane, 2,8-dimeth	19.28	28.7	ppbv	9554540	ISTD03	15.71	4167270	12.5
Dodecane, 2,7,10-tri	19.42	4.6	ppbv	1532290	ISTD03	15.71	4167270	12.5
Decane, 2,4,6-trimet	19.55	6.3	ppbv	2110030	ISTD03	15.71	4167270	12.5
Nonane, 5-methyl-5-p	19.65	7.2	ppbv	2386490	ISTD03	15.71	4167270	12.5
2,3-Dimethyl-1-hexen	20.00	3.2	ppbv	1064580	ISTD03	15.71	4167270	12.5

03171133.D 031611V1.M Wed Apr 13 15:48:07 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:23 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	734029	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2726026	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1257676	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1228621	19.49	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 155.92%#				
Target Compounds							Qvalue
2) Propylene	5.65	41	7500264	136.31	ppbv	#	46
11) Ethanol	7.76	45	9684	0.79	ppbv	#	85
14) Acetone	8.36	43	143590	1.59	ppbv	#	90
20) n-Hexane	9.38	57	591170	5.52	ppbv		99
29) Cyclohexane	11.03	56	1780222	16.40	ppbv	#	83
31) Benzene	11.47	78	1301006	7.17	ppbv		97
34) Heptane	11.51	43	1586954	12.05	ppbv		95
41) Toluene	13.80	91	8445351	41.11	ppbv		92
50) Ethylbenzene	15.80	91	2597715	17.77	ppbv		97
51) m,p-Xylene	15.96	91	5615212	49.60	ppbv		97
52) o-Xylene	16.55	91	2336389	21.19	ppbv	#	90
57) 4-Ethyltoluene	17.73	105	1230708	9.34	ppbv		99
58) 1,3,5-Trimethylbenzene	17.86	105	759248	6.99	ppbv		99
59) 1,2,4-Trimethylbenzene	18.45	105	1587350	16.35	ppbv		99
66) Naphthalene	23.74	128	41961	1.04	ppbv	#	94

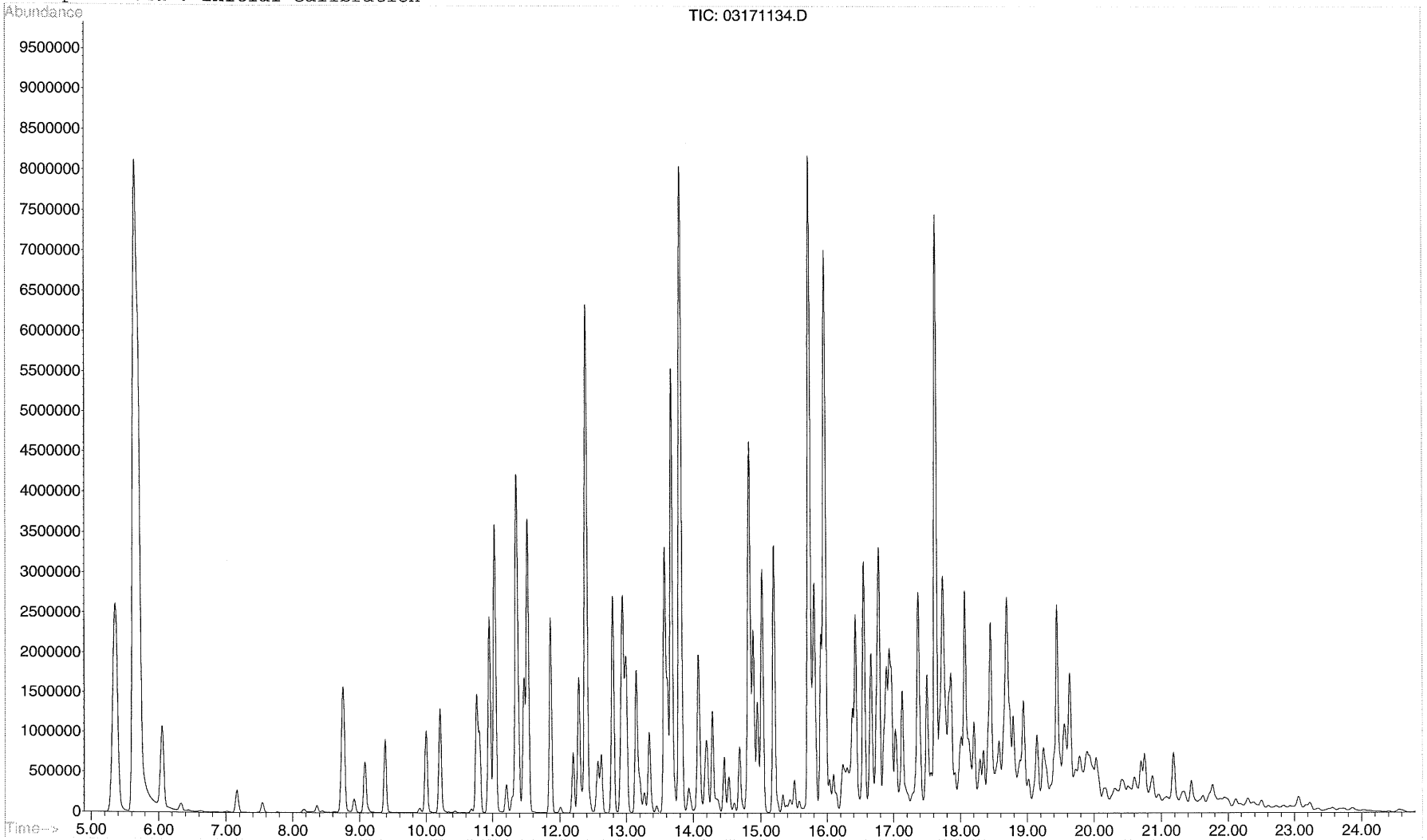
reported only at 9/15/11

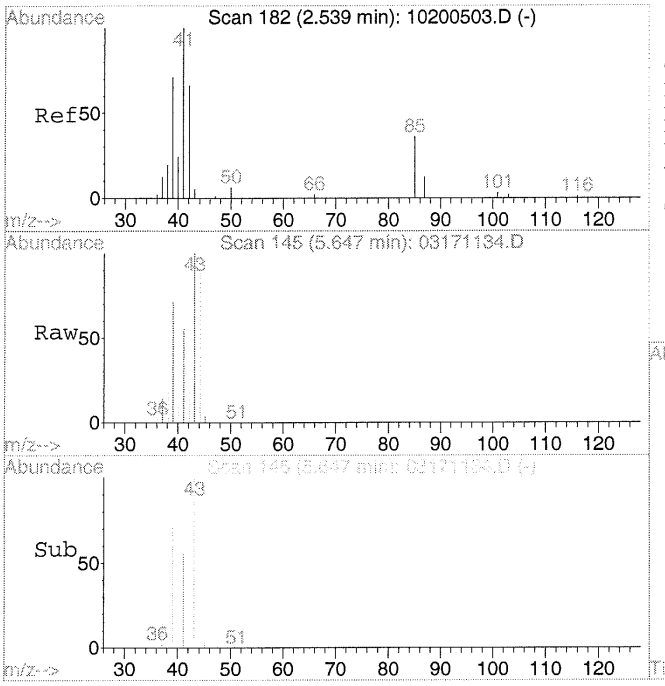
(#) = qualifier out of range (m) = manual integration
03171134.D 031611V1.M Wed Apr 13 15:48:14 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:23 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

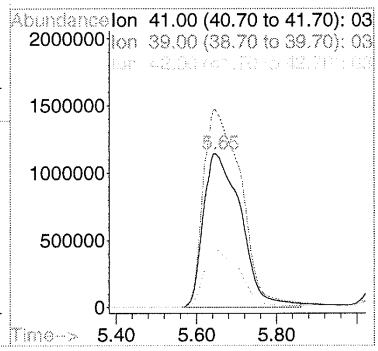


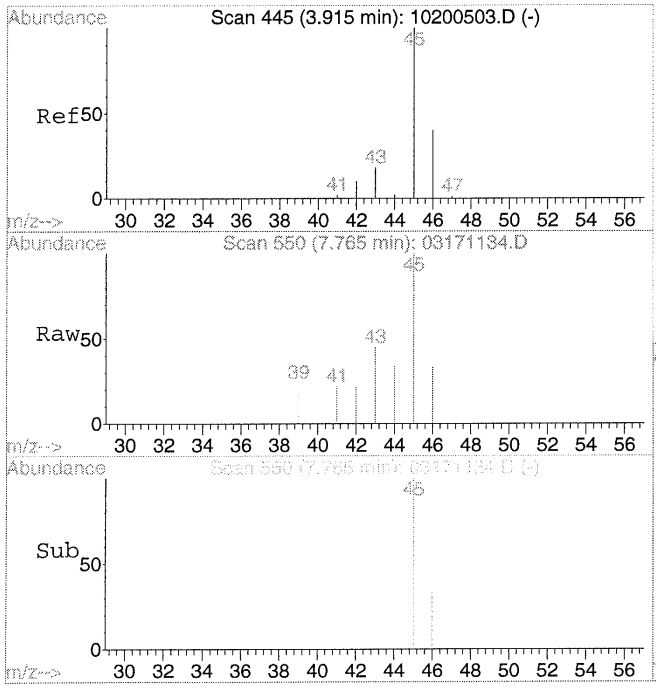


#2
Propylene
Concen: 136.31 ppbv
RT: 5.65 min Scan# 145
Delta R.T. -0.03 min
Lab File: 03171134.D
Acq: 18 Mar 2011 11:21 am

Tgt Ion: 41 Resp: 7500264

Ion	Ratio	Lower	Upper
41	100		
39	129.3	57.6	86.4#
42	36.3	54.0	81.0#

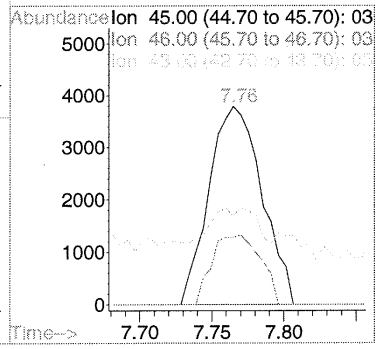


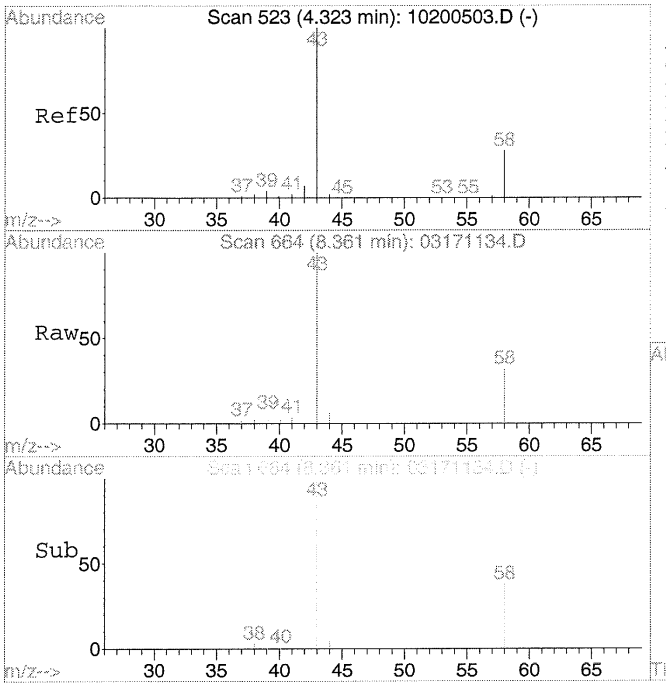


#11
Ethanol
Concen: 0.79 ppbv
RT: 7.76 min Scan# 550
Delta R.T. 0.03 min
Lab File: 03171134.D
Acq: 18 Mar 2011 11:21 am

Tgt Ion: 45 Resp: 9684

Ion	Ratio	Lower	Upper
45	100		
46	32.1	30.2	45.4
43	8.1	15.8	23.6#

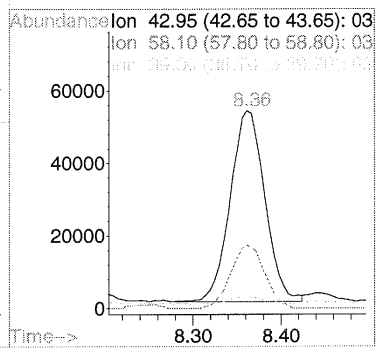


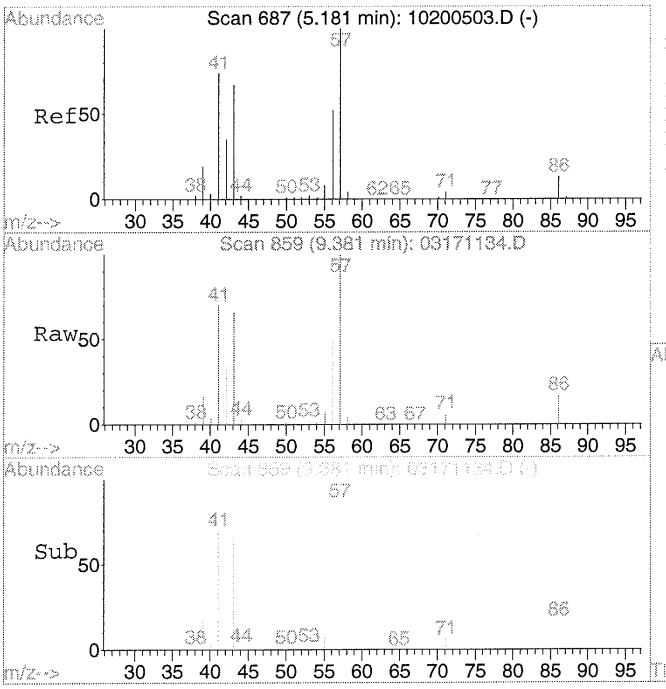


#14
Acetone
Concen: 1.59 ppbv
RT: 8.36 min Scan# 664
Delta R.T. 0.00 min
Lab File: 03171134.D
Acq: 18 Mar 2011 11:21 am

Tgt Ion: 43 Resp: 143590

Ion	Ratio	Lower	Upper
43	100		
58	32.7	22.0	33.0
39	4.4	6.5	9.7#

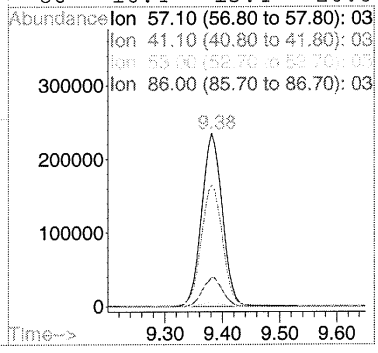


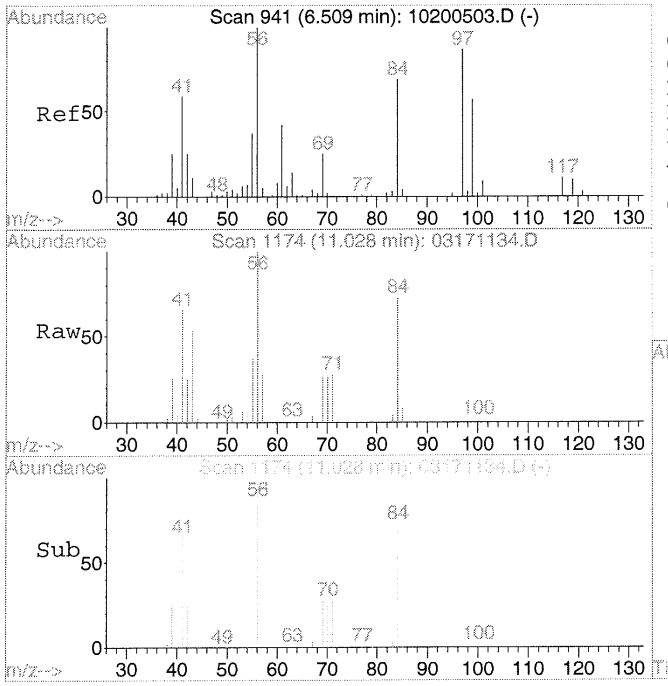


#20
n-Hexane
Concen: 5.52 ppbv
RT: 9.38 min Scan# 859
Delta R.T. -0.01 min
Lab File: 03171134.D
Acq: 18 Mar 2011 11:21 am

Tgt Ion: 57 Resp: 591170

Ion	Ratio	Lower	Upper
57	100		
41	70.7	57.2	85.8
53	2.2	1.8	2.8
86	16.4	13.4	20.0

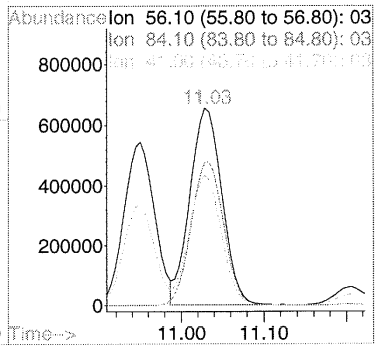


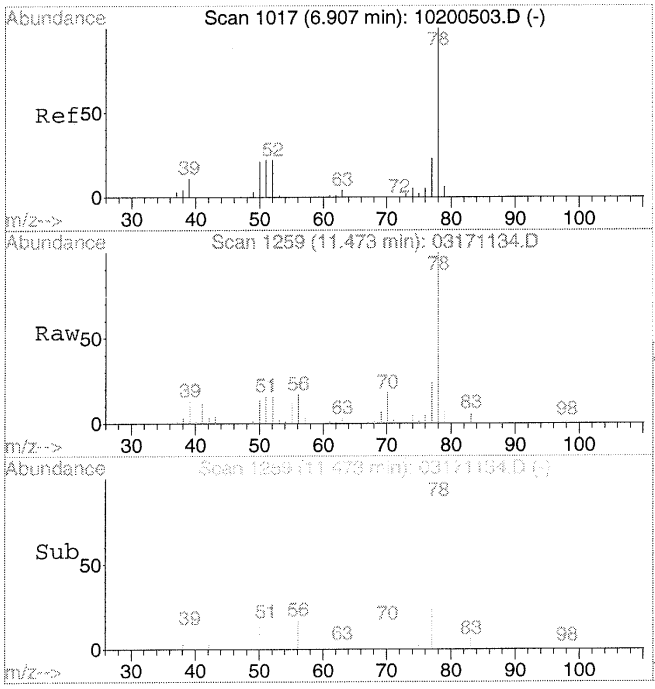


#29
Cyclohexane
Concen: 16.40 ppbv
RT: 11.03 min Scan# 1174
Delta R.T. -0.01 min
Lab File: 03171134.D
Acq: 18 Mar 2011 11:21 am

Tgt Ion: 56 Resp: 1780222

Ion	Ratio	Lower	Upper
56	100		
84	74.0	72.4	108.6
41	66.1	43.8	65.8#

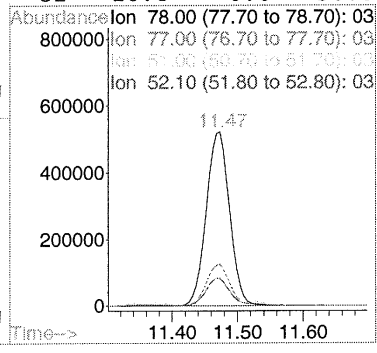


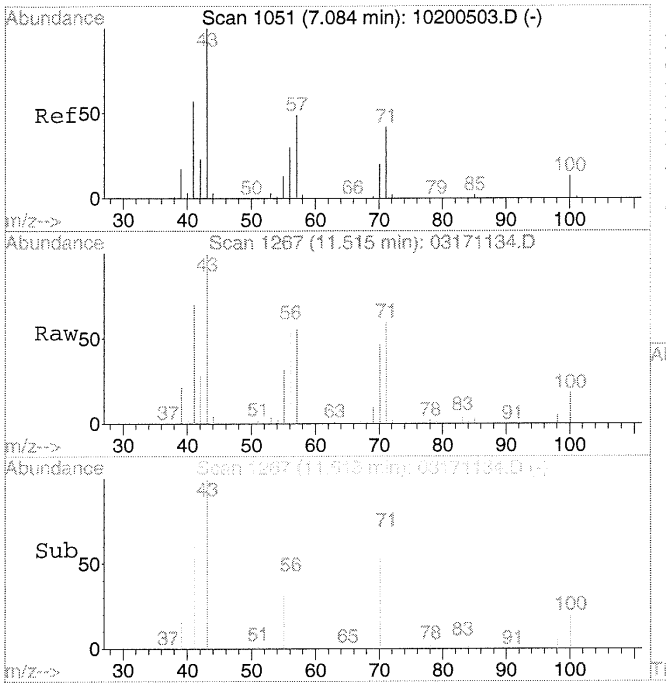


#31
Benzene
Concen: 7.17 ppbv
RT: 11.47 min Scan# 1259
Delta R.T. 0.00 min
Lab File: 03171134.D
Acq: 18 Mar 2011 11:21 am

Tgt Ion: 78 Resp: 1301006

Ion	Ratio	Lower	Upper
78	100		
77	24.7	3.7	43.7
51	18.8	0.0	36.1
52	16.8	0.0	36.0

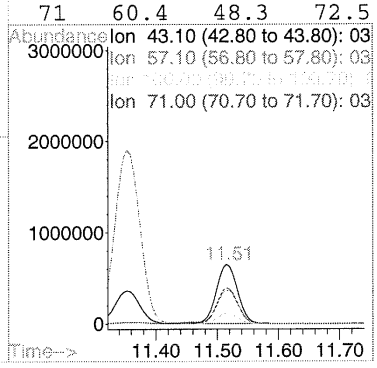


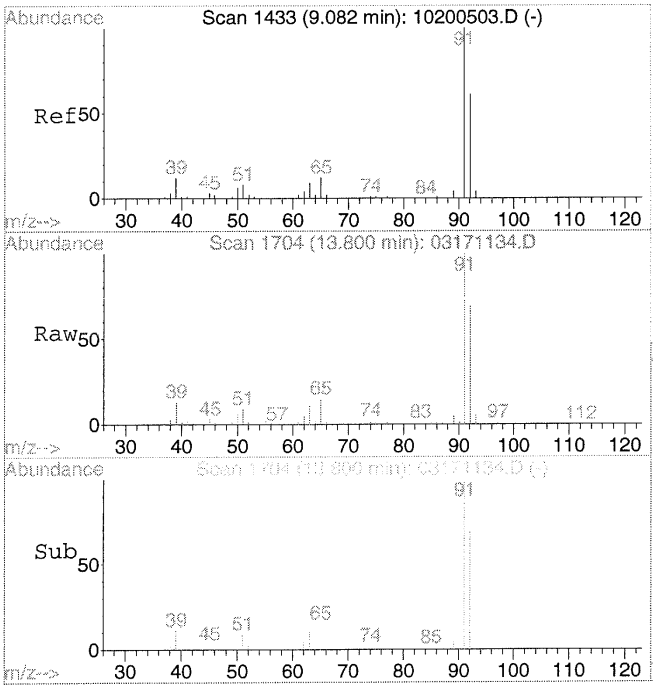


#34
Heptane
Concen: 12.05 ppbv
RT: 11.51 min Scan# 1267
Delta R.T. -0.01 min
Lab File: 03171134.D
Acq: 18 Mar 2011 11:21 am

Tgt Ion: 43 Resp: 1586954

Ion	Ratio	Lower	Upper
43	100		
57	60.1	42.2	63.4
100	17.3	17.3	25.9
71	60.4	48.3	72.5

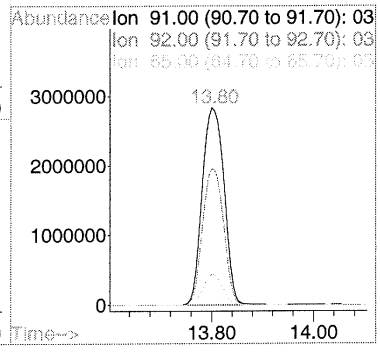


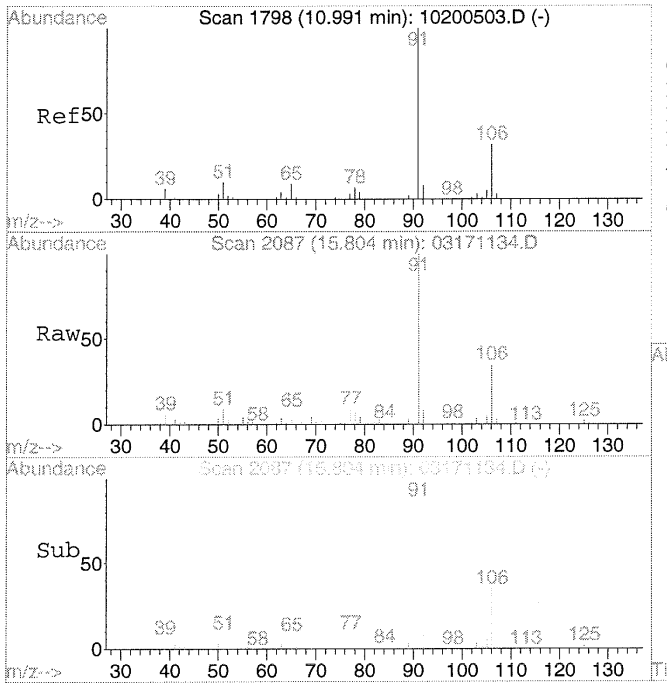


#41
Toluene
Concen: 41.11 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03171134.D
Acq: 18 Mar 2011 11:21 am

Tgt Ion: 91 Resp: 8445351

Ion	Ratio	Lower	Upper
91	100		
92	66.4	40.5	80.5
65	13.6	0.0	31.2

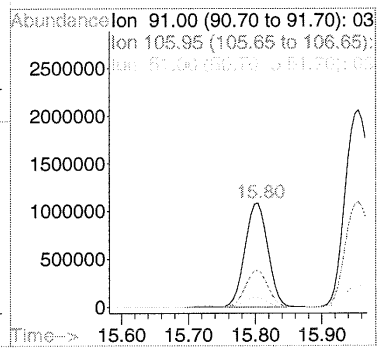


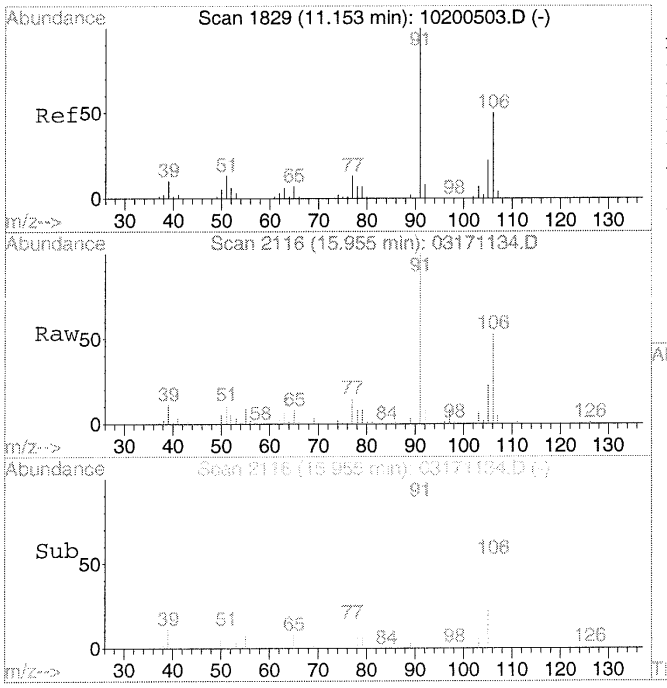


#50
Ethylbenzene
Concen: 17.77 ppbv
RT: 15.80 min Scan# 2087
Delta R.T. 0.00 min
Lab File: 03171134.D
Acq: 18 Mar 2011 11:21 am

Tgt Ion: 91 Resp: 2597715

Ion	Ratio	Lower	Upper
91	100		
106	34.6	14.9	54.9
51	9.3	0.0	33.1

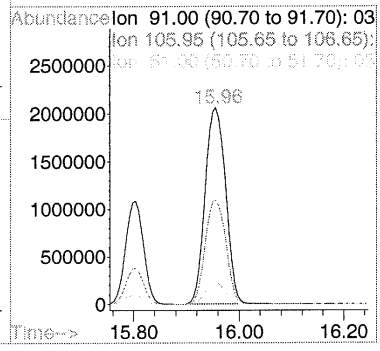


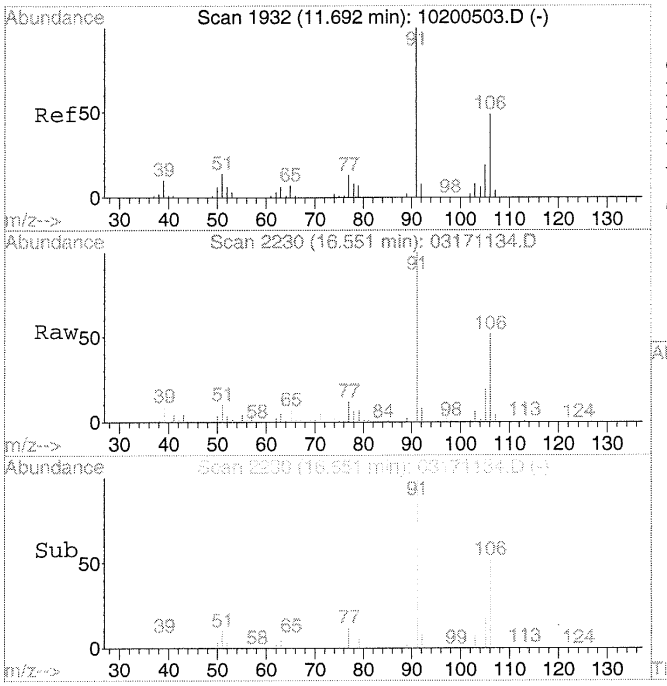


#51
m,p-Xylene
Concen: 49.60 ppbv
RT: 15.96 min Scan# 2116
Delta R.T. -0.00 min
Lab File: 03171134.D
Acq: 18 Mar 2011 11:21 am

Tgt Ion: 91 Resp: 5615212

Ion	Ratio	Lower	Upper
91	100		
106	53.3	35.6	75.6
51	10.8	0.0	29.6

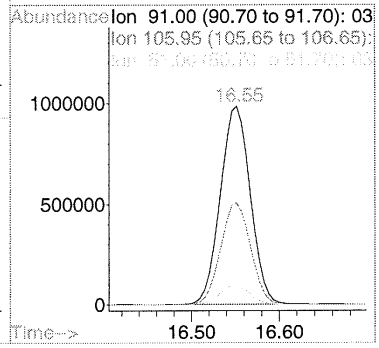


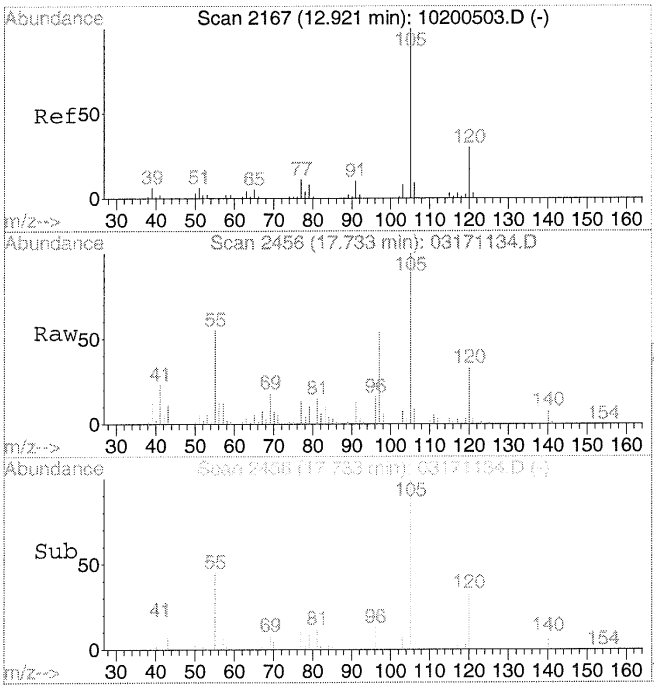


#52
o-Xylene
Concen: 21.19 ppbv
RT: 16.55 min Scan# 2230
Delta R.T. 0.00 min
Lab File: 03171134.D
Acq: 18 Mar 2011 11:21 am

Tgt Ion: 91 Resp: 2336389

Ion	Ratio	Lower	Upper
91	100		
106	51.6	41.0	61.6
51	9.7	19.7	29.5#

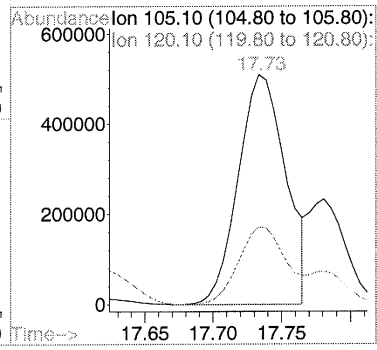


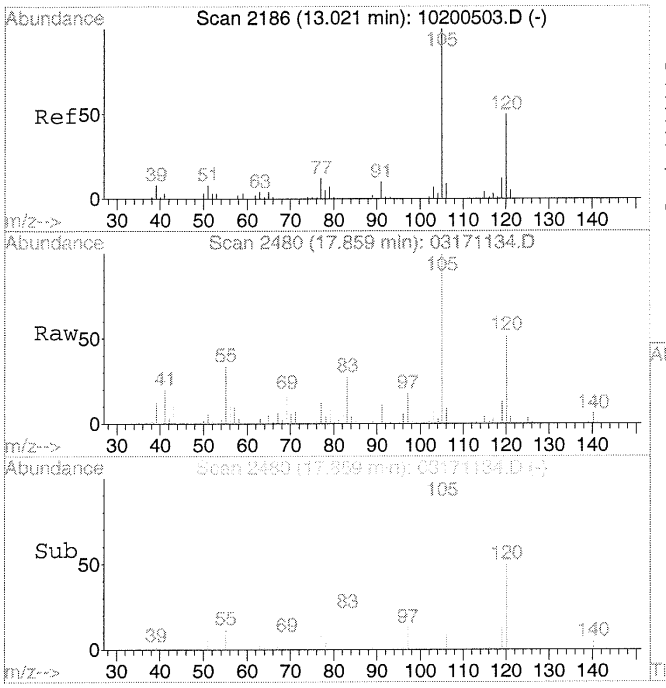


#57
4-Ethyltoluene
Concen: 9.34 ppbv
RT: 17.73 min Scan# 2456
Delta R.T. -0.05 min
Lab File: 03171134.D
Acq: 18 Mar 2011 11:21 am

Tgt Ion:105 Resp: 1230708

Ion	Ratio	Lower	Upper
105	100		
120	33.3	26.0	39.0

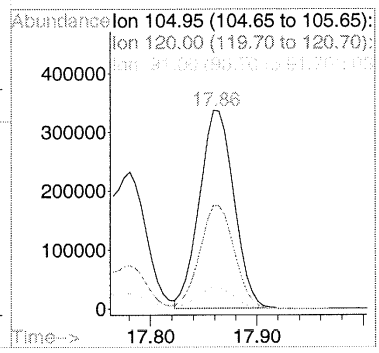


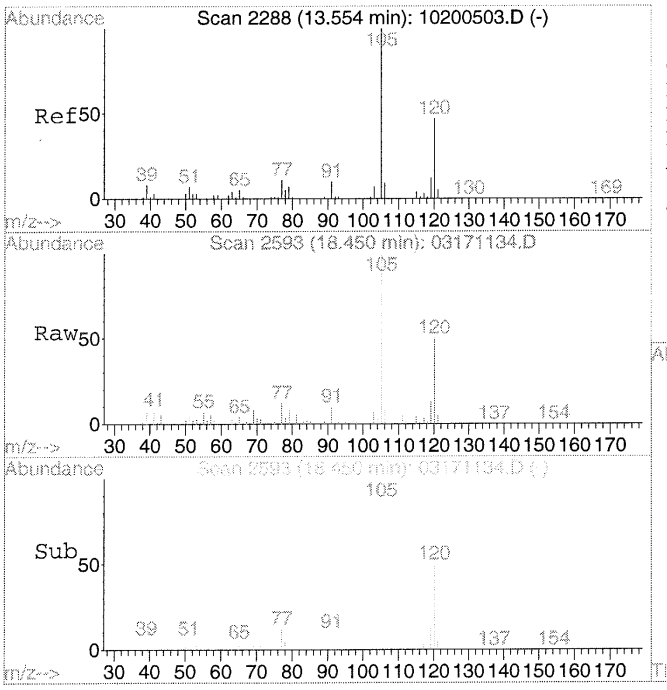


#58
1,3,5-Trimethylbenzene
Concen: 6.99 ppbv
RT: 17.86 min Scan# 2480
Delta R.T. -0.00 min
Lab File: 03171134.D
Acq: 18 Mar 2011 11:21 am

Tgt Ion:105 Resp: 759248

Ion	Ratio	Lower	Upper
105	100		
120	52.7	32.1	72.1
91	11.1	0.0	30.4

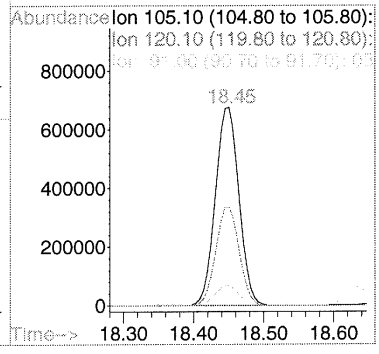


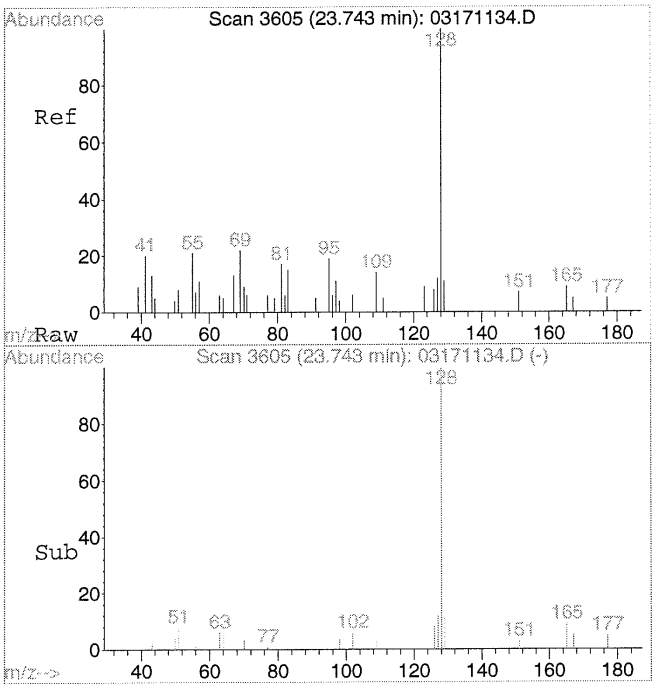


#59
1,2,4-Trimethylbenzene
Concen: 16.35 ppbv
RT: 18.45 min Scan# 2593
Delta R.T. 0.00 min
Lab File: 03171134.D
Acq: 18 Mar 2011 11:21 am

Tgt Ion:105 Resp: 1587350

Ion	Ratio	Lower	Upper
105	100		
120	49.4	38.9	58.3
91	9.7	8.2	12.2

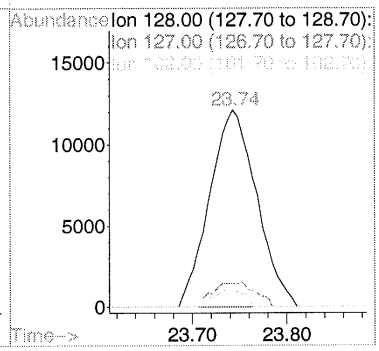




#66
Naphthalene
Concen: 1.04 ppbv
RT: 23.74 min Scan# 3605
Delta R.T. -0.01 min
Lab File: 03171134.D
Acq: 18 Mar 2011 11:21 am

Tgt Ion:128 Resp: 41961

Ion	Ratio	Lower	Upper
128	100		
127	11.1	9.8	14.6
102	3.9	6.3	9.5#



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.354	58	89	126	rBV	2613027	13489256	24.94%	2.762%
2	5.647	126	145	208	rVV	8117369	54090880	100.00%	11.074%
3	6.049	209	222	261	rVV	1056064	4290086	7.93%	0.878%
4	7.163	421	435	451	rBV	276059	830697	1.54%	0.170%
5	8.753	722	739	760	rBV2	1567812	5348000	9.89%	1.095%
6	9.078	788	801	820	rBV	620875	1803996	3.34%	0.369%
7	9.381	847	859	873	rBV	907231	2277896	4.21%	0.466%
8	9.998	966	977	1000	rVB	1017062	2726248	5.04%	0.558%
9	10.207	1004	1017	1037	rBV	1294614	3494462	6.46%	0.715%
10	10.762	1112	1123	1128	rBV	1455963	3993981	7.38%	0.818%
11	10.950	1145	1159	1166	rBV	2446775	6478418	11.98%	1.326%
12	11.028	1166	1174	1194	rVV2	3588997	9688962	17.91%	1.984%
13	11.206	1196	1208	1217	rVV	336397	920071	1.70%	0.188%
14	11.353	1217	1236	1249	rVV	4213600	13694272	25.32%	2.804%
15	11.468	1249	1258	1261	rVV2	1686543	4016697	7.43%	0.822%
16	11.520	1261	1268	1295	rVB3	3661111	9908905	18.32%	2.029%
17	11.860	1321	1333	1351	rBV	2436815	5816836	10.75%	1.191%
18	12.195	1385	1397	1405	rBV	745284	1782915	3.30%	0.365%
19	12.278	1405	1413	1423	rBV	1616386	4178294	7.72%	0.855%
20	12.388	1424	1434	1456	rVB	6320912	18252925	33.74%	3.737%
21	12.571	1456	1469	1473	rBV2	622737	1689817	3.12%	0.346%
22	12.618	1473	1478	1497	rVB	725304	1784383	3.30%	0.365%
23	12.791	1497	1511	1525	rBV2	2707803	7230345	13.37%	1.480%
24	12.943	1525	1540	1545	rBV3	2703268	8478399	15.67%	1.736%
25	13.147	1567	1579	1596	rBV2	1775722	5711707	10.56%	1.169%
26	13.340	1608	1616	1630	rVB	984440	2614173	4.83%	0.535%
27	13.570	1646	1660	1666	rBV	3309406	9104230	16.83%	1.864%
28	13.670	1673	1679	1693	rVB	5394839	13238517	24.47%	2.710%
29	13.800	1693	1704	1720	rVB	8019050	24542683	45.37%	5.025%
30	13.931	1720	1729	1742	rVB3	276176	800622	1.48%	0.164%
31	14.072	1742	1756	1769	rBV2	1942137	5522403	10.21%	1.131%
32	14.193	1769	1779	1789	rBV4	789704	2422321	4.48%	0.496%
33	14.282	1789	1796	1810	rBV	1130277	2536317	4.69%	0.519%
34	14.459	1821	1830	1836	rBV	668973	1528513	2.83%	0.313%
35	14.527	1836	1843	1852	rVV3	420823	1044628	1.93%	0.214%
36	14.684	1864	1873	1886	rBV2	790537	1949156	3.60%	0.399%
37	14.825	1886	1900	1907	rVV	4579619	13137504	24.29%	2.690%
38	14.883	1907	1911	1918	rVV	2238291	5350025	9.89%	1.095%
39	14.946	1918	1923	1929	rVV2	1327573	3222171	5.96%	0.660%
40	15.019	1929	1937	1955	rVB2	3041115	8272192	15.29%	1.694%
41	15.197	1956	1971	1989	rBV2	3337792	8530365	15.77%	1.746%
42	15.505	2023	2030	2038	rVB	339524	775021	1.43%	0.159%
43	15.720	2056	2071	2080	rBV3	8128325	23551322	43.54%	4.822%

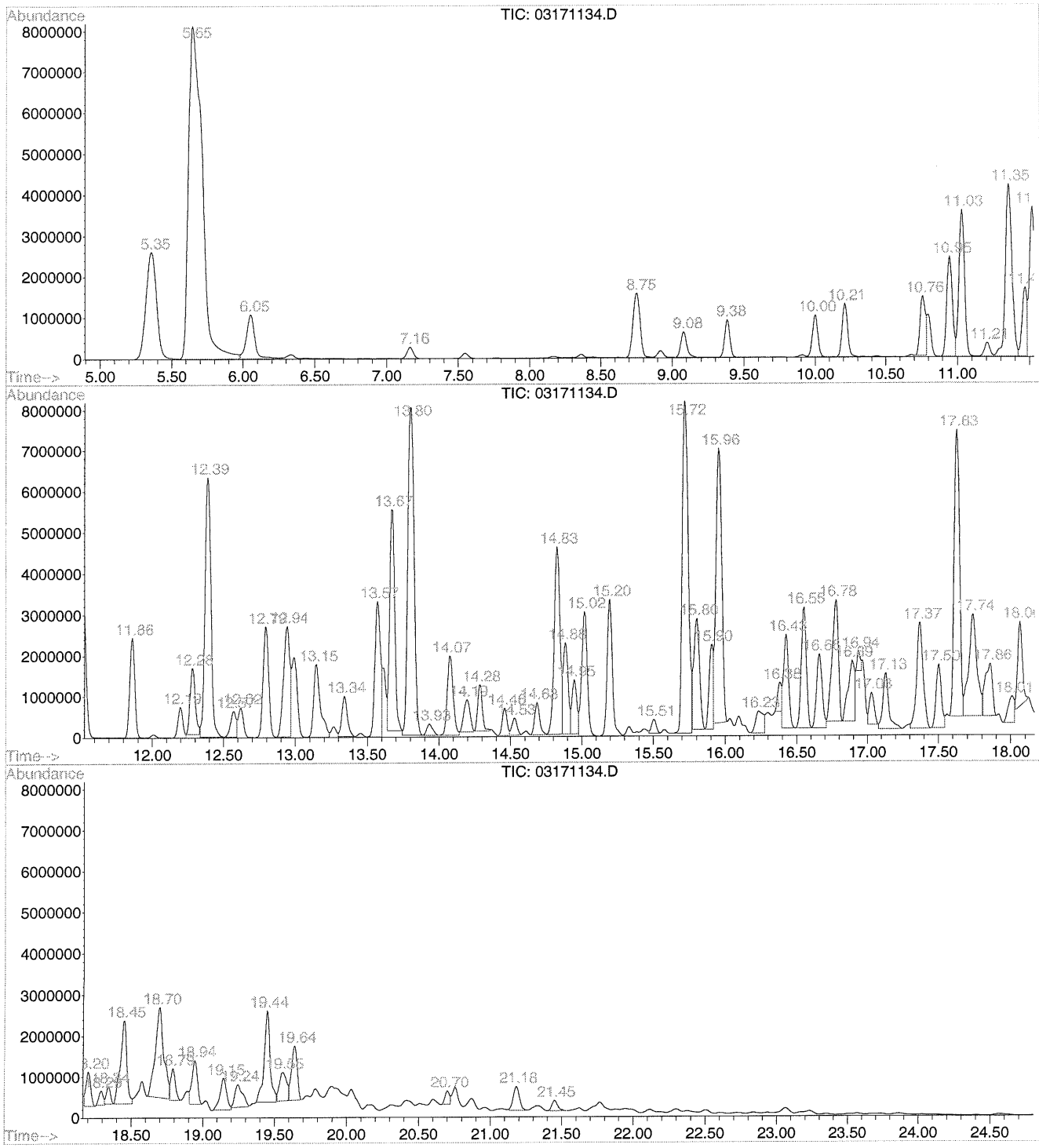
44	15.804	2081	2087	2097	rVB	2719935	7216840	13.34%	1.478%
45	15.903	2097	2106	2109	rBV	2082485	4473694	8.27%	0.916%
46	15.955	2109	2116	2127	rVB	6685607	18946225	35.03%	3.879%
47	16.232	2158	2169	2177	rBV3	539115	2068254	3.82%	0.423%
48	16.384	2191	2198	2200	rBV2	716797	1398653	2.59%	0.286%
49	16.426	2200	2206	2218	rVB	2305974	5673786	10.49%	1.162%
50	16.551	2219	2230	2240	rVB	2965951	7523032	13.91%	1.540%
51	16.661	2240	2251	2260	rBV3	1818338	5111312	9.45%	1.046%
52	16.776	2260	2273	2282	rVB5	2980336	9163179	16.94%	1.876%
53	16.891	2282	2295	2299	rBV6	1496305	4900220	9.06%	1.003%
54	16.938	2300	2304	2308	rBV	478901	824825	1.52%	0.169%
55	17.027	2316	2321	2330	rVB3	783859	1876524	3.47%	0.384%
56	17.132	2331	2341	2363	rVB	1374145	3896034	7.20%	0.798%
57	17.373	2374	2387	2401	rVB2	2598546	8207244	15.17%	1.680%
58	17.503	2402	2412	2420	rBV2	1562893	4085076	7.55%	0.836%
59	17.629	2426	2436	2444	rBV2	7009447	17892258	33.08%	3.663%
60	17.739	2444	2457	2469	rVV4	2503650	9989595	18.47%	2.045%
61	17.859	2470	2480	2488	rVB4	1288520	4438438	8.21%	0.909%
62	18.011	2497	2509	2512	rBV9	661920	1951343	3.61%	0.400%
63	18.063	2513	2519	2529	rVV2	2000214	4663397	8.62%	0.955%
64	18.199	2540	2545	2554	rVB	838943	1914387	3.54%	0.392%
65	18.288	2556	2562	2567	rBV4	345834	747945	1.38%	0.153%
66	18.340	2567	2572	2579	rVB4	425640	862453	1.59%	0.177%
67	18.450	2579	2593	2604	rBV2	2033963	6383822	11.80%	1.307%
68	18.696	2624	2640	2653	rBV9	2183719	9090842	16.81%	1.861%
69	18.790	2654	2658	2668	rVB2	778627	1628776	3.01%	0.333%
70	18.942	2680	2687	2697	rVB2	1066266	2860497	5.29%	0.586%
71	19.146	2712	2726	2736	rBV3	776565	2553658	4.72%	0.523%
72	19.245	2736	2745	2760	rVV8	546227	2166957	4.01%	0.444%
73	19.444	2769	2783	2796	rBV2	2235820	6545637	12.10%	1.340%
74	19.554	2797	2804	2812	rVV4	696385	2433726	4.50%	0.498%
75	19.637	2813	2820	2830	rVB3	1317530	3568434	6.60%	0.731%
76	20.699	3016	3023	3027	rBV4	331408	738925	1.37%	0.151%
77	21.180	3106	3115	3130	rVB3	587449	1761086	3.26%	0.361%
78	21.447	3158	3166	3184	rVB2	256563	752912	1.39%	0.154%

Sum of corrected areas: 488430597

03171134.D 031611V1.M Wed Apr 13 15:48:25 2011

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\031711\03171134.D
Operator : Michael Truchan
Acquired : 18 Mar 2011 11:21 am using AcqMethod 031611V1
Instrument : GC/MS Ins
Sample Name: 1103120-006A
Misc Info : SAMP EPA_TO15-ug/m3
Vial Number: 7
Quant File :031611V1.RES (RTE Integrator)



03171134.D 031611V1.M Wed Apr 13 15:48:25 2011

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.35	42.22 ppbv	13489300	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide $$ Carbon oxide (CO2	44	CO2	000124-38-9	4
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Ethylene oxide	44	C2H4O	000075-21-8	3
5	Nitrous Oxide	44	N2O	010024-97-2	3

****

Peak Number 2 Isobutane $$ Propane, 2-methyl Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	13.43 ppbv	4290090	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane $$ Propane, 2-methyl- $$	58	C4H10	000075-28-5	64
2	Isobutane	58	C4H10	000075-28-5	64
3	Isobutane	58	C4H10	000075-28-5	64
4	Cyclobutylamine	71	C4H9N	002516-34-9	4
5	Cyclobutylamine $$ Aminocyclobutane	71	C4H9N	002516-34-9	4

****

Peak Number 3 Butane, 2-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	2.60 ppbv	830697	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	86
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	Oxirane, trimethyl- $$ Butane, 2,3-	86	C5H10O	005076-19-7	38
5	2,5-Furandione, dihydro-3-methyl- $	114	C5H6O3	004100-80-5	25

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 4 Pentane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	16.74 ppbv	5348000	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	80
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	80
3	Pentane, 2-methyl- $$ Isohexane $$	86	C6H14	000107-83-5	72
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	64
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	58

****

Peak Number 5 Pentane, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	5.65 ppbv	1804000	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl- $$ 3-Methylpenta	86	C6H14	000096-14-0	86
4	Oxirane, (1-methylethyl)- $$ Butane	86	C5H10O	001438-14-8	50
5	Hexane, 2,2,3-trimethyl- $$ 2,2,3-T	128	C9H20	016747-25-4	40

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Peak Number 6 Pentane, 2,4-dimethyl- $$ 2,4- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	8.53 ppbv	2726250	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl- $$ 2,4-Dimet	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Pentane, 2,2-dimethyl- $$ 2,2-Dimet	100	C7H16	000590-35-2	50

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 7 Cyclopentane, methyl- $$ Methy Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	10.94 ppbv	3494460	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl- $$ Methylcycl	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	Cyclobutane, ethyl- $$ Ethylcyclobu	84	C6H12	004806-61-5	64
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	58
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	52

****

Peak Number 8 Pentane, 2,3-dimethyl- $$ 2,3- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	20.28 ppbv	6478420	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl- $$ 2,3-Dimet	100	C7H16	000565-59-3	95
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90

****

Peak Number 9 Cyclopentane, 1,1-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	2.88 ppbv	920071	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	83
2	4-Pentenal, 2-methyl-	98	C6H10O	005187-71-3	53
3	Cyclopentane, 1,1-dimethyl- $$ Gem-	98	C7H14	001638-26-2	49
4	Cyclopentane, 1,1,2-trimethyl- $$ C	112	C8H16	004259-00-1	42
5	Cyclopentane, 1,1,3,4-tetramethyl-,	126	C9H18	053907-60-1	40

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 10 Hexane, 2,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	29.43 ppbv	13694300	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	59

****

Peak Number 11 Hexane, 2,5-dimethyl- $$ Biiso Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	3.83 ppbv	1782920	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	93
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	87
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	53
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	52
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	49

****

Peak Number 12 Hexane, 1-(hexyloxy)-5-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	8.98 ppbv	4178290	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	53
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	49
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47
4	Heptane, 3-methyl- $$ 3-Methylhepta	114	C8H18	000589-81-1	47
5	Oxetane, 2-ethyl-3-methyl-	100	C6H12O	053778-62-4	38

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 13 Cyclohexane, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	39.22 ppbv	18252900	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	78
5	Furan, 2,5-dihydro-2,5-dimethyl-	98	C6H10O	059242-27-2	59

****

Peak Number 14 Cyclopentane, ethyl- $$ Ethylc Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	3.63 ppbv	1689820	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl- $$ Ethylcyclop	98	C7H14	001640-89-7	94
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	93
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	86
4	Cyclopentane, ethyl-	98	C7H14	001640-89-7	43
5	Cyclobutanone, 2,2-dimethyl- $$ 2,2	98	C6H10O	001192-14-9	38

****

Peak Number 15 Cyclopentane, 1,2,4-trimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	3.83 ppbv	1784380	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, (1.	112	C8H16	004850-28-6	56
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	56
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	47
4	Cyclobutanone, 2,2,3-trimethyl- $$	112	C7H12O	001449-49-6	45
5	2-Azetidinone, 3,4,4-trimethyl-	113	C6H11NO	022607-01-8	42

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 16 Pentane, 2,3,4-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	15.54 ppbv	7230350	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	58
3	3,3-Dimethyl-2-pentanol	116	C7H16O	000000-00-0	56
4	Pentane, 2,3,4-trimethyl- $$ 2,3,4-	114	C8H18	000565-75-3	52
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	50

****

Peak Number 17 Hexane, 2,5-dimethyl- $$ Biiso Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	18.22 ppbv	8478400	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	90
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	87
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	81
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58

****

Peak Number 18 Heptane, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	12.27 ppbv	5711710	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	87
2	Heptane, 3-methyl- $$ 3-Methylhepta	114	C8H18	000589-81-1	68
3	Hexane, 2,4-dimethyl- $$ 2,4-Dimeth	114	C8H18	000589-43-5	50
4	Hexane, 3-ethyl- $$ 3-Ethylhexane	114	C8H18	000619-99-8	47
5	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	47

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 19 Hexane, 2,2,5-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	5.62 ppbv	2614170	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	90
2	Hexane, 2,2,5-trimethyl- $$ 2,2,5-T	128	C9H20	003522-94-9	83
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
5	Hexane, 2,2,4-trimethyl- $$ 2,2,4-T	128	C9H20	016747-26-5	83

****

Peak Number 20 Cyclohexane, 1,3-dimethyl-, ci Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	19.56 ppbv	9104230	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	95
2	Cyclohexane, 1,3-dimethyl- $$ 1,3-D	112	C8H16	000591-21-9	95
3	Cyclohexane, 1,3-dimethyl-, cis- $$	112	C8H16	000638-04-0	93
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90

****

Peak Number 21 Octane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	28.45 ppbv	13238500	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	87
2	Octane	114	C8H18	000111-65-9	83
3	Heptane, 2,4-dimethyl- $$ 2,4-Dimet	128	C9H20	002213-23-2	72
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	64

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 22 Cyclohexane, 1,2-dimethyl-, tr Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	2.93 ppbv	5522400	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
2	Cyclohexane, 1,4-dimethyl-, cis- $$	112	C8H16	000624-29-3	90
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87

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Peak Number 23 Cyclohexane, 1,3-dimethyl-, tr Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	1.29 ppbv	2422320	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	81
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	72
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	70
5	Cyclohexane, 1,3-dimethyl- $$ 1,3-D	112	C8H16	000591-21-9	70

****

Peak Number 24 Heptane, 2,6-dimethyl- $$ 2,6- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	1.35 ppbv	2536320	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl- $$ 2,6-Dimet	128	C9H20	001072-05-5	78
2	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	62
3	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	59
4	Octane, 4-methyl- $$ 4-Methyloctane	128	C9H20	002216-34-4	53
5	Nonane	128	C9H20	000111-84-2	52

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 25 Cyclopentane, propyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	1.03 ppbv	1949160	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, propyl-	112	C8H16	002040-96-2	55
2	Cyclopentane, butyl-	126	C9H18	002040-95-1	49
3	Cyclopentane, propyl-	112	C8H16	002040-96-2	43
4	Cyclopentane, propyl- $$ n-Propylcy	112	C8H16	002040-96-2	43
5	8-Oxabicyclo[5.1.0]octane $$ Cycloh	112	C7H12O	000286-45-3	38

****

Peak Number 26 Cyclohexane, ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	6.97 ppbv	13137500	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	95
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	80

****

Peak Number 27 Cyclooctane, (1-methylpropyl)- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	2.84 ppbv	5350030	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, (1-methylpropyl)- $$ C	168	C12H24	016538-89-9	12
2	2,2-Dimethyl-3-heptene trans $$ tra	126	C9H18	019550-75-5	9
3	Cyclohexane, 1,3,5-trimethyl-, (1.a	126	C9H18	001795-26-2	9
4	6-Methyl-hept-2-yn-4-ol	126	C8H14O	060018-69-1	9
5	2-Hexene, 2,5-dimethyl-	112	C8H16	003404-78-2	9

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 28 Heptane, 2,3-dimethyl- $$ 2,3- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	1.71 ppbv	3222170	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl- $$ 2,3-Dimet	128	C9H20	003074-71-3	76
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	58
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	52
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50

****

Peak Number 29 Heptane, 2,4-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	4.39 ppbv	8272190	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
2	Octane, 4-methyl-	128	C9H20	002216-34-4	58
3	Heptane, 2,4-dimethyl- $$ 2,4-Dimet	128	C9H20	002213-23-2	58
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
5	Octane, 4-methyl-	128	C9H20	002216-34-4	52

****

Peak Number 30 Octane, 3-methyl- $$ 3-Methylo Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	4.53 ppbv	8530370	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl- $$ 3-Methyloctane	128	C9H20	002216-33-3	58
2	Octane, 3-methyl-	128	C9H20	002216-33-3	52
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	43
4	Heptane, 3-ethyl- $$ 3-Ethylheptane	128	C9H20	015869-80-4	43
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	35

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 31 1-Ethyl-4-methylcyclohexane Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	2.37 ppbv	4473690	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	95
2	Cyclohexane, 1-ethyl-4-methyl-, tra	126	C9H18	006236-88-0	86
3	2-Hexene, 3,4,4-trimethyl- $$ 3,4,4	126	C9H18	053941-19-8	72
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	70
5	4-Octen-3-one $$ Oct-4-en-3-one	126	C8H14O	014129-48-7	64

****

Peak Number 32 Octane, 2,5-dimethyl- $$ 2,5-D Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	1.10 ppbv	2068250	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5-dimethyl- $$ 2,5-Dimeth	142	C10H22	015869-89-3	76
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	59
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	53
4	Undecane, 5,5-dimethyl- $$ Undecane	184	C13H28	017312-73-1	53
5	Heptane, 2,3,4-trimethyl- $$ 2,3,4-	142	C10H22	052896-95-4	50

****

Peak Number 33 Octane, 2,6-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	3.01 ppbv	5673790	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Octane, 3,6-dimethyl- $$ 3,6-Dimeth	142	C10H22	015869-94-0	91
3	Nonane, 3-methyl- $$ 3-Methylnonane	142	C10H22	005911-04-6	91
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
5	Octane, 2,6-dimethyl- $$ 2,6-Dimeth	142	C10H22	002051-30-1	90

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 34 1,3,2-Dioxaborolane, 4,4-dimet Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	2.71 ppbv	5111310	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,2-Dioxaborolane, 4,4-dimethyl-5	142	C6H11BO3	000000-00-0	43
2	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	43
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	38
4	Cyclohexane, (1-methylethyl)- $$ Cy	126	C9H18	000696-29-7	38
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38

****

Peak Number 35 Cyclohexane, propyl- $$ Propyl Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	4.86 ppbv	9163180	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl- $$ Propylcyclo	126	C9H18	001678-92-8	70
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	58
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	58
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	58

****

Peak Number 36 2-Oxepanone, 7-hexyl- $$ .epsi Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	2.60 ppbv	4900220	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Oxepanone, 7-hexyl- $$ .epsilon.-	198	C12H22O2	016429-21-3	43
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	38
3	Furan, tetrahydro-2,4-dimethyl-, tr	100	C6H12O	039168-02-0	27
4	Hexane, 2,4-dimethyl- $$ 2,4-Dimeth	114	C8H18	000589-43-5	22
5	3-Nonene, 2-methyl-	140	C10H20	053966-53-3	15

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 37 Benzene, (1-methylethyl)- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	1.00 ppbv	1876520	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	87
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	64
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	64
4	Benzene, 1-ethyl-2-methyl- $$ Tolue	120	C9H12	000611-14-3	52
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	52

****

Peak Number 38 Octane, 2,6-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	2.07 ppbv	3896030	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
2	Nonane, 3-methyl- $$ 3-Methylnonane	142	C10H22	005911-04-6	81
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
4	Octane, 3,6-dimethyl- $$ 3,6-Dimeth	142	C10H22	015869-94-0	68
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	64

****

Peak Number 39 4-Nonene, 3-methyl-, (Z)- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	2.17 ppbv	4085080	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	59
2	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	50
3	Nonane, 3-methylene-	140	C10H20	051655-64-2	49
4	Cyclooctane, methyl-	126	C9H18	001502-38-1	47
5	1-Hexene, 3,3-dimethyl- $$ 3,3-Dime	112	C8H16	003404-77-1	46

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 40 Decane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	9.50 ppbv	17892300	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	91
2	Octane, 4-ethyl- $$ 4-Ethyloctane	142	C10H22	015869-86-0	64
3	Undecane, 3-methyl- $$ 3-Methylunde	170	C12H26	001002-43-3	59
4	Undecane, 2-methyl- $$ 2-Methylunde	170	C12H26	007045-71-8	59
5	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	59

****

Peak Number 41 Cyclooctane, ethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	1.04 ppbv	1951340	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, ethyl-	140	C10H20	013152-02-8	53
2	Cyclohexane, diethyl- $$ Diethylcyc	140	C10H20	001331-43-7	53
3	Cyclohexane, diethyl-	140	C10H20	001331-43-7	52
4	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	52
5	Cyclooctane, butyl-	168	C12H24	016538-93-5	50

****

Peak Number 42 Decane, 4-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	2.48 ppbv	4663400	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	83
2	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	72
3	Octane, 3,3-dimethyl- $$ 3,3-Dimeth	142	C10H22	004110-44-5	72
4	Decane, 4-methyl- $$ 4-Methyldecane	156	C11H24	002847-72-5	64
5	Nonane, 2,6-dimethyl- $$ 2,6-Dimeth	156	C11H24	017302-28-2	59

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 43 Benzene, 1-ethyl-2-methyl- $$ Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	1.02 ppbv	1914390	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl- $$ Tolue	120	C9H12	000611-14-3	89
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	89
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	86
4	Benzene, 1-ethyl-4-methyl- $$ Tolue	120	C9H12	000622-96-8	50
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	50

****

Peak Number 44 Cyclohexane, butyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	4.83 ppbv	9090840	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	93
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	76
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	76
4	Cyclohexane, butyl- $$ n-Butylcyclo	140	C10H20	001678-93-9	76
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	76

****

Peak Number 45 Dodecane, 2,6,11-trimethyl- $$ Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	1.52 ppbv	2860500	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl- $$ 2,6,	212	C15H32	031295-56-4	43
2	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	42
3	Tetradecane, 1-iodo- $$ Tetradecyl	324	C14H29I	019218-94-1	40
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	40
5	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	40

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 46 Benzene, 1,3,5-trimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	1.36 ppbv	2553660	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	95
2	Benzene, 1,2,3-trimethyl- $$ Hemime	120	C9H12	000526-73-8	94
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	93
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	87
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81

****

Peak Number 47 1-Ethyl-2,2,6-trimethylcyclohe Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	1.15 ppbv	2166960	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	81
2	Cyclopropane, 1-butyl-1-methyl-2-pr	154	C11H22	041977-34-8	53
3	1-Decene, 5-methyl-	154	C11H22	054244-79-0	52
4	Cyclohexanone, 5-methyl-2-(1-methyl	154	C10H18O	010458-14-7	52
5	4-Isopropyl-1,3-cyclohexanedione	154	C9H14O2	062831-62-3	49

****

Peak Number 48 Undecane Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	3.47 ppbv	6545640	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	94
2	Undecane	156	C11H24	001120-21-4	94
3	Undecane $$ n-Undecane $$ Hendecane	156	C11H24	001120-21-4	94
4	Undecane	156	C11H24	001120-21-4	93
5	Hexadecane	226	C16H34	000544-76-3	90

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 49 4-Decene, 4-methyl-, (E)- $$ t Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.55	1.29 ppbv	2433730	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Decene, 4-methyl-, (E)- $$ trans-	154	C11H22	060366-66-7	30
2	Benzene, butyl-	134	C10H14	000104-51-8	30
3	Cyclododecane	168	C12H24	000294-62-2	27
4	5-Octadecene, (E)-	252	C18H36	007206-21-5	25
5	4-Butyl-cyclohexanone	154	C10H18O	000000-00-0	25

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Peak Number 50 Naphthalene, decahydro-, trans Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	1.89 ppbv	3568430	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	91
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	90
3	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	87
4	Naphthalene, decahydro-, trans- $$	138	C10H18	000493-02-7	86
5	Naphthalene, decahydro- $$ Bicyclo[	138	C10H18	000091-17-8	86

Tentatively Identified Compound (LSC) summary

Operator ID: Michael Truchan Date Acquired: 18 Mar 2011 11:21 am
Data File: C:\HPCHEM\1\DATA\031711\03171134.D
Name: 1103120-006A
Misc: SAMP EPA_TO15-ug/m3
Method: C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title: TO15 ppbv
Library Searched: C:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	5.35	42.2	ppbv	13489300	ISTD01	10.76	3993980	12.5
Isobutane $$ Propane	6.05	13.4	ppbv	4290090	ISTD01	10.76	3993980	12.5
Butane, 2-methyl-	7.16	2.6	ppbv	830697	ISTD01	10.76	3993980	12.5
Pentane, 2-methyl-	8.75	16.7	ppbv	5348000	ISTD01	10.76	3993980	12.5
Pentane, 3-methyl-	9.08	5.6	ppbv	1804000	ISTD01	10.76	3993980	12.5
Pentane, 2,4-dimethy	10.00	8.5	ppbv	2726250	ISTD01	10.76	3993980	12.5
Cyclopentane, methyl	10.21	10.9	ppbv	3494460	ISTD01	10.76	3993980	12.5
Pentane, 2,3-dimethy	10.95	20.3	ppbv	6478420	ISTD01	10.76	3993980	12.5
Cyclopentane, 1,1-di	11.21	2.9	ppbv	920071	ISTD01	10.76	3993980	12.5
Hexane, 2,2-dimethyl	11.35	29.4	ppbv	13694300	ISTD02	11.86	5816840	12.5
Hexane, 2,5-dimethyl	12.19	3.8	ppbv	1782920	ISTD02	11.86	5816840	12.5
Hexane, 1-(hexyloxy)	12.28	9.0	ppbv	4178290	ISTD02	11.86	5816840	12.5
Cyclohexane, methyl-	12.39	39.2	ppbv	18252900	ISTD02	11.86	5816840	12.5
Cyclopentane, ethyl-	12.57	3.6	ppbv	1689820	ISTD02	11.86	5816840	12.5
Cyclopentane, 1,2,4-	12.62	3.8	ppbv	1784380	ISTD02	11.86	5816840	12.5
Pentane, 2,3,4-trime	12.79	15.5	ppbv	7230350	ISTD02	11.86	5816840	12.5
Hexane, 2,5-dimethyl	12.94	18.2	ppbv	8478400	ISTD02	11.86	5816840	12.5
Heptane, 3-methyl-	13.15	12.3	ppbv	5711710	ISTD02	11.86	5816840	12.5
Hexane, 2,2,5-trimet	13.34	5.6	ppbv	2614170	ISTD02	11.86	5816840	12.5
Cyclohexane, 1,3-dim	13.57	19.6	ppbv	9104230	ISTD02	11.86	5816840	12.5
Octane	13.67	28.4	ppbv	13238500	ISTD02	11.86	5816840	12.5
Cyclohexane, 1,2-dim	14.07	2.9	ppbv	5522400	ISTD03	15.71	23551300	12.5
Cyclohexane, 1,3-dim	14.19	1.3	ppbv	2422320	ISTD03	15.71	23551300	12.5
Heptane, 2,6-dimethy	14.28	1.3	ppbv	2536320	ISTD03	15.71	23551300	12.5
Cyclopentane, propyl	14.68	1.0	ppbv	1949160	ISTD03	15.71	23551300	12.5
Cyclohexane, ethyl-	14.83	7.0	ppbv	13137500	ISTD03	15.71	23551300	12.5
Cyclooctane, (1-meth	14.88	2.8	ppbv	5350030	ISTD03	15.71	23551300	12.5
Heptane, 2,3-dimethy	14.95	1.7	ppbv	3222170	ISTD03	15.71	23551300	12.5
Heptane, 2,4-dimethy	15.02	4.4	ppbv	8272190	ISTD03	15.71	23551300	12.5
Octane, 3-methyl- $$	15.20	4.5	ppbv	8530370	ISTD03	15.71	23551300	12.5
1-Ethyl-4-methylcycl	15.90	2.4	ppbv	4473690	ISTD03	15.71	23551300	12.5
Octane, 2,5-dimethyl	16.23	1.1	ppbv	2068250	ISTD03	15.71	23551300	12.5
Octane, 2,6-dimethyl	16.43	3.0	ppbv	5673790	ISTD03	15.71	23551300	12.5
1,3,2-Dioxaborolane,	16.66	2.7	ppbv	5111310	ISTD03	15.71	23551300	12.5
Cyclohexane, propyl-	16.78	4.9	ppbv	9163180	ISTD03	15.71	23551300	12.5
2-Oxepanone, 7-hexyl	16.89	2.6	ppbv	4900220	ISTD03	15.71	23551300	12.5
Benzene, (1-methylet	17.03	1.0	ppbv	1876520	ISTD03	15.71	23551300	12.5
Octane, 2,6-dimethyl	17.13	2.1	ppbv	3896030	ISTD03	15.71	23551300	12.5
4-Nonene, 3-methyl-,	17.50	2.2	ppbv	4085080	ISTD03	15.71	23551300	12.5
Decane	17.63	9.5	ppbv	17892300	ISTD03	15.71	23551300	12.5
Cyclooctane, ethyl-	18.01	1.0	ppbv	1951340	ISTD03	15.71	23551300	12.5
Decane, 4-methyl-	18.06	2.5	ppbv	4663400	ISTD03	15.71	23551300	12.5
Benzene, 1-ethyl-2-m	18.20	1.0	ppbv	1914390	ISTD03	15.71	23551300	12.5
Cyclohexane, butyl-	18.70	4.8	ppbv	9090840	ISTD03	15.71	23551300	12.5
Dodecane, 2,6,11-tri	18.94	1.5	ppbv	2860500	ISTD03	15.71	23551300	12.5
Benzene, 1,3,5-trime	19.15	1.4	ppbv	2553660	ISTD03	15.71	23551300	12.5
1-Ethyl-2,2,6-trimet	19.24	1.2	ppbv	2166960	ISTD03	15.71	23551300	12.5
Undecane	19.44	3.5	ppbv	6545640	ISTD03	15.71	23551300	12.5
4-Decene, 4-methyl-,	19.55	1.3	ppbv	2433730	ISTD03	15.71	23551300	12.5
Naphthalene, decahyd	19.64	1.9	ppbv	3568430	ISTD03	15.71	23551300	12.5

03171134.D 031611V1.M Wed Apr 13 15:48:28 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:25 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	710376	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2709605	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1342520	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1202712	17.87	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 142.96%#				
Target Compounds							Qvalue
2) Propylene	5.67	41	10613781	199.31	ppbv	#	82
7) 1,3-Butadiene	6.49	39	397259	7.40	ppbv	#	29
11) Ethanol	7.75	45	14494	1.23	ppbv	#	75
14) Acetone	8.36	43	571398	6.53	ppbv	#	90
20) n-Hexane	9.39	57	445654	4.30	ppbv		99
24) 2-Butanone	10.43	43	61088	0.68	ppbv	#	89
29) Cyclohexane	11.04	56	1004514	9.56	ppbv	#	83
31) Benzene	11.47	78	1426077	8.12	ppbv		99
34) Heptane	11.52	43	1373465	10.50	ppbv		97
41) Toluene	13.80	91	9091020	44.52	ppbv		92
50) Ethylbenzene	15.80	91	3043449	19.50	ppbv		97
51) m,p-Xylene	15.96	91	6305988	52.18	ppbv		97
52) o-Xylene	16.55	91	2603550	22.12	ppbv	#	90
57) 4-Ethyltoluene	17.74	105	1445646	10.28	ppbv		98
58) 1,3,5-Trimethylbenzene	17.86	105	762361	6.57	ppbv		100
59) 1,2,4-Trimethylbenzene	18.45	105	1659560	16.02	ppbv		99
66) Naphthalene	23.75	128	31961	0.74	ppbv	#	95

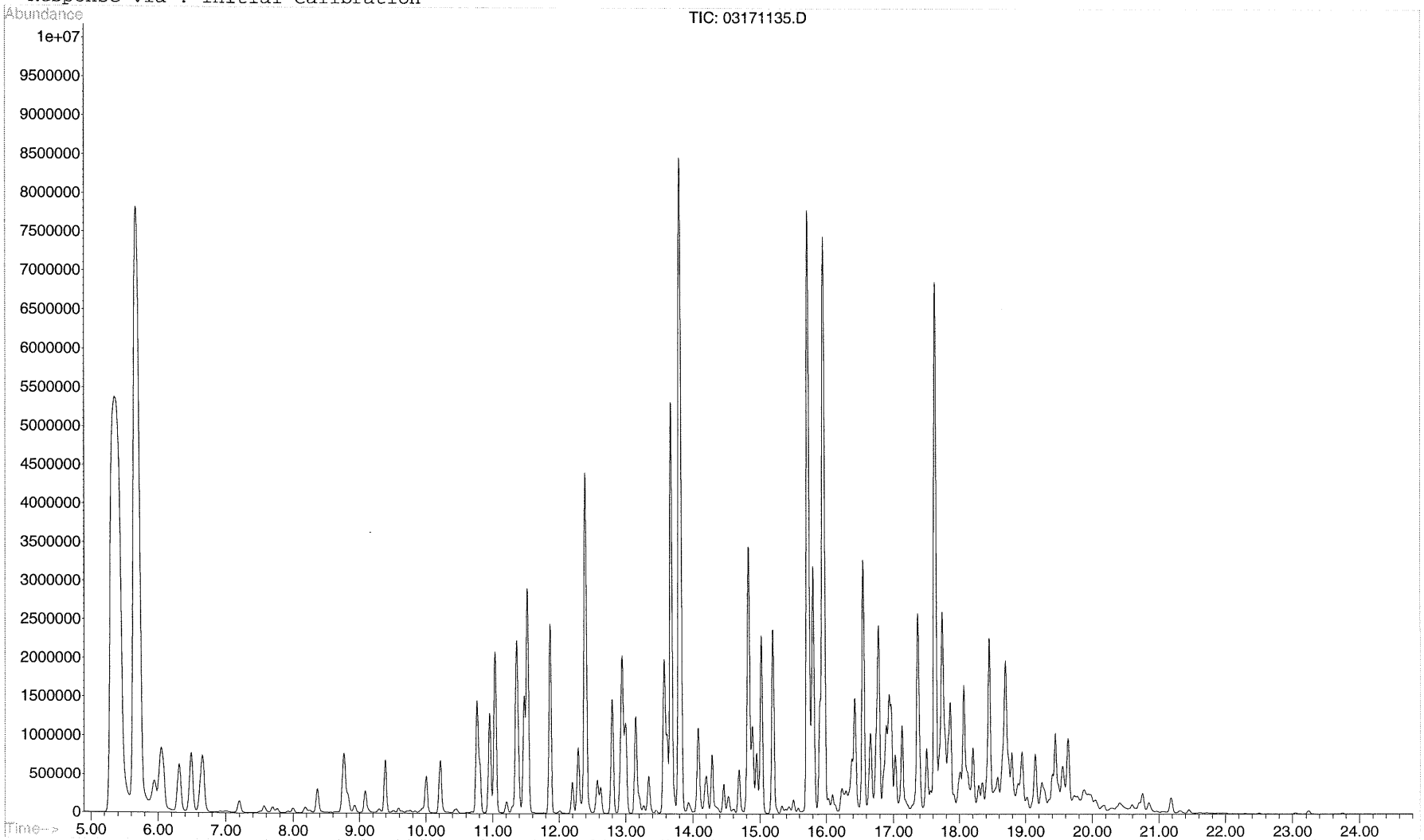
= reported only CH 4/15/11

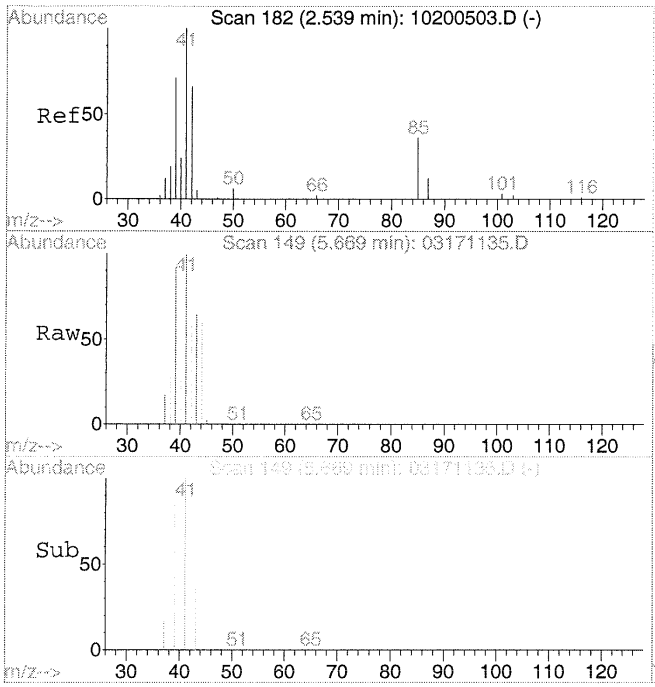
(#) = qualifier out of range (m) = manual integration
03171135.D 031611V1.M Wed Apr 13 15:48:34 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:25 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

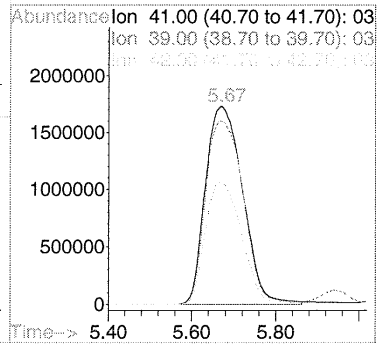


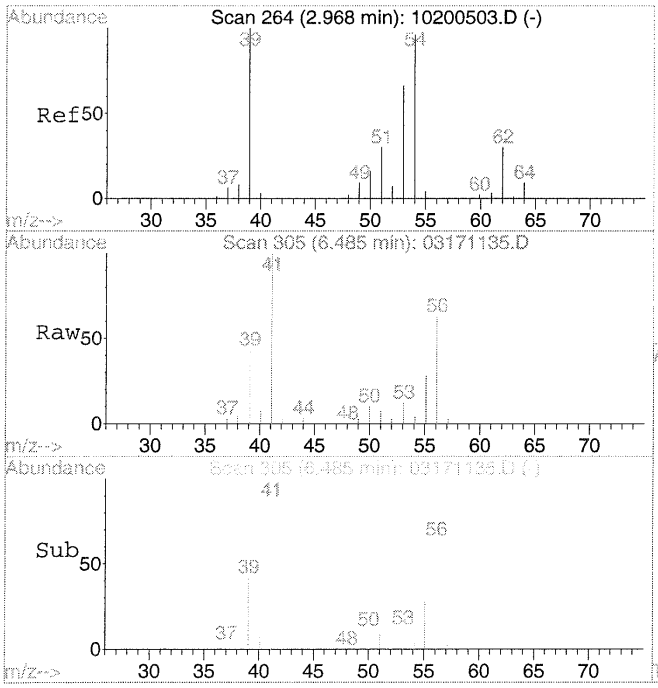


#2
Propylene
Concen: 199.31 ppbv
RT: 5.67 min Scan# 149
Delta R.T. -0.01 min
Lab File: 03171135.D
Acq: 18 Mar 2011 12:01 pm

Tgt Ion: 41 Resp:10613781

Ion	Ratio	Lower	Upper
41	100		
39	93.5	57.6	86.4#
42	60.0	54.0	81.0

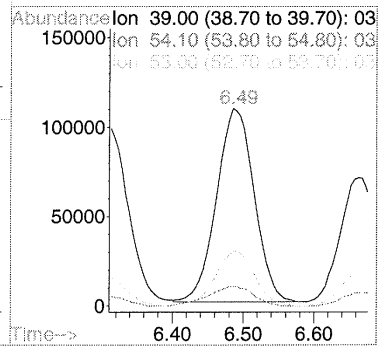


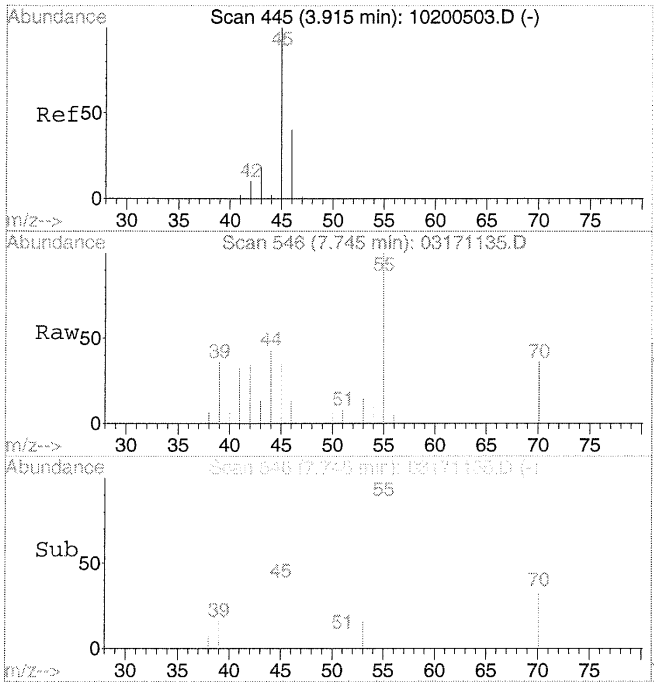


#7
1,3-Butadiene
Concen: 7.40 ppbv
RT: 6.49 min Scan# 305
Delta R.T. 0.05 min
Lab File: 03171135.D
Acq: 18 Mar 2011 12:01 pm

Tgt Ion: 39 Resp: 397259

Ion	Ratio	Lower	Upper
39	100		
54	12.2	79.4	119.0#
53	29.8	53.2	79.8#

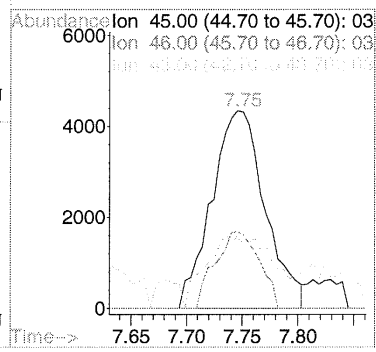


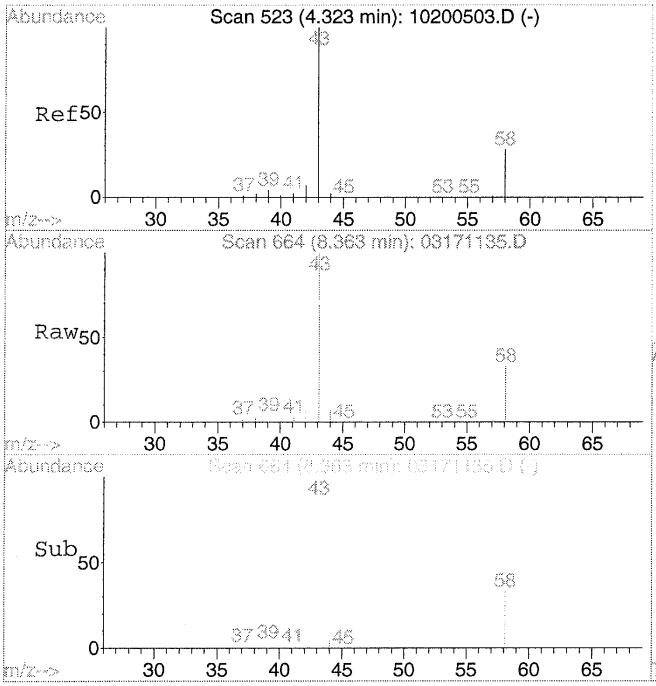


#11
Ethanol
Concen: 1.23 ppbv
RT: 7.75 min Scan# 546
Delta R.T. 0.01 min
Lab File: 03171135.D
Acq: 18 Mar 2011 12:01 pm

Tgt Ion: 45 Resp: 14494

Ion	Ratio	Lower	Upper
45	100		
46	31.9	30.2	45.4
43	44.9	15.8	23.6#

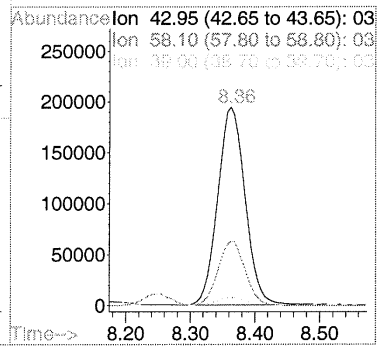


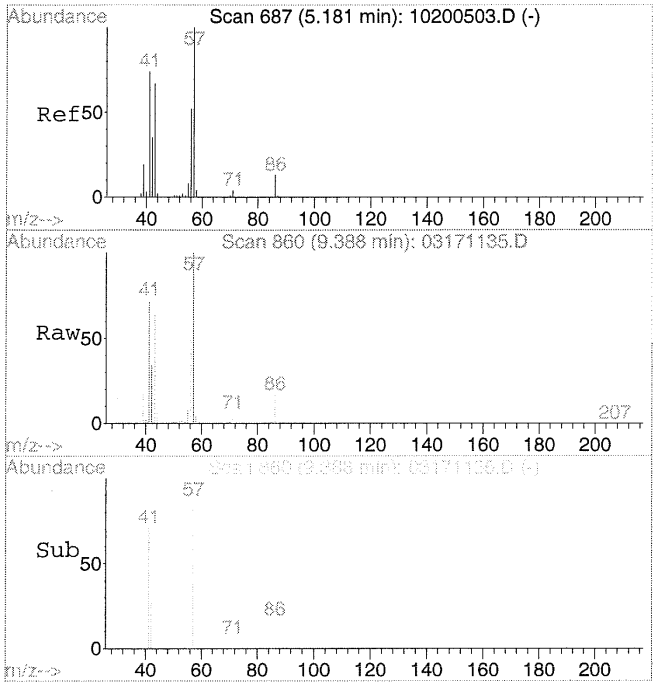


#14
Acetone
Concen: 6.53 ppbv
RT: 8.36 min Scan# 664
Delta R.T. 0.00 min
Lab File: 03171135.D
Acq: 18 Mar 2011 12:01 pm

Tgt Ion: 43 Resp: 571398

Ion	Ratio	Lower	Upper
43	100		
58	32.6	22.0	33.0
39	3.8	6.5	9.7#

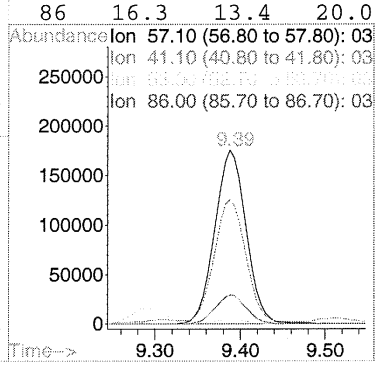


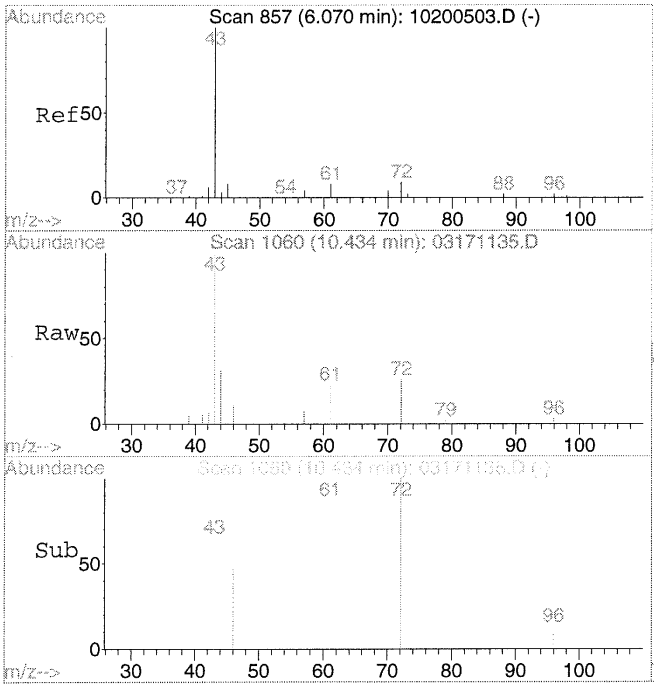


#20
n-Hexane
Concen: 4.30 ppbv
RT: 9.39 min Scan# 860
Delta R.T. -0.01 min
Lab File: 03171135.D
Acq: 18 Mar 2011 12:01 pm

Tgt Ion: 57 Resp: 445654

Ion	Ratio	Lower	Upper
57	100		
41	70.7	57.2	85.8
53	2.4	1.8	2.8
86	16.3	13.4	20.0

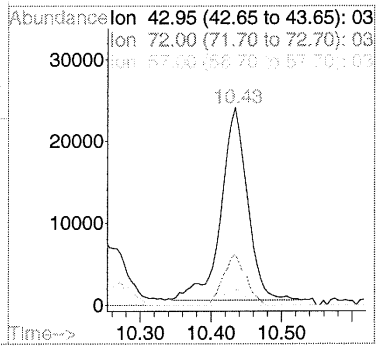


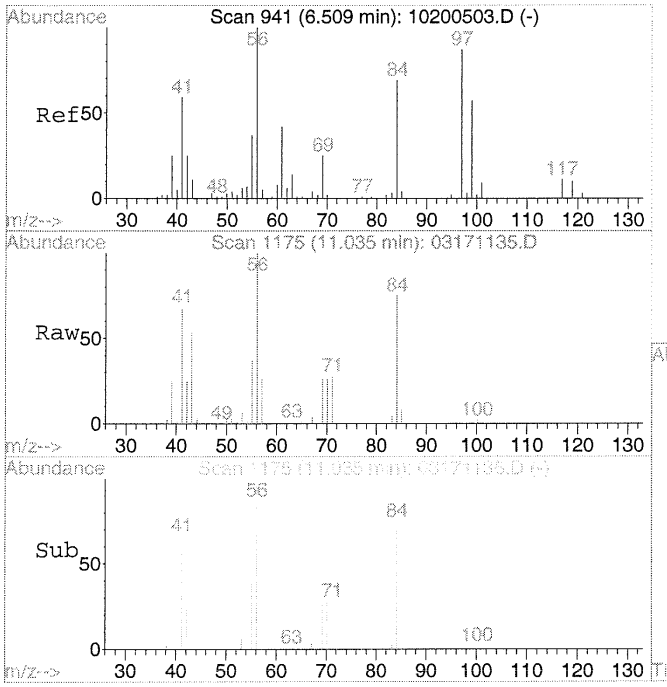


#24
2-Butanone
Concen: 0.68 ppbv
RT: 10.43 min Scan# 1060
Delta R.T. 0.01 min
Lab File: 03171135.D
Acq: 18 Mar 2011 12:01 pm

Tgt Ion: 43 Resp: 61088

Ion	Ratio	Lower	Upper
43	100		
72	22.2	23.4	35.2#
57	7.2	6.9	10.3

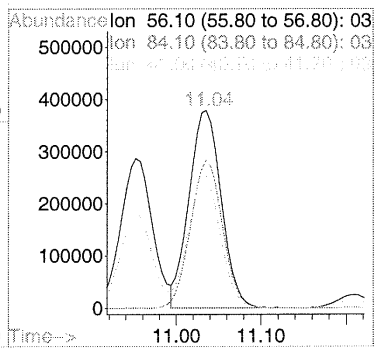


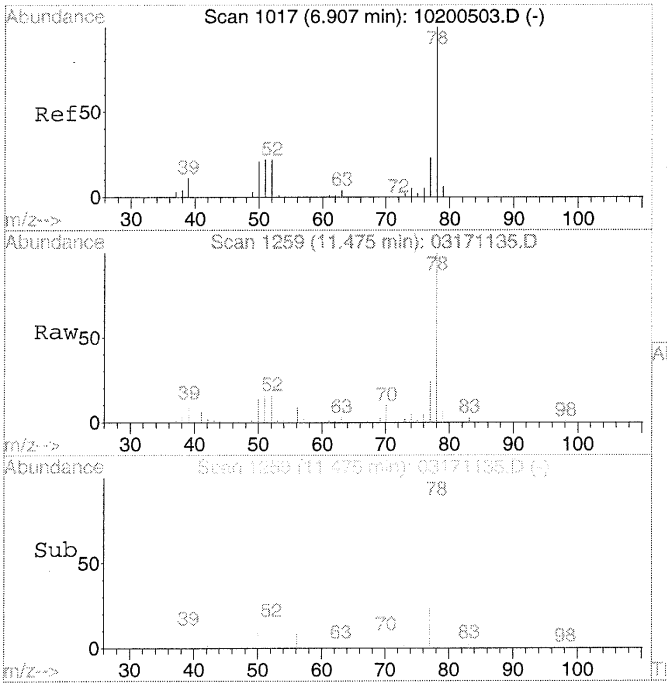


#29
Cyclohexane
Concen: 9.56 ppbv
RT: 11.04 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03171135.D
Acq: 18 Mar 2011 12:01 pm

Tgt Ion: 56 Resp: 1004514

Ion	Ratio	Lower	Upper
56	100		
84	74.9	72.4	108.6
41	66.8	43.8	65.8#

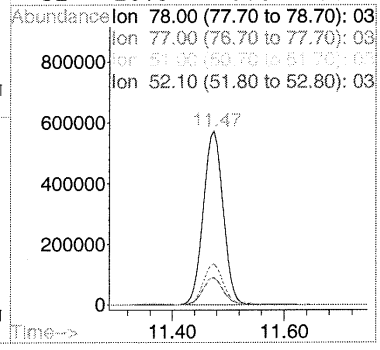


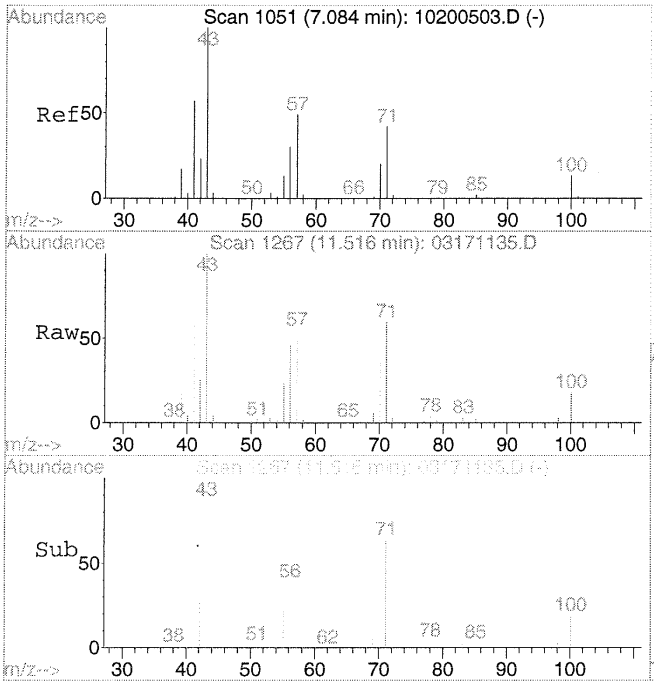


#31
Benzene
Concen: 8.12 ppbv
RT: 11.47 min Scan# 1259
Delta R.T. 0.00 min
Lab File: 03171135.D
Acq: 18 Mar 2011 12:01 pm

Tgt Ion: 78 Resp: 1426077

Ion	Ratio	Lower	Upper
78	100		
77	23.9	3.7	43.7
51	17.5	0.0	36.1
52	16.3	0.0	36.0

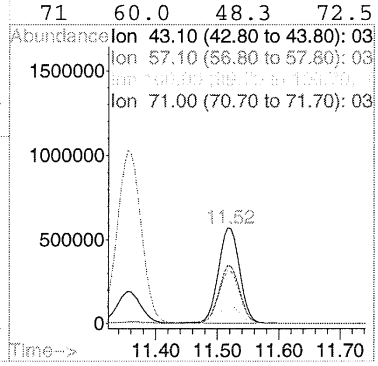


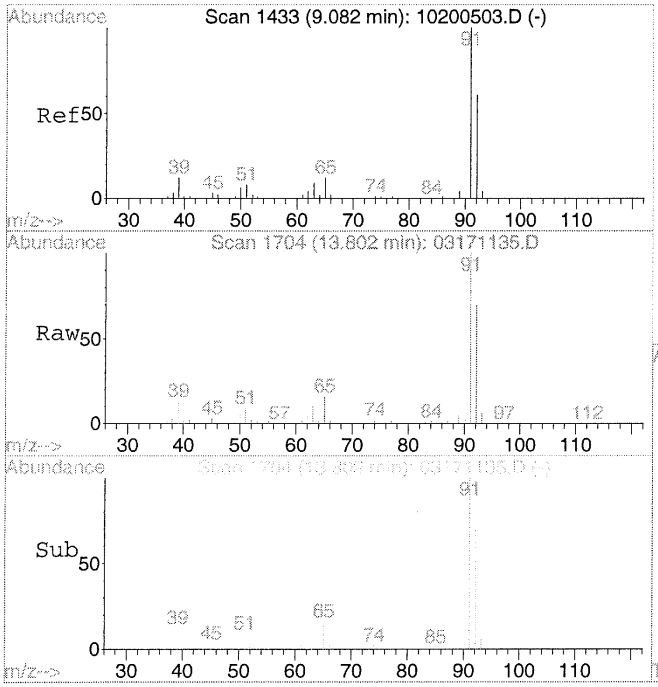


#34
Heptane
Concen: 10.50 ppbv
RT: 11.52 min Scan# 1267
Delta R.T. -0.01 min
Lab File: 03171135.D
Acq: 18 Mar 2011 12:01 pm

Tgt Ion: 43 Resp: 1373465

Ion	Ratio	Lower	Upper
43	100		
57	56.1	42.2	63.4
100	17.5	17.3	25.9
71	60.0	48.3	72.5

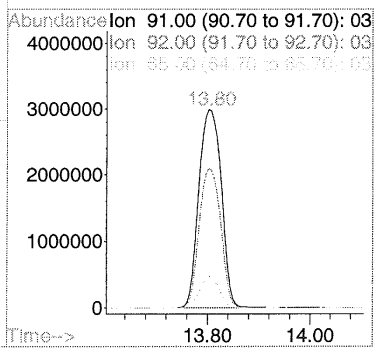


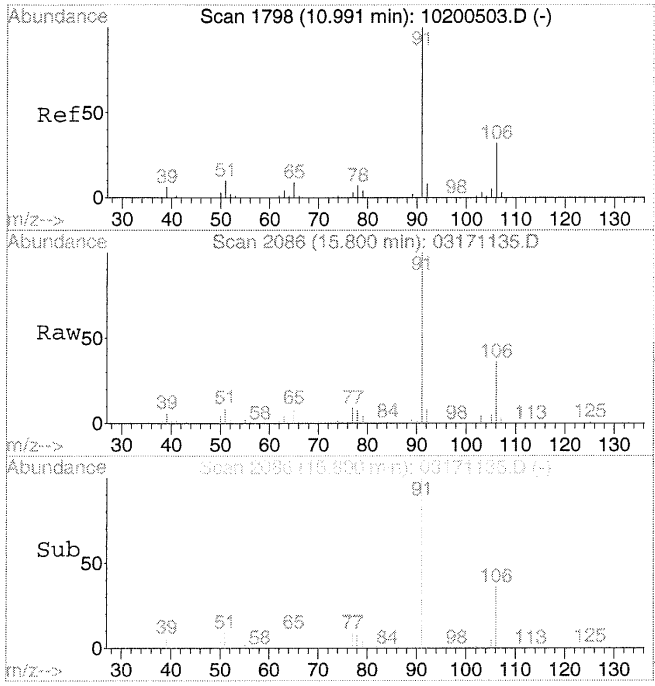


#41
Toluene
Concen: 44.52 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03171135.D
Acq: 18 Mar 2011 12:01 pm

Tgt Ion: 91 Resp: 9091020

Ion	Ratio	Lower	Upper
91	100		
92	67.0	40.5	80.5
65	13.8	0.0	31.2

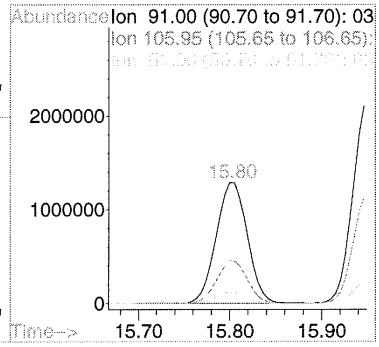


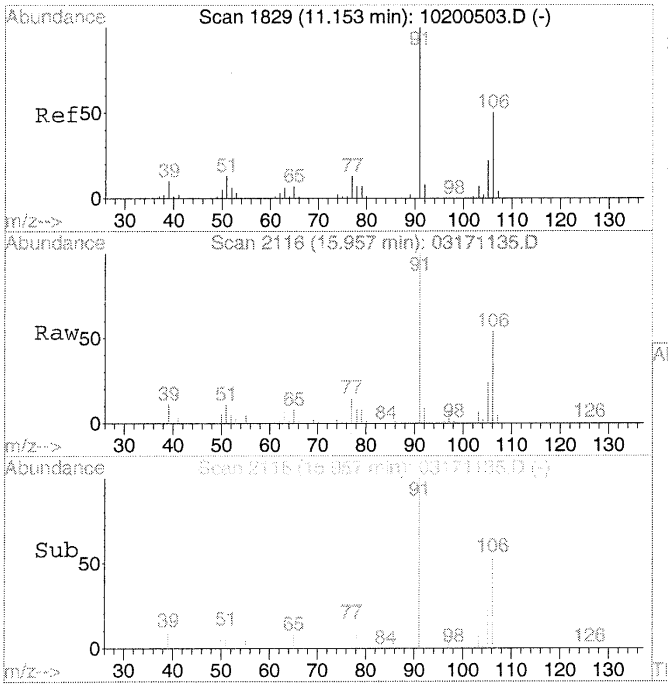


#50
Ethylbenzene
Concen: 19.50 ppbv
RT: 15.80 min Scan# 2086
Delta R.T. -0.00 min
Lab File: 03171135.D
Acq: 18 Mar 2011 12:01 pm

Tgt Ion: 91 Resp: 3043449

Ion	Ratio	Lower	Upper
91	100		
106	34.8	14.9	54.9
51	9.3	0.0	33.1

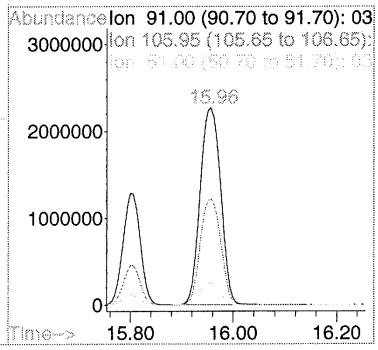


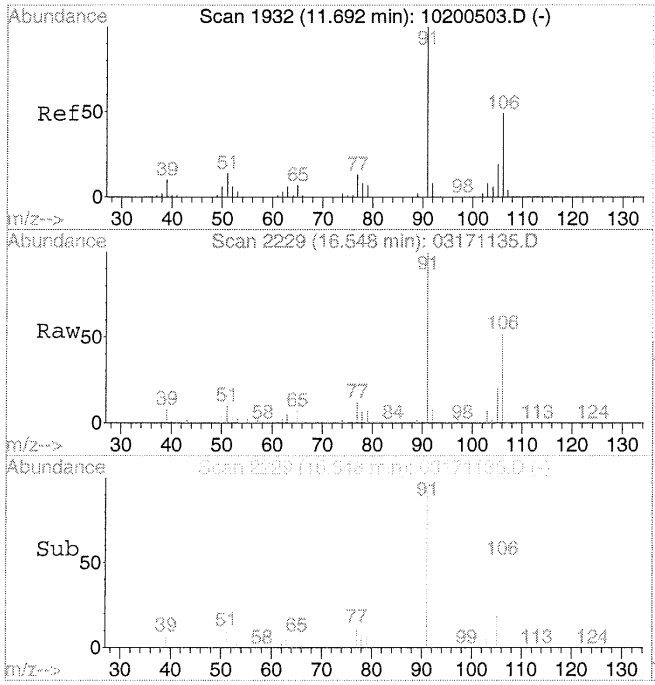


#51
m,p-Xylene
Concen: 52.18 ppbv
RT: 15.96 min Scan# 2116
Delta R.T. -0.00 min
Lab File: 03171135.D
Acq: 18 Mar 2011 12:01 pm

Tgt Ion: 91 Resp: 6305988

Ion	Ratio	Lower	Upper
91	100		
106	53.8	35.6	75.6
51	10.9	0.0	29.6

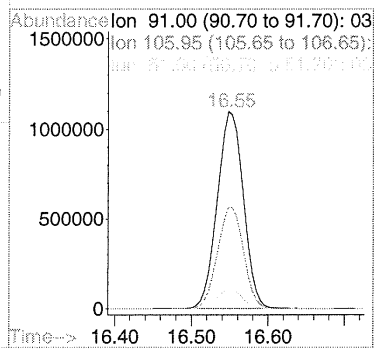


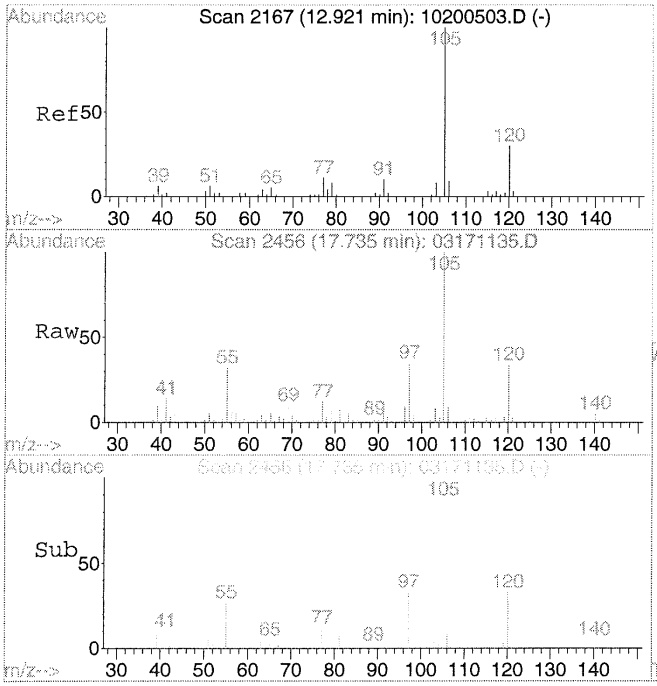


#52
o-Xylene
Concen: 22.12 ppbv
RT: 16.55 min Scan# 2229
Delta R.T. -0.00 min
Lab File: 03171135.D
Acq: 18 Mar 2011 12:01 pm

Tgt Ion: 91 Resp: 2603550

Ion	Ratio	Lower	Upper
91	100		
106	51.6	41.0	61.6
51	9.8	19.7	29.5#

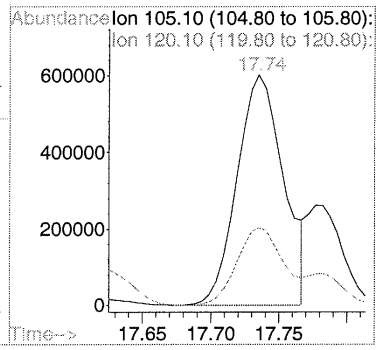


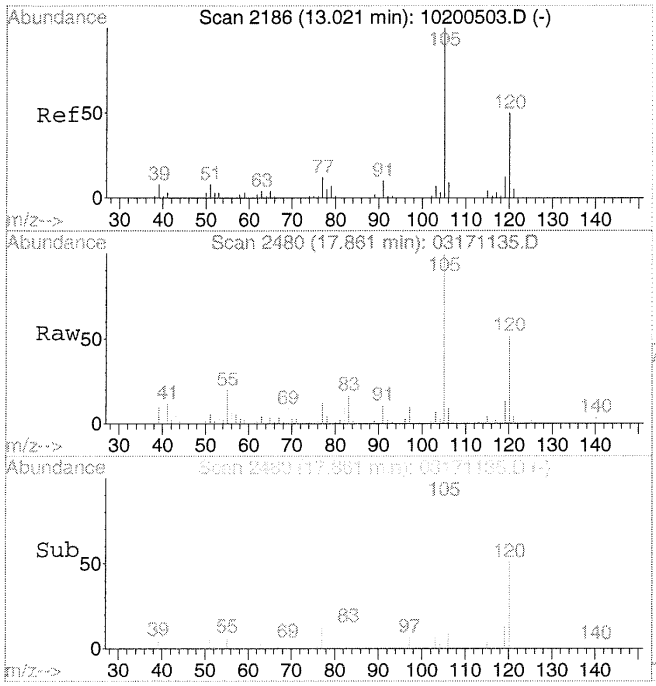


#57
4-Ethyltoluene
Concen: 10.28 ppbv
RT: 17.74 min Scan# 2456
Delta R.T. -0.05 min
Lab File: 03171135.D
Acq: 18 Mar 2011 12:01 pm

Tgt Ion:105 Resp: 1445646

Ion	Ratio	Lower	Upper
105	100		
120	33.8	26.0	39.0

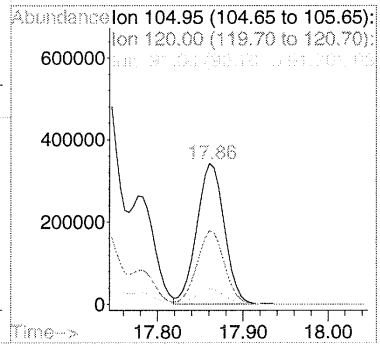


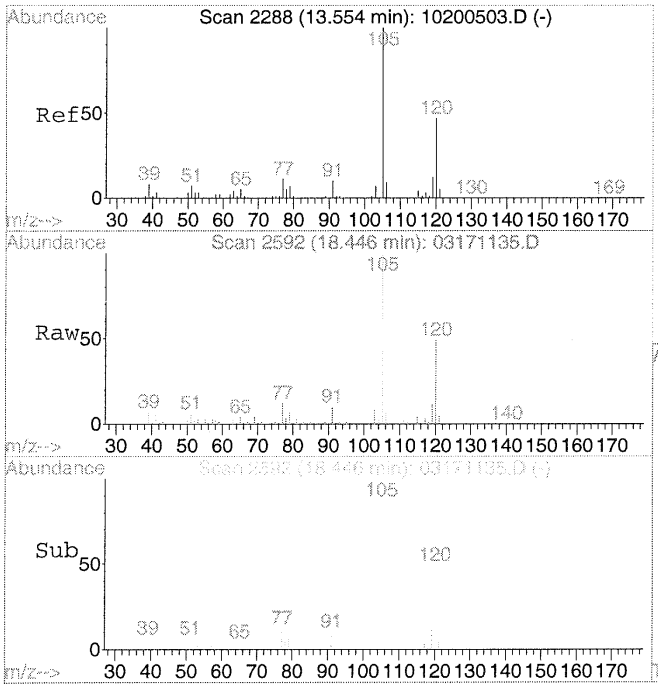


#58
1,3,5-Trimethylbenzene
Concen: 6.57 ppbv
RT: 17.86 min Scan# 2480
Delta R.T. -0.00 min
Lab File: 03171135.D
Acq: 18 Mar 2011 12:01 pm

Tgt Ion:105 Resp: 762361

Ion	Ratio	Lower	Upper
105	100		
120	52.1	32.1	72.1
91	11.1	0.0	30.4

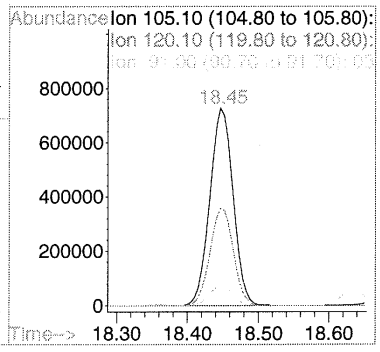


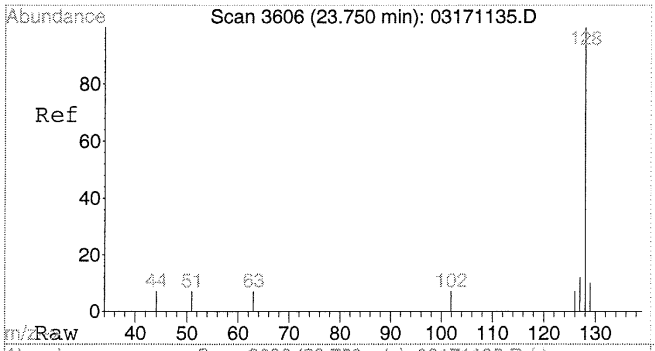


#59
1,2,4-Trimethylbenzene
Concen: 16.02 ppbv
RT: 18.45 min Scan# 2592
Delta R.T. -0.00 min
Lab File: 03171135.D
Acq: 18 Mar 2011 12:01 pm

Tgt Ion:105 Resp: 1659560

Ion	Ratio	Lower	Upper
105	100		
120	49.3	38.9	58.3
91	9.8	8.2	12.2

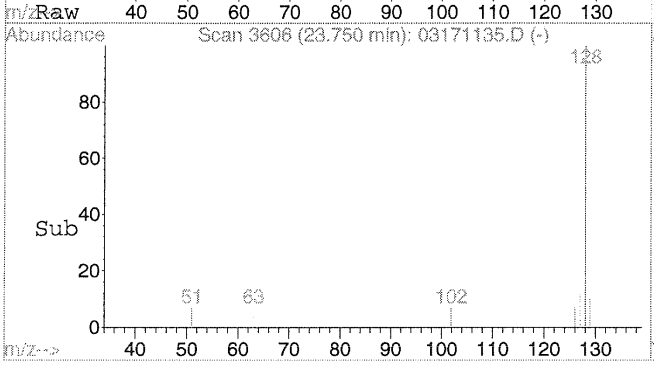


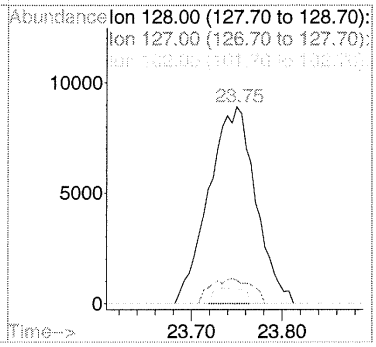


#66
Naphthalene
Concen: 0.74 ppbv
RT: 23.75 min Scan# 3606
Delta R.T. -0.00 min
Lab File: 03171135.D
Acq: 18 Mar 2011 12:01 pm

Tgt Ion:128 Resp: 31961

Ion	Ratio	Lower	Upper
128	100		
127	11.1	9.8	14.6
102	5.1	6.3	9.5#





LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.350	58	88	130	rBV	5377948	54919542	100.00%	12.902%
2	5.669	132	149	186	rVB2	7688641	46739695	85.11%	10.981%
3	5.941	192	201	208	rBV	203019	692574	1.26%	0.163%
4	6.046	209	221	255	rVB3	819810	4413459	8.04%	1.037%
5	6.312	257	272	289	rVB	611972	2292718	4.17%	0.539%
6	6.490	291	306	320	rBV	752326	2698619	4.91%	0.634%
7	6.652	321	337	359	rVB3	740291	3250314	5.92%	0.764%
8	8.363	652	664	690	rVB2	304724	921645	1.68%	0.217%
9	8.760	726	740	763	rBV5	763900	3335277	6.07%	0.784%
10	9.084	791	802	822	rBV2	279657	845318	1.54%	0.199%
11	9.388	850	860	873	rVB	679680	1715967	3.12%	0.403%
12	10.005	953	978	995	rVB	472526	1469107	2.68%	0.345%
13	10.214	1005	1018	1036	rBV	678263	1877265	3.42%	0.441%
14	10.763	1112	1123	1146	rVB2	1446271	4966608	9.04%	1.167%
15	10.952	1146	1159	1166	rVV	1283468	3355061	6.11%	0.788%
16	11.035	1166	1175	1196	rVV2	2075964	5544876	10.10%	1.303%
17	11.360	1217	1237	1249	rVV	2222541	6922842	12.61%	1.626%
18	11.475	1249	1259	1262	rVV	1510071	3734090	6.80%	0.877%
19	11.522	1262	1268	1294	rVB2	2896488	7335310	13.36%	1.723%
20	11.862	1321	1333	1349	rBV	2441878	5821879	10.60%	1.368%
21	12.196	1387	1397	1405	rBV	395190	955157	1.74%	0.224%
22	12.285	1405	1414	1423	rVV	847116	2259940	4.12%	0.531%
23	12.390	1424	1434	1456	rVV	4401767	11921041	21.71%	2.801%
24	12.573	1456	1469	1474	rVV3	431129	1193049	2.17%	0.280%
25	12.620	1474	1478	1491	rVB	338878	787122	1.43%	0.185%
26	12.793	1499	1511	1525	rBV2	1467027	3839216	6.99%	0.902%
27	12.944	1525	1540	1546	rBV3	2026015	6143985	11.19%	1.443%
28	13.148	1567	1579	1596	rBV	1244631	3688992	6.72%	0.867%
29	13.342	1608	1616	1631	rVB	472340	1250823	2.28%	0.294%
30	13.572	1647	1660	1666	rBV	1983283	5362010	9.76%	1.260%
31	13.671	1672	1679	1693	rVB	5211030	12553265	22.86%	2.949%
32	13.802	1693	1704	1720	rVB	8440127	25152182	45.80%	5.909%
33	14.079	1743	1757	1769	rBV3	1079758	2988272	5.44%	0.702%
34	14.199	1769	1780	1789	rBV4	420609	1256611	2.29%	0.295%
35	14.283	1789	1796	1821	rVB	742594	1980986	3.61%	0.465%
36	14.461	1821	1830	1836	rBV	364770	817370	1.49%	0.192%
37	14.686	1864	1873	1886	rBV2	552505	1323234	2.41%	0.311%
38	14.827	1886	1900	1907	rBV	3426345	9234487	16.81%	2.169%
39	14.885	1908	1911	1918	rVV2	1066750	2252866	4.10%	0.529%
40	14.947	1918	1923	1929	rVV2	726221	1687514	3.07%	0.396%
41	15.021	1929	1937	1954	rVB2	2290083	5808323	10.58%	1.365%
42	15.198	1956	1971	1988	rBV	2364739	5801601	10.56%	1.363%
43	15.721	2059	2071	2080	rBV2	7749808	21688312	39.49%	5.095%

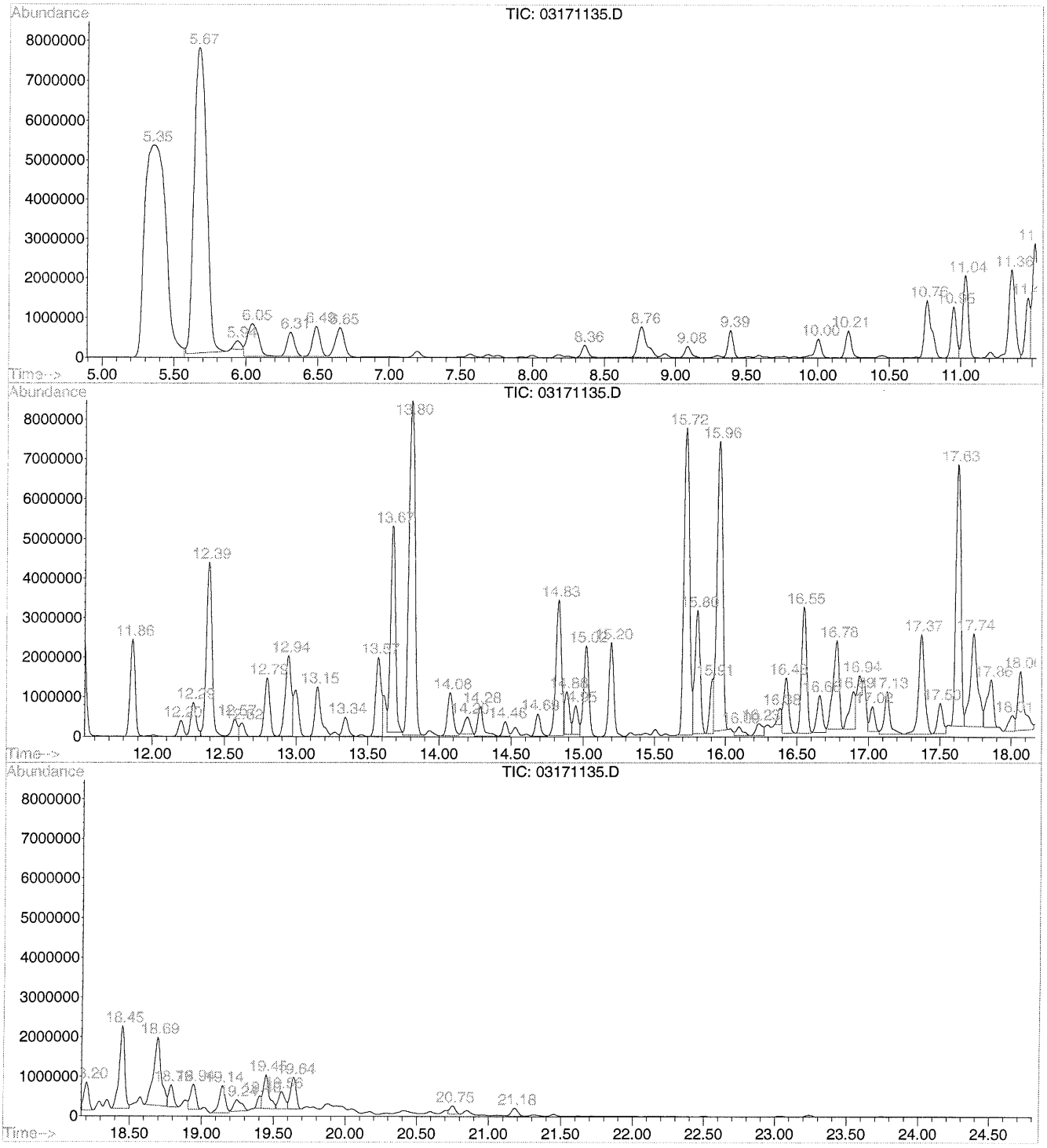
44	15.800	2080	2086	2097	rVB	3113328	7852452	14.30%	1.845%
45	15.910	2097	2107	2108	rBV	1376716	2591911	4.72%	0.609%
46	15.957	2108	2116	2127	rVB	7277061	20689903	37.67%	4.861%
47	16.093	2136	2142	2158	rVB2	217527	676069	1.23%	0.159%
48	16.234	2158	2169	2176	rBV4	296466	1016727	1.85%	0.239%
49	16.380	2190	2197	2199	rBV	409402	733441	1.34%	0.172%
50	16.427	2200	2206	2218	rVB	1395009	3377785	6.15%	0.794%
51	16.548	2219	2229	2240	rBV	3192638	7819794	14.24%	1.837%
52	16.658	2240	2250	2259	rBV2	924976	2540203	4.63%	0.597%
53	16.778	2259	2273	2281	rVB5	2230940	6670554	12.15%	1.567%
54	16.893	2281	2295	2298	rBV7	941722	2779532	5.06%	0.653%
55	16.940	2299	2304	2307	rBV	491100	886303	1.61%	0.208%
56	17.024	2315	2320	2330	rVB2	617618	1420111	2.59%	0.334%
57	17.128	2330	2340	2363	rVB	1067344	2887895	5.26%	0.678%
58	17.369	2364	2386	2400	rBV2	2514655	7240575	13.18%	1.701%
59	17.500	2401	2411	2419	rBV2	758381	1971809	3.59%	0.463%
60	17.625	2426	2435	2444	rBV2	6588449	16222219	29.54%	3.811%
61	17.735	2444	2456	2469	rVV3	2341071	8575101	15.61%	2.015%
62	17.861	2470	2480	2488	rVB3	1186929	3667562	6.68%	0.862%
63	18.007	2497	2508	2512	rBV6	394313	1180174	2.15%	0.277%
64	18.065	2512	2519	2537	rVV3	1481501	4604159	8.38%	1.082%
65	18.201	2539	2545	2554	rVB2	706539	1645090	3.00%	0.386%
66	18.446	2579	2592	2602	rBV	2078450	5522909	10.06%	1.298%
67	18.692	2623	2639	2652	rBV6	1698223	6526888	11.88%	1.533%
68	18.786	2653	2657	2667	rVV2	560582	1239055	2.26%	0.291%
69	18.943	2680	2687	2697	rVB2	628426	1680341	3.06%	0.395%
70	19.142	2711	2725	2735	rBV	687609	2029195	3.69%	0.477%
71	19.241	2736	2744	2759	rVV6	279215	1158568	2.11%	0.272%
72	19.403	2768	2775	2777	rBV	313633	602213	1.10%	0.141%
73	19.445	2777	2783	2796	rVV2	844627	2353815	4.29%	0.553%
74	19.555	2797	2804	2812	rVV3	430538	1349030	2.46%	0.317%
75	19.639	2812	2820	2830	rVB4	793412	2187514	3.98%	0.514%
76	20.753	3027	3033	3042	rVV4	208270	553348	1.01%	0.130%
77	21.182	3103	3115	3128	rVB3	192129	602575	1.10%	0.142%

Sum of corrected areas: 425653344

03171135.D 031611V1.M Wed Apr 13 15:48:44 2011

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\031711\03171135.D
Operator : Michael Truchan
Acquired : 18 Mar 2011 12:01 pm using AcqMethod 031611V1
Instrument : GC/MS Ins
Sample Name: 1103120-007A
Misc Info : SAMP EPA_TO15-ug/m3
Vial Number: 8
Quant File :031611V1.RES (RTE Integrator)



03171135.D 031611V1.M Wed Apr 13 15:48:44 2011

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 1 Ethylene oxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.35	138.22 ppbv	54919500	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	4
2	Ethylene oxide	44	C2H4O	000075-21-8	4
3	Acetaldehyde $$ Acetic aldehyde $$	44	C2H4O	000075-07-0	3
4	Ethyne, fluoro- $$ Acetylene, fluor	44	C2HF	002713-09-9	3
5	Acetaldehyde	44	C2H4O	000075-07-0	3

****

Peak Number 2 1,2-Propadiene $$ Allene $$ sy Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	1.74 ppbv	692574	Bromochloromethane	10.76

Hit# of 1	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Propadiene $$ Allene $$ sym-All	40	C3H4	000463-49-0	64

****

Peak Number 3 Pentaborane(11) $$ Boron hydri Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	11.11 ppbv	4413460	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaborane(11) $$ Boron hydride (B	66	B5H11	018433-84-6	9
2	Hydrazine, 1,1-dimethyl- $$ as-Dime	60	C2H8N2	000057-14-7	7
3	Ethyne, chloro- $$ Acetylene, chlor	60	C2HCl	000593-63-5	7
4	Thiirane $$ Ethylene sulfide $$ Eth	60	C2H4S	000420-12-2	7
5	Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	5

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 4 1-Propene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	5.77 ppbv	2292720	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
2	1-Butene	56	C4H8	000106-98-9	87
3	1-Butene	56	C4H8	000106-98-9	87
4	1-Butene	56	C4H8	000106-98-9	87
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	83

****

Peak Number 5 1-Propene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	8.18 ppbv	3250310	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	49
2	1-Butene	56	C4H8	000106-98-9	46
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	46
4	2-Butene, (Z)- $$ (Z)-2-Butene $$ c	56	C4H8	000590-18-1	43
5	2-Butene, (E)-	56	C4H8	000624-64-6	43

****

Peak Number 6 Pentane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	8.39 ppbv	3335280	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	78
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	64
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	59
5	Pentane, 2-methyl- $$ Isohexane $$	86	C6H14	000107-83-5	50

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 7 Pentane, 3-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	2.13 ppbv	845318	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl- $$ 3-Methylpenta	86	C6H14	000096-14-0	90
4	Oxirane, (1-methylethyl)- $$ Butane	86	C5H10O	001438-14-8	64
5	Pentane, 2,2,3-trimethyl- $$ 2,2,3-	114	C8H18	000564-02-3	40

****

Peak Number 8 Pentane, 2,4-dimethyl- $$ 2,4- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	3.70 ppbv	1469110	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl- $$ 2,4-Dimet	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	87
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	87
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59

****

Peak Number 9 Cyclopentane, methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	4.72 ppbv	1877270	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl- $$ Methylcycl	84	C6H12	000096-37-7	91
3	1H-Tetrazole, 5-methyl- $$ 5-Methyl	84	C2H4N4	004076-36-2	80
4	Cyclobutane, ethyl- $$ Ethylcyclobu	84	C6H12	004806-61-5	64
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	52

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 10 Pentane, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	8.44 ppbv	3355060	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
2	Pentane, 2,3-dimethyl- $$ 2,3-Dimet	100	C7H16	000565-59-3	95
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91

****

Peak Number 11 Butane, 2,2,3,3-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	14.86 ppbv	6922840	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	59
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59

****

Peak Number 12 Hexane, 2,5-dimethyl- $$ Biiso Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.05 ppbv	955157	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	87
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	87
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	72
4	Heptane, 2-methyl- $$ 2-Methylhepta	114	C8H18	000592-27-8	58
5	1-Pyrrolidinecarboxaldehyde $$ N-Fo	99	C5H9NO	003760-54-1	47

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 13 Hexane, 2,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	4.85 ppbv	2259940	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
2	Hexane, 1-(hexyloxy)-3-methyl-	200	C13H28O	074421-18-4	59
3	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	53
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	52
5	Heptane, 3-methyl- $$ 3-Methylhepta	114	C8H18	000589-81-1	47

****

Peak Number 14 Cyclohexane, methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	25.60 ppbv	11921000	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
2	Cyclohexane, methyl- $$ Cyclohexylm	98	C7H14	000108-87-2	93
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	78

****

Peak Number 15 Cyclopentane, ethyl- $$ Ethylc Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	2.56 ppbv	1193050	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl- $$ Ethylcyclop	98	C7H14	001640-89-7	94
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	93
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	83
4	Cyclopentane, ethyl-	98	C7H14	001640-89-7	43
5	Cyclopentane, 1,3-dimethyl- $$ 1,3-	98	C7H14	002453-00-1	38

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 16 Cyclopentane, 1,2,4-trimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	1.69 ppbv	787122	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	56
2	Cyclopentane, 1,2,4-trimethyl-, (1.	112	C8H16	004850-28-6	56
3	Cyclopentane, 1,2,4-trimethyl-, (1.	112	C8H16	016883-48-0	50
4	Cyclopentane, 1,2,3-trimethyl-, (1.	112	C8H16	002613-69-6	47
5	2,3-Dimethyl-1-hexene	112	C8H16	1674686-45-3	40

****

Peak Number 17 3,3-Dimethyl-2-pentanol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	8.24 ppbv	3839220	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3-Dimethyl-2-pentanol	116	C7H16O	000000-00-0	64
2	Propanoic acid, 2-methyl-, pentyl e	158	C9H18O2	002445-72-9	64
3	Propanoic acid, 2-methyl-, 3-methyl	158	C9H18O2	002050-01-3	64
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
5	Pentane, 2,3,4-trimethyl- $$ 2,3,4-	114	C8H18	000565-75-3	62

****

Peak Number 18 Hexane, 2,5-dimethyl- $$ Biiso Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	13.19 ppbv	6143990	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	90
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	87
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	47

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 19 Heptane, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	7.92 ppbv	3688990	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	87
2	Heptane, 3-methyl- $$ 3-Methylhepta	114	C8H18	000589-81-1	59
3	Hexane, 2,4-dimethyl- $$ 2,4-Dimeth	114	C8H18	000589-43-5	50
4	Hexane, 2-methyl- $$ 2-Methylhexane	100	C7H16	000591-76-4	50
5	Hexane, 3-ethyl- $$ 3-Ethylhexane	114	C8H18	000619-99-8	47

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Peak Number 20 Hexane, 2,2,5-trimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	2.69 ppbv	1250820	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	90
2	Hexane, 2,2,5-trimethyl- $$ 2,2,5-T	128	C9H20	003522-94-9	83
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	72

****

Peak Number 21 Cyclohexane, 1,3-dimethyl-, ci Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	11.51 ppbv	5362010	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis- $$	112	C8H16	000638-04-0	97
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	95
3	Cyclohexane, 1,3-dimethyl- $$ 1,3-D	112	C8H16	000591-21-9	95
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	80

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 22 Octane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	26.95 ppbv	12553300	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	87
2	Octane $$ n-Octane $$ n-C8H18 $$ Ok	114	C8H18	000111-65-9	83
3	Octane	114	C8H18	000111-65-9	83
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	64

****

Peak Number 23 Cyclohexane, 1,2-dimethyl-, tr Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	1.72 ppbv	2988270	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	83

****

Peak Number 24 Cyclohexane, 1,4-dimethyl-, ci Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	0.72 ppbv	1256610	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	93
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87
3	Cyclohexane, 1,3-dimethyl- $$ 1,3-D	112	C8H16	000591-21-9	83
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	80
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	80

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 25 Heptane, 2,6-dimethyl- $$ 2,6- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	1.14 ppbv	1980990	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl- $$ 2,6-Dimet	128	C9H20	001072-05-5	78
2	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	59
3	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	58
4	Decane, 2-methyl-	156	C11H24	006975-98-0	56
5	Octane, 4-methyl- $$ 4-Methyloctane	128	C9H20	002216-34-4	53

****

Peak Number 26 Cyclopentane, propyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	0.76 ppbv	1323230	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, propyl-	112	C8H16	002040-96-2	96
2	Cyclopentane, propyl- $$ n-Propylcy	112	C8H16	002040-96-2	91
3	Cyclopentane, propyl-	112	C8H16	002040-96-2	91
4	Cyclopentane, butyl-	126	C9H18	002040-95-1	64
5	Cyclopentane, propyl-	112	C8H16	002040-96-2	58

****

Peak Number 27 Cyclohexane, ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	5.32 ppbv	9234490	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	95
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	80

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 28 Cyclopentane, 1,1,3,4-tetramet Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	1.30 ppbv	2252870	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3,4-tetramethyl-,	126	C9H18	053907-60-1	12
2	1-Hexene, 3,3-dimethyl- $$ 3,3-Dime	112	C8H16	003404-77-1	9
3	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	9
4	Cyclohexane, 1,3,5-trimethyl-, (1.a	126	C9H18	001795-26-2	9
5	Cyclohexane, 1,1,3-trimethyl- $$ Cy	126	C9H18	003073-66-3	9

****

Peak Number 29 Heptane, 2,3-dimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	0.97 ppbv	1687510	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	62
2	Heptane, 2,3-dimethyl- $$ 2,3-Dimet	128	C9H20	003074-71-3	59
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	58
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53

****

Peak Number 30 Octane, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	3.35 ppbv	5808320	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	72
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53
3	Octane	114	C8H18	000111-65-9	53
4	Heptane, 2,4-dimethyl- $$ 2,4-Dimet	128	C9H20	002213-23-2	52
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	52

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 31 Octane, 3-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	3.34 ppbv	5801600	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	52
2	Octane, 3-methyl- $$ 3-Methyloctane	128	C9H20	002216-33-3	52
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	49
4	2-Decene, 5-methyl-, (Z)-	154	C11H22	074645-86-6	47
5	1-Hexene, 2,5,5-trimethyl-	126	C9H18	062185-56-2	43

****

Peak Number 32 Nonane, 3-methyl- $$ 3-Methyln Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	1.95 ppbv	3377790	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl- $$ 3-Methylnonane	142	C10H22	005911-04-6	91
2	Octane, 3,6-dimethyl- $$ 3,6-Dimeth	142	C10H22	015869-94-0	91
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
4	Octane, 2,6-dimethyl- $$ 2,6-Dimeth	142	C10H22	002051-30-1	90
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87

****

Peak Number 33 Cyclohexane, (1-methylethyl)- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	1.46 ppbv	2540200	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)- $$ Cy	126	C9H18	000696-29-7	55
2	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	47
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 34 Cyclohexane, propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	3.84 ppbv	6670550	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
2	Cyclohexane, propyl- $$ Propylcyclo	126	C9H18	001678-92-8	87
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	64

****

Peak Number 35 Hexane, 2,3,4-trimethyl- $$ 2, Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	1.60 ppbv	2779530	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl- $$ 2,3,4-T	128	C9H20	000921-47-1	50
2	2-Oxepanone, 7-hexyl- $$ .epsilon.-	198	C12H22O2	016429-21-3	42
3	2-Oxepanone, 7-butyl- $$ 7-Butyl-2-	170	C10H18O2	005579-78-2	40
4	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	38
5	Pentane, 3-ethyl-2,3-dimethyl- $$ 3	128	C9H20	016747-33-4	38

****

Peak Number 36 Benzene, (1-methylethyl)- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	0.82 ppbv	1420110	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	93
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	76
3	Benzene, 1,2,3-trimethyl- $$ Hemime	120	C9H12	000526-73-8	70
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	64
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	64

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 37 Octane, 3,6-dimethyl- $$ 3,6-D Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	1.66 ppbv	2887900	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl- $$ 3,6-Dimeth	142	C10H22	015869-94-0	90
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3	Nonane, 3-methyl- $$ 3-Methylnonane	142	C10H22	005911-04-6	87
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	83
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	78

****

Peak Number 38 4-Nonene, 3-methyl-, (Z)- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	1.14 ppbv	1971810	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	52
2	Cyclooctane, methyl-	126	C9H18	001502-38-1	47
3	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	43
4	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	40
5	1-Nonanol, 4,8-dimethyl- $$ 4,8-Dim	172	C11H24O	033933-80-1	38

****

Peak Number 39 Decane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	9.35 ppbv	16222200	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	94
2	Decane	142	C10H22	000124-18-5	93
3	Octane, 4-ethyl- $$ 4-Ethyloctane	142	C10H22	015869-86-0	64
4	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	59
5	Undecane, 3-methyl- $$ 3-Methylunde	170	C12H26	001002-43-3	59

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 40 Cyclohexane, 1-ethyl-2,3-dimet Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	0.68 ppbv	1180170	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	72
2	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	59
3	Cyclooctane, ethyl- $$ Cyclooctane	140	C10H20	013152-02-8	59
4	Cyclooctane, ethyl-	140	C10H20	013152-02-8	59
5	Cyclohexane, diethyl-	140	C10H20	001331-43-7	58

****

Peak Number 41 Decane, 4-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	2.65 ppbv	4604160	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	87
2	Decane, 4-methyl-	156	C11H24	002847-72-5	83
3	Octane, 3,3-dimethyl- $$ 3,3-Dimeth	142	C10H22	004110-44-5	72
4	Decane, 4-methyl- $$ 4-Methyldecane	156	C11H24	002847-72-5	64
5	Nonane, 2,6-dimethyl- $$ 2,6-Dimeth	156	C11H24	017302-28-2	59

****

Peak Number 42 Benzene, 1-ethyl-2-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	0.95 ppbv	1645090	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-4-methyl- $$ Tolue	120	C9H12	000622-96-8	93
3	Benzene, 1,2,4-trimethyl- $$ .psi.-	120	C9H12	000095-63-6	81
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81
5	Benzene, 1-ethyl-2-methyl- $$ Tolue	120	C9H12	000611-14-3	81

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 43 Cyclohexane, butyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	3.76 ppbv	6526890	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	93
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	83
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	76
4	Cyclohexane, butyl- $$ n-Butylcyclo	140	C10H20	001678-93-9	76
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	76

****

Peak Number 44 Benzene, 1-methyl-4-(1-methyle Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	0.71 ppbv	1239060	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylethyl)	134	C10H14	000099-87-6	90
2	Benzene, 1-methyl-3-(1-methylethyl)	134	C10H14	000535-77-3	90
3	Benzene, 1-methyl-4-(1-methylethyl)	134	C10H14	000099-87-6	89
4	Benzene, methyl(1-methylethyl)- $$	134	C10H14	025155-15-1	86
5	Benzene, 1-methyl-3-(1-methylethyl)	134	C10H14	000535-77-3	86

****

Peak Number 45 Hexane, 2,2,5,5-tetramethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	0.97 ppbv	1680340	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	50
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	47
3	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	43
4	Decane, 3-methyl-	156	C11H24	013151-34-3	43
5	Decane, 3-methyl-	156	C11H24	013151-34-3	43

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 46 Benzene, 1,3,5-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	1.17 ppbv	2029200	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	95
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	93
3	Benzene, 1,2,3-trimethyl- $$ Hemime	120	C9H12	000526-73-8	93
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90

****

Peak Number 47 4-Decene, 5-methyl-, (E)- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	0.67 ppbv	1158570	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Decene, 5-methyl-, (E)-	154	C11H22	062338-51-6	49
2	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	49
3	4-Pentenal, 2-methyl-	98	C6H10O	005187-71-3	43
4	Cyclopentane, hexyl-	154	C11H22	004457-00-5	38
5	Nonane, 2-methyl-3-methylene- $$ 2-	154	C11H22	055499-08-6	35

****

Peak Number 48 Undecane $$ n-Undecane $$ Hend Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.45	1.36 ppbv	2353820	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane $$ n-Undecane $$ Hendecane	156	C11H24	001120-21-4	94
2	Undecane	156	C11H24	001120-21-4	91
3	Undecane	156	C11H24	001120-21-4	90
4	Tridecane $$ n-Tridecane $$ Trideca	184	C13H28	000629-50-5	90
5	Hexadecane	226	C16H34	000544-76-3	90

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 49 Benzene, butyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.56	0.78 ppbv	1349030	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, butyl-	134	C10H14	000104-51-8	53
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	49
3	Benzene, butyl-	134	C10H14	000104-51-8	49
4	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	49
5	Benzene, (2-methylpropyl)- $$ Benze	134	C10H14	000538-93-2	38

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Peak Number 50 Naphthalene, decahydro- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	1.26 ppbv	2187510	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	90
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	90
3	Naphthalene, decahydro-, trans- $$	138	C10H18	000493-02-7	86
4	Naphthalene, decahydro- $$ Bicyclo[	138	C10H18	000091-17-8	86
5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	78

Tentatively Identified Compound (LSC) summary

Operator ID: Michael Truchan Date Acquired: 18 Mar 2011 12:01 pm
Data File: C:\HPCHEM\1\DATA\031711\03171135.D
Name: 1103120-007A
Misc: SAMP EPA_TO15-ug/m3
Method: C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title: TO15 ppbv
Library Searched: C:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Ethylene oxide	5.35	138.2	ppbv	54919500	ISTD01	10.76	4966610	12.5
1,2-Propadiene $$ Al	5.94	1.7	ppbv	692574	ISTD01	10.76	4966610	12.5
Pentaborane(11) $$ B	6.05	11.1	ppbv	4413460	ISTD01	10.76	4966610	12.5
1-Propene, 2-methyl-	6.31	5.8	ppbv	2292720	ISTD01	10.76	4966610	12.5
1-Propene, 2-methyl-	6.65	8.2	ppbv	3250310	ISTD01	10.76	4966610	12.5
Pentane, 2-methyl-	8.76	8.4	ppbv	3335280	ISTD01	10.76	4966610	12.5
Pentane, 3-methyl-	9.08	2.1	ppbv	845318	ISTD01	10.76	4966610	12.5
Pentane, 2,4-dimethy	10.00	3.7	ppbv	1469110	ISTD01	10.76	4966610	12.5
Cyclopentane, methyl	10.21	4.7	ppbv	1877270	ISTD01	10.76	4966610	12.5
Pentane, 2,3-dimethy	10.95	8.4	ppbv	3355060	ISTD01	10.76	4966610	12.5
Butane, 2,2,3,3-tetr	11.36	14.9	ppbv	6922840	ISTD02	11.86	5821880	12.5
Hexane, 2,5-dimethyl	12.20	2.1	ppbv	955157	ISTD02	11.86	5821880	12.5
Hexane, 2,4-dimethyl	12.29	4.9	ppbv	2259940	ISTD02	11.86	5821880	12.5
Cyclohexane, methyl-	12.39	25.6	ppbv	11921000	ISTD02	11.86	5821880	12.5
Cyclopentane, ethyl-	12.57	2.6	ppbv	1193050	ISTD02	11.86	5821880	12.5
Cyclopentane, 1,2,4-	12.62	1.7	ppbv	787122	ISTD02	11.86	5821880	12.5
3,3-Dimethyl-2-penta	12.79	8.2	ppbv	3839220	ISTD02	11.86	5821880	12.5
Hexane, 2,5-dimethyl	12.94	13.2	ppbv	6143990	ISTD02	11.86	5821880	12.5
Heptane, 3-methyl-	13.15	7.9	ppbv	3688990	ISTD02	11.86	5821880	12.5
Hexane, 2,2,5-trimet	13.34	2.7	ppbv	1250820	ISTD02	11.86	5821880	12.5
Cyclohexane, 1,3-dim	13.57	11.5	ppbv	5362010	ISTD02	11.86	5821880	12.5
Octane	13.67	27.0	ppbv	12553300	ISTD02	11.86	5821880	12.5
Cyclohexane, 1,2-dim	14.08	1.7	ppbv	2988270	ISTD03	15.71	21688300	12.5
Cyclohexane, 1,4-dim	14.20	0.7	ppbv	1256610	ISTD03	15.71	21688300	12.5
Heptane, 2,6-dimethy	14.28	1.1	ppbv	1980990	ISTD03	15.71	21688300	12.5
Cyclopentane, propyl	14.69	0.8	ppbv	1323230	ISTD03	15.71	21688300	12.5
Cyclohexane, ethyl-	14.83	5.3	ppbv	9234490	ISTD03	15.71	21688300	12.5
Cyclopentane, 1,1,3,	14.88	1.3	ppbv	2252870	ISTD03	15.71	21688300	12.5
Heptane, 2,3-dimethy	14.95	1.0	ppbv	1687510	ISTD03	15.71	21688300	12.5
Octane, 4-methyl-	15.02	3.3	ppbv	5808320	ISTD03	15.71	21688300	12.5
Octane, 3-methyl-	15.20	3.3	ppbv	5801600	ISTD03	15.71	21688300	12.5
Nonane, 3-methyl- $$	16.43	1.9	ppbv	3377790	ISTD03	15.71	21688300	12.5
Cyclohexane, (1-meth	16.66	1.5	ppbv	2540200	ISTD03	15.71	21688300	12.5
Cyclohexane, propyl-	16.78	3.8	ppbv	6670550	ISTD03	15.71	21688300	12.5
Hexane, 2,3,4-trimet	16.89	1.6	ppbv	2779530	ISTD03	15.71	21688300	12.5
Benzene, (1-methylet	17.02	0.8	ppbv	1420110	ISTD03	15.71	21688300	12.5
Octane, 3,6-dimethyl	17.13	1.7	ppbv	2887900	ISTD03	15.71	21688300	12.5
4-Nonene, 3-methyl-,	17.50	1.1	ppbv	1971810	ISTD03	15.71	21688300	12.5
Decane	17.63	9.3	ppbv	16222200	ISTD03	15.71	21688300	12.5
Cyclohexane, 1-ethyl	18.01	0.7	ppbv	1180170	ISTD03	15.71	21688300	12.5
Decane, 4-methyl-	18.06	2.7	ppbv	4604160	ISTD03	15.71	21688300	12.5
Benzene, 1-ethyl-2-m	18.20	0.9	ppbv	1645090	ISTD03	15.71	21688300	12.5
Cyclohexane, butyl-	18.69	3.8	ppbv	6526890	ISTD03	15.71	21688300	12.5
Benzene, 1-methyl-4-	18.79	0.7	ppbv	1239060	ISTD03	15.71	21688300	12.5
Hexane, 2,2,5,5-tetr	18.94	1.0	ppbv	1680340	ISTD03	15.71	21688300	12.5
Benzene, 1,3,5-trime	19.14	1.2	ppbv	2029200	ISTD03	15.71	21688300	12.5
4-Decene, 5-methyl-,	19.24	0.7	ppbv	1158570	ISTD03	15.71	21688300	12.5
Undecane $$ n-Undeca	19.45	1.4	ppbv	2353820	ISTD03	15.71	21688300	12.5
Benzene, butyl-	19.56	0.8	ppbv	1349030	ISTD03	15.71	21688300	12.5
Naphthalene, decahyd	19.64	1.3	ppbv	2187510	ISTD03	15.71	21688300	12.5

03171135.D 031611V1.M Wed Apr 13 15:48:47 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:26 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	671163	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2470243	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1560222	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1163897	14.88	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 119.04%#				
Target Compounds							Qvalue
2) Propylene	5.66	41	10250914	203.75	ppbv	#	70
7) 1,3-Butadiene	6.44	39	472412	9.31	ppbv		88
11) Ethanol	7.74	45	5811	0.52	ppbv	#	58
14) Acetone	8.36	43	654948	7.92	ppbv	#	90
20) n-Hexane	9.39	57	866395	8.84	ppbv		100
29) Cyclohexane	11.04	56	1933650	19.49	ppbv	#	83
31) Benzene	11.47	78	8606490	51.87	ppbv		95
34) Heptane	11.52	43	1728430	14.49	ppbv	#	96
41) Toluene	13.80	91	1602937	8.61	ppbv		100
50) Ethylbenzene	15.80	91	131514	0.73	ppbv		96
51) m,p-Xylene	15.95	91	360322	2.57	ppbv		93
52) o-Xylene	16.55	91	153377	1.12	ppbv	#	90

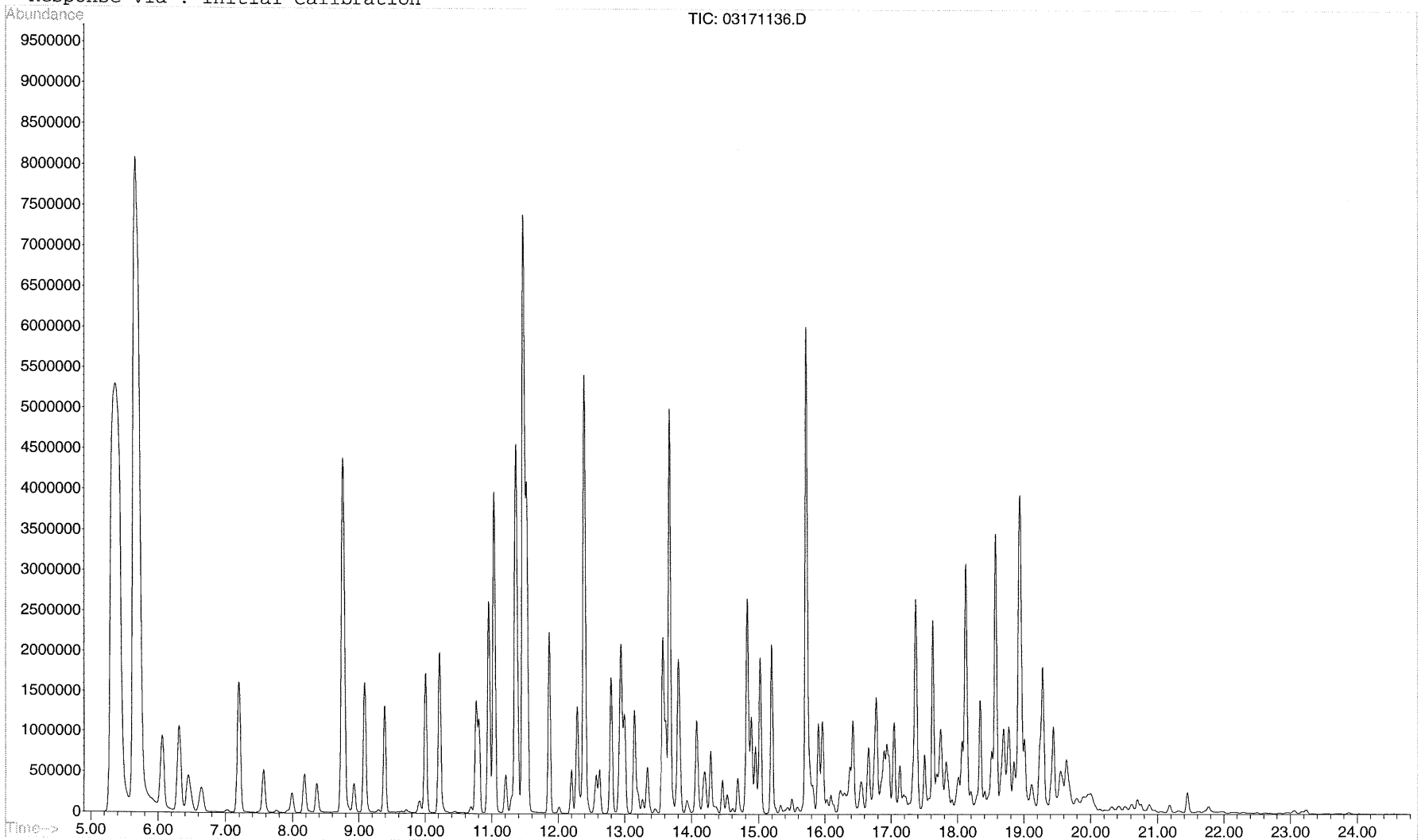
* = reported only ch 4/15/11

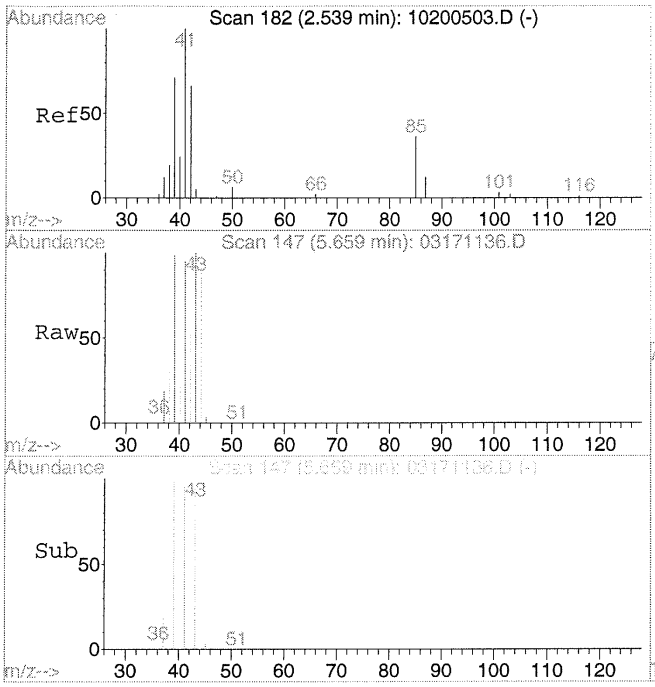
(#) = qualifier out of range (m) = manual integration
03171136.D 031611V1.M Wed Apr 13 15:48:54 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:26 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

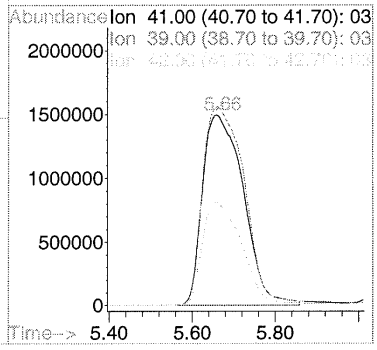


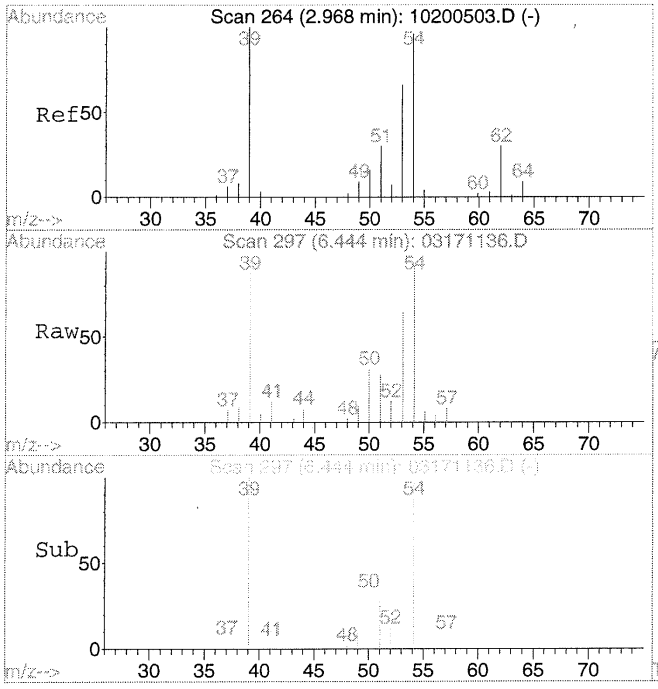


#2
Propylene
Concen: 203.75 ppbv
RT: 5.66 min Scan# 147
Delta R.T. -0.02 min
Lab File: 03171136.D
Acq: 18 Mar 2011 12:42 pm

Tgt Ion: 41 Resp:10250914

Ion	Ratio	Lower	Upper
41	100		
39	105.4	57.6	86.4#
42	52.1	54.0	81.0#

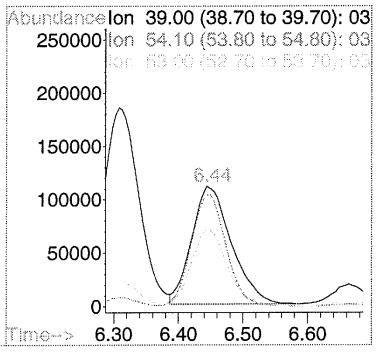


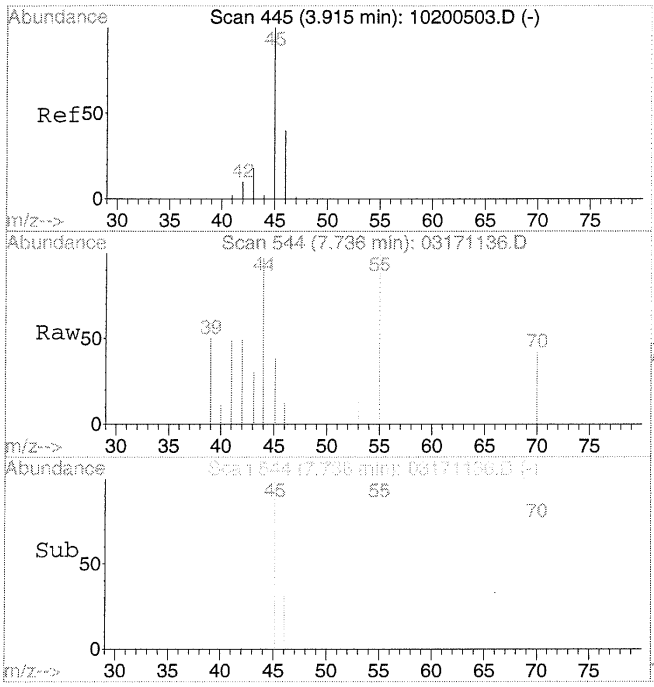


#7
1,3-Butadiene
Concen: 9.31 ppbv
RT: 6.44 min Scan# 297
Delta R.T. 0.00 min
Lab File: 03171136.D
Acq: 18 Mar 2011 12:42 pm

Tgt Ion: 39 Resp: 472412

Ion	Ratio	Lower	Upper
39	100		
54	83.8	79.4	119.0
53	60.5	53.2	79.8

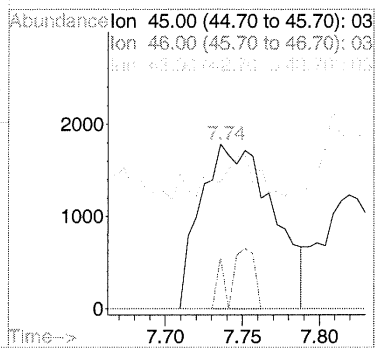


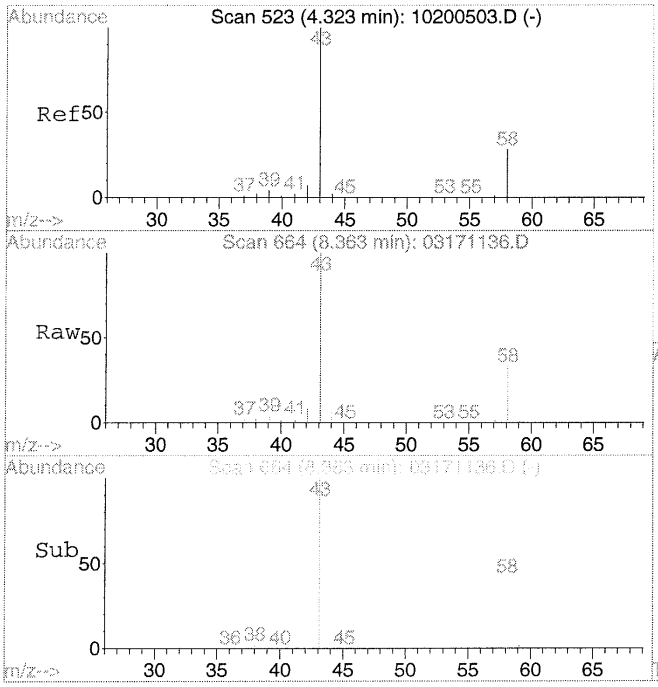


#11
Ethanol
Concen: 0.52 ppbv
RT: 7.74 min Scan# 544
Delta R.T. 0.00 min
Lab File: 03171136.D
Acq: 18 Mar 2011 12:42 pm

Tgt Ion: 45 Resp: 5811

Ion	Ratio	Lower	Upper
45	100		
46	12.8	30.2	45.4#
43	0.0	15.8	23.6#

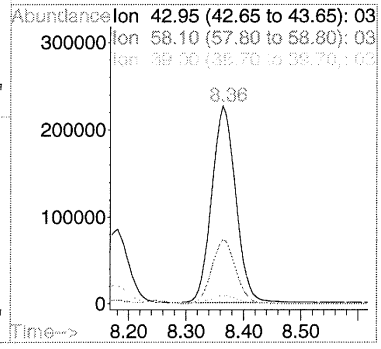


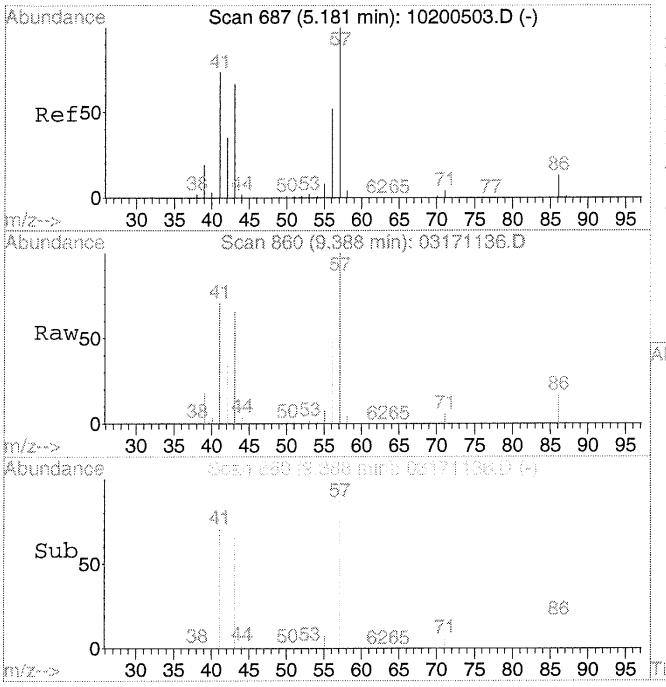


#14
Acetone
Concen: 7.92 ppbv
RT: 8.36 min Scan# 664
Delta R.T. 0.01 min
Lab File: 03171136.D
Acq: 18 Mar 2011 12:42 pm

Tgt Ion: 43 Resp: 654948

Ion	Ratio	Lower	Upper
43	100		
58	32.6	22.0	33.0
39	3.9	6.5	9.7#

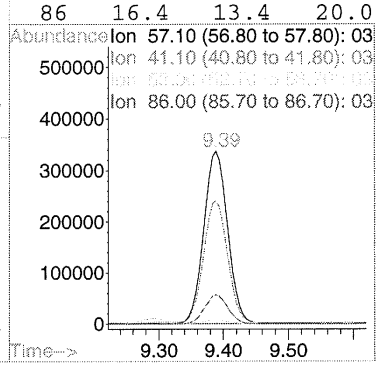


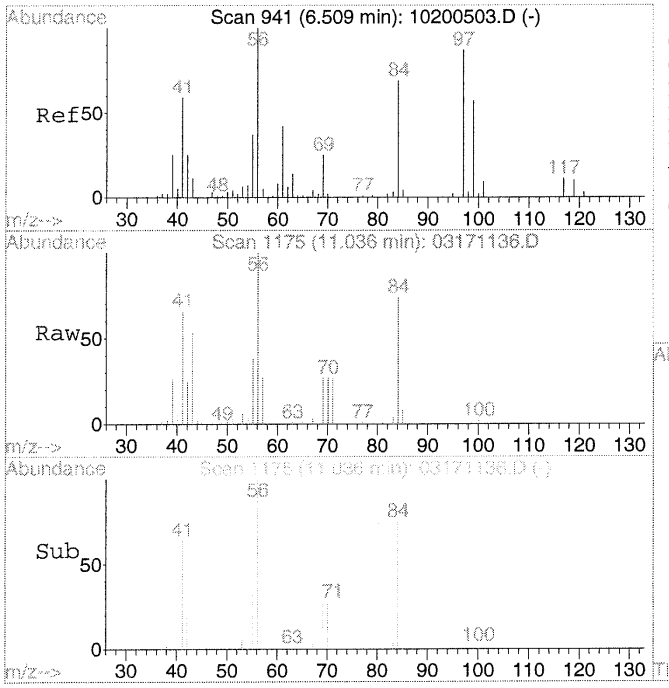


#20
n-Hexane
Concen: 8.84 ppbv
RT: 9.39 min Scan# 860
Delta R.T. -0.01 min
Lab File: 03171136.D
Acq: 18 Mar 2011 12:42 pm

Tgt Ion: 57 Resp: 866395

Ion	Ratio	Lower	Upper
57	100		
41	71.2	57.2	85.8
53	2.4	1.8	2.8
86	16.4	13.4	20.0

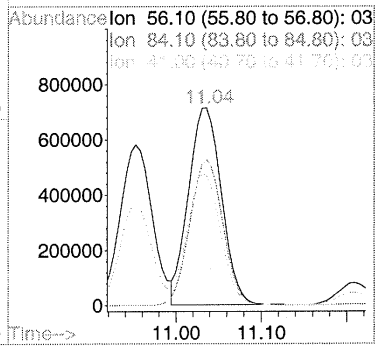


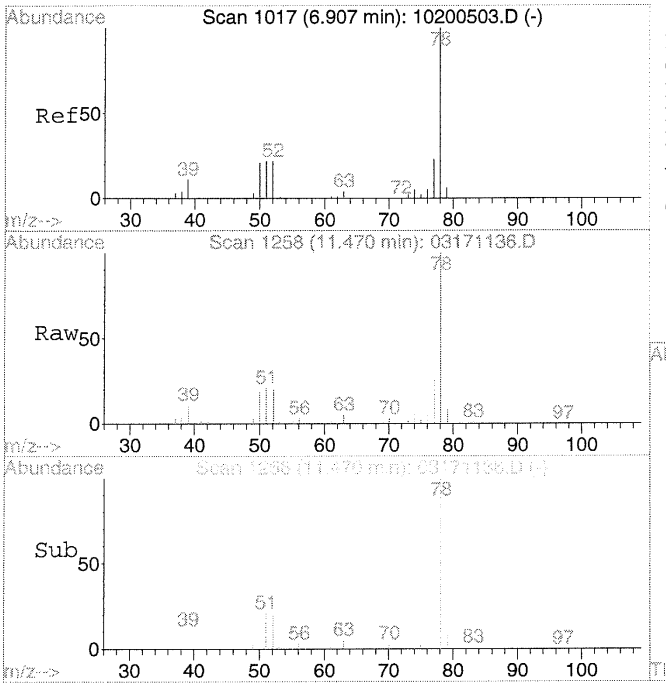


#29
Cyclohexane
Concen: 19.49 ppbv
RT: 11.04 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03171136.D
Acq: 18 Mar 2011 12:42 pm

Tgt Ion: 56 Resp: 1933650

Ion	Ratio	Lower	Upper
56	100		
84	74.1	72.4	108.6
41	67.5	43.8	65.8#

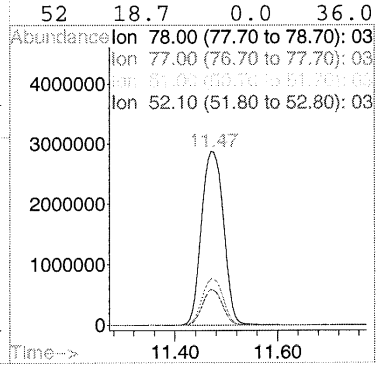


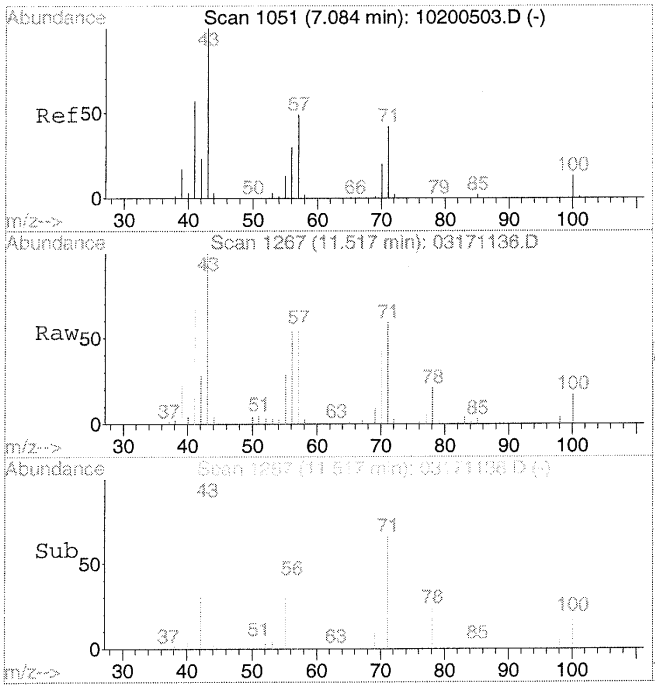


#31
Benzene
Concen: 51.87 ppbv
RT: 11.47 min Scan# 1258
Delta R.T. -0.00 min
Lab File: 03171136.D
Acq: 18 Mar 2011 12:42 pm

Tgt Ion: 78 Resp: 8606490

Ion	Ratio	Lower	Upper
78	100		
77	25.5	3.7	43.7
51	18.9	0.0	36.1
52	18.7	0.0	36.0

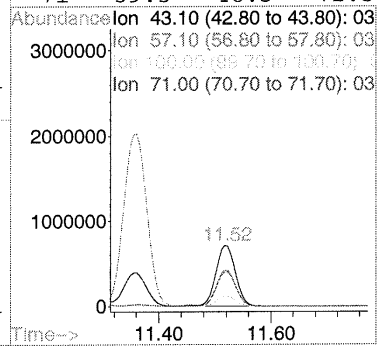


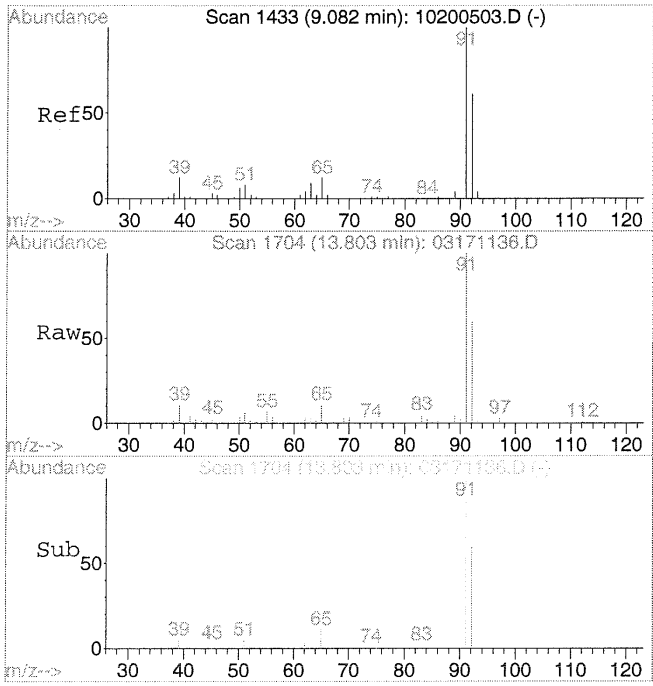


#34
Heptane
Concen: 14.49 ppbv
RT: 11.52 min Scan# 1267
Delta R.T. -0.01 min
Lab File: 03171136.D
Acq: 18 Mar 2011 12:42 pm

Tgt Ion: 43 Resp: 1728430

Ion	Ratio	Lower	Upper
43	100		
57	56.7	42.2	63.4
100	16.8	17.3	25.9#
71	59.5	48.3	72.5

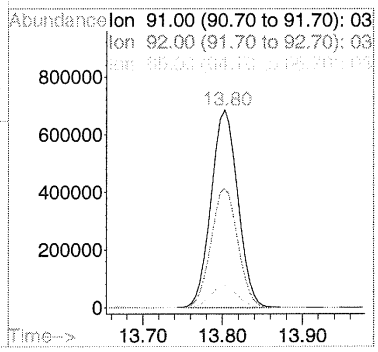


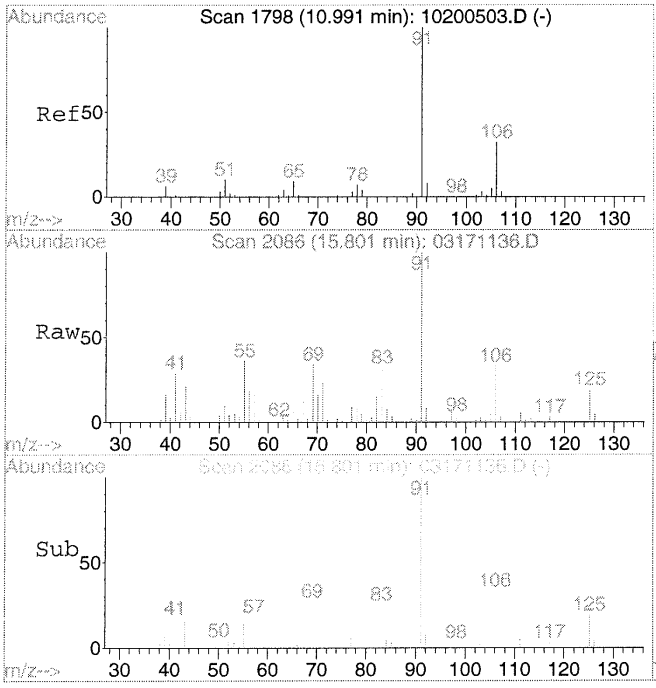


#41
Toluene
Concen: 8.61 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03171136.D
Acq: 18 Mar 2011 12:42 pm

Tgt Ion: 91 Resp: 1602937

Ion	Ratio	Lower	Upper
91	100		
92	60.3	40.5	80.5
65	11.3	0.0	31.2

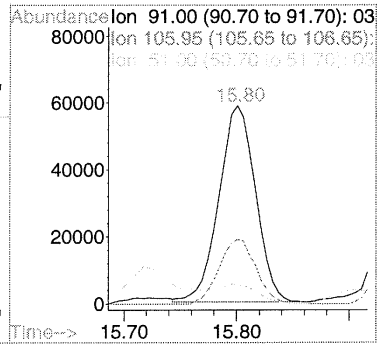


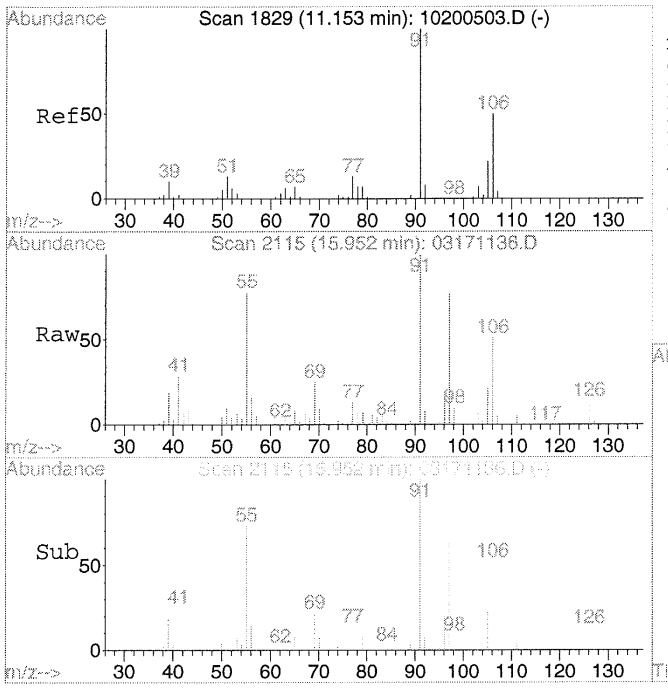


#50
Ethylbenzene
Concen: 0.73 ppbv
RT: 15.80 min Scan# 2086
Delta R.T. -0.00 min
Lab File: 03171136.D
Acq: 18 Mar 2011 12:42 pm

Tgt Ion: 91 Resp: 131514

Ion	Ratio	Lower	Upper
91	100		
106	33.1	14.9	54.9
51	10.3	0.0	33.1

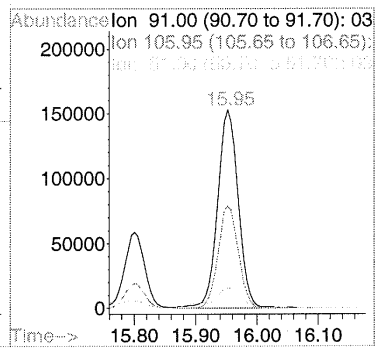


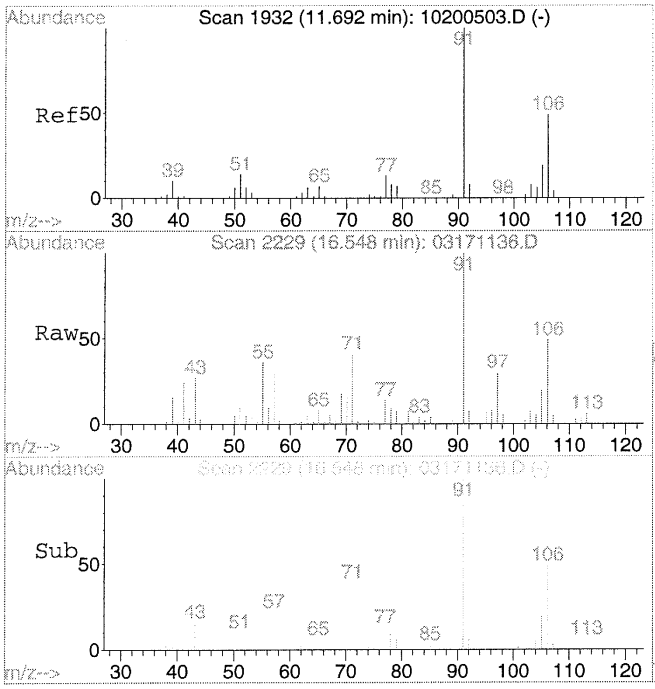


#51
m,p-Xylene
Concen: 2.57 ppbv
RT: 15.95 min Scan# 2115
Delta R.T. -0.01 min
Lab File: 03171136.D
Acq: 18 Mar 2011 12:42 pm

Tgt Ion: 91 Resp: 360322

Ion	Ratio	Lower	Upper
91	100		
106	50.3	35.6	75.6
51	11.6	0.0	29.6

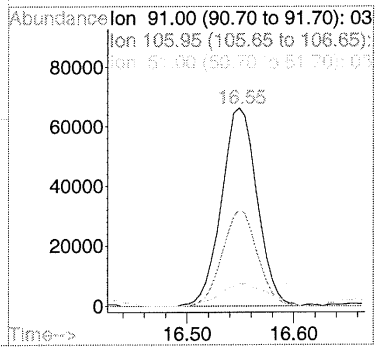




#52
o-Xylene
Concen: 1.12 ppbv
RT: 16.55 min Scan# 2229
Delta R.T. -0.00 min
Lab File: 03171136.D
Acq: 18 Mar 2011 12:42 pm

Tgt Ion: 91 Resp: 153377

Ion	Ratio	Lower	Upper
91	100		
106	47.4	41.0	61.6
51	15.6	19.7	29.5#



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.361	59	90	129	rBV	5298238	52061063	91.43%	12.016%
2	5.659	131	147	208	rVV	8087627	56940674	100.00%	13.142%
3	6.062	210	224	255	rVV	940430	4128130	7.25%	0.953%
4	6.313	257	272	287	rVV2	1058239	4253447	7.47%	0.982%
5	6.449	287	298	319	rVV3	446479	2172525	3.82%	0.501%
6	6.643	320	335	359	rVB2	296607	1348017	2.37%	0.311%
7	7.192	425	440	465	rBV	1614748	5511490	9.68%	1.272%
8	7.563	489	511	533	rBV	524262	1703482	2.99%	0.393%
9	7.992	583	593	612	rVB2	241407	760239	1.34%	0.175%
10	8.175	615	628	641	rBV	469385	1472102	2.59%	0.340%
11	8.363	652	664	685	rVB	353639	1037397	1.82%	0.239%
12	8.761	723	740	762	rBV3	4373241	15721408	27.61%	3.628%
13	8.928	762	772	785	rVB	348902	1019886	1.79%	0.235%
14	9.085	789	802	821	rBV	1602676	4575572	8.04%	1.056%
15	9.388	849	860	876	rVB	1313392	3357431	5.90%	0.775%
16	10.006	967	978	994	rVB	1722687	4667105	8.20%	1.077%
17	10.215	1005	1018	1037	rBV	1981755	5523758	9.70%	1.275%
18	10.764	1113	1123	1128	rBV	1350433	3676239	6.46%	0.848%
19	10.952	1146	1159	1166	rBV	2616039	6907270	12.13%	1.594%
20	11.031	1166	1174	1194	rVB2	3960203	10681425	18.76%	2.465%
21	11.208	1196	1208	1217	rBV	455476	1202682	2.11%	0.278%
22	11.360	1217	1237	1249	rBV	4525679	14406797	25.30%	3.325%
23	11.470	1249	1258	1265	rBV	7173743	21606814	37.95%	4.987%
24	11.862	1322	1333	1351	rVV	2238013	5343157	9.38%	1.233%
25	12.197	1386	1397	1405	rBV	534857	1287325	2.26%	0.297%
26	12.286	1405	1414	1423	rVV	1314758	3599926	6.32%	0.831%
27	12.390	1424	1434	1455	rVV	5417720	15051429	26.43%	3.474%
28	12.574	1456	1469	1473	rVV2	465419	1313500	2.31%	0.303%
29	12.621	1473	1478	1491	rVB	534694	1291868	2.27%	0.298%
30	12.793	1497	1511	1525	rBV2	1680366	4442643	7.80%	1.025%
31	12.945	1525	1540	1546	rBV2	2076975	6360604	11.17%	1.468%
32	13.144	1567	1578	1596	rBV2	1264934	3871004	6.80%	0.893%
33	13.342	1608	1616	1630	rVB	553487	1514227	2.66%	0.349%
34	13.573	1648	1660	1666	rBV	2173550	5947638	10.45%	1.373%
35	13.672	1672	1679	1693	rVB	4913848	11678816	20.51%	2.695%
36	13.803	1693	1704	1720	rVB	1896534	5730018	10.06%	1.322%
37	14.075	1743	1756	1768	rBV2	1125220	3120013	5.48%	0.720%
38	14.195	1768	1779	1789	rBV5	455907	1429544	2.51%	0.330%
39	14.284	1789	1796	1809	rBV	689688	1476833	2.59%	0.341%
40	14.456	1820	1829	1836	rBV	403014	916070	1.61%	0.211%
41	14.687	1864	1873	1886	rVV2	416312	1025969	1.80%	0.237%
42	14.828	1886	1900	1907	rVV	2643714	7263204	12.76%	1.676%
43	14.885	1907	1911	1917	rVV	1175029	2626226	4.61%	0.606%

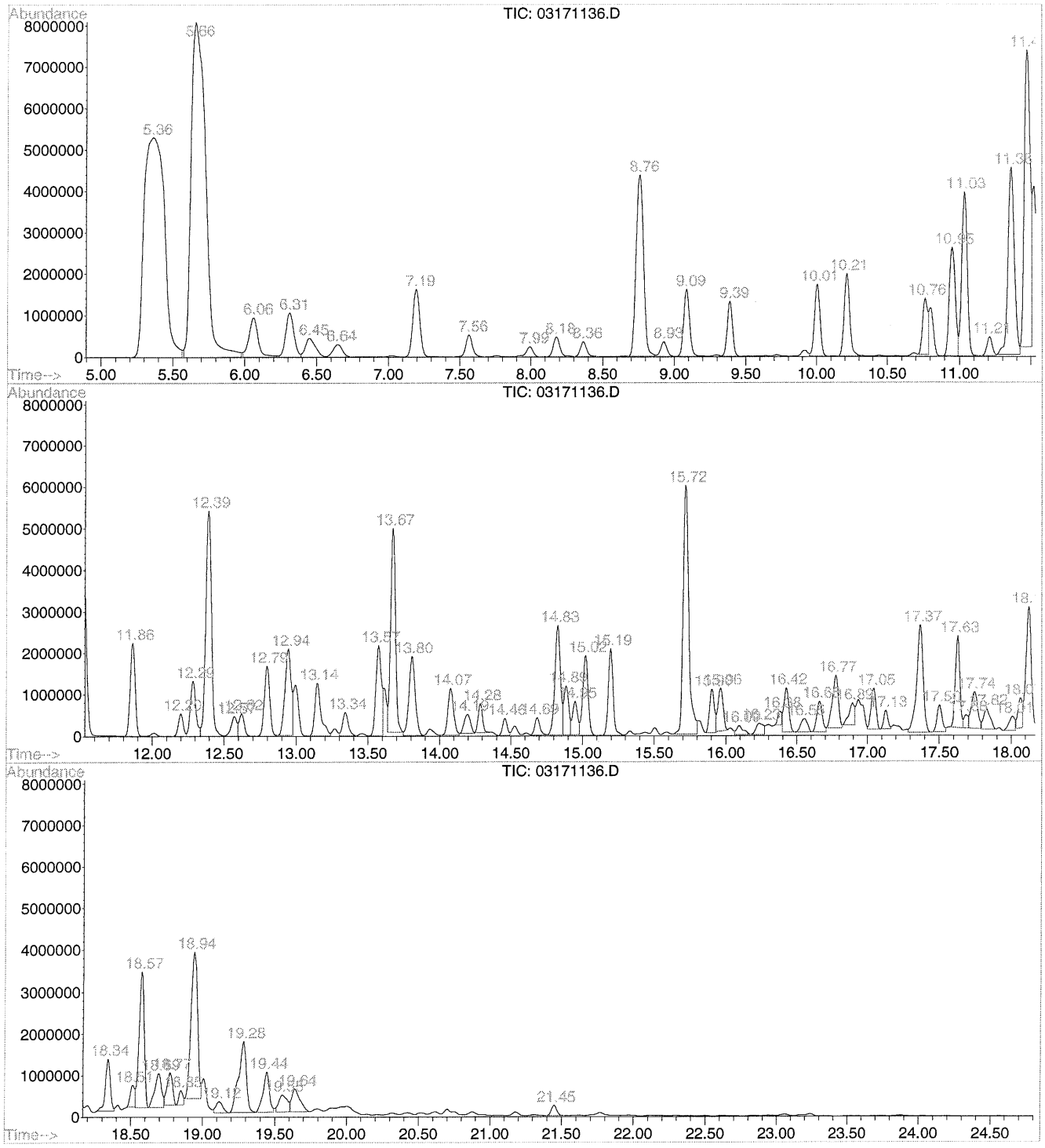
44	14.948	1917	1923	1929	rVV2	800287	2005721	3.52%	0.463%
45	15.021	1929	1937	1955	rVB	1924434	4895035	8.60%	1.130%
46	15.194	1958	1970	1988	rBV	2084825	4991886	8.77%	1.152%
47	15.717	2053	2070	2086	rBV2	5989693	16599826	29.15%	3.831%
48	15.900	2097	2105	2111	rBV	1044603	2509906	4.41%	0.579%
49	15.963	2111	2117	2126	rVV3	1034999	2611519	4.59%	0.603%
50	16.093	2136	2142	2157	rVB	213935	677150	1.19%	0.156%
51	16.235	2157	2169	2176	rBV3	267800	975550	1.71%	0.225%
52	16.381	2190	2197	2199	rBV	331505	613368	1.08%	0.142%
53	16.423	2200	2205	2218	rVB	1071365	2537439	4.46%	0.586%
54	16.548	2219	2229	2240	rVB9	323256	1048269	1.84%	0.242%
55	16.658	2240	2250	2259	rBV2	738644	2049506	3.60%	0.473%
56	16.773	2259	2272	2281	rBV4	1265604	3773486	6.63%	0.871%
57	16.894	2282	2295	2298	rBV7	526527	1465774	2.57%	0.338%
58	17.045	2315	2324	2332	rVB	985902	2366260	4.16%	0.546%
59	17.129	2333	2340	2347	rBV	446043	930063	1.63%	0.215%
60	17.370	2370	2386	2400	rVB3	2591759	8007325	14.06%	1.848%
61	17.500	2402	2411	2420	rBV2	648327	1637311	2.88%	0.378%
62	17.626	2426	2435	2442	rBV	2213959	4717315	8.28%	1.089%
63	17.683	2442	2446	2449	rVV4	315062	624339	1.10%	0.144%
64	17.741	2450	2457	2466	rVV4	879144	2666669	4.68%	0.615%
65	17.825	2467	2473	2486	rVB4	498859	1555249	2.73%	0.359%
66	18.008	2496	2508	2512	rBV5	340534	999593	1.76%	0.231%
67	18.065	2513	2519	2522	rVV	724816	1589249	2.79%	0.367%
68	18.123	2522	2530	2540	rVB	2879941	7421033	13.03%	1.713%
69	18.337	2557	2571	2580	rBV	1251356	3005521	5.28%	0.694%
70	18.510	2597	2604	2608	rBV	523640	1222430	2.15%	0.282%
71	18.573	2608	2616	2625	rVB	3244697	8157345	14.33%	1.883%
72	18.693	2626	2639	2646	rBV4	817434	2740507	4.81%	0.633%
73	18.771	2647	2654	2662	rVB2	790682	2092792	3.68%	0.483%
74	18.850	2663	2669	2673	rBV	348739	704715	1.24%	0.163%
75	18.939	2674	2686	2696	rBV	3501434	11398604	20.02%	2.631%
76	19.116	2713	2720	2733	rVB4	265142	869049	1.53%	0.201%
77	19.284	2734	2752	2768	rVV3	1712310	6374358	11.19%	1.471%
78	19.441	2768	2782	2792	rVV	963948	2948849	5.18%	0.681%
79	19.551	2795	2803	2813	rVV5	407504	1710632	3.00%	0.395%
80	19.639	2814	2820	2840	rVB6	540544	2109140	3.70%	0.487%
81	21.449	3155	3166	3180	rBV	247211	648117	1.14%	0.150%

Sum of corrected areas: 433275867

03171136.D 031611V1.M Wed Apr 13 15:49:05 2011

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\031711\03171136.D
Operator : Michael Truchan
Acquired : 18 Mar 2011 12:42 pm using AcqMethod 031611V1
Instrument : GC/MS Ins
Sample Name: 1103120-008A
Misc Info : SAMP EPA_TO15-ug/m3
Vial Number: 9
Quant File :031611V1.RES (RTE Integrator)



03171136.D 031611V1.M Wed Apr 13 15:49:05 2011

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 1 Ethylene oxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.36	177.02 ppbv	52061100	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	4
2	Ethylene oxide	44	C2H4O	000075-21-8	4
3	Acetaldehyde $$ Acetic aldehyde $$	44	C2H4O	000075-07-0	3
4	Ethyne, fluoro- $$ Acetylene, fluor	44	C2HF	002713-09-9	3
5	Acetaldehyde	44	C2H4O	000075-07-0	3

****

Peak Number 2 Isobutane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	14.04 ppbv	4128130	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	64
2	Isobutane	58	C4H10	000075-28-5	59
3	Isobutane $$ Propane, 2-methyl- $$	58	C4H10	000075-28-5	59
4	Cyclobutylamine $$ Aminocyclobutane	71	C4H9N	002516-34-9	4
5	Cyclobutylamine	71	C4H9N	002516-34-9	4

****

Peak Number 3 1-Propene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	14.46 ppbv	4253450	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
3	1-Propene, 2-methyl- $$ Propene, 2-	56	C4H8	000115-11-7	80
4	2-Butene, (E)- $$ (E)-2-Butene $$ t	56	C4H8	000624-64-6	80
5	2-Butene, (Z)- $$ (Z)-2-Butene $$ c	56	C4H8	000590-18-1	80

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 4 Acetaldehyde $$ Acetic aldehyd Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	4.58 ppbv	1348020	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde $$ Acetic aldehyde $$	44	C2H4O	000075-07-0	9
2	Acetaldehyde	44	C2H4O	000075-07-0	9
3	Acetaldehyde	44	C2H4O	000075-07-0	9
4	Propane	44	C3H8	000074-98-6	9
5	Cyclopropyl carbinol	72	C4H8O	002516-33-8	9

****

Peak Number 5 Butane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	18.74 ppbv	5511490	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2	Butane, 2-methyl-	72	C5H12	000078-78-4	72
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9
5	1-Butene	56	C4H8	000106-98-9	9

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Peak Number 6 Pentane $$ n-Pentane $$ Skelly Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	5.79 ppbv	1703480	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane $$ n-Pentane $$ Skellysolve	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	64
4	Oxirane, ethyl-	72	C4H8O	000106-88-7	42
5	Butane, 2-methyl-	72	C5H12	000078-78-4	38

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 7 Furan Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	2.58 ppbv	760239	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan	68	C4H4O	000110-00-9	90
2	Furan	68	C4H4O	000110-00-9	90
3	Furan	68	C4H4O	000110-00-9	90
4	1,4-Pentadiene $$ Penta-1,4-diene $	68	C5H8	000591-93-5	9
5	1H-Pyrrole, 2,5-dihydro- $$ 3-Pyrro	69	C4H7N	000109-96-6	9

****

Peak Number 8 Butane, 2,2-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	5.01 ppbv	1472100	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	72
2	Butane, 2,2-dimethyl- $$ Neohexane	86	C6H14	000075-83-2	72
3	Octane, 2-bromo-	192	C8H17Br	000557-35-7	59
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	56
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	45

****

Peak Number 9 Pentane, 2-methyl- $$ Isohexan Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	53.46 ppbv	15721400	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl- $$ Isohexane $$	86	C6H14	000107-83-5	80
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	80
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	80
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	64

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 10 Cyclopentane $$ Pentamethylene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	3.47 ppbv	1019890	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane $$ Pentamethylene $$ U	70	C5H10	000287-92-3	72
2	Cyclopentane	70	C5H10	000287-92-3	59
3	1-Pentene	70	C5H10	000109-67-1	45
4	Cyclobutanone	70	C4H6O	001191-95-3	45
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	38

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Peak Number 11 Pentane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	15.56 ppbv	4575570	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl- $$ 3-Methylpenta	86	C6H14	000096-14-0	86
4	Oxirane, (1-methylethyl)- $$ Butane	86	C5H10O	001438-14-8	50
5	Hexane, 2,2,3-trimethyl- $$ 2,2,3-T	128	C9H20	016747-25-4	40

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Peak Number 12 Pentane, 2,4-dimethyl- $$ 2,4- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	15.87 ppbv	4667110	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl- $$ 2,4-Dimet	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	74
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 13 Cyclopentane, methyl- $$ Methy Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	18.78 ppbv	5523760	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl- $$ Methylcycl	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	1H-Tetrazole, 5-methyl- $$ 5-Methyl	84	C2H4N4	004076-36-2	80
4	Cyclobutane, ethyl- $$ Ethylcyclobu	84	C6H12	004806-61-5	72
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	58

****

Peak Number 14 Pentane, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	23.49 ppbv	6907270	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
2	Pentane, 2,3-dimethyl- $$ 2,3-Dimet	100	C7H16	000565-59-3	95
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91

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Peak Number 15 Cyclopentane, 1,1-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	4.09 ppbv	1202680	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	83
2	4-Pentenal, 2-methyl-	98	C6H10O	005187-71-3	59
3	Cyclopentane, 1,1-dimethyl- $$ Gem-	98	C7H14	001638-26-2	43
4	Cyclopentane, 1,1,2-trimethyl- $$ C	112	C8H16	004259-00-1	42
5	2-Chloro-2,4-dimethylpentane	134	C7H15Cl	035951-33-8	38

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 16 Butane, 2,2,3,3-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	33.70 ppbv	14406800	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59

****

Peak Number 17 Hexane, 2,5-dimethyl- $$ Biiso Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	3.01 ppbv	1287330	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	93
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	87
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	52
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	49
5	1-Pyrrolidinecarboxaldehyde $$ N-Fo	99	C5H9NO	003760-54-1	47

****

Peak Number 18 Hexane, 2,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	8.42 ppbv	3599930	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47
2	Heptane, 3-methyl- $$ 3-Methylhepta	114	C8H18	000589-81-1	47
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	46
4	Hexane, 1-(hexyloxy)-3-methyl-	200	C13H28O	074421-18-4	45
5	Butane, 2,2,3-trimethyl- $$ Triptan	100	C7H16	000464-06-2	43

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 19 Cyclohexane, methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	35.21 ppbv	15051400	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	78
5	Furan, 2,5-dihydro-2,5-dimethyl-	98	C6H10O	059242-27-2	59

****

Peak Number 20 Cyclopentane, ethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	3.07 ppbv	1313500	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	93
2	Cyclopentane, ethyl- $$ Ethylcyclop	98	C7H14	001640-89-7	90
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	90
4	Cyclopentane, ethyl-	98	C7H14	001640-89-7	43
5	Cyclopentane, 1,2-dimethyl-, cis- $	98	C7H14	001192-18-3	42

****

Peak Number 21 Cyclopentane, 1,2,4-trimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	3.02 ppbv	1291870	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, (1.	112	C8H16	004850-28-6	72
2	Cyclopentane, 1,2,4-trimethyl-, (1.	112	C8H16	016883-48-0	72
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	56
4	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	56
5	2-Azetidinone, 3,4,4-trimethyl-	113	C6H11NO	022607-01-8	42

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 22 1-Hexene, 4,5-dimethyl- $$ 4,5 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	10.39 ppbv	4442640	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4,5-dimethyl- $$ 4,5-Dime	112	C8H16	016106-59-5	53
2	1-Hexene, 4-ethyl- $$ 4-Ethyl-1-hex	112	C8H16	016746-85-3	53
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	52
4	Pentane, 2,3,4-trimethyl- $$ 2,3,4-	114	C8H18	000565-75-3	52
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	50

****

Peak Number 23 Heptane, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	14.88 ppbv	6360600	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	90
2	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	90
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	87
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	47

****

Peak Number 24 Heptane, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	9.06 ppbv	3871000	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	90
2	Heptane, 3-methyl- $$ 3-Methylhepta	114	C8H18	000589-81-1	72
3	Hexane, 2,4-dimethyl- $$ 2,4-Dimeth	114	C8H18	000589-43-5	50
4	Hexane, 2-methyl- $$ 2-Methylhexane	100	C7H16	000591-76-4	50
5	Hexane, 3-ethyl- $$ 3-Ethylhexane	114	C8H18	000619-99-8	47

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 25 Hexane, 2,2,5-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	3.54 ppbv	1514230	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
3	Hexane, 2,2,4-trimethyl- $$ 2,2,4-T	128	C9H20	016747-26-5	83
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
5	Hexane, 2,2,5-trimethyl- $$ 2,2,5-T	128	C9H20	003522-94-9	72

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Peak Number 26 Cyclohexane, 1,3-dimethyl-, ci Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	13.91 ppbv	5947640	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis- $$	112	C8H16	000638-04-0	97
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94
3	Cyclohexane, 1,3-dimethyl- $$ 1,3-D	112	C8H16	000591-21-9	94
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90

****

Peak Number 27 Octane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	27.32 ppbv	11678800	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	87
2	Octane	114	C8H18	000111-65-9	83
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4	Heptane, 2,4-dimethyl- $$ 2,4-Dimet	128	C9H20	002213-23-2	72
5	Octane	114	C8H18	000111-65-9	64

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 28 Cyclohexane, 1,2-dimethyl-, tr Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	2.35 ppbv	3120010	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
2	Cyclohexane, 1,4-dimethyl-, cis- $$	112	C8H16	000624-29-3	90
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87

****

Peak Number 29 Cyclohexane, ethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	5.47 ppbv	7263200	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	95
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	80

****

Peak Number 30 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	1.98 ppbv	2626230	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl- $$ Cy	126	C9H18	003073-66-3	40
2	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	17
3	Cyclooctane, (1-methylpropyl)- $$ C	168	C12H24	016538-89-9	17
4	1,1,4-Trimethylcyclohexane $$ Cyclo	126	C9H18	007094-27-1	16
5	1-Hexene, 3,3-dimethyl- $$ 3,3-Dime	112	C8H16	003404-77-1	9

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 31 Heptane, 2,3-dimethyl- $$ 2,3- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	1.51 ppbv	2005720	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl- $$ 2,3-Dimet	128	C9H20	003074-71-3	81
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	68
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	58
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
5	Heptane, 2,4-dimethyl- $$ 2,4-Dimet	128	C9H20	002213-23-2	53

****

Peak Number 32 Heptane, 2,4-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	3.69 ppbv	4895040	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
2	Octane, 4-methyl-	128	C9H20	002216-34-4	64
3	Octane, 4-methyl-	128	C9H20	002216-34-4	58
4	Heptane, 2,4-dimethyl- $$ 2,4-Dimet	128	C9H20	002213-23-2	58
5	Hexane, 3,3-dimethyl- $$ 3,3-Dimeth	114	C8H18	000563-16-6	53

****

Peak Number 33 Octane, 3-methyl- $$ 3-Methylo Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	3.76 ppbv	4991890	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl- $$ 3-Methyloctane	128	C9H20	002216-33-3	58
2	Octane, 3-methyl-	128	C9H20	002216-33-3	50
3	Heptane, 3-ethyl-	128	C9H20	015869-80-4	47
4	Heptane, 3-ethyl- $$ 3-Ethylheptane	128	C9H20	015869-80-4	43
5	Heptane, 4-(1-methylethyl)- $$ 4-Is	142	C10H22	052896-87-4	37

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 34 1-Ethyl-4-methylcyclohexane Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	1.89 ppbv	2509910	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	94
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	94
3	Cyclohexane, 1-ethyl-4-methyl-, tra	126	C9H18	006236-88-0	86
4	2-Hexene, 3,4,4-trimethyl- $$ 3,4,4	126	C9H18	053941-19-8	72
5	4-Octen-3-one	126	C8H14O	014129-48-7	72

****

Peak Number 35 Nonane, 3-methyl- $$ 3-Methyln Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	1.91 ppbv	2537440	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl- $$ 3-Methylnonane	142	C10H22	005911-04-6	91
2	Octane, 3,6-dimethyl- $$ 3,6-Dimeth	142	C10H22	015869-94-0	91
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91

****

Peak Number 36 Cyclohexane, (1-methylethyl)- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	1.54 ppbv	2049510	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46
2	Cyclohexane, (1-methylethyl)- $$ Cy	126	C9H18	000696-29-7	46
3	3-Acetonylcyclopentanone	140	C8H12O2	075359-72-7	43
4	1,3,2-Dioxaborolane, 4,4-dimethyl-5	142	C6H11BO3	000000-00-0	38
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	38

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 37 Cyclohexane, (1-methylethyl)- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	2.84 ppbv	3773490	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	74
2	Cyclohexane, propyl- $$ Propylcyclo	126	C9H18	001678-92-8	58
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	52
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	52
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50

****

Peak Number 38 Octane, 2,5,6-trimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.05	1.78 ppbv	2366260	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	64
2	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	59
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	53
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	53
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	50

****

Peak Number 39 Decane Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	3.55 ppbv	4717320	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	87
2	Decane	142	C10H22	000124-18-5	81
3	Hexacosane	366	C26H54	000630-01-3	64
4	Decane $$ n-Decane $$ n-C10H22 $$ U	142	C10H22	000124-18-5	64
5	Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	59

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 40 Cyclohexane, 1-methyl-2-propyl Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	2.01 ppbv	2666670	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	38
2	Decane, 5-propyl-	184	C13H28	017312-62-8	32
3	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	30
4	2-Pentene, 2,3,4-trimethyl-	112	C8H16	000565-77-5	27
5	7-Oxabicyclo[4.1.0]heptane, 1-methy	112	C7H12O	001713-33-3	27

****

Peak Number 41 Dodecane, 2,2,11,11-tetramethy Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	5.59 ppbv	7421030	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	83
2	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	72
3	Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	72
4	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	72
5	Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	72

****

Peak Number 42 Tetradecane, 2,2-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.26 ppbv	3005520	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2,2-dimethyl-	226	C16H34	000000-00-0	72
2	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	72
3	Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	64
4	Hexane, 2,2,4-trimethyl- $$ 2,2,4-T	128	C9H20	016747-26-5	64
5	Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	64

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 43 Undecane, 5,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	6.14 ppbv	8157350	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	64
2	1-Iodo-2-methylnonane	268	C10H21I	000000-00-0	64
3	Undecane, 3,4-dimethyl-	184	C13H28	017312-78-6	56
4	Heptadecane $$ n-Heptadecane $$ Nor	240	C17H36	000629-78-7	56
5	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	50

****

Peak Number 44 Cyclohexane, butyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	2.06 ppbv	2740510	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	43
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	43
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	43
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	41
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	38

****

Peak Number 45 Dodecane, 2,5-dimethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	1.58 ppbv	2092790	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	64
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	56
3	Decane	142	C10H22	000124-18-5	56
4	Dodecane, 2,6,11-trimethyl- $$ 2,6,	212	C15H32	031295-56-4	53
5	Undecane, 3-methyl- $$ 3-Methylunde	170	C12H26	001002-43-3	50

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 46 Heptane, 5-ethyl-2,2,3-trimeth Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	8.58 ppbv	11398600	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 5-ethyl-2,2,3-trimethyl-	170	C12H26	062199-06-8	56
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	53
3	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	53
4	Tetradecane, 2,2-dimethyl-	226	C16H34	000000-00-0	53
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	50

****

Peak Number 47 Ether, hexyl pentyl $$ Hexane, Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	4.80 ppbv	6374360	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether, hexyl pentyl $$ Hexane, 1-(p	172	C11H24O	032357-83-8	59
2	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	50
3	Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	50
4	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	50
5	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	47

****

Peak Number 48 Undecane Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	2.22 ppbv	2948850	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Tridecane	184	C13H28	000629-50-5	90
3	Tridecane $$ n-Tridecane $$ Trideca	184	C13H28	000629-50-5	86
4	Undecane $$ n-Undecane $$ Hendecane	156	C11H24	001120-21-4	81
5	Hexadecane	226	C16H34	000544-76-3	80

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 49 Hexane, 2,3,4-trimethyl- $$ 2, Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.55	1.29 ppbv	1710630	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl- $$ 2,3,4-T	128	C9H20	000921-47-1	52
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47
3	Nonane, 5-butyl- $$ 5-Butylnonane $	184	C13H28	017312-63-9	47
4	Nonacosane	408	C29H60	000630-03-5	45
5	Nonane, 5-(1-methylpropyl)-	184	C13H28	062185-54-0	43

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Peak Number 50 3,4-Dimethylcyclohexanol Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	1.59 ppbv	2109140	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylcyclohexanol	128	C8H16O	005715-23-1	38
2	Decane, 3-methyl- $$ 3-Methyldecane	156	C11H24	013151-34-3	35
3	Cyclohexanol, 5-methyl-2-(1-methyle	156	C10H20O	000089-78-1	32
4	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	25
5	Nonadecane	268	C19H40	000629-92-5	25

Tentatively Identified Compound (LSC) summary

Operator ID: Michael Truchan Date Acquired: 18 Mar 2011 12:42 pm
Data File: C:\HPCHEM\1\DATA\031711\03171136.D
Name: 1103120-008A
Misc: SAMP EPA_TO15-ug/m3
Method: C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title: TO15 ppbv
Library Searched: C:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Ethylene oxide	5.36	177.0	ppbv	52061100	ISTD01	10.76	3676240	12.5
Isobutane	6.06	14.0	ppbv	4128130	ISTD01	10.76	3676240	12.5
1-Propene, 2-methyl-	6.31	14.5	ppbv	4253450	ISTD01	10.76	3676240	12.5
Acetaldehyde $$ Acet	6.64	4.6	ppbv	1348020	ISTD01	10.76	3676240	12.5
Butane, 2-methyl-	7.19	18.7	ppbv	5511490	ISTD01	10.76	3676240	12.5
Pentane $$ n-Pentane	7.56	5.8	ppbv	1703480	ISTD01	10.76	3676240	12.5
Furan	7.99	2.6	ppbv	760239	ISTD01	10.76	3676240	12.5
Butane, 2,2-dimethyl	8.18	5.0	ppbv	1472100	ISTD01	10.76	3676240	12.5
Pentane, 2-methyl- $	8.76	53.5	ppbv	15721400	ISTD01	10.76	3676240	12.5
Cyclopentane $$ Pent	8.93	3.5	ppbv	1019890	ISTD01	10.76	3676240	12.5
Pentane, 3-methyl-	9.09	15.6	ppbv	4575570	ISTD01	10.76	3676240	12.5
Pentane, 2,4-dimethy	10.01	15.9	ppbv	4667110	ISTD01	10.76	3676240	12.5
Cyclopentane, methyl	10.21	18.8	ppbv	5523760	ISTD01	10.76	3676240	12.5
Pentane, 2,3-dimethy	10.95	23.5	ppbv	6907270	ISTD01	10.76	3676240	12.5
Cyclopentane, 1,1-di	11.21	4.1	ppbv	1202680	ISTD01	10.76	3676240	12.5
Butane, 2,2,3,3-tetr	11.36	33.7	ppbv	14406800	ISTD02	11.86	5343160	12.5
Hexane, 2,5-dimethyl	12.20	3.0	ppbv	1287330	ISTD02	11.86	5343160	12.5
Hexane, 2,4-dimethyl	12.29	8.4	ppbv	3599930	ISTD02	11.86	5343160	12.5
Cyclohexane, methyl-	12.39	35.2	ppbv	15051400	ISTD02	11.86	5343160	12.5
Cyclopentane, ethyl-	12.57	3.1	ppbv	1313500	ISTD02	11.86	5343160	12.5
Cyclopentane, 1,2,4-	12.62	3.0	ppbv	1291870	ISTD02	11.86	5343160	12.5
1-Hexene, 4,5-dimeth	12.79	10.4	ppbv	4442640	ISTD02	11.86	5343160	12.5
Heptane, 2-methyl-	12.94	14.9	ppbv	6360600	ISTD02	11.86	5343160	12.5
Heptane, 3-methyl-	13.14	9.1	ppbv	3871000	ISTD02	11.86	5343160	12.5
Hexane, 2,2,5-trimet	13.34	3.5	ppbv	1514230	ISTD02	11.86	5343160	12.5
Cyclohexane, 1,3-dim	13.57	13.9	ppbv	5947640	ISTD02	11.86	5343160	12.5
Octane	13.67	27.3	ppbv	11678800	ISTD02	11.86	5343160	12.5
Cyclohexane, 1,2-dim	14.07	2.3	ppbv	3120010	ISTD03	15.71	16599800	12.5
Cyclohexane, ethyl-	14.83	5.5	ppbv	7263200	ISTD03	15.71	16599800	12.5
Cyclohexane, 1,1,3-t	14.89	2.0	ppbv	2626230	ISTD03	15.71	16599800	12.5
Heptane, 2,3-dimethy	14.95	1.5	ppbv	2005720	ISTD03	15.71	16599800	12.5
Heptane, 2,4-dimethy	15.02	3.7	ppbv	4895040	ISTD03	15.71	16599800	12.5
Octane, 3-methyl- $$	15.19	3.8	ppbv	4991890	ISTD03	15.71	16599800	12.5
1-Ethyl-4-methylcycl	15.90	1.9	ppbv	2509910	ISTD03	15.71	16599800	12.5
Nonane, 3-methyl- $$	16.42	1.9	ppbv	2537440	ISTD03	15.71	16599800	12.5
Cyclohexane, (1-meth	16.66	1.5	ppbv	2049510	ISTD03	15.71	16599800	12.5
Cyclohexane, (1-meth	16.77	2.8	ppbv	3773490	ISTD03	15.71	16599800	12.5
Octane, 2,5,6-trimet	17.05	1.8	ppbv	2366260	ISTD03	15.71	16599800	12.5
Decane	17.63	3.6	ppbv	4717320	ISTD03	15.71	16599800	12.5
Cyclohexane, 1-methy	17.74	2.0	ppbv	2666670	ISTD03	15.71	16599800	12.5
Dodecane, 2,2,11,11-	18.12	5.6	ppbv	7421030	ISTD03	15.71	16599800	12.5
Tetradecane, 2,2-dim	18.34	2.3	ppbv	3005520	ISTD03	15.71	16599800	12.5
Undecane, 5,7-dimeth	18.57	6.1	ppbv	8157350	ISTD03	15.71	16599800	12.5
Cyclohexane, butyl-	18.69	2.1	ppbv	2740510	ISTD03	15.71	16599800	12.5
Dodecane, 2,5-dimeth	18.77	1.6	ppbv	2092790	ISTD03	15.71	16599800	12.5
Heptane, 5-ethyl-2,2	18.94	8.6	ppbv	11398600	ISTD03	15.71	16599800	12.5
Ether, hexyl pentyl	19.28	4.8	ppbv	6374360	ISTD03	15.71	16599800	12.5
Undecane	19.44	2.2	ppbv	2948850	ISTD03	15.71	16599800	12.5
Hexane, 2,3,4-trimet	19.55	1.3	ppbv	1710630	ISTD03	15.71	16599800	12.5
3,4-Dimethylcyclohex	19.64	1.6	ppbv	2109140	ISTD03	15.71	16599800	12.5

03171136.D 031611V1.M Wed Apr 13 15:49:08 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:27 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	671121	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2572251	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1802890	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1159023	12.83	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 102.64%				
Target Compounds							Qvalue
2) Propylene *	5.68	41	775350	15.41	ppbv		89
7) 1,3-Butadiene *	6.44	39	88195	1.74	ppbv		89
11) Ethanol *	7.74	45	15462	1.39	ppbv	#	86
14) Acetone *	8.36	43	347235	4.20	ppbv	#	92
16) 2-Propanol *	8.42	45	74557	1.25	ppbv	#	1
20) n-Hexane *	9.39	57	190408	1.94	ppbv		99
24) 2-Butanone *	10.43	43	54079	0.63	ppbv	#	87
29) Cyclohexane *	11.03	56	200852	2.02	ppbv	#	81
31) Benzene *	11.47	78	767295	4.62	ppbv		99
34) Heptane *	11.52	43	222791	1.79	ppbv	#	95
41) Toluene *	13.80	91	570179	2.94	ppbv		99
50) Ethylbenzene *	15.80	91	110717	0.53	ppbv		94
51) m,p-Xylene *	15.96	91	138218	0.85	ppbv		94

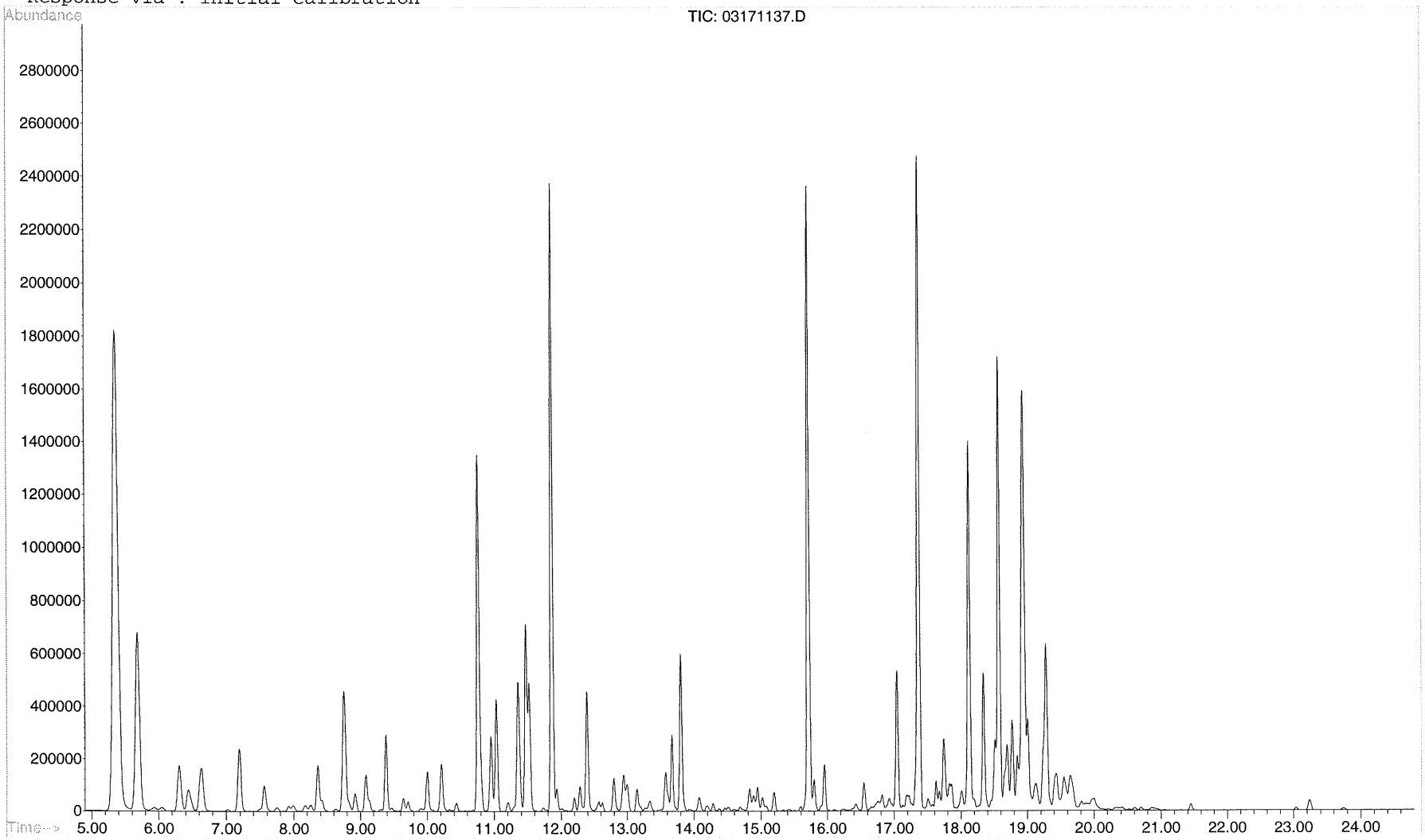
* All reported ok 4/15/11

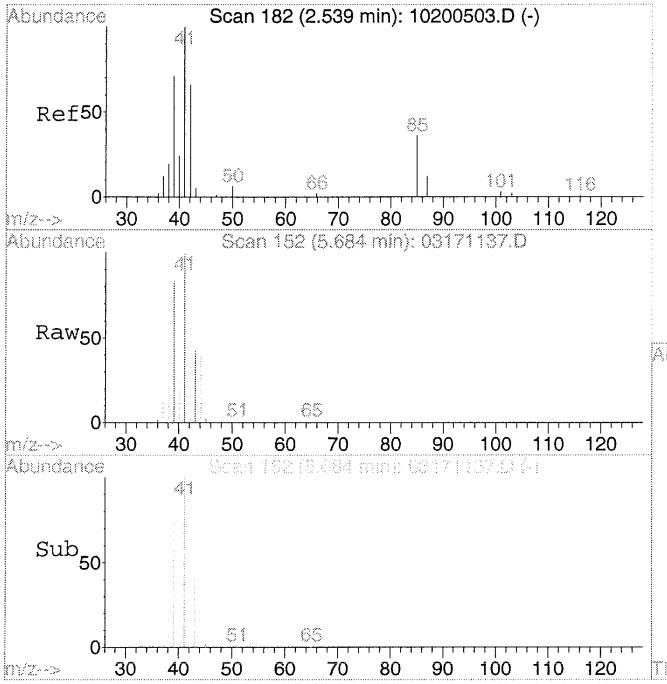
(#) = qualifier out of range (m) = manual integration
03171137.D 031611V1.M Wed Apr 13 15:49:15 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:27 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

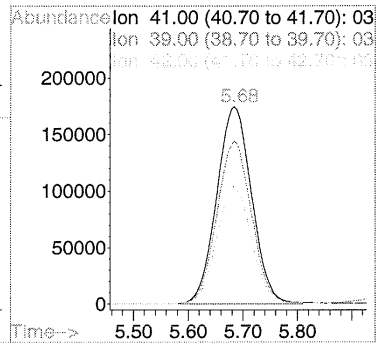


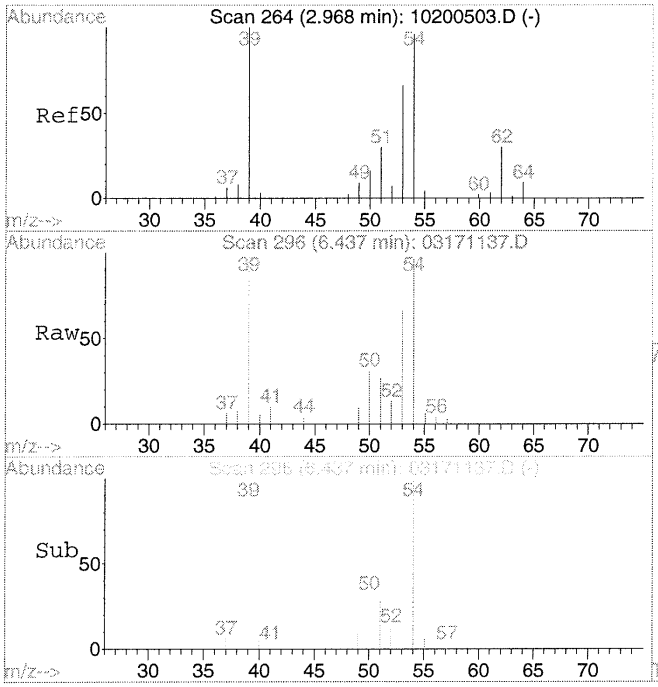


#2
Propylene
Concen: 15.41 ppbv
RT: 5.68 min Scan# 152
Delta R.T. 0.00 min
Lab File: 03171137.D
Acq: 18 Mar 2011 1:23 pm

Tgt Ion: 41 Resp: 775350

Ion	Ratio	Lower	Upper
41	100		
39	82.0	57.6	86.4
42	60.2	54.0	81.0

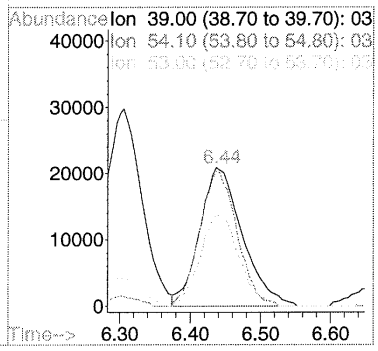


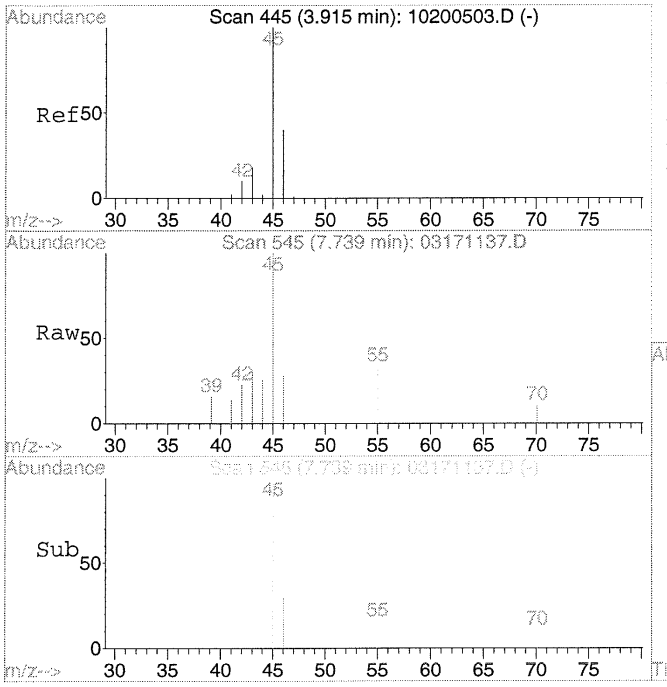


#7
1,3-Butadiene
Concen: 1.74 ppbv
RT: 6.44 min Scan# 296
Delta R.T. -0.00 min
Lab File: 03171137.D
Acq: 18 Mar 2011 1:23 pm

Tgt Ion: 39 Resp: 88195

Ion	Ratio	Lower	Upper
39	100		
54	85.6	79.4	119.0
53	60.1	53.2	79.8

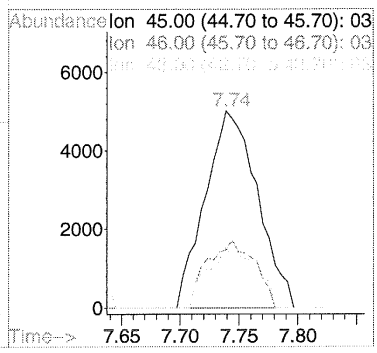


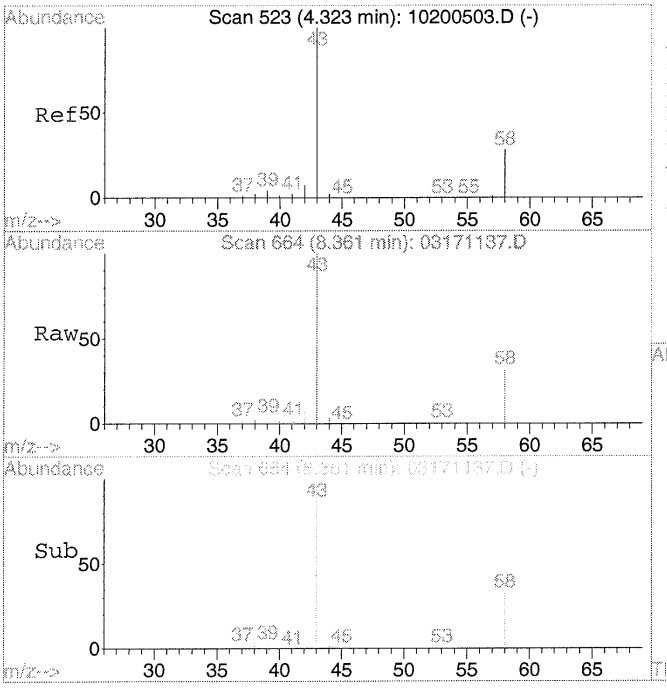


#11
Ethanol
Concen: 1.39 ppbv
RT: 7.74 min Scan# 545
Delta R.T. 0.01 min
Lab File: 03171137.D
Acq: 18 Mar 2011 1:23 pm

Tgt Ion: 45 Resp: 15462

Ion	Ratio	Lower	Upper
45	100		
46	31.0	30.2	45.4
43	27.9	15.8	23.6#

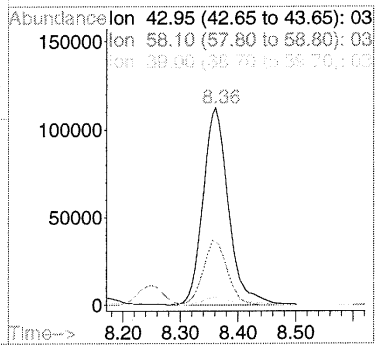


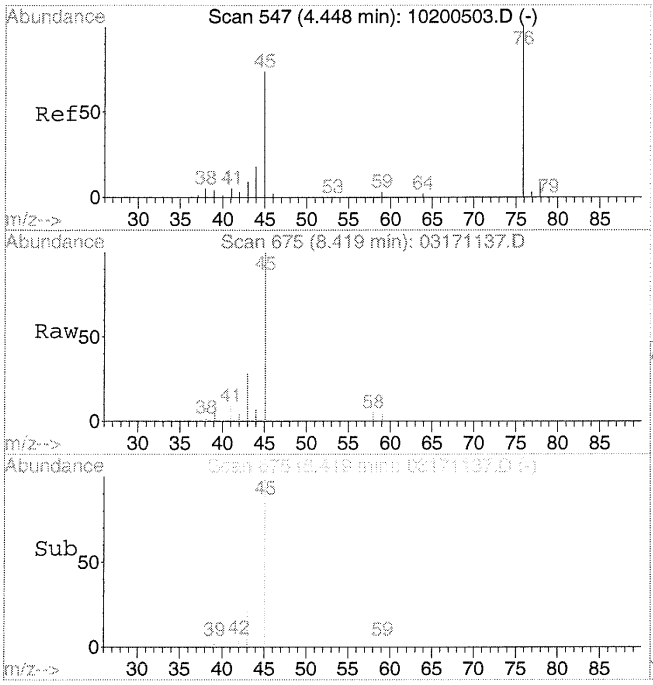


#14
Acetone
Concen: 4.20 ppbv
RT: 8.36 min Scan# 664
Delta R.T. 0.00 min
Lab File: 03171137.D
Acq: 18 Mar 2011 1:23 pm

Tgt Ion: 43 Resp: 347235

Ion	Ratio	Lower	Upper
43	100		
58	31.2	22.0	33.0
39	4.1	6.5	9.7#

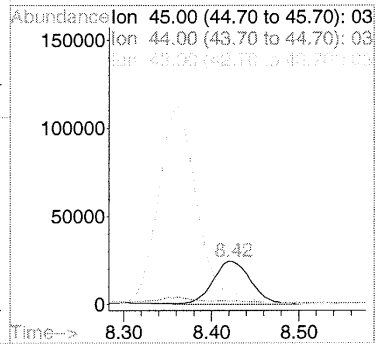


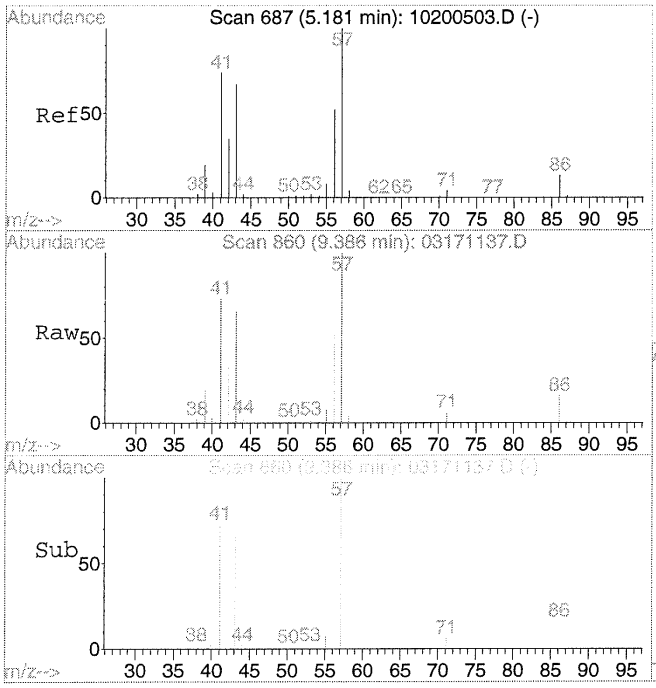


#16
2-Propanol
Concen: 1.25 ppbv
RT: 8.42 min Scan# 675
Delta R.T. 0.02 min
Lab File: 03171137.D
Acq: 18 Mar 2011 1:23 pm

Tgt Ion: 45 Resp: 74557

Ion	Ratio	Lower	Upper
45	100		
44	0.0	5.2	7.8#
43	0.0	101.1	151.7#

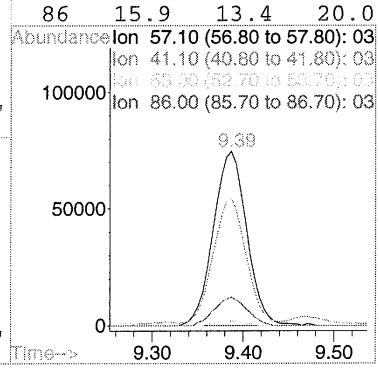


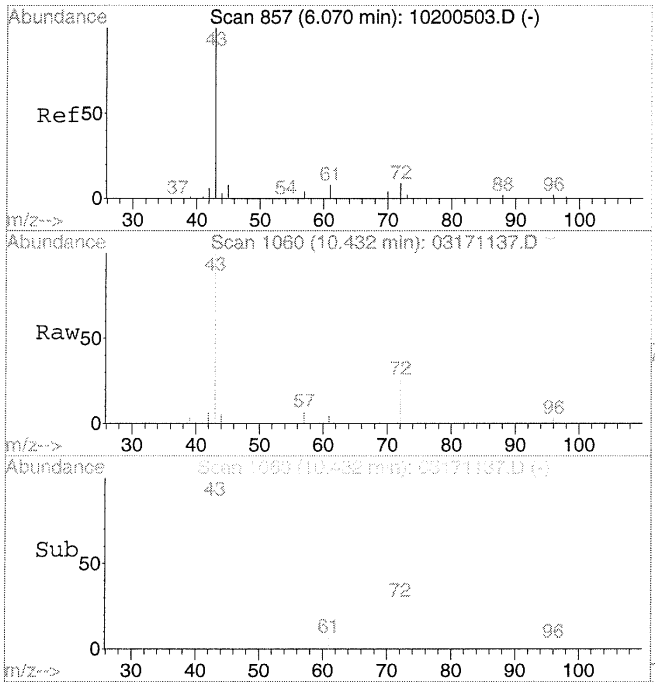


#20
n-Hexane
Concen: 1.94 ppbv
RT: 9.39 min Scan# 860
Delta R.T. -0.01 min
Lab File: 03171137.D
Acq: 18 Mar 2011 1:23 pm

Tgt Ion: 57 Resp: 190408

Ion	Ratio	Lower	Upper
57	100		
41	72.5	57.2	85.8
53	2.2	1.8	2.8
86	15.9	13.4	20.0

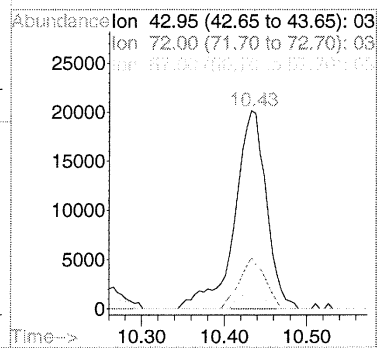


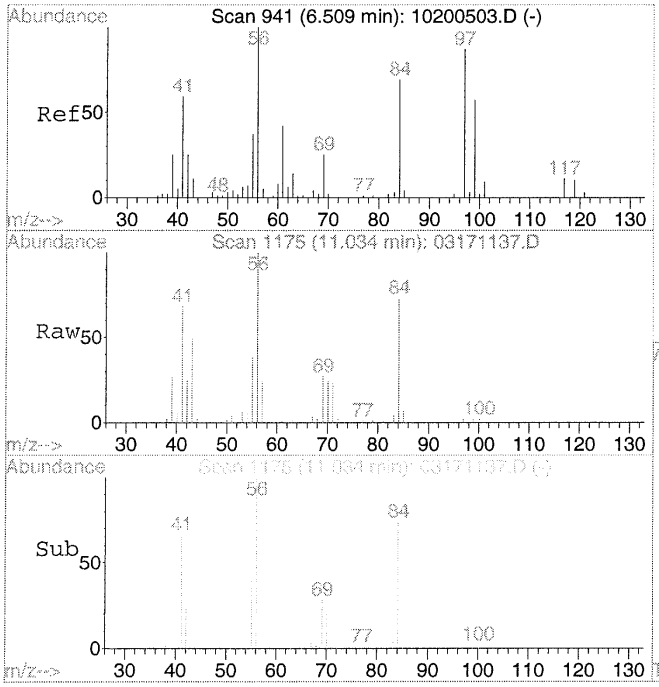


#24
2-Butanone
Concen: 0.63 ppbv
RT: 10.43 min Scan# 1060
Delta R.T. 0.01 min
Lab File: 03171137.D
Acq: 18 Mar 2011 1:23 pm

Tgt Ion: 43 Resp: 54079

Ion	Ratio	Lower	Upper
43	100		
72	21.0	23.4	35.2#
57	6.7	6.9	10.3#

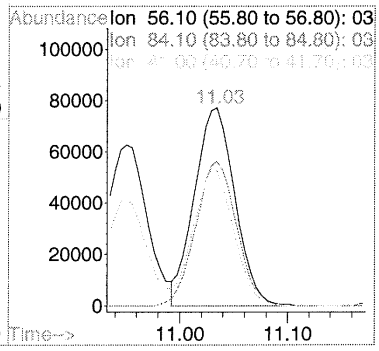


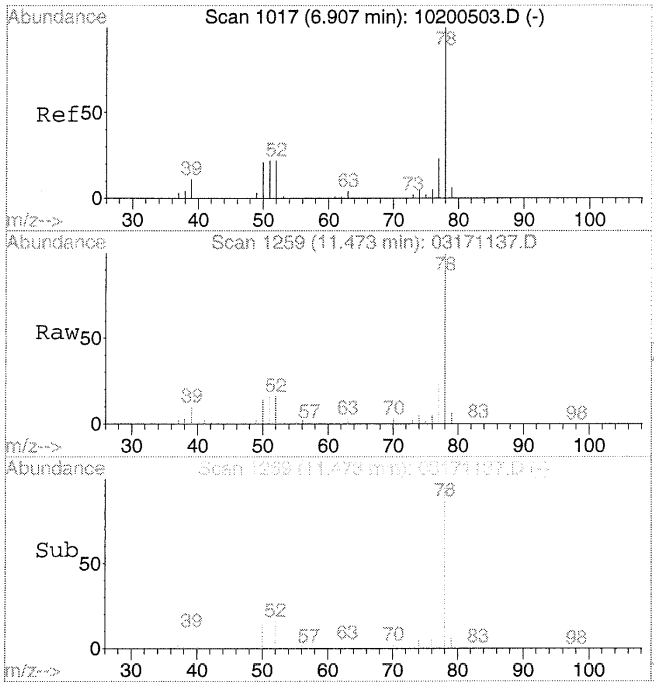


#29
Cyclohexane
Concen: 2.02 ppbv
RT: 11.03 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03171137.D
Acq: 18 Mar 2011 1:23 pm

Tgt Ion: 56 Resp: 200852

Ion	Ratio	Lower	Upper
56	100		
84	73.2	72.4	108.6
41	69.6	43.8	65.8#

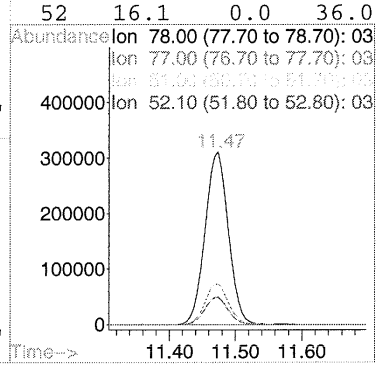


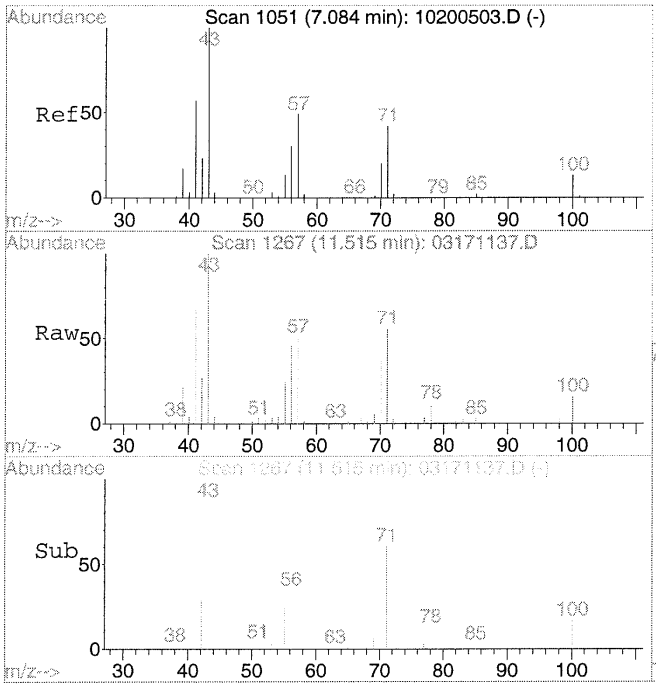


#31
Benzene
Concen: 4.62 ppbv
RT: 11.47 min Scan# 1259
Delta R.T. 0.00 min
Lab File: 03171137.D
Acq: 18 Mar 2011 1:23 pm

Tgt Ion: 78 Resp: 767295

Ion	Ratio	Lower	Upper
78	100		
77	23.8	3.7	43.7
51	17.0	0.0	36.1
52	16.1	0.0	36.0

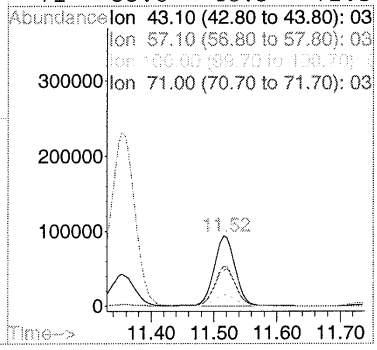


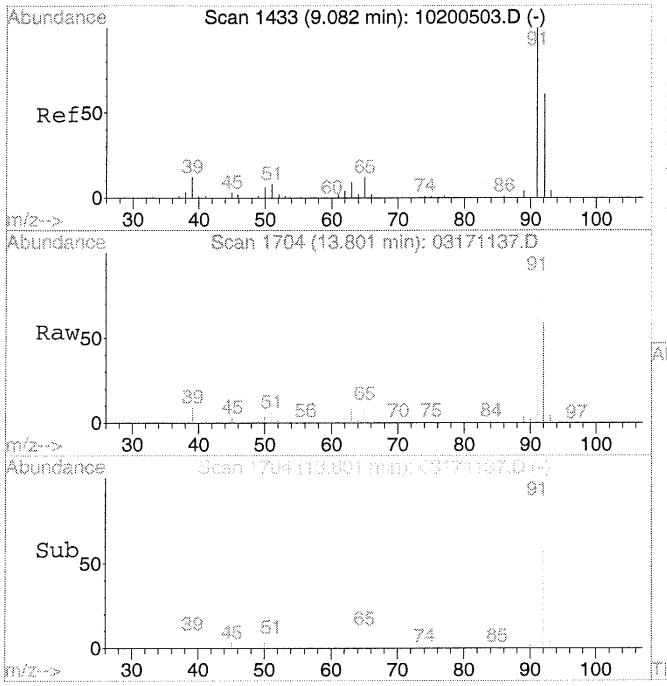


#34
Heptane
Concen: 1.79 ppbv
RT: 11.52 min Scan# 1267
Delta R.T. -0.01 min
Lab File: 03171137.D
Acq: 18 Mar 2011 1:23 pm

Tgt Ion: 43 Resp: 222791

Ion	Ratio	Lower	Upper
43	100		
57	52.6	42.2	63.4
100	16.0	17.3	25.9#
71	55.8	48.3	72.5

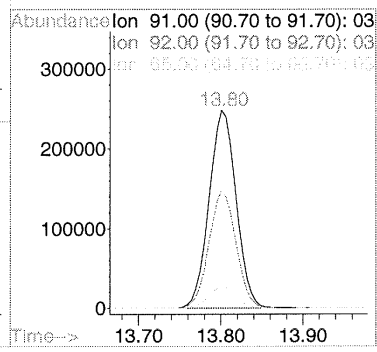


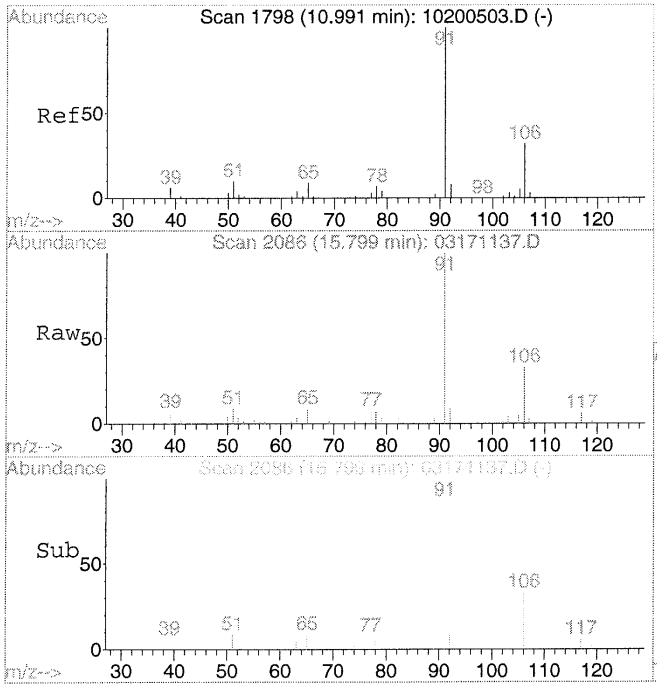


#41
Toluene
Concen: 2.94 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03171137.D
Acq: 18 Mar 2011 1:23 pm

Tgt Ion: 91 Resp: 570179

Ion	Ratio	Lower	Upper
91	100		
92	59.2	40.5	80.5
65	11.2	0.0	31.2

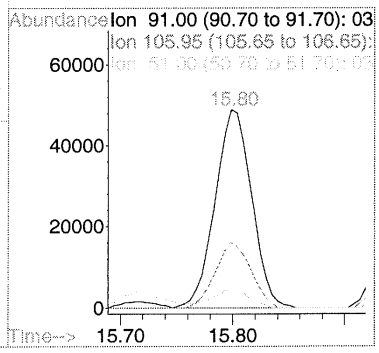


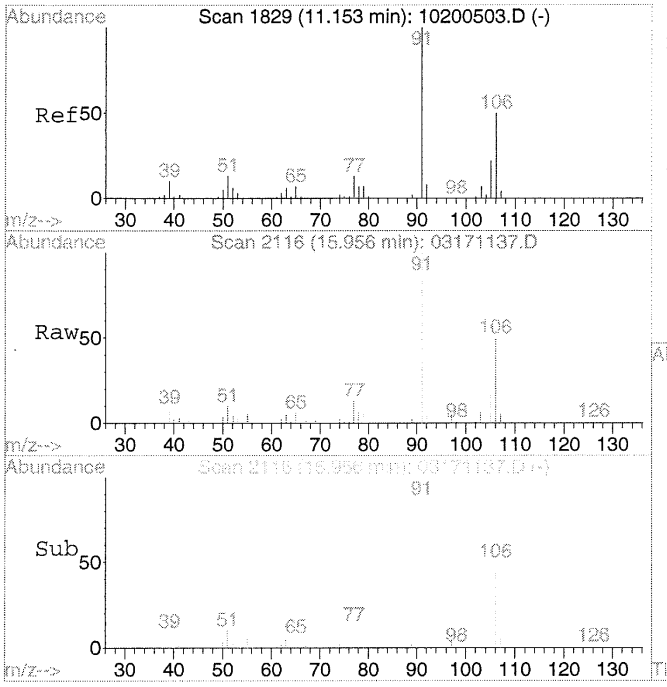


#50
Ethylbenzene
Concen: 0.53 ppbv
RT: 15.80 min Scan# 2086
Delta R.T. -0.00 min
Lab File: 03171137.D
Acq: 18 Mar 2011 1:23 pm

Tgt Ion: 91 Resp: 110717

Ion	Ratio	Lower	Upper
91	100		
106	32.1	14.9	54.9
51	9.7	0.0	33.1

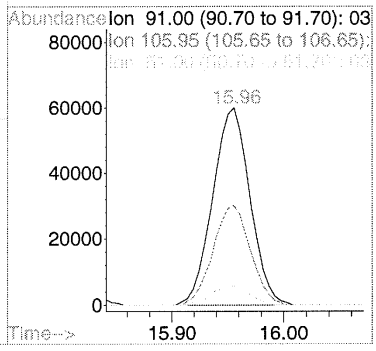




#51
m,p-Xylene
Concen: 0.85 ppbv
RT: 15.96 min Scan# 2116
Delta R.T. -0.00 min
Lab File: 03171137.D
Acq: 18 Mar 2011 1:23 pm

Tgt Ion: 91 Resp: 138218

Ion	Ratio	Lower	Upper
91	100		
106	50.4	35.6	75.6
51	9.8	0.0	29.6



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.359	61	90	131	rBV	1821391	10380495	100.00%	13.356%
2	5.684	133	152	178	rVB2	676541	2983967	28.75%	3.839%
3	6.306	255	271	285	rBV2	175156	653606	6.30%	0.841%
4	6.442	286	297	318	rVV3	79856	354944	3.42%	0.457%
5	6.630	318	333	351	rVV2	163607	690439	6.65%	0.888%
6	7.190	426	440	456	rBV	238920	794269	7.65%	1.022%
7	7.561	492	511	531	rVB	97352	332367	3.20%	0.428%
8	8.361	652	664	673	rBV	172742	521695	5.03%	0.671%
9	8.754	723	739	762	rVV2	457316	1643982	15.84%	2.115%
10	8.916	762	770	782	rVB3	66576	191174	1.84%	0.246%
11	9.083	789	802	822	rBV2	139136	488652	4.71%	0.629%
12	9.386	849	860	871	rBV	288145	718382	6.92%	0.924%
13	9.643	894	909	916	rBV	48078	126255	1.22%	0.162%
14	10.004	966	978	990	rVB	146072	385788	3.72%	0.496%
15	10.213	1002	1018	1033	rBV2	180277	514379	4.96%	0.662%
16	10.762	1111	1123	1144	rVV	1347539	3685468	35.50%	4.742%
17	10.950	1147	1159	1166	rBV	284653	737554	7.11%	0.949%
18	11.029	1166	1174	1188	rVB2	426623	1102226	10.62%	1.418%
19	11.353	1226	1236	1249	rVV	491502	1428630	13.76%	1.838%
20	11.473	1249	1259	1264	rVV	710852	1862628	17.94%	2.397%
21	11.520	1264	1268	1285	rVB2	488706	1084009	10.44%	1.395%
22	11.860	1322	1333	1343	rBV	2375045	5584894	53.80%	7.186%
23	11.934	1343	1347	1356	rVB	80727	166931	1.61%	0.215%
24	12.195	1388	1397	1405	rBV2	50709	120404	1.16%	0.155%
25	12.284	1405	1414	1422	rVV2	93977	243106	2.34%	0.313%
26	12.389	1424	1434	1451	rVB	452849	1153432	11.11%	1.484%
27	12.572	1456	1469	1474	rVV8	36479	114069	1.10%	0.147%
28	12.797	1501	1512	1527	rBV	125281	343189	3.31%	0.442%
29	12.943	1527	1540	1545	rBV2	134835	390236	3.76%	0.502%
30	13.147	1569	1579	1595	rBV	84622	254100	2.45%	0.327%
31	13.335	1606	1615	1626	rVB4	37491	115643	1.11%	0.149%
32	13.576	1651	1661	1672	rBV3	141730	442272	4.26%	0.569%
33	13.670	1672	1679	1693	rVV	287761	640330	6.17%	0.824%
34	13.801	1693	1704	1722	rVB	597777	1484079	14.30%	1.910%
35	14.073	1744	1756	1769	rVB4	51910	147424	1.42%	0.190%
36	14.826	1888	1900	1906	rBV2	83895	222313	2.14%	0.286%
37	14.889	1906	1912	1917	rVV4	51043	131457	1.27%	0.169%
38	14.946	1917	1923	1930	rVV	79561	176247	1.70%	0.227%
39	15.197	1959	1971	1982	rBB3	71690	179266	1.73%	0.231%
40	15.715	2053	2070	2081	rVV	2364445	5690990	54.82%	7.323%
41	15.799	2081	2086	2099	rVV	119272	282356	2.72%	0.363%
42	15.956	2108	2116	2128	rVB	175692	413903	3.99%	0.533%
43	16.547	2219	2229	2240	rBV2	105648	264988	2.55%	0.341%

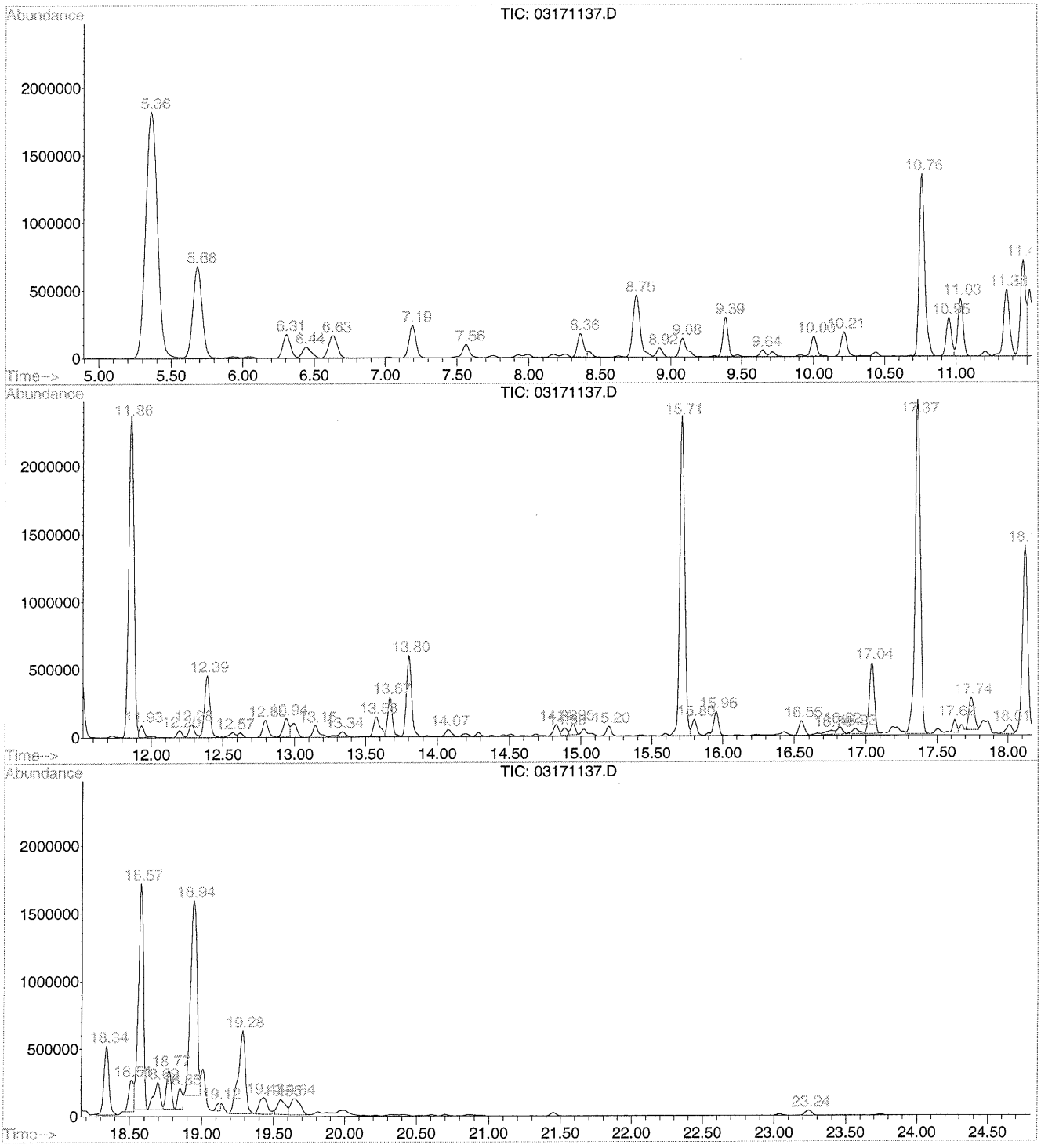
44	16.756	2255	2269	2275	rVV7	28966	125464	1.21%	0.161%
45	16.818	2275	2281	2290	rVV3	52277	131545	1.27%	0.169%
46	16.928	2290	2302	2313	rVV7	36040	132999	1.28%	0.171%
47	17.043	2313	2324	2334	rVB2	521886	1280268	12.33%	1.647%
48	17.368	2370	2386	2403	rVB2	2469599	6302317	60.71%	8.109%
49	17.624	2428	2435	2440	rBV	95400	182416	1.76%	0.235%
50	17.739	2449	2457	2467	rBV3	237612	630189	6.07%	0.811%
51	18.011	2494	2509	2516	rBV2	67922	206295	1.99%	0.265%
52	18.121	2517	2530	2542	rBV	1377164	3487996	33.60%	4.488%
53	18.340	2559	2572	2587	rVB	510846	1247963	12.02%	1.606%
54	18.508	2595	2604	2608	rBV	233471	558281	5.38%	0.718%
55	18.571	2608	2616	2626	rVB	1672237	4063195	39.14%	5.228%
56	18.691	2626	2639	2647	rBV4	200646	659222	6.35%	0.848%
57	18.769	2647	2654	2662	rVB3	288985	674903	6.50%	0.868%
58	18.848	2662	2669	2673	rBV	152909	334141	3.22%	0.430%
59	18.937	2674	2686	2696	rBV	1438646	4576573	44.09%	5.889%
60	19.120	2713	2721	2723	rBV3	59609	121560	1.17%	0.156%
61	19.282	2734	2752	2767	rVV3	613042	2156248	20.77%	2.774%
62	19.428	2769	2780	2792	rVV5	123775	504262	4.86%	0.649%
63	19.549	2795	2803	2813	rVV5	111295	435705	4.20%	0.561%
64	19.643	2814	2821	2841	rVB5	119600	547982	5.28%	0.705%
65	23.241	3498	3509	3519	rBB2	37494	116880	1.13%	0.150%

Sum of corrected areas: 77718942

03171137.D 031611V1.M Wed Apr 13 15:49:25 2011

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\031711\03171137.D
Operator : Michael Truchan
Acquired : 18 Mar 2011 1:23 pm using AcqMethod 031611V1
Instrument : GC/MS Ins
Sample Name: 1103120-010A
Misc Info : SAMP EPA_TO15-ug/m3
Vial Number: 10
Quant File :031611V1.RES (RTE Integrator)



03171137.D 031611V1.M Wed Apr 13 15:49:25 2011

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.36	35.21 ppbv	10380500	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide $$ Carbon oxide (CO2	44	CO2	000124-38-9	4
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Nitrous Oxide	44	N2O	010024-97-2	3
5	Nitrous Oxide $$ Nitrogen oxide (N2	44	N2O	010024-97-2	3

****

Peak Number 2 1-Propene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	2.22 ppbv	653606	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
3	1-Butene	56	C4H8	000106-98-9	87
4	1-Butene	56	C4H8	000106-98-9	87
5	1-Butene	56	C4H8	000106-98-9	87

****

Peak Number 3 Acetaldehyde Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	2.34 ppbv	690439	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	74
2	Acetaldehyde $$ Acetic aldehyde $$	44	C2H4O	000075-07-0	74
3	Acetaldehyde	44	C2H4O	000075-07-0	9
4	Acetaldehyde	44	C2H4O	000075-07-0	9
5	d-Alanine $$ D-.alpha.-Alanine $$ d	89	C3H7NO2	000338-69-2	9

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 4 Butane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	2.69 ppbv	794269	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	86
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	3-Buten-1-ol	72	C4H8O	000627-27-0	28
5	3-Buten-1-ol	72	C4H8O	000627-27-0	9

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Peak Number 5 Pentane $$ n-Pentane $$ Skelly Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	1.13 ppbv	332367	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane $$ n-Pentane $$ Skellysolve	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	64
4	Oxirane, ethyl-	72	C4H8O	000106-88-7	42
5	Butane, 2-methyl-	72	C5H12	000078-78-4	39

****

Peak Number 6 Pentane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	5.58 ppbv	1643980	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
3	Pentane, 2-methyl- $$ Isohexane $$	86	C6H14	000107-83-5	86
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 7 Methylene Chloride $$ Methane, Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.92	0.65 ppbv	191174	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride $$ Methane, dich	84	CH2Cl2	000075-09-2	81
2	Methylene Chloride	84	CH2Cl2	000075-09-2	76
3	Methylene Chloride	84	CH2Cl2	000075-09-2	64
4	Methylene Chloride	84	CH2Cl2	000075-09-2	59
5	Ethanamine, N-(ethoxymethyl)-N-ethy	131	C7H17NO	007352-03-6	9

****

Peak Number 8 Pentane, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	1.66 ppbv	488652	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl- $$ 3-Methylpenta	86	C6H14	000096-14-0	90
4	Oxirane, (1-methylethyl)- $$ Butane	86	C5H10O	001438-14-8	50
5	Hexane, 2,2,3-trimethyl- $$ 2,2,3-T	128	C9H20	016747-25-4	43

****

Peak Number 9 Formic acid, 2-propenyl ester Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	0.43 ppbv	126255	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formic acid, 2-propenyl ester $$ Fo	86	C4H6O2	001838-59-1	39
2	2-Propen-1-ol $$ Allyl alcohol $$ A	58	C3H6O	000107-18-6	7
3	2-Propen-1-ol	58	C3H6O	000107-18-6	7
4	Azetidine	57	C3H7N	000503-29-7	4
5	Formic acid, 2-propenyl ester	86	C4H6O2	001838-59-1	4

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 10 Pentane, 2,4-dimethyl- $$ 2,4- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	1.31 ppbv	385788	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl- $$ 2,4-Dimet	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	86
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	80
4	Hexane	86	C6H14	000110-54-3	59
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	50

****

Peak Number 11 Cyclopentane, methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	1.74 ppbv	514379	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl- $$ Methylcycl	84	C6H12	000096-37-7	91
3	1H-Tetrazole, 5-methyl- $$ 5-Methyl	84	C2H4N4	004076-36-2	80
4	Cyclobutane, ethyl- $$ Ethylcyclobu	84	C6H12	004806-61-5	64
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	52

****

Peak Number 12 Pentane, 2,3-dimethyl- $$ 2,3- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	2.50 ppbv	737554	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl- $$ 2,3-Dimet	100	C7H16	000565-59-3	95
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 13 Pentane, 2,2,4-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	3.20 ppbv	1428630	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	78

****

Peak Number 14 1-Butanol Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	0.37 ppbv	166931	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol	74	C4H10O	000071-36-3	83
2	1-Butanol	74	C4H10O	000071-36-3	74
3	1-Butanol	74	C4H10O	000071-36-3	64
4	1-Butanol	74	C4H10O	000071-36-3	43
5	1-Butanol $$ Butyl alcohol $$ n-But	74	C4H10O	000071-36-3	33

****

Peak Number 15 Hexane, 2,5-dimethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	0.27 ppbv	120404	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	35
2	2-Hexen-1-ol, 2-ethyl- $$ 2-Ethyl-2	128	C8H16O	050639-00-4	17
3	Hexanohydroxamic acid $$ Hexanamide	131	C6H13NO2	004312-93-0	16
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	16
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	16

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 16 Hexane, 2,4-dimethyl- $$ 2,4-D Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	0.54 ppbv	243106	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl- $$ 2,4-Dimeth	114	C8H18	000589-43-5	60
2	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	53
3	2-Undecene, 6-methyl-, (Z)-	168	C12H24	074630-43-6	50
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	49
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	43

****

Peak Number 17 Cyclohexane, methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.58 ppbv	1153430	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	78
5	Furan, 2,5-dihydro-2,5-dimethyl-	98	C6H10O	059242-27-2	59

****

Peak Number 18 1-Heptene, 4-methyl- $$ 4-Meth Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	0.77 ppbv	343189	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 4-methyl- $$ 4-Methyl-1-	112	C8H16	013151-05-8	72
2	1-Hexene, 4-ethyl- $$ 4-Ethyl-1-hex	112	C8H16	016746-85-3	58
3	1-Hexene, 4,5-dimethyl- $$ 4,5-Dime	112	C8H16	016106-59-5	53
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50
5	Trifluoroacetic acid, 4-methylpenty	198	C8H13F3O2	000000-00-0	47

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 19 Hexane, 2,5-dimethyl- $$ Biiso Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	0.87 ppbv	390236	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	83
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	83
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	80
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	72
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	38

****

Peak Number 20 Heptane, 3-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	0.57 ppbv	254100	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	90
2	Heptane, 3-methyl- $$ 3-Methylhepta	114	C8H18	000589-81-1	72
3	Hexane, 2,4-dimethyl- $$ 2,4-Dimeth	114	C8H18	000589-43-5	52
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
5	Pyrrolidine, 3-methyl- $$ 3-Methylp	85	C5H11N	034375-89-8	43

****

Peak Number 21 Hexane, 2,2,5-trimethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	0.26 ppbv	115643	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
3	Hexane, 2,2,5-trimethyl- $$ 2,2,5-T	128	C9H20	003522-94-9	40
4	Azetidine	57	C3H7N	000503-29-7	9
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	9

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 22 Cyclohexane, 1,3-dimethyl-, ci Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	0.99 ppbv	442272	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis- $$	112	C8H16	000638-04-0	93
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87
3	Cyclohexane, 1,4-dimethyl-, cis- $$	112	C8H16	000624-29-3	83
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	83
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	81

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Peak Number 23 Octane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	1.43 ppbv	640330	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	87
2	Octane $$ n-Octane $$ n-C8H18 $$ Ok	114	C8H18	000111-65-9	83
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	64

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Peak Number 24 Cyclohexane, 1,4-dimethyl-, ci Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	0.32 ppbv	147424	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	86
3	Cyclohexane, 1,4-dimethyl-, cis- $$	112	C8H16	000624-29-3	86
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	83
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	80

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 25 Cyclohexane, ethyl- $$ Ethylcy Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	0.49 ppbv	222313	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl- $$ Ethylcyclohe	112	C8H16	001678-91-7	94
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90

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Peak Number 26 Cyclopentane, ethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	0.29 ppbv	131457	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	14
2	Cyclopentane, ethyl- $$ Ethylcyclop	98	C7H14	001640-89-7	10
3	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	10
4	1-Pentene, 3,3-dimethyl- $$ 3,3-Dim	98	C7H14	003404-73-7	9
5	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	9

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Peak Number 27 Hexane, 3-ethyl- $$ 3-Ethylhex Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	0.39 ppbv	176247	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl- $$ 3-Ethylhexane	114	C8H18	000619-99-8	64
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	56
3	Hexane, 2-nitro-	131	C6H13NO2	014255-44-8	50
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	42
5	Heptane, 2,3-dimethyl- $$ 2,3-Dimet	128	C9H20	003074-71-3	42

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 28 1-Hexene, 5,5-dimethyl- $$ 5,5 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	0.39 ppbv	179266	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 5,5-dimethyl- $$ 5,5-Dime	112	C8H16	007116-86-1	43
2	Undecane, 6-methyl- $$ 6-Methylunde	170	C12H26	017302-33-9	38
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	38
4	Octane, 3-methyl- $$ 3-Methyloctane	128	C9H20	002216-33-3	37
5	Heptane, 3-ethyl- $$ 3-Ethylheptane	128	C9H20	015869-80-4	35

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Peak Number 29 Benzene, 1,2-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	0.58 ppbv	264988	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dimethyl-	106	C8H10	000095-47-6	94
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	94
3	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	93
4	p-Xylene	106	C8H10	000106-42-3	93
5	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	89

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Peak Number 30 Cyclopentane, 1,1,3,4-tetramet Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	0.28 ppbv	125464	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3,4-tetramethyl-,	126	C9H18	053907-60-1	38
2	Cyclohexaneethanol	128	C8H16O	004442-79-9	27
3	Cyclohexaneethanol $$ .beta.-Cycloh	128	C8H16O	004442-79-9	27
4	4-Cyclohexyl-1-butanol $$ Cyclohexa	156	C10H20O	004441-57-0	25
5	trans-3-Decene	140	C10H20	019150-21-1	22

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 31 Pentane, 3-ethyl-2-methyl- $$ Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	0.29 ppbv	131545	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl- $$ 2-Met	114	C8H18	000609-26-7	38
2	1-Heptene, 4-methyl- $$ 4-Methyl-1-	112	C8H16	013151-05-8	36
3	1-Heptene, 5-methyl- $$ 5-Methyl-1-	112	C8H16	013151-04-7	33
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	25
5	2,4,6-Trimethyl-1-nonene	168	C12H24	055771-40-9	12

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Peak Number 32 3-Ethyl-3-methylheptane $$ Hep Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	0.29 ppbv	132999	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethyl-3-methylheptane $$ Heptane,	142	C10H22	017302-01-1	50
2	Nonadecane $$ n-Nonadecane	268	C19H40	000629-92-5	42
3	Octyl thioglycolate $$ Acetic acid,	204	C10H20O2S	007664-80-4	40
4	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	40
5	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	40

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Peak Number 33 Octane, 2,2,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	2.81 ppbv	1280270	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	59
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	53
3	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	53
4	Heptane, 2,2,4,6,6-pentamethyl- $$	170	C12H26	013475-82-6	50
5	2,2,6,6-Tetramethylheptane	156	C11H24	040117-45-1	50

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 34 Decane $$ n-Decane $$ n-C10H22 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	0.40 ppbv	182416	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane $$ n-Decane $$ n-C10H22 $$ U	142	C10H22	000124-18-5	93
2	Decane	142	C10H22	000124-18-5	70
3	Decane	142	C10H22	000124-18-5	64
4	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	53
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	53

****

Peak Number 35 Benzene, 1-ethyl-4-methyl- $$ Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	1.38 ppbv	630189	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl- $$ Tolue	120	C9H12	000622-96-8	53
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	53
3	Benzene, 1-ethyl-2-methyl- $$ Tolue	120	C9H12	000611-14-3	53
4	Benzene, 1-ethyl-3-methyl- $$ Tolue	120	C9H12	000620-14-4	53
5	Octane, 2-methyl-	128	C9H20	003221-61-2	45

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Peak Number 36 Heptadecane, 2,6-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	0.45 ppbv	206295	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	86
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
3	Dodecane, 2,6,11-trimethyl- $$ 2,6,	212	C15H32	031295-56-4	78
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 37 Dodecane, 2,2,11,11-tetramethy Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	7.66 ppbv	3488000	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	83
2	Tetradecane, 2,2-dimethyl-	226	C16H34	000000-00-0	72
3	Decane, 2,2,7-trimethyl-	184	C13H28	062237-99-4	72
4	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	64
5	2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	64

****

Peak Number 38 Heptane, 2,2,4,6,6-pentamethyl Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.74 ppbv	1247960	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	78
2	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	78
3	Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	72
4	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	72
5	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	72

****

Peak Number 39 Undecane, 2,5-dimethyl- $$ 2,5 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	1.23 ppbv	558281	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,5-dimethyl- $$ 2,5-Dime	184	C13H28	017301-22-3	53
2	2,2,4,4,-Tetramethyloctane	170	C12H26	062183-79-3	50
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
4	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	50
5	Dodecane, 6-methyl- $$ 6-Methyldode	184	C13H28	006044-71-9	47

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 40 Heneicosane $$ n-Heneicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	8.92 ppbv	4063200	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane $$ n-Heneicosane	296	C21H44	000629-94-7	56
2	Heptadecane $$ n-Heptadecane $$ Nor	240	C17H36	000629-78-7	56
3	Pentane, 2,3,3-trimethyl- $$ 2,3,3-	114	C8H18	000560-21-4	50
4	Heptadecane, 8-methyl- $$ 8-Methylh	254	C18H38	013287-23-5	50
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	50

****

Peak Number 41 Octane, 6-ethyl-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	1.45 ppbv	659222	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	50
2	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	47
3	Hexadecane	226	C16H34	000544-76-3	43
4	Octane, 2,2-dimethyl- $$ 2,2-Dimeth	142	C10H22	015869-87-1	38
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	30

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Peak Number 42 Decane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	1.48 ppbv	674903	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	64
2	Dodecane, 3-methyl- $$ 3-Methyldode	184	C13H28	017312-57-1	64
3	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	59
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	53
5	Dodecane, 2,6,11-trimethyl- $$ 2,6,	212	C15H32	031295-56-4	53

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 43 Hexane, 2,2,5-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	0.73 ppbv	334141	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	47
2	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	47
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	47
4	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	42
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	42

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Peak Number 44 Tetradecane, 2,2-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	10.05 ppbv	4576570	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2,2-dimethyl-	226	C16H34	000000-00-0	59
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	53
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	53
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	50
5	Pentane, 2,2,3,4-tetramethyl- $$ 2,	128	C9H20	001186-53-4	45

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Peak Number 45 Tridecane, 6-methyl- $$ 6-Meth Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	0.27 ppbv	121560	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl- $$ 6-Methyltri	198	C14H30	013287-21-3	32
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	32
3	Octane, 3,6-dimethyl- $$ 3,6-Dimeth	142	C10H22	015869-94-0	32
4	Octane, 4-ethyl- $$ 4-Ethyloctane	142	C10H22	015869-86-0	28
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	25

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 46 Dodecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	4.74 ppbv	2156250	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	56
2	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	50
3	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	47
4	Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	45
5	Decane, 3,3,5-trimethyl-	184	C13H28	062338-13-0	42

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Peak Number 47 Dodecane, 2,6,11-trimethyl- $$ Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.43	1.11 ppbv	504262	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl- $$ 2,6,	212	C15H32	031295-56-4	72
2	Dodecane, 2,6,10-trimethyl- $$ Farn	212	C15H32	003891-98-3	72
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53
4	Heptane, 3,3-dimethyl- $$ 3,3-Dimet	128	C9H20	004032-86-4	53
5	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	53

****

Peak Number 48 Decane, 2,4,6-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.55	0.96 ppbv	435705	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	64
2	Heptane, 2,2,3,4,6,6-hexamethyl-	184	C13H28	062108-32-1	59
3	Decane, 3-methyl- $$ 3-Methyldecane	156	C11H24	013151-34-3	47
4	Dodecane, 5-methyl- $$ 5-Methyldode	184	C13H28	017453-93-9	45
5	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	42

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 49 Octane, 2,3,6,7-tetramethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	1.20 ppbv	547982	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	53
2	2,3-Dimethyldecane	170	C12H26	017312-44-6	45
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	42
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	40
5	Decane, 3-methyl- $$ 3-Methyldecane	156	C11H24	013151-34-3	40

****

Peak Number 50 1-Methyl-9-chloro-acridine Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.24	0.26 ppbv	116880	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-9-chloro-acridine	227	C14H10ClN	000000-00-0	9
2	1,3,5-Triazin-2-amine, 4-azido-N-(1	225	C7H11N7S	004658-28-0	9
3	2-Bromo-6-chloro-4-fluoroaniline	223	C6H4BrClFN	000000-00-0	5
4	Phenanthrene, 9,10-dihydro-3-nitro-	225	C14H11NO2	018264-83-0	5
5	2,4-Dichloro-6-phenyl-1,3,5-triazin	225	C9H5Cl2N3	001700-02-3	5

Tentatively Identified Compound (LSC) summary

Operator ID: Michael Truchan Date Acquired: 18 Mar 2011 1:23 pm
Data File: C:\HPCHEM\1\DATA\031711\03171137.D
Name: 1103120-010A
Misc: SAMP EPA_TO15-ug/m3
Method: C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title: TO15 ppbv
Library Searched: C:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	5.36	35.2	ppbv	10380500	ISTD01	10.76	3685470	12.5
1-Propene, 2-methyl-	6.31	2.2	ppbv	653606	ISTD01	10.76	3685470	12.5
Acetaldehyde	6.63	2.3	ppbv	690439	ISTD01	10.76	3685470	12.5
Butane, 2-methyl-	7.19	2.7	ppbv	794269	ISTD01	10.76	3685470	12.5
Pentane $$ n-Pentane	7.56	1.1	ppbv	332367	ISTD01	10.76	3685470	12.5
Pentane, 2-methyl-	8.75	5.6	ppbv	1643980	ISTD01	10.76	3685470	12.5
Methylene Chloride $	8.92	0.6	ppbv	191174	ISTD01	10.76	3685470	12.5
Pentane, 3-methyl-	9.08	1.7	ppbv	488652	ISTD01	10.76	3685470	12.5
Formic acid, 2-prope	9.64	0.4	ppbv	126255	ISTD01	10.76	3685470	12.5
Pentane, 2,4-dimethy	10.00	1.3	ppbv	385788	ISTD01	10.76	3685470	12.5
Cyclopentane, methyl	10.21	1.7	ppbv	514379	ISTD01	10.76	3685470	12.5
Pentane, 2,3-dimethy	10.95	2.5	ppbv	737554	ISTD01	10.76	3685470	12.5
Pentane, 2,2,4-trime	11.35	3.2	ppbv	1428630	ISTD02	11.86	5584890	12.5
1-Butanol	11.93	0.4	ppbv	166931	ISTD02	11.86	5584890	12.5
Hexane, 2,5-dimethyl	12.20	0.3	ppbv	120404	ISTD02	11.86	5584890	12.5
Hexane, 2,4-dimethyl	12.28	0.5	ppbv	243106	ISTD02	11.86	5584890	12.5
Cyclohexane, methyl-	12.39	2.6	ppbv	1153430	ISTD02	11.86	5584890	12.5
1-Heptene, 4-methyl-	12.80	0.8	ppbv	343189	ISTD02	11.86	5584890	12.5
Hexane, 2,5-dimethyl	12.94	0.9	ppbv	390236	ISTD02	11.86	5584890	12.5
Heptane, 3-methyl-	13.15	0.6	ppbv	254100	ISTD02	11.86	5584890	12.5
Hexane, 2,2,5-trimet	13.34	0.3	ppbv	115643	ISTD02	11.86	5584890	12.5
Cyclohexane, 1,3-dim	13.58	1.0	ppbv	442272	ISTD02	11.86	5584890	12.5
Octane	13.67	1.4	ppbv	640330	ISTD02	11.86	5584890	12.5
Cyclohexane, 1,4-dim	14.07	0.3	ppbv	147424	ISTD03	15.71	5690990	12.5
Cyclohexane, ethyl-	14.83	0.5	ppbv	222313	ISTD03	15.71	5690990	12.5
Cyclopentane, ethyl-	14.89	0.3	ppbv	131457	ISTD03	15.71	5690990	12.5
Hexane, 3-ethyl- $$	14.95	0.4	ppbv	176247	ISTD03	15.71	5690990	12.5
1-Hexene, 5,5-dimeth	15.20	0.4	ppbv	179266	ISTD03	15.71	5690990	12.5
Benzene, 1,2-dimethy	16.55	0.6	ppbv	264988	ISTD03	15.71	5690990	12.5
Cyclopentane, 1,1,3,	16.76	0.3	ppbv	125464	ISTD03	15.71	5690990	12.5
Pentane, 3-ethyl-2-m	16.82	0.3	ppbv	131545	ISTD03	15.71	5690990	12.5
3-Ethyl-3-methylhept	16.93	0.3	ppbv	132999	ISTD03	15.71	5690990	12.5
Octane, 2,2,6-trimet	17.04	2.8	ppbv	1280270	ISTD03	15.71	5690990	12.5
Decane $$ n-Decane $	17.62	0.4	ppbv	182416	ISTD03	15.71	5690990	12.5
Benzene, 1-ethyl-4-m	17.74	1.4	ppbv	630189	ISTD03	15.71	5690990	12.5
Heptadecane, 2,6-dim	18.01	0.5	ppbv	206295	ISTD03	15.71	5690990	12.5
Dodecane, 2,2,11,11-	18.12	7.7	ppbv	3488000	ISTD03	15.71	5690990	12.5
Heptane, 2,2,4,6,6-p	18.34	2.7	ppbv	1247960	ISTD03	15.71	5690990	12.5
Undecane, 2,5-dimeth	18.51	1.2	ppbv	558281	ISTD03	15.71	5690990	12.5
Heneicosane $$ n-Hen	18.57	8.9	ppbv	4063200	ISTD03	15.71	5690990	12.5
Octane, 6-ethyl-2-me	18.69	1.4	ppbv	659222	ISTD03	15.71	5690990	12.5
Decane	18.77	1.5	ppbv	674903	ISTD03	15.71	5690990	12.5
Hexane, 2,2,5-trimet	18.85	0.7	ppbv	334141	ISTD03	15.71	5690990	12.5
Tetradecane, 2,2-dim	18.94	10.1	ppbv	4576570	ISTD03	15.71	5690990	12.5
Tridecane, 6-methyl-	19.12	0.3	ppbv	121560	ISTD03	15.71	5690990	12.5
Dodecane, 2,6,10-tri	19.28	4.7	ppbv	2156250	ISTD03	15.71	5690990	12.5
Dodecane, 2,6,11-tri	19.43	1.1	ppbv	504262	ISTD03	15.71	5690990	12.5
Decane, 2,4,6-trimet	19.55	1.0	ppbv	435705	ISTD03	15.71	5690990	12.5
Octane, 2,3,6,7-tetr	19.64	1.2	ppbv	547982	ISTD03	15.71	5690990	12.5
1-Methyl-9-chloro-ac	23.24	0.3	ppbv	116880	ISTD03	15.71	5690990	12.5

03171137.D 031611V1.M Wed Apr 13 15:49:28 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171138.D Vial: 2
Acq On : 18 Mar 2011 2:04 pm Operator: Michael Truchan
Sample : TO15 RLVS 20cc voa092310d Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:05 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	670528	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2519536	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1759374	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1086598	12.32	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 98.56%				
Target Compounds							Qvalue
2) Propylene	5.68	41	103775	2.06	ppbv		92
3) Dichlorodifluoromethane	5.76	85	179288	1.09	ppbv		98
4) 1,2-Dichloro-1,2,2,2-tetra	6.01	135	141116	1.16	ppbv		98
5) Chloromethane	6.17	50	58501	1.03	ppbv	#	96
6) Vinyl chloride	6.38	62	61272	0.95	ppbv	#	98
7) 1,3-Butadiene	6.44	39	66896	1.32	ppbv		97
8) Bromomethane	7.02	94	66278	1.12	ppbv	#	97
9) Chloroethane	7.17	64	36143	1.05	ppbv	#	97
10) Trichlorofluoromethane	7.51	101	177537	1.13	ppbv		99
11) Ethanol	7.73	45	9469	0.85	ppbv	#	87
12) Freon113	8.17	101	146755	1.16	ppbv		99
13) 1,1-Dichloroethene	8.27	61	107857	1.16	ppbv		96
14) Acetone	8.36	43	107581	1.30	ppbv	#	97
15) Carbon disulfide	8.64	76	192235	1.16	ppbv	#	99
16) 2-Propanol	8.41	45	53535	0.90	ppbv	#	38
17) Methylene chloride	8.93	49	83035	1.23	ppbv		96
18) tert-Butyl Methyl Ether	9.13	73	223319	1.46	ppbv		98
19) trans-1,2-Dichloroethene	9.21	61	103345	1.18	ppbv		95
20) n-Hexane	9.40	57	133361	1.36	ppbv		96
21) 1,1-Dichloroethane	9.77	63	127462	1.19	ppbv		99
22) Vinyl acetate	9.70	43	139353	1.27	ppbv		98
23) cis-1,2-Dichloroethene	10.45	96	73868	1.20	ppbv		97
24) 2-Butanone	10.42	43	109053	1.28	ppbv		92
25) Ethyl acetate	10.37	43	121092	1.14	ppbv	#	99
26) Tetrahydrofuran	10.76	42	59715	1.07	ppbv		98
27) Chloroform	10.78	83	140578	1.20	ppbv		99
28) 1,1,1-Trichloroethane	11.03	97	143677	1.19	ppbv		99
29) Cyclohexane	11.04	56	131320	1.32	ppbv		96
30) Carbon tetrachloride	11.19	117	141207	1.17	ppbv		98
31) Benzene	11.47	78	236635	1.43	ppbv		99
32) 1,2-Dichloroethane	11.55	62	85806	1.29	ppbv		97
34) Heptane	11.52	43	157213	1.29	ppbv		95
35) Trichloroethene	12.20	130	100146	1.17	ppbv		98
36) 1,2-Dichloropropane	12.56	63	72526	1.20	ppbv		99
37) 1,4-Dioxane	12.64	88	23988	0.99	ppbv		100
38) Bromodichloromethane	12.84	83	136046	1.15	ppbv		97
39) cis-1,3-Dichloropropene	13.39	75	105206	1.13	ppbv		98
40) 4-Methyl-2-pentanone	13.51	58	28109	1.01	ppbv		99
41) Toluene	13.80	91	263997	1.39	ppbv		97
42) trans-1,3-Dichloropropene	14.10	75	81344	1.05	ppbv		99
43) 1,1,2-Trichloroethane	14.38	97	74436	1.20	ppbv		99
44) Tetrachloroethene	14.51	166	127338	1.21	ppbv		99
45) 2-Hexanone	14.58	43	39307	0.97	ppbv		99
46) Chlorodibromomethane	14.92	129	120187	1.16	ppbv		100
47) 1,2-Dibromoethane	15.16	107	106215	1.18	ppbv		100
49) Chlorobenzene	15.76	112	154441	1.25	ppbv	#	89
50) Ethylbenzene	15.80	91	283253	1.38	ppbv		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171138.D Vial: 2
Acq On : 18 Mar 2011 2:04 pm Operator: Michael Truchan
Sample : TO15 RLVS 20cc voa092310d Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:05 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

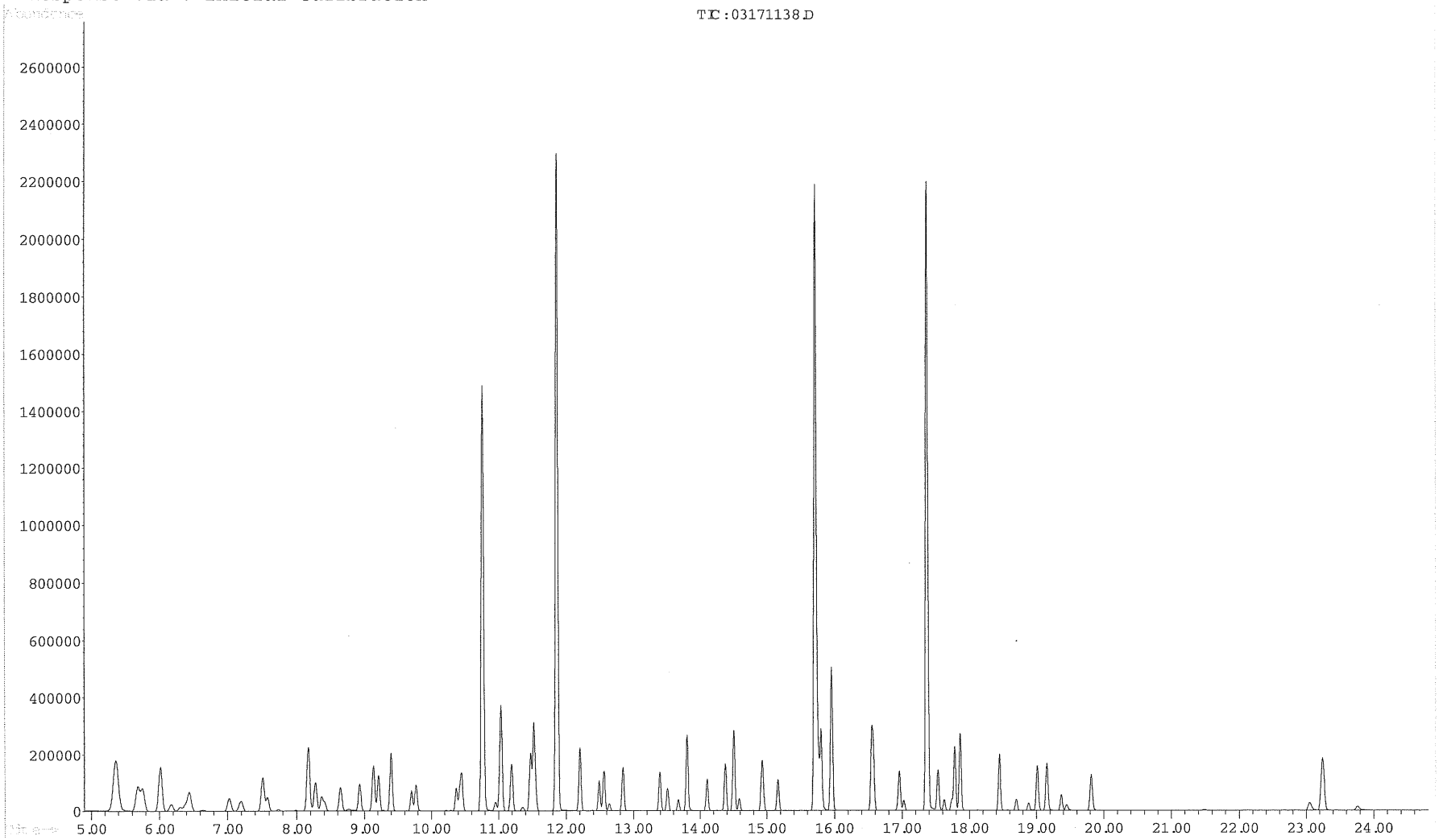
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	m,p-Xylene	15.95	91	418687	2.64	ppbv		94
52)	o-Xylene	16.55	91	216301	1.40	ppbv		96
53)	Styrene	16.57	104	124734	1.18	ppbv		96
54)	Bromoform	16.96	173	100801	1.14	ppbv		99
56)	1,1,2,2-Tetrachloroethane	17.53	83	101989	1.17	ppbv		99
57)	4-Ethyltoluene	17.78	105	251496	1.36	ppbv		98
58)	1,3,5-Trimethylbenzene	17.86	105	213627	1.41	ppbv		96
59)	1,2,4-Trimethylbenzene	18.44	105	167551	1.23	ppbv		99
60)	1,3-Dichlorobenzene	19.01	146	113939	1.21	ppbv		96
61)	1,4-Dichlorobenzene	19.16	146	108330	1.20	ppbv		97
62)	Benzyl chloride	19.37	91	69914	1.18	ppbv		100
63)	1,2-Dichlorobenzene	19.81	146	97239	1.19	ppbv		97
64)	1,2,4-Trichlorobenzene	23.05	180	31310	0.67	ppbv		96
65)	Hexachlorobutadiene	23.25	225	100549	1.24	ppbv		99
66)	Naphthalene	23.76	128	42108	0.74	ppbv	#	91

(#) = qualifier out of range (m) = manual integration
03171138.D 031611V1.M Wed Apr 13 10:17:44 2011 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171138.D Vial: 2
Acq On : 18 Mar 2011 2:04 pm Operator: Michael Truchan
Sample : TO15 RLVS 20cc voa092310d Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:05 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration



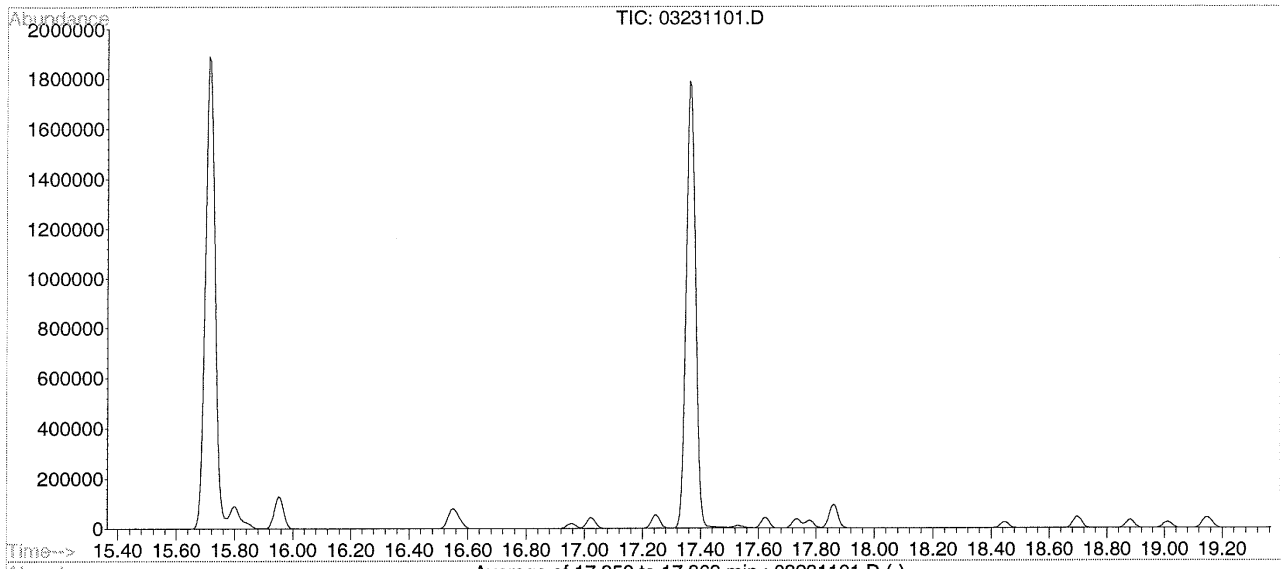
Injection Log

Directory: C:\HPCHEM\1\DATA\032311

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	03231101.d	1.	BFB 50cc voa020211c	ical EPA_TO15	23 Mar 2011 09:18
2	2	03231102.d	1.	TO15 CCV 40cc voa010711a	CCV EPA_TO15	23 Mar 2011 10:00
3	2	03231103.d	1.	TO15 RLVS 20cc voa092310d	RLVS EPA_TO15	23 Mar 2011 10:43
4	3	03231104.d	1.	APH CCV 150cc voa020211b	RLVS EPA_TO15	23 Mar 2011 11:26
5	4	03231105.d	1.	APH RLVS 20cc voa020211a	RLVS EPA_TO15	23 Mar 2011 12:08
6	11	03231106.d	40.	MBLK	MBLK EPA_TO15-ug/m3	23 Mar 2011 15:19
7	12	03231107.d	40.	CLEAN CHECK NEW BOTTLE VAC	MBLK EPA_TO15-ug/m3	23 Mar 2011 16:50
8	13	03231108.d	80000.	1103120-013A	SAMP EPA_TO15-ug/m3	23 Mar 2011 17:41
9	14	03231109.d	16000.	1103120-013A	SAMP EPA_TO15-ug/m3	23 Mar 2011 18:23
10	15	03231110.d	160000.	1103120-002A	SAMP EPA_TO15-ug/m3	23 Mar 2011 19:03
11	16	03231111.d	160000.	1103120-003A	SAMP EPA_TO15-ug/m3	23 Mar 2011 19:45
12	17	03231112.d	16000.	1103120-015A	SAMP EPA_TO15-ug/m3	23 Mar 2011 20:27
13	18	03231113.d	160000.	1103120-009A	SAMP EPA_TO15-ug/m3	23 Mar 2011 21:09
14	19	03231114.d	400.	1103120-004A	SAMP EPA_TO15-ug/m3	23 Mar 2011 21:54
15	20	03231115.d	400.	1103120-005A	SAMP EPA_TO15-ug/m3	23 Mar 2011 22:39
16	21	03231116.d	400.	1103120-006A	SAMP EPA_TO15-ug/m3	23 Mar 2011 23:24
17	22	03231117.d	800.	1103120-007A	SAMP EPA_TO15-ug/m3	24 Mar 2011 00:08
18	23	03231118.d	800.	1103120-008A	SAMP EPA_TO15-ug/m3	24 Mar 2011 00:53
19	24	03231119.d	800.	1103120-011A	SAMP EPA_TO15-ug/m3	24 Mar 2011 01:38
20	25	03231120.d	800.	1103120-012A	SAMP EPA_TO15-ug/m3	24 Mar 2011 02:23
21	26	03231121.d	800.	1103120-014A	SAMP EPA_TO15-ug/m3	24 Mar 2011 03:08
22	27	03231122.d	800.	1103120-014ADUP	SAMP EPA_TO15-ug/m3	24 Mar 2011 03:56
23	2	03231123.d	1.	TO15 RLVS 20cc voa092310d	RLVS EPA_TO15	24 Mar 2011 04:43
24	4	03231124.d	1.	APH RLVS 20cc voa020211a	RLVS EPA_TO15	24 Mar 2011 05:25
25	2	03231125.d	1.	TO15 RLVS 20cc voa092310d	RLVS EPA_TO15	24 Mar 2011 07:37

BFB Tune Check (TO-15)

Data File : C:\HPCHEM\1\DATA\032311\03231101.D Vial: 1
Acq On : 23 Mar 2011 9:18 am Operator: Michael Truchan
Sample : BFB 50cc voa020211c Inst : GC/MS Ins
Misc : ical EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Method : C:\HPCHEM\1\METHODS\040911V1.M (RTE Integrator)
Title : Mass. APH ug/m3



Spectrum Information: Average of 17.359 to 17.369 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.2	63056	PASS
75	95	30	60	45.5	166976	PASS
95	95	100	100	100.0	367296	PASS
96	95	5	9	6.8	25069	PASS
173	174	0.00	2	0.2	649	PASS
174	95	50	120	86.9	319189	PASS
175	174	4	9	7.3	23371	PASS
176	174	93	101	98.0	312811	PASS
177	176	5	9	6.7	21109	PASS

03231101.D 040911V1.M Wed Apr 13 18:16:09 2011

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\032311\03231102.D Vial: 2
Acq On : 23 Mar 2011 10:00 am Operator: Michael Truchan
Sample : TO15 CCV 40cc voa010711a Inst : GC/MS Ins
Misc : CCV EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	80	0.00
2	T	Propylene	0.937	1.118	-19.3	101	-0.03
3	T	Dichlorodifluoromethane	3.080	3.367	-9.3	92	-0.02
4	T	1,2-Dichloro-1,2,2,2-tetraf	2.266	2.395	-5.7	89	-0.02
5	T	Chloromethane	1.061	1.390	-31.0#	112	-0.01
6	T	Vinyl chloride	1.201	1.363	-13.5	93	-0.01
7	T	1,3-Butadiene	0.945	1.044	-10.5	93	-0.01
8	T	Bromomethane	1.100	0.774	29.6	59	-0.02
9	T	Chloroethane	0.640	0.580	9.4	76	0.00
10	T	Trichlorofluoromethane	2.939	3.133	-6.6	90	0.00
11	T	Ethanol	0.208	0.233	-12.0	99	0.00
12	T	Freon113	2.361	2.520	-6.7	89	0.00
13	T	1,1-Dichloroethene	1.731	1.684	2.7	81	-0.01
14	T	Acetone	1.541	1.255	18.6	73	0.00
15	T	Carbon disulfide	3.087	3.138	-1.7	86	0.00
16	T	2-Propanol	1.109	1.125	-1.4	87	0.00
17	T	Methylene chloride	1.259	1.226	2.6	83	0.00
18	T	tert-Butyl Methyl Ether	2.858	2.458	14.0	78	0.00
19	T	trans-1,2-Dichloroethene	1.630	1.672	-2.6	86	0.00
20	T	n-Hexane	1.825	1.728	5.3	80	0.00
21	T	1,1-Dichloroethane	2.005	2.149	-7.2	91	0.00
22	T	Vinyl acetate	2.051	1.709	16.7	74	0.00
23	T	cis-1,2-Dichloroethene	1.146	1.194	-4.2	88	0.00
24	T	2-Butanone	1.589	1.414	11.0	83	0.00
25	T	Ethyl acetate	1.982	1.704	14.0	78	0.00
26	T	Tetrahydrofuran	1.042	1.006	3.5	83	0.00
27	T	Chloroform	2.179	2.176	0.1	85	0.00
28	T	1,1,1-Trichloroethane	2.251	2.241	0.4	84	0.00
29	T	Cyclohexane	1.848	1.878	-1.6	86	0.00
30	T	Carbon tetrachloride	2.254	2.330	-3.4	87	0.00
31	T	Benzene	3.090	2.993	3.1	86	0.00
32	T	1,2-Dichloroethane	1.244	1.171	5.9	82	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	80	0.00
34	T	Heptane	0.604	0.580	4.0	83	0.00
35	T	Trichloroethene	0.426	0.627	-47.2#	128	0.00
36	T	1,2-Dichloropropane	0.301	0.276	8.3	80	0.00
37	T	1,4-Dioxane	0.120	0.088	26.7	64	0.00
38	T	Bromodichloromethane	0.589	0.585	0.7	85	0.00
39	T	cis-1,3-Dichloropropene	0.463	0.441	4.8	83	0.00
40	T	4-Methyl-2-pentanone	0.138	0.142	-2.9	89	0.00
41	T	Toluene	0.942	0.912	3.2	87	0.00
42	T	trans-1,3-Dichloropropene	0.383	0.351	8.4	80	0.00
43	T	1,1,2-Trichloroethane	0.307	0.272	11.4	78	0.00
44	T	Tetrachloroethene	0.522	0.519	0.6	86	0.00
45	T	2-Hexanone	0.201	0.240	-19.4	95	0.00
46	T	Chlorodibromomethane	0.515	0.484	6.0	81	0.00
47	T	1,2-Dibromoethane	0.447	0.366	18.1	71	0.00
48	I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
49	T	Chlorobenzene	0.879	0.747	15.0	79	0.00
50	T	Ethylbenzene	1.453	1.340	7.8	88	0.00
51	T	m,p-Xylene	1.125	0.986	12.4	82	0.00
52	T	o-Xylene	1.096	0.990	9.7	86	0.00
53	T	Styrene	0.752	0.696	7.4	85	0.00

(#) = Out of Range
03231102.D 031611V1.M Wed Apr 13 18:16:48 2011 Page 1

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\032311\03231102.D Vial: 2
Acq On : 23 Mar 2011 10:00 am Operator: Michael Truchan
Sample : TO15 CCV 40cc voa010711a Inst : GC/MS Ins
Misc : CCV EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	T	Bromoform	0.631	0.548	13.2	80	0.00
55	S	4-Bromofluorobenzene	0.627	0.638	-1.8	85	0.00
56	T	1,1,2,2-Tetrachloroethane	0.621	0.214	65.5#	32#	0.00
57	T	4-Ethyltoluene	1.309	1.053	19.6	78	0.00
58	T	1,3,5-Trimethylbenzene	1.080	0.879	18.6	79	0.00
59	T	1,2,4-Trimethylbenzene	0.965	0.763	20.9	75	0.00
60	T	1,3-Dichlorobenzene	0.671	0.548	18.3	77	0.00
61	T	1,4-Dichlorobenzene	0.642	0.536	16.5	78	0.00
62	T	Benzyl chloride	0.420	0.172	59.0#	39#	0.00
63	T	1,2-Dichlorobenzene	0.580	0.469	19.1	77	0.00
64	T	1,2,4-Trichlorobenzene	0.330	0.201	39.1#	52	0.00
65	T	Hexachlorobutadiene	0.578	0.377	34.8#	60	0.00
66		Naphthalene	0.402	0.243	39.6#	53	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231102.D Vial: 2
Acq On : 23 Mar 2011 10:00 am Operator: Michael Truchan
Sample : TO15 CCV 40cc voa010711a Inst : GC/MS Ins
Misc : CCV EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 23 11:25 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	607142	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.85	114	2156154	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1589234	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1013352	12.72	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 101.76%				
Target Compounds							Qvalue
2) Propylene	5.65	41	553674	12.17	ppbv		99
3) Dichlorodifluoromethane	5.73	85	1504395	10.06	ppbv		100
4) 1,2-Dichloro-1,2,2,2-tetra	5.99	135	1105063	10.04	ppbv		93
5) Chloromethane	6.16	50	641524	12.44	ppbv		99
6) Vinyl chloride	6.37	62	622189	10.67	ppbv		99
7) 1,3-Butadiene	6.42	39	497062	10.83	ppbv		97
8) Bromomethane	7.01	94	349759	6.55	ppbv		99
9) Chloroethane	7.16	64	259105	8.34	ppbv		99
10) Trichlorofluoromethane	7.50	101	1460999	10.23	ppbv		99
11) Ethanol	7.72	45	104264	10.33	ppbv		99
12) Freon113	8.16	101	1199338	10.46	ppbv		96
13) 1,1-Dichloroethene	8.26	61	809640	9.63	ppbv		95
14) Acetone	8.35	43	609642	8.15	ppbv		97
15) Carbon disulfide	8.63	76	1478218	9.86	ppbv	#	100
16) 2-Propanol	8.39	45	551932	10.24	ppbv		87
17) Methylene chloride	8.91	49	595533	9.74	ppbv		94
18) tert-Butyl Methyl Ether	9.12	73	1182070	8.51	ppbv		99
19) trans-1,2-Dichloroethene	9.20	61	796022	10.06	ppbv		95
20) n-Hexane	9.39	57	847830	9.56	ppbv		98
21) 1,1-Dichloroethane	9.76	63	1012383	10.40	ppbv		99
22) Vinyl acetate	9.69	43	821826	8.25	ppbv		98
23) cis-1,2-Dichloroethene	10.45	96	568508	10.21	ppbv		95
24) 2-Butanone	10.42	43	679977	8.81	ppbv		95
25) Ethyl acetate	10.36	43	811199	8.43	ppbv	#	100
26) Tetrahydrofuran	10.75	42	488539	9.66	ppbv		96
27) Chloroform	10.77	83	1035612	9.79	ppbv		100
28) 1,1,1-Trichloroethane	11.02	97	1045092	9.56	ppbv		99
29) Cyclohexane	11.03	56	894134	9.96	ppbv		96
30) Carbon tetrachloride	11.18	117	1075065	9.82	ppbv		99
31) Benzene	11.47	78	1395486	9.30	ppbv		99
32) 1,2-Dichloroethane	11.55	62	551740	9.13	ppbv		99
34) Heptane	11.51	43	991201	9.52	ppbv		97
35) Trichloroethene	12.20	130	1038651	14.13	ppbv		97
36) 1,2-Dichloropropane	12.55	63	466088	8.98	ppbv		100
37) 1,4-Dioxane	12.63	88	146438	7.09	ppbv		97
38) Bromodichloromethane	12.84	83	968453	9.53	ppbv		99
39) cis-1,3-Dichloropropene	13.39	75	722366	9.05	ppbv		98
40) 4-Methyl-2-pentanone	13.50	58	244334	10.30	ppbv		98
41) Toluene	13.80	91	1541760	9.49	ppbv		99
42) trans-1,3-Dichloropropene	14.10	75	551373	8.34	ppbv		97
43) 1,1,2-Trichloroethane	14.37	97	459739	8.69	ppbv		98
44) Tetrachloroethene	14.50	166	859452	9.54	ppbv		100
45) 2-Hexanone	14.58	43	405421	11.67	ppbv		99
46) Chlorodibromomethane	14.92	129	818749	9.22	ppbv		100
47) 1,2-Dibromoethane	15.16	107	606294	7.86	ppbv		99
49) Chlorobenzene	15.76	112	940224	8.41	ppbv		94
50) Ethylbenzene	15.80	91	1669950	9.04	ppbv		97

(#) = qualifier out of range (m) = manual integration
03231102.D 031611V1.M Wed Apr 13 18:17:02 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231102.D Vial: 2
Acq On : 23 Mar 2011 10:00 am Operator: Michael Truchan
Sample : TO15 CCV 40cc voa010711a Inst : GC/MS Ins
Misc : CCV EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 23 11:25 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

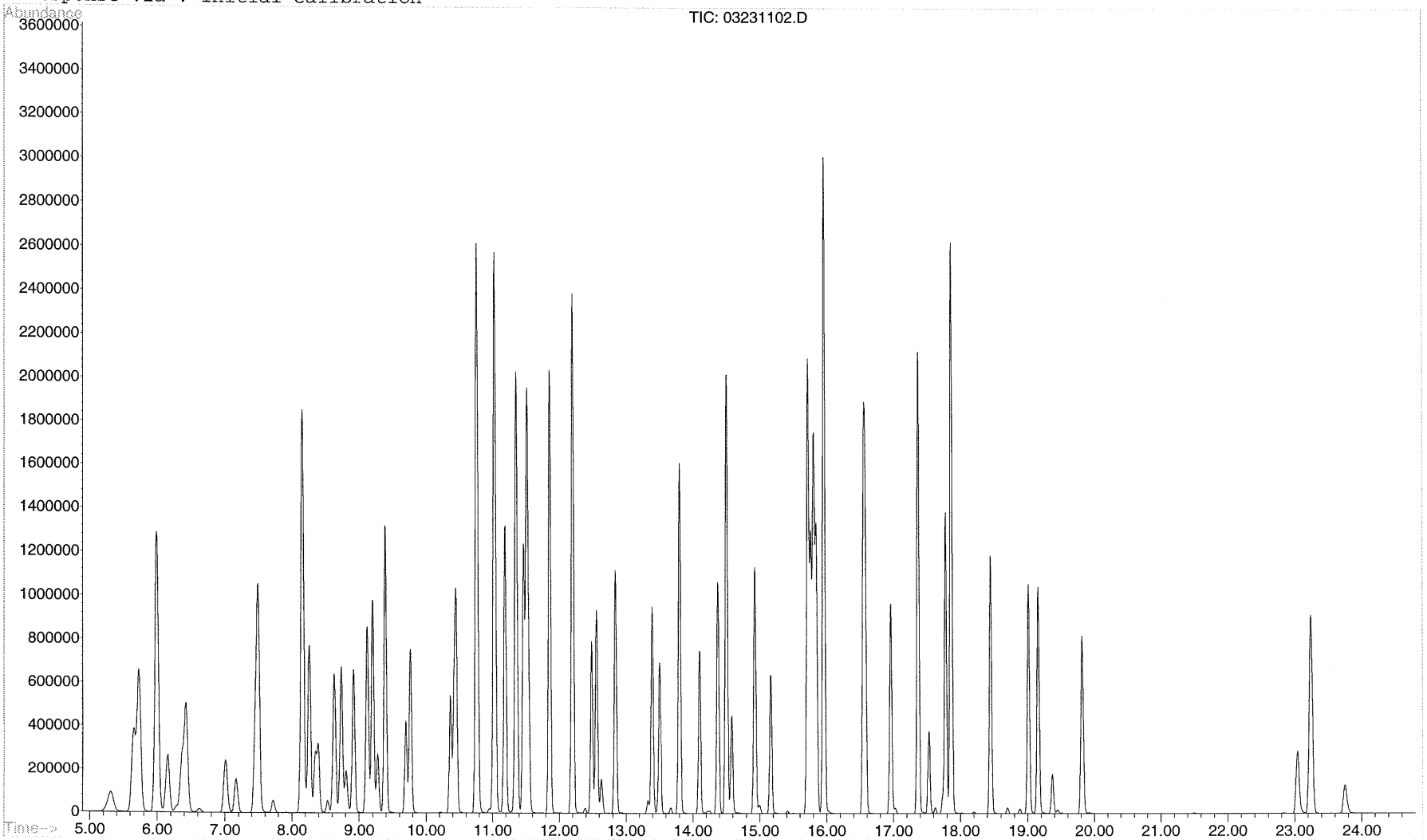
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	m,p-Xylene	15.95	91	2405983	16.82	ppbv		96
52)	o-Xylene	16.55	91	1258367	9.03	ppbv		96
53)	Styrene	16.57	104	867567	9.07	ppbv		99
54)	Bromoform	16.96	173	669182	8.35	ppbv		99
56)	1,1,2,2-Tetrachloroethane	17.53	83	272224	3.45	ppbv		99
57)	4-Ethyltoluene	17.78	105	1312370	7.88	ppbv		97
58)	1,3,5-Trimethylbenzene	17.86	105	1083642	7.89	ppbv	#	55
59)	1,2,4-Trimethylbenzene	18.44	105	951236	7.76	ppbv		97
60)	1,3-Dichlorobenzene	19.01	146	676004	7.92	ppbv		99
61)	1,4-Dichlorobenzene	19.16	146	654184	8.02	ppbv		98
62)	Benzyl chloride	19.37	91	211868	3.97	ppbv		98
63)	1,2-Dichlorobenzene	19.81	146	578401	7.85	ppbv		99
64)	1,2,4-Trichlorobenzene	23.04	180	232033	5.52	ppbv		98
65)	Hexachlorobutadiene	23.25	225	451034	6.14	ppbv		99
66)	Naphthalene	23.75	128	283862	5.56	ppbv		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\032311\03231102.D Vial: 2
Acq On : 23 Mar 2011 10:00 am Operator: Michael Truchan
Sample : TO15 CCV 40cc voa010711a Inst : GC/MS Ins
Misc : CCV EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 23 11:25 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231103.D Vial: 2
Acq On : 23 Mar 2011 10:43 am Operator: Michael Truchan
Sample : TO15 RLVS 20cc voa092310d Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 23 12:08 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	624855	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.85	114	2276362	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1591606	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1003934	12.59	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 100.72%				
Target Compounds							Qvalue
2) Propylene	5.66	41	87854	1.88	ppbv		92
3) Dichlorodifluoromethane	5.73	85	168810	1.10	ppbv		99
4) 1,2-Dichloro-1,2,2,2-tetra	5.99	135	126397	1.12	ppbv		94
5) Chloromethane	6.15	50	63435	1.20	ppbv	#	96
6) Vinyl chloride	6.37	62	63074	1.05	ppbv	#	99
7) 1,3-Butadiene	6.42	39	63688	1.35	ppbv		97
8) Bromomethane	7.01	94	59077	1.07	ppbv		99
9) Chloroethane	7.16	64	34101	1.07	ppbv	#	88
10) Trichlorofluoromethane	7.49	101	169378	1.15	ppbv		99
11) Ethanol	7.73	45	15420	1.48	ppbv		96
12) Freon113	8.15	101	137536	1.17	ppbv		97
13) 1,1-Dichloroethene	8.26	61	102797	1.19	ppbv		94
14) Acetone	8.36	43	97554	1.27	ppbv	#	95
15) Carbon disulfide	8.63	76	181199	1.17	ppbv	#	99
16) 2-Propanol	8.40	45	65843	1.19	ppbv	#	1
17) Methylene chloride	8.92	49	80669	1.28	ppbv		93
18) tert-Butyl Methyl Ether	9.13	73	180153	1.26	ppbv		98
19) trans-1,2-Dichloroethene	9.20	61	97462	1.20	ppbv		94
20) n-Hexane	9.39	57	122338	1.34	ppbv	#	96
21) 1,1-Dichloroethane	9.76	63	118516	1.18	ppbv		98
22) Vinyl acetate	9.70	43	107919	1.05	ppbv		97
23) cis-1,2-Dichloroethene	10.45	96	67363	1.18	ppbv		94
24) 2-Butanone	10.42	43	90302	1.14	ppbv		93
25) Ethyl acetate	10.36	43	106324	1.07	ppbv	#	99
26) Tetrahydrofuran	10.76	42	57148	1.10	ppbv		96
27) Chloroform	10.77	83	127799	1.17	ppbv		99
28) 1,1,1-Trichloroethane	11.02	97	130035	1.16	ppbv		98
29) Cyclohexane	11.03	56	123677	1.34	ppbv		94
30) Carbon tetrachloride	11.19	117	128878	1.14	ppbv		98
31) Benzene	11.47	78	198308	1.28	ppbv		99
32) 1,2-Dichloroethane	11.54	62	72349	1.16	ppbv		97
34) Heptane	11.51	43	139726	1.27	ppbv		94
35) Trichloroethene	12.20	130	88717	1.14	ppbv		96
36) 1,2-Dichloropropane	12.56	63	58842	1.07	ppbv		99
37) 1,4-Dioxane	12.64	88	27300	1.25	ppbv		99
38) Bromodichloromethane	12.84	83	113940	1.06	ppbv		98
39) cis-1,3-Dichloropropene	13.39	75	84734	1.01	ppbv		97
40) 4-Methyl-2-pentanone	13.51	58	26306	1.05	ppbv		97
41) Toluene	13.80	91	210701	1.23	ppbv		97
42) trans-1,3-Dichloropropene	14.10	75	66842	0.96	ppbv		96
43) 1,1,2-Trichloroethane	14.38	97	58828	1.05	ppbv		98
44) Tetrachloroethene	14.51	166	105447	1.11	ppbv		98
45) 2-Hexanone	14.58	43	51330	1.40	ppbv		95
46) Chlorodibromomethane	14.92	129	96351	1.03	ppbv		99
47) 1,2-Dibromoethane	15.16	107	83811	1.03	ppbv		99
49) Chlorobenzene	15.76	112	120439	1.08	ppbv	#	81
50) Ethylbenzene	15.80	91	229352	1.24	ppbv		92

(#) = qualifier out of range (m) = manual integration
03231103.D 031611V1.M Wed Apr 13 18:17:14 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231103.D Vial: 2
Acq On : 23 Mar 2011 10:43 am Operator: Michael Truchan
Sample : TO15 RLVS 20cc voa092310d Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 23 12:08 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

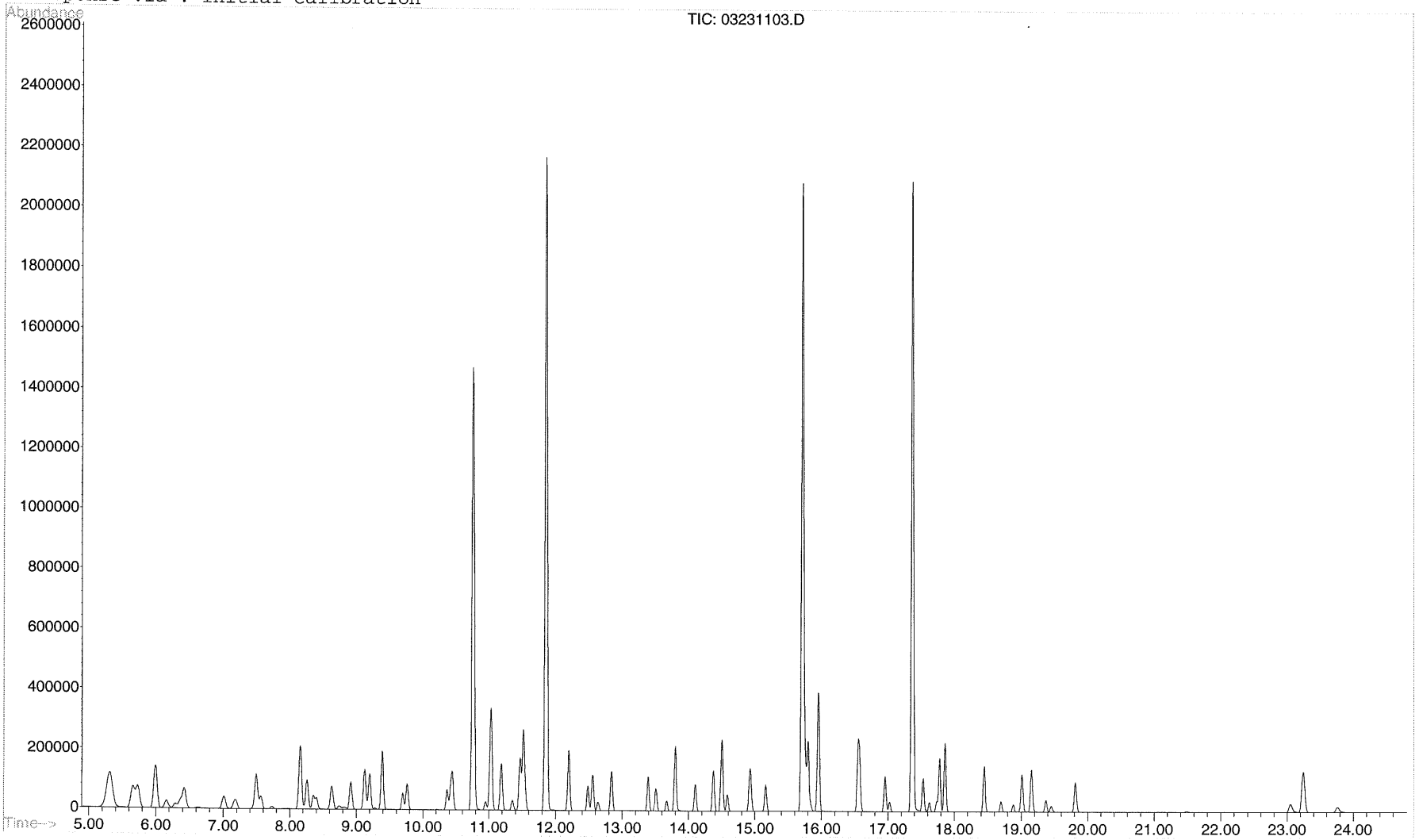
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	m,p-Xylene	15.95	91	332093	2.32	ppbv		93
52)	o-Xylene	16.55	91	172415	1.24	ppbv		96
53)	Styrene	16.58	104	99206	1.04	ppbv		95
54)	Bromoform	16.95	173	81943	1.02	ppbv		100
56)	1,1,2,2-Tetrachloroethane	17.53	83	78623	0.99	ppbv		99
57)	4-Ethyltoluene	17.78	105	196904	1.18	ppbv		97
58)	1,3,5-Trimethylbenzene	17.86	105	167887	1.22	ppbv		91
59)	1,2,4-Trimethylbenzene	18.44	105	126192	1.03	ppbv		97
60)	1,3-Dichlorobenzene	19.01	146	88563	1.04	ppbv		98
61)	1,4-Dichlorobenzene	19.16	146	85812	1.05	ppbv		98
62)	Benzyl chloride	19.37	91	52186	0.98	ppbv		97
63)	1,2-Dichlorobenzene	19.81	146	74358	1.01	ppbv		98
64)	1,2,4-Trichlorobenzene	23.04	180	31423	0.75	ppbv	#	94
65)	Hexachlorobutadiene	23.25	225	74032	1.01	ppbv		98
66)	Naphthalene	23.76	128	50840	0.99	ppbv	#	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\032311\03231103.D Vial: 2
Acq On : 23 Mar 2011 10:43 am Operator: Michael Truchan
Sample : TO15 RLVS 20cc voa092310d Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 23 12:08 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231106.D Vial: 11
Acq On : 23 Mar 2011 3:19 pm Operator: Michael Truchan
Sample : MBLK Inst : GC/MS Ins
Misc : MBLK EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 28 15:11 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

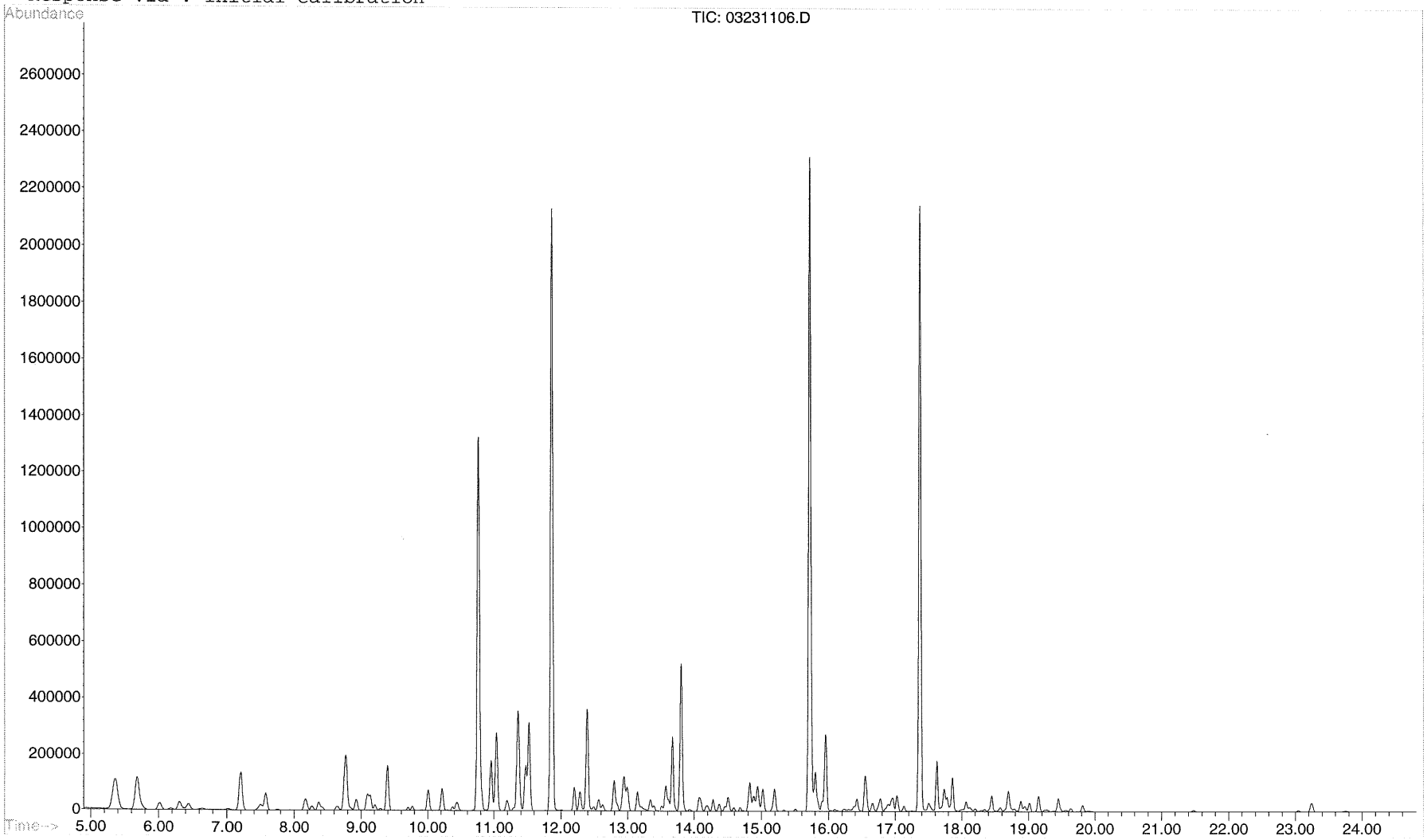
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	626247	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2263129	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1608496	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1024843	12.71	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 101.68%				
Target Compounds							Qvalue
2) Propylene	5.68	41	90308	1.92	ppbv	#	67
11) Ethanol	7.75	45	5934	0.57	ppbv	#	74
14) Acetone	8.37	43	61183	0.79	ppbv	#	97
20) n-Hexane	9.39	57	104399	1.14	ppbv		95
29) Cyclohexane	11.03	56	126889	1.37	ppbv	#	81
31) Benzene	11.47	78	154740	1.00	ppbv		98
34) Heptane	11.52	43	153384	1.40	ppbv	#	93
41) Toluene	13.80	91	496479	2.91	ppbv		98
50) Ethylbenzene	15.80	91	132556	0.71	ppbv		94
51) m,p-Xylene	15.95	91	213093	1.47	ppbv		93
52) o-Xylene	16.55	91	99833	0.71	ppbv	#	90

(#) = qualifier out of range (m) = manual integration
03231106.D 031611V1.M Wed Apr 13 18:17:34 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\032311\03231106.D Vial: 11
Acq On : 23 Mar 2011 3:19 pm Operator: Michael Truchan
Sample : MBLK Inst : GC/MS Ins
Misc : MBLK EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 28 15:11 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231109.D Vial: 14
Acq On : 23 Mar 2011 6:23 pm Operator: Michael Truchan
Sample : 1103120-013A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: CLME.P
Quant Time: Mar 23 19:46 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

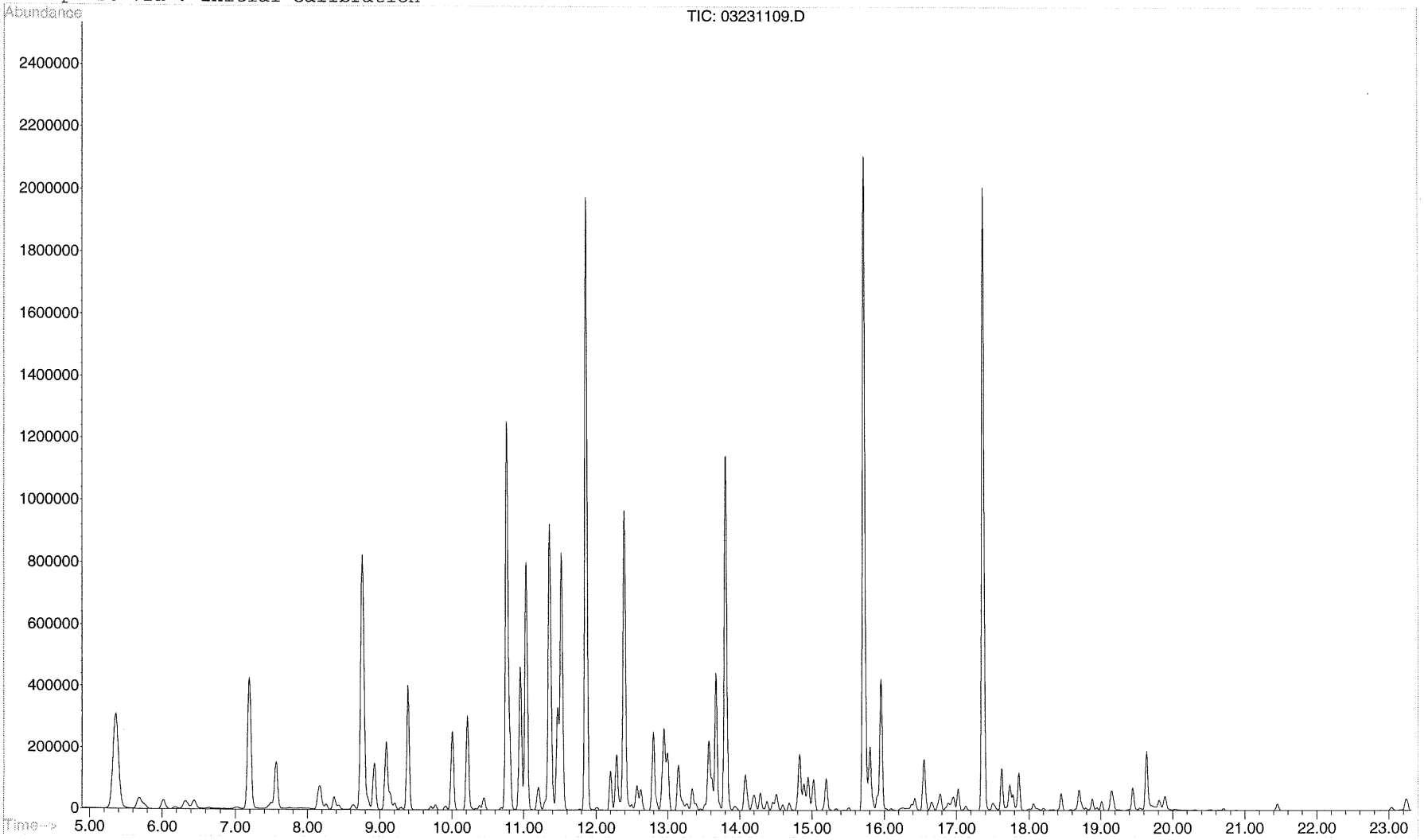
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	570284	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2058448	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1444364	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	953956	13.18	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 105.44%				
Target Compounds							Qvalue
2) Propylene	5.68	41	36399	0.85	ppbv		88
7) 1,3-Butadiene	6.44	39	25465	0.59	ppbv		94
11) Ethanol	7.75	45	5110	0.54	ppbv	#	52
14) Acetone	8.37	43	82212	1.17	ppbv	#	96
16) 2-Propanol	8.43	45	26043	0.51	ppbv	#	1
17) Methylene chloride	8.92	49	84633	1.47	ppbv		93
18) tert-Butyl Methyl Ether	9.14	73	68082	0.52	ppbv	#	53
20) n-Hexane	9.39	57	257753	3.10	ppbv		96
24) 2-Butanone	10.44	43	38781	0.53	ppbv	#	90
26) Tetrahydrofuran	10.80	42	68070	1.43	ppbv	#	50
29) Cyclohexane	11.03	56	376598	4.47	ppbv	#	80
31) Benzene	11.47	78	275178	1.95	ppbv		95
34) Heptane	11.52	43	384116	3.86	ppbv	#	93
41) Toluene	13.81	91	1076875	6.94	ppbv		98
45) 2-Hexanone	14.59	43	17281	0.52	ppbv		84
50) Ethylbenzene	15.80	91	192312	1.15	ppbv		94
51) m,p-Xylene	15.96	91	329322	2.53	ppbv		93
52) o-Xylene	16.55	91	131263	1.04	ppbv	#	89
58) 1,3,5-Trimethylbenzene	17.73	105	63136	0.51	ppbv		76

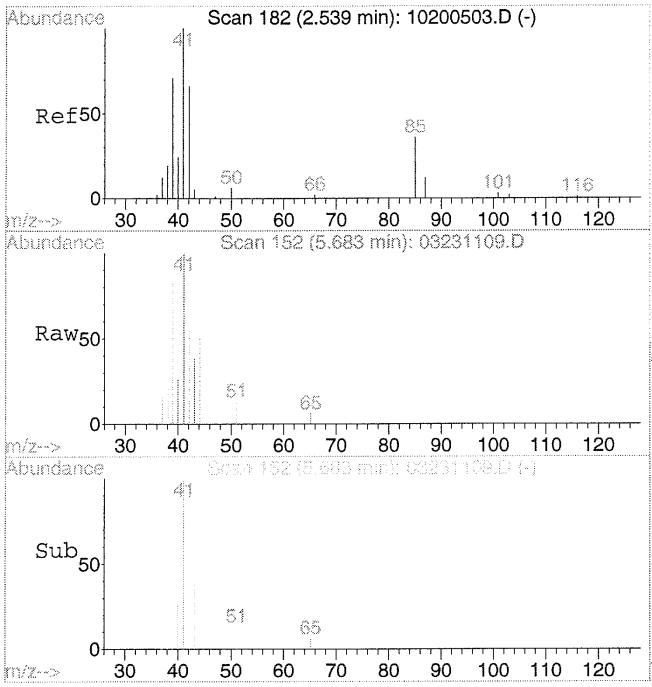
(#) = qualifier out of range (m) = manual integration
03231109.D 031611V1.M Wed Apr 13 18:19:23 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\032311\03231109.D Vial: 14
Acq On : 23 Mar 2011 6:23 pm Operator: Michael Truchan
Sample : 1103120-013A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: CLME.P
Quant Time: Mar 23 19:46 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

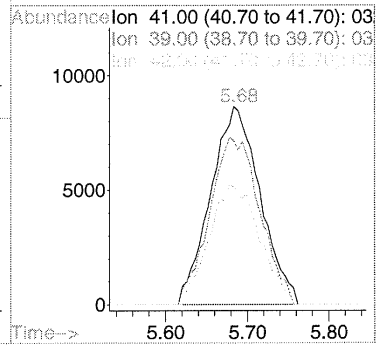


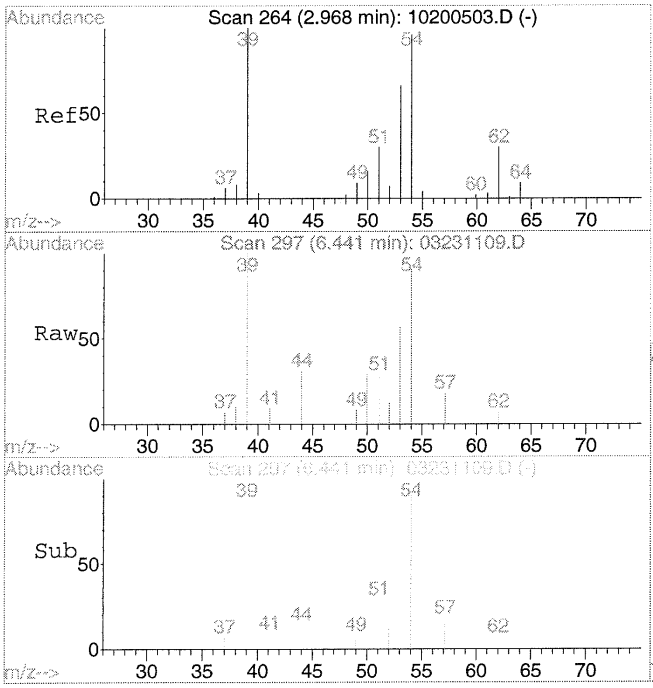


#2
Propylene
Concen: 0.85 ppbv
RT: 5.68 min Scan# 152
Delta R.T. 0.00 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 41 Resp: 36399

Ion	Ratio	Lower	Upper
41	100		
39	85.7	57.6	86.4
42	61.5	54.0	81.0

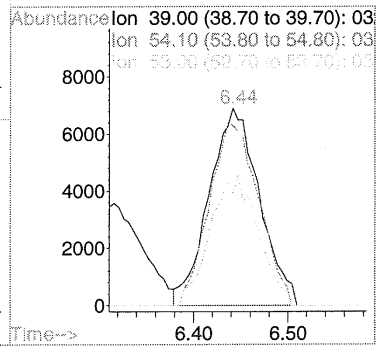


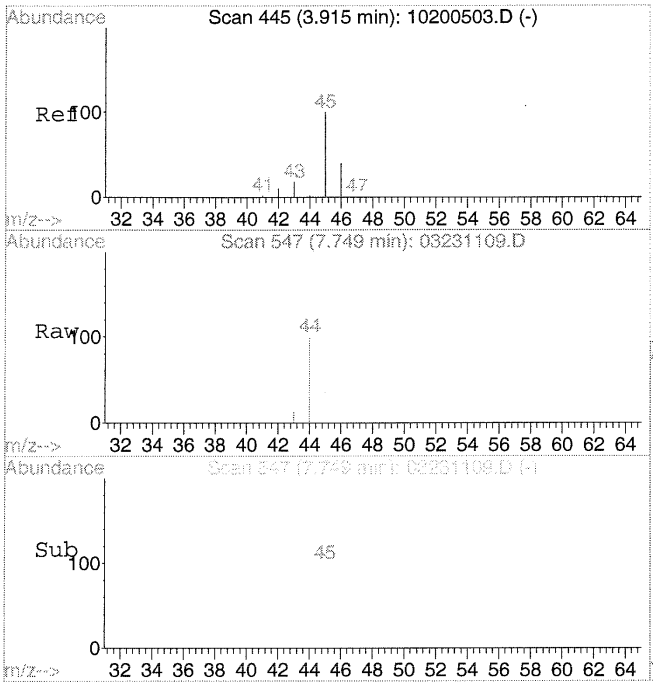


#7
1,3-Butadiene
Concen: 0.59 ppbv
RT: 6.44 min Scan# 297
Delta R.T. 0.00 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 39 Resp: 25465

Ion	Ratio	Lower	Upper
39	100		
54	91.4	79.4	119.0
53	63.0	53.2	79.8

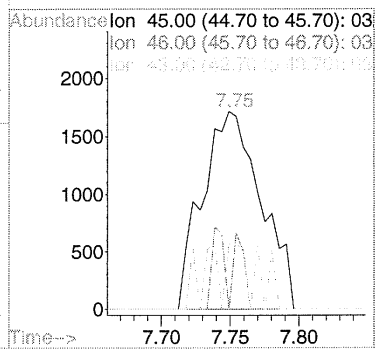


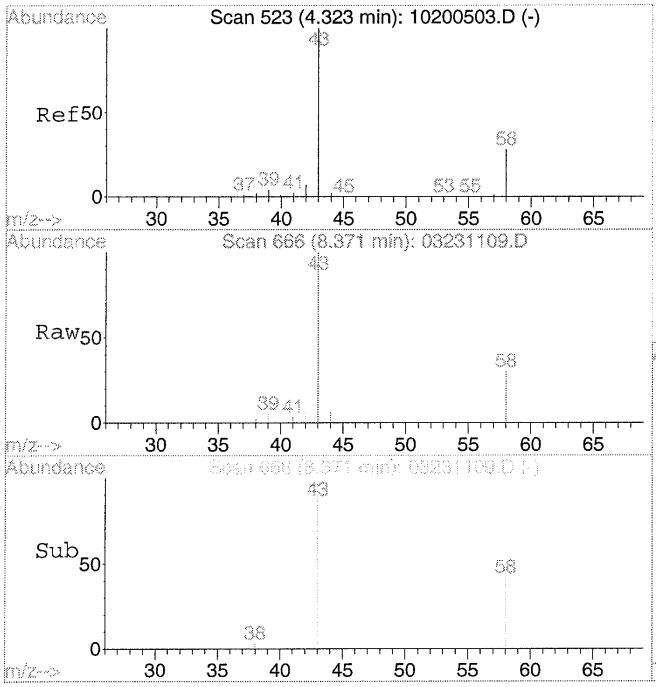


#11
Ethanol
Concen: 0.54 ppbv
RT: 7.75 min Scan# 547
Delta R.T. 0.02 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 45 Resp: 5110

Ion	Ratio	Lower	Upper
45	100		
46	7.2	30.2	45.4#
43	0.0	15.8	23.6#

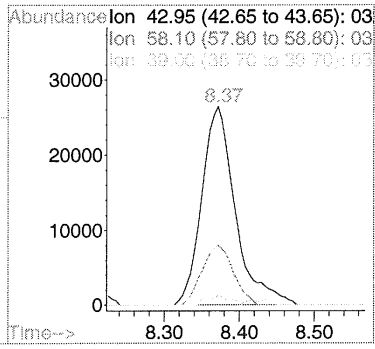


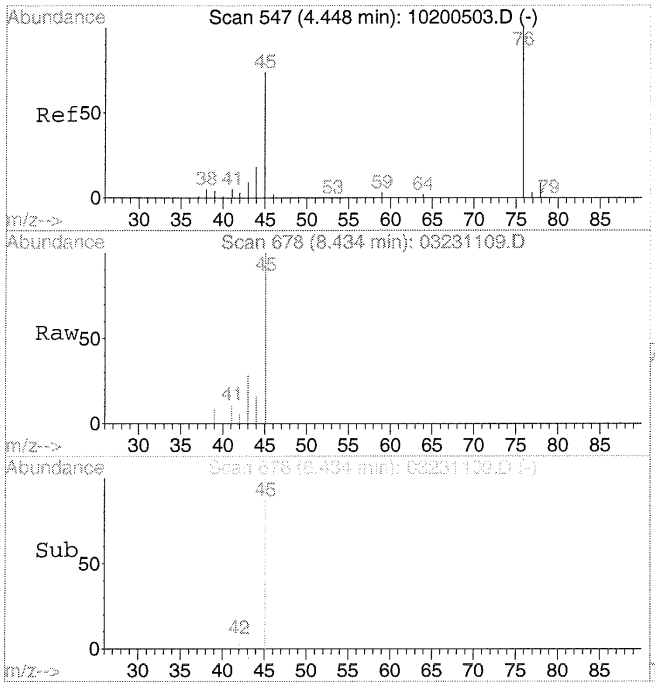


#14
Acetone
Concen: 1.17 ppbv
RT: 8.37 min Scan# 666
Delta R.T. 0.01 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 43 Resp: 82212

Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.0	33.0
39	3.4	6.5	9.7#

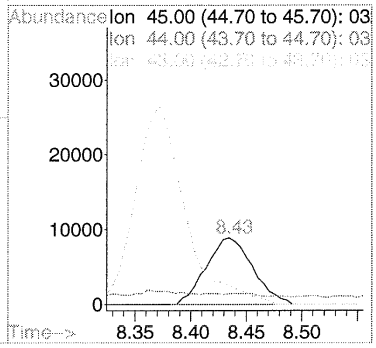


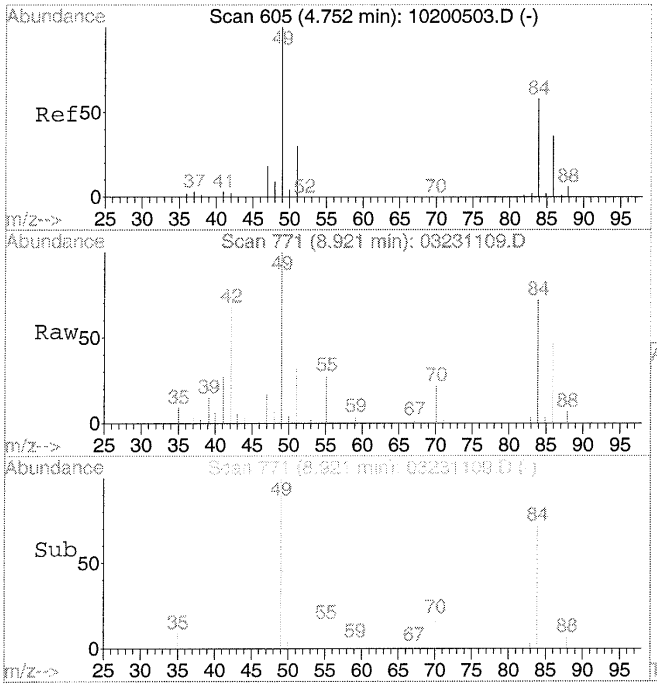


#16
2-Propanol
Concen: 0.51 ppbv
RT: 8.43 min Scan# 678
Delta R.T. 0.03 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 45 Resp: 26043

Ion	Ratio	Lower	Upper
45	100		
44	0.0	5.2	7.8#
43	0.0	101.1	151.7#

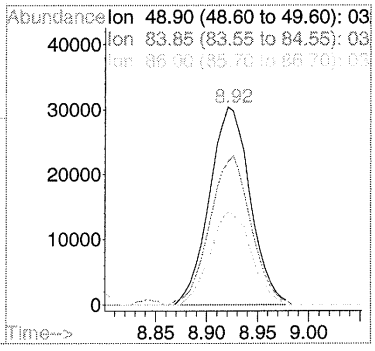


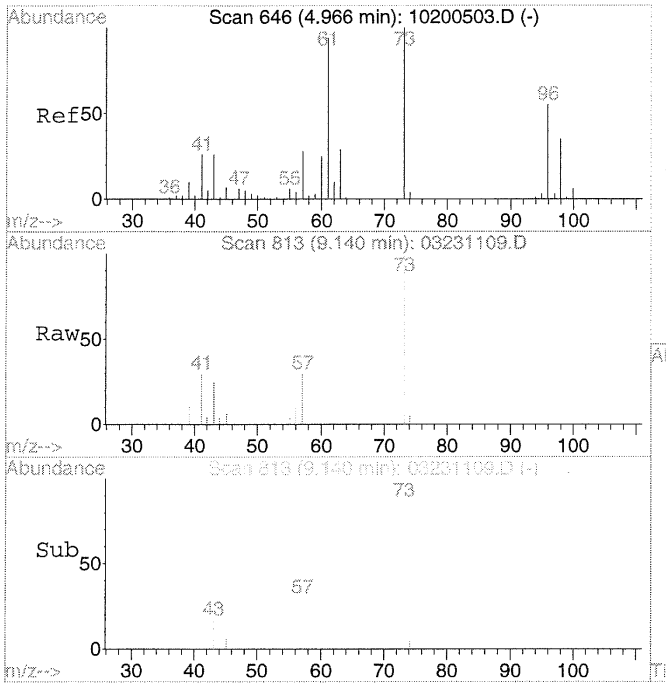


#17
Methylene chloride
Concen: 1.47 ppbv
RT: 8.92 min Scan# 771
Delta R.T. -0.00 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 49 Resp: 84633

Ion	Ratio	Lower	Upper
49	100		
84	75.6	65.4	98.2
86	47.4	42.3	63.5

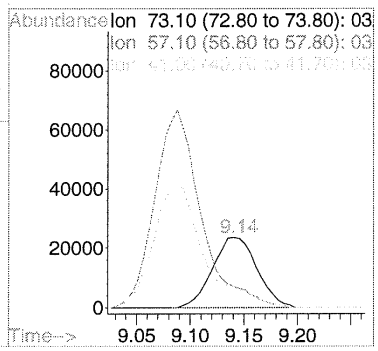


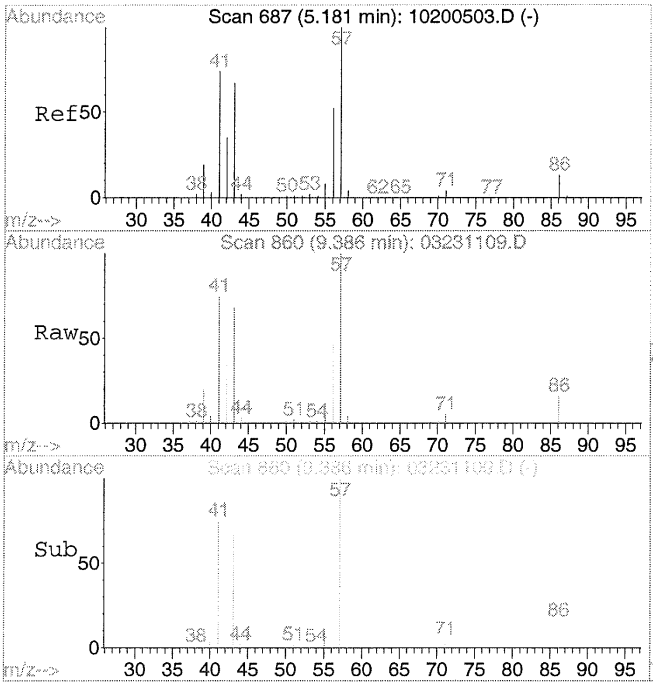


#18
tert-Butyl Methyl Ether
Concen: 0.52 ppbv
RT: 9.14 min Scan# 813
Delta R.T. 0.01 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 73 Resp: 68082

Ion	Ratio	Lower	Upper
73	100		
57	0.0	18.5	27.7#
41	0.0	17.3	25.9#

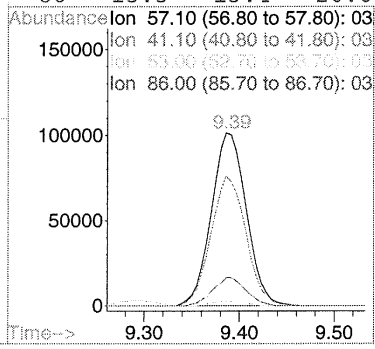


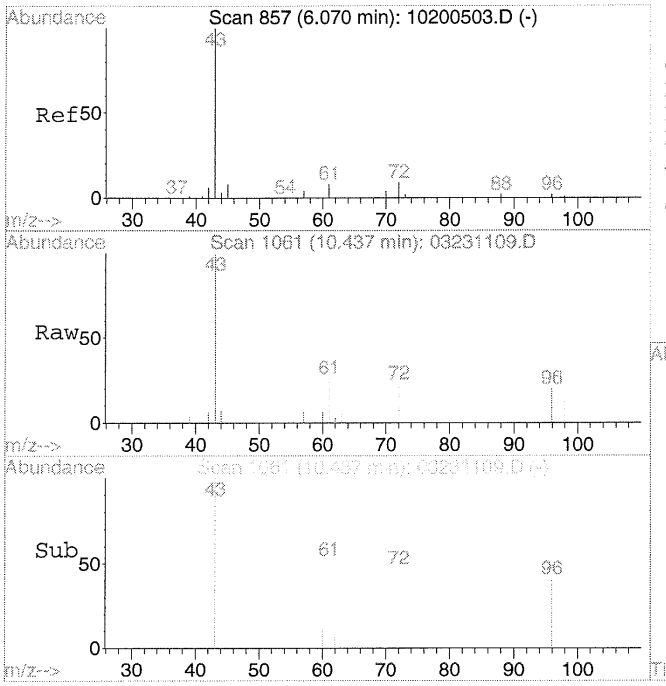


#20
n-Hexane
Concen: 3.10 ppbv
RT: 9.39 min Scan# 860
Delta R.T. -0.01 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 57 Resp: 257753

Ion	Ratio	Lower	Upper
57	100		
41	75.1	57.2	85.8
53	2.4	1.8	2.8
86	15.5	13.4	20.0

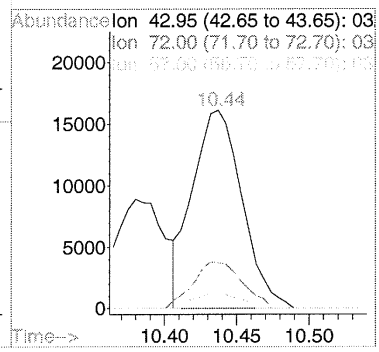


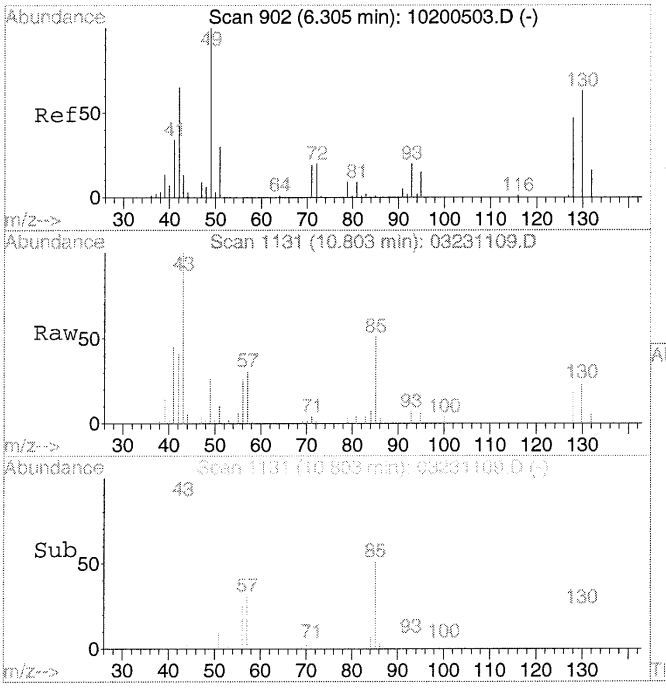


#24
2-Butanone
Concen: 0.53 ppbv
RT: 10.44 min Scan# 1061
Delta R.T. 0.02 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 43 Resp: 38781

Ion	Ratio	Lower	Upper
43	100		
72	23.3	23.4	35.2#
57	6.6	6.9	10.3#

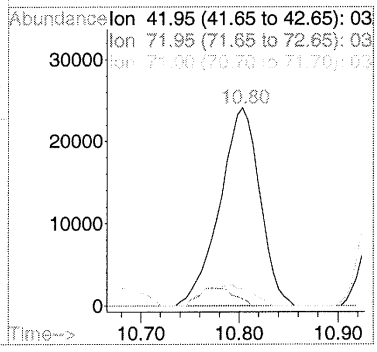


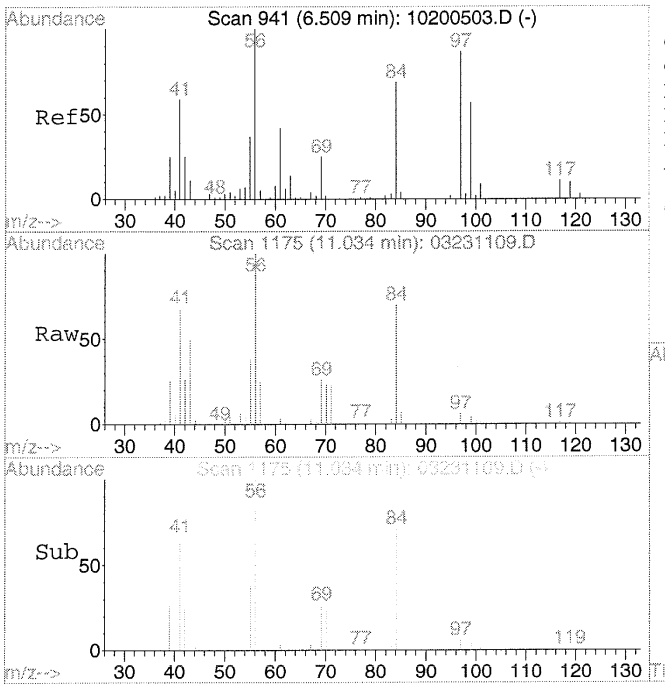


#26
Tetrahydrofuran
Concen: 1.43 ppbv
RT: 10.80 min Scan# 1131
Delta R.T. 0.05 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 42 Resp: 68070

Ion	Ratio	Lower	Upper
42	100		
72	8.1	35.0	52.6#
71	12.4	31.9	47.9#

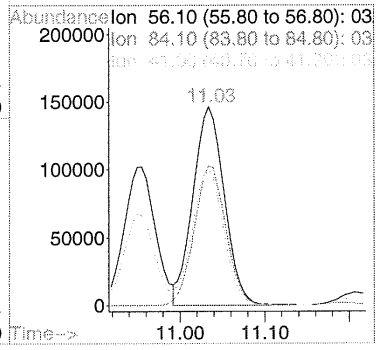


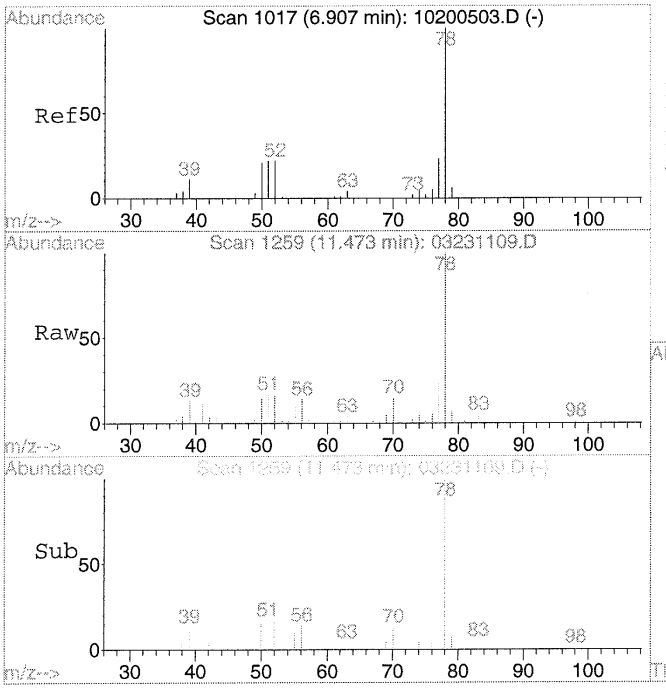


#29
Cyclohexane
Concen: 4.47 ppbv
RT: 11.03 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 56 Resp: 376598

Ion	Ratio	Lower	Upper
56	100		
84	70.8	72.4	108.6#
41	68.8	43.8	65.8#

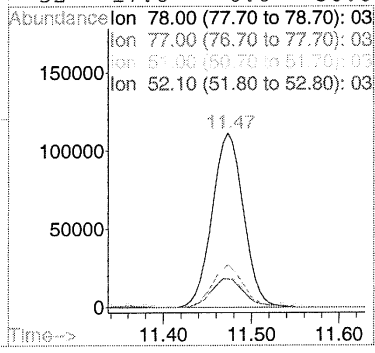


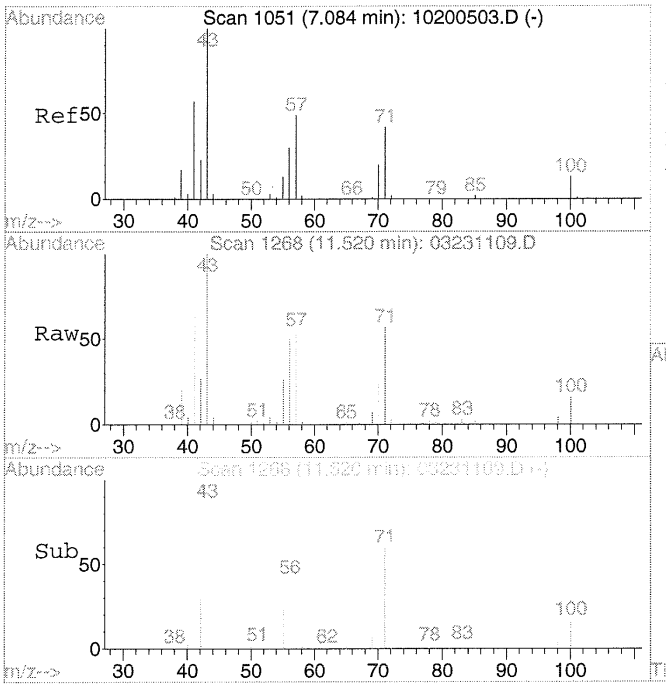


#31
Benzene
Concen: 1.95 ppbv
RT: 11.47 min Scan# 1259
Delta R.T. 0.00 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 78 Resp: 275178

Ion	Ratio	Lower	Upper
78	100		
77	24.2	3.7	43.7
51	20.7	0.0	36.1
52	17.6	0.0	36.0

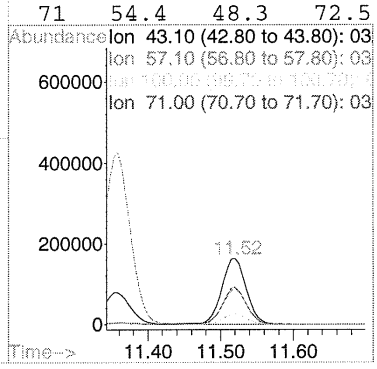


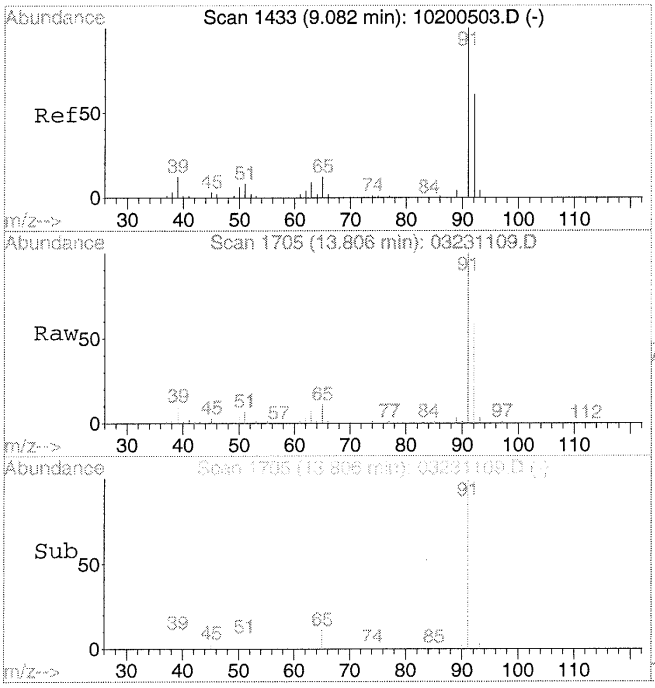


#34
Heptane
Concen: 3.86 ppbv
RT: 11.52 min Scan# 1268
Delta R.T. -0.00 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 43 Resp: 384116

Ion	Ratio	Lower	Upper
43	100		
57	54.8	42.2	63.4
100	15.3	17.3	25.9#
71	54.4	48.3	72.5

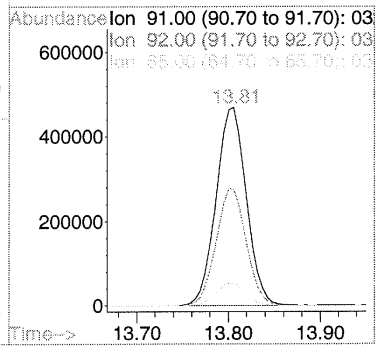


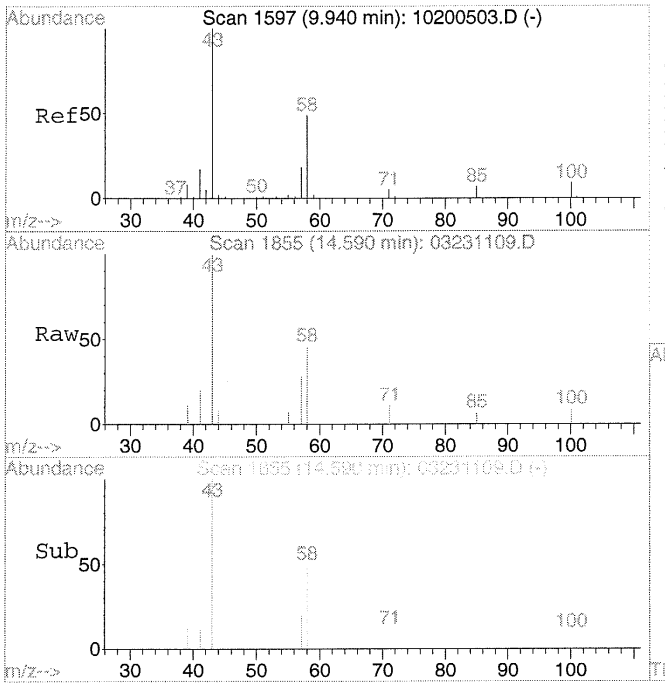


#41
Toluene
Concen: 6.94 ppbv
RT: 13.81 min Scan# 1705
Delta R.T. 0.00 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 91 Resp: 1076875

Ion	Ratio	Lower	Upper
91	100		
92	59.0	40.5	80.5
65	11.4	0.0	31.2

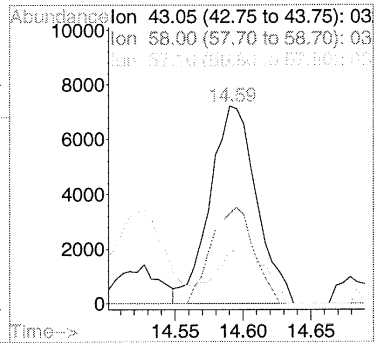


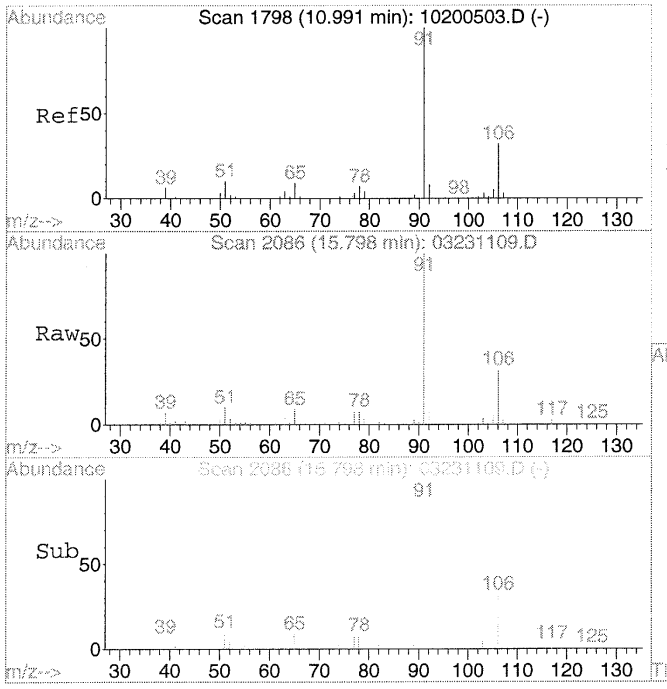


#45
2-Hexanone
Concen: 0.52 ppbv
RT: 14.59 min Scan# 1855
Delta R.T. 0.01 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 43 Resp: 17281

Ion	Ratio	Lower	Upper
43	100		
58	44.6	33.8	73.8
57	29.6	0.0	38.6

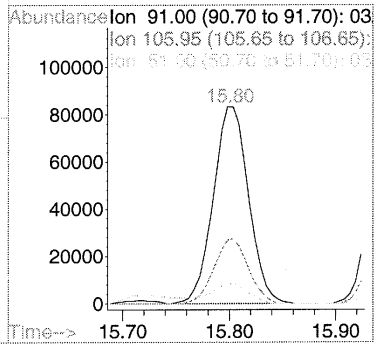


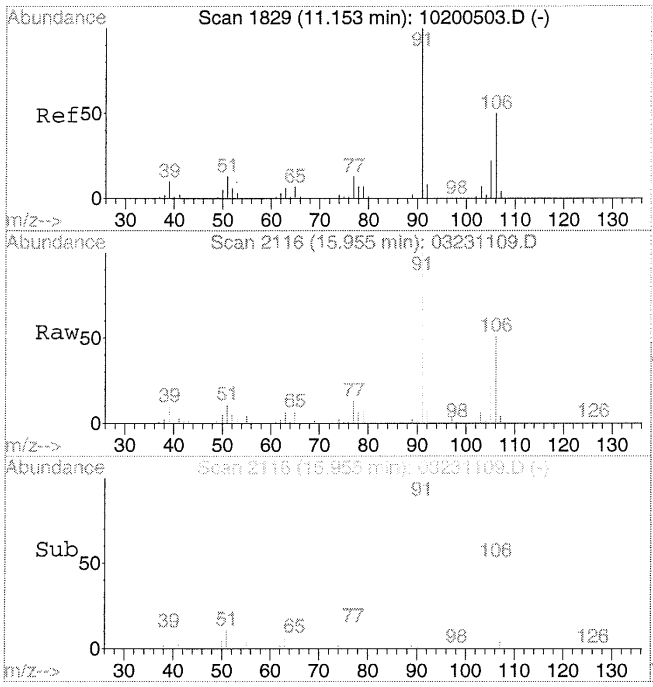


#50
Ethylbenzene
Concen: 1.15 ppbv
RT: 15.80 min Scan# 2086
Delta R.T. -0.00 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 91 Resp: 192312

Ion	Ratio	Lower	Upper
91	100		
106	31.9	14.9	54.9
51	10.5	0.0	33.1

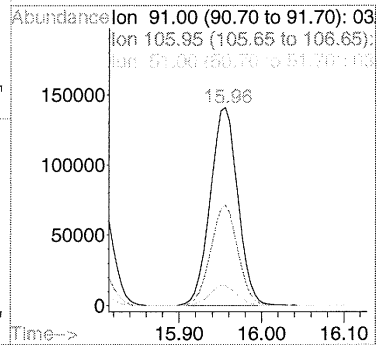


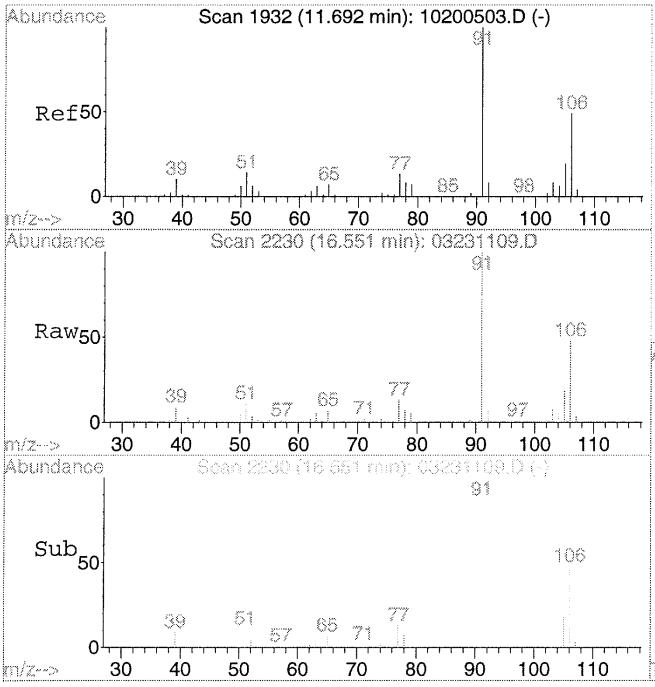


#51
m,p-Xylene
Concen: 2.53 ppbv
RT: 15.96 min Scan# 2116
Delta R.T. -0.00 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 91 Resp: 329322

Ion	Ratio	Lower	Upper
91	100		
106	49.7	35.6	75.6
51	10.2	0.0	29.6

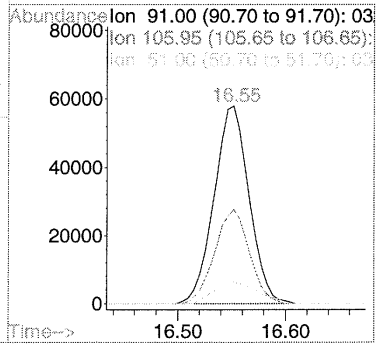


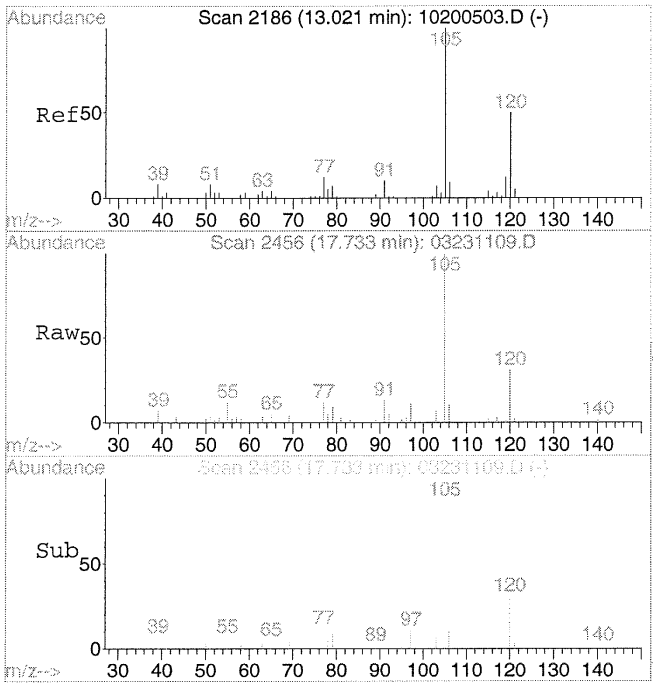


#52
o-Xylene
Concen: 1.04 ppbv
RT: 16.55 min Scan# 2230
Delta R.T. 0.00 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion: 91 Resp: 131263

Ion	Ratio	Lower	Upper
91	100		
106	47.3	41.0	61.6
51	13.9	19.7	29.5#

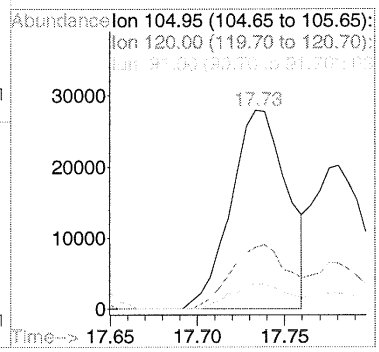




#58
1,3,5-Trimethylbenzene
Concen: 0.51 ppbv
RT: 17.73 min Scan# 2456
Delta R.T. -0.13 min
Lab File: 03231109.D
Acq: 23 Mar 2011 6:23 pm

Tgt Ion:105 Resp: 63136

Ion	Ratio	Lower	Upper
105	100		
120	32.7	32.1	72.1
91	12.8	0.0	30.4



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\032311\03231109.D Vial: 14
Acq On : 23 Mar 2011 6:23 pm Operator: Michael Truchan
Sample : 1103120-013A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.364	63	91	123	rBV	310550	1698802	34.12%	3.060%
2	5.683	138	152	163	rBV4	34389	155698	3.13%	0.280%
3	6.018	202	216	232	rBB3	29141	109244	2.19%	0.197%
4	6.316	261	273	275	rBV3	24413	59728	1.20%	0.108%
5	6.441	289	297	311	rVB3	25628	91792	1.84%	0.165%
6	7.189	427	440	461	rBV	427307	1441228	28.95%	2.596%
7	7.493	482	498	499	rBV3	19826	50027	1.00%	0.090%
8	7.566	502	512	527	rVB2	152741	472426	9.49%	0.851%
9	8.173	614	628	638	rBV5	74883	283100	5.69%	0.510%
10	8.371	653	666	673	rBV	39530	112478	2.26%	0.203%
11	8.758	725	740	762	rVV2	825112	2841226	57.07%	5.118%
12	8.926	762	772	784	rVB2	149375	427299	8.58%	0.770%
13	9.088	791	803	821	rBV2	221072	747180	15.01%	1.346%
14	9.386	850	860	875	rVB	403886	1016124	20.41%	1.830%
15	10.003	967	978	993	rVB	255139	676733	13.59%	1.219%
16	10.212	1006	1018	1035	rBV	307332	814929	16.37%	1.468%
17	10.443	1055	1062	1073	rVB3	38360	102894	2.07%	0.185%
18	10.762	1112	1123	1144	rVB2	1253718	3612037	72.55%	6.506%
19	10.950	1148	1159	1167	rBV	463914	1198711	24.08%	2.159%
20	11.034	1167	1175	1189	rVB2	801659	2045610	41.09%	3.685%
21	11.201	1196	1207	1217	rBV4	73064	212792	4.27%	0.383%
22	11.358	1217	1237	1250	rVV	923726	2708643	54.41%	4.879%
23	11.473	1250	1259	1262	rVV2	332236	805815	16.19%	1.451%
24	11.520	1262	1268	1283	rVB2	830589	2059320	41.36%	3.709%
25	11.860	1322	1333	1346	rBV	1978044	4553705	91.47%	8.202%
26	12.200	1389	1398	1406	rBV2	125777	298768	6.00%	0.538%
27	12.284	1406	1414	1424	rVV3	175570	450924	9.06%	0.812%
28	12.388	1424	1434	1450	rVB	957315	2404493	48.30%	4.331%
29	12.571	1459	1469	1474	rBV4	73686	194078	3.90%	0.350%
30	12.618	1474	1478	1491	rVB	66937	163983	3.29%	0.295%
31	12.796	1500	1512	1527	rBV3	254343	697856	14.02%	1.257%
32	12.943	1527	1540	1545	rBV3	261426	744333	14.95%	1.341%
33	13.147	1567	1579	1596	rBV	146191	454228	9.12%	0.818%
34	13.340	1608	1616	1624	rBV	64202	159732	3.21%	0.288%
35	13.570	1643	1660	1667	rBV3	224197	660772	13.27%	1.190%
36	13.670	1672	1679	1693	rVV	445447	1024919	20.59%	1.846%
37	13.806	1693	1705	1723	rVV	1143936	2791921	56.08%	5.029%
38	14.077	1746	1757	1770	rBV4	114188	329851	6.63%	0.594%
39	14.198	1770	1780	1789	rVV5	48685	154817	3.11%	0.279%
40	14.281	1789	1796	1806	rVV2	54744	128258	2.58%	0.231%
41	14.376	1806	1814	1822	rVB6	27470	61862	1.24%	0.111%
42	14.454	1822	1829	1834	rBV2	25828	60815	1.22%	0.110%
43	14.506	1834	1839	1849	rVB3	51009	127115	2.55%	0.229%

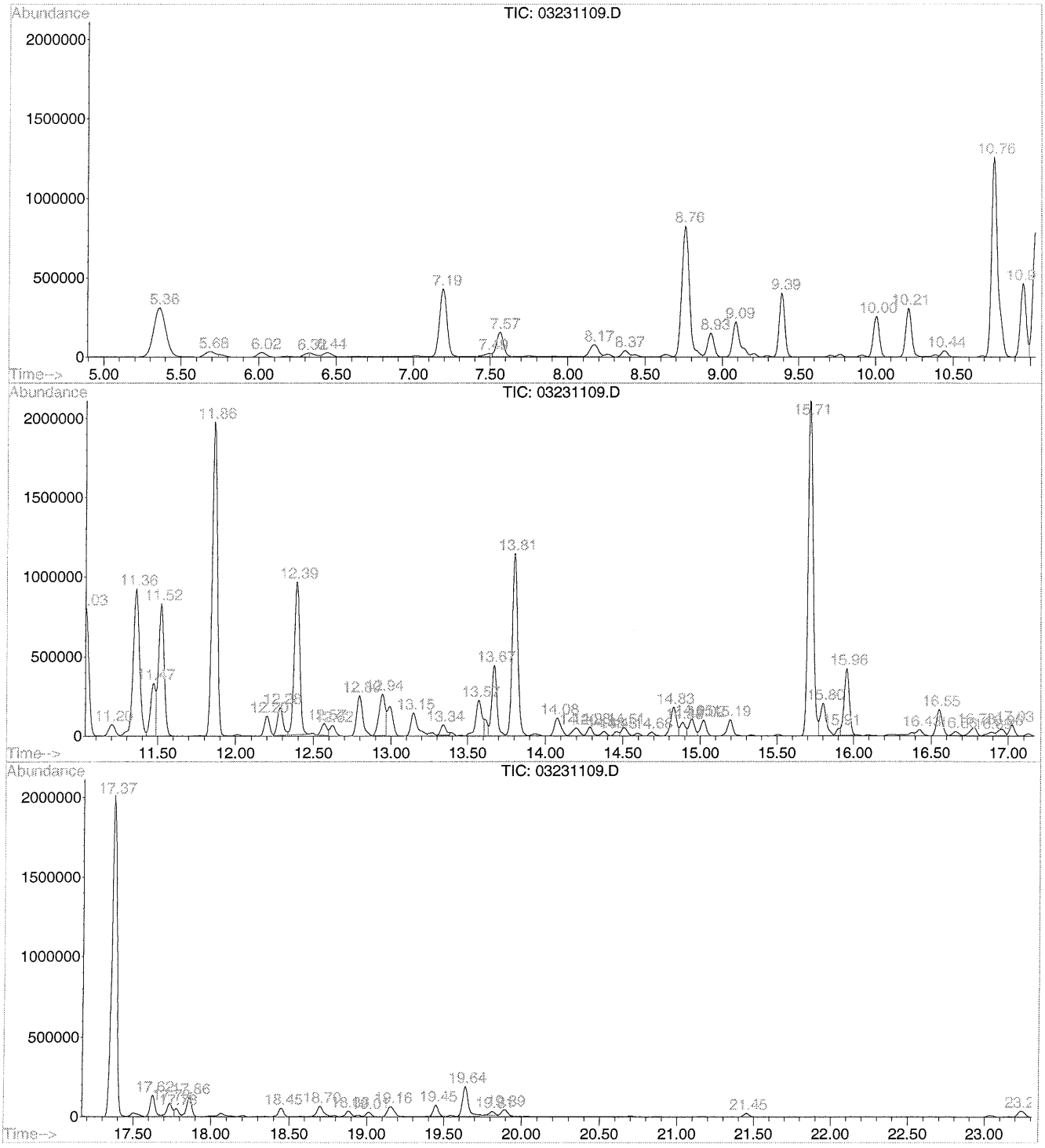
44	14.684	1865	1873	1880	rBV3	24797	54636	1.10%	0.098%
45	14.825	1887	1900	1907	rBV	181783	495955	9.96%	0.893%
46	14.883	1907	1911	1917	rVV	85974	209813	4.21%	0.378%
47	14.946	1917	1923	1930	rVV2	107233	272647	5.48%	0.491%
48	15.024	1930	1938	1949	rVB2	99546	252741	5.08%	0.455%
49	15.192	1958	1970	1981	rBV3	102319	259261	5.21%	0.467%
50	15.715	2059	2070	2081	rBV	2111998	4978546	100.00%	8.968%
51	15.803	2081	2087	2099	rVV	203587	537967	10.81%	0.969%
52	15.908	2100	2107	2108	rVV2	44874	81952	1.65%	0.148%
53	15.955	2108	2116	2127	rVB	420816	1003658	20.16%	1.808%
54	16.426	2200	2206	2220	rVB	40296	101041	2.03%	0.182%
55	16.551	2220	2230	2241	rBV2	165378	428838	8.61%	0.772%
56	16.661	2241	2251	2259	rBV3	26740	68697	1.38%	0.124%
57	16.776	2261	2273	2282	rVB6	50654	147810	2.97%	0.266%
58	16.886	2282	2294	2300	rBV7	21274	72543	1.46%	0.131%
59	16.959	2300	2308	2314	rVV5	41512	123013	2.47%	0.222%
60	17.027	2314	2321	2330	rVB	68367	151702	3.05%	0.273%
61	17.367	2375	2386	2404	rBV	2011255	4548915	91.37%	8.194%
62	17.624	2425	2435	2444	rBV	132966	290342	5.83%	0.523%
63	17.733	2448	2456	2462	rVV	81212	210471	4.23%	0.379%
64	17.775	2462	2464	2471	rVV	50405	87484	1.76%	0.158%
65	17.859	2471	2480	2490	rVB	119551	272940	5.48%	0.492%
66	18.450	2579	2593	2601	rBV	55311	129973	2.61%	0.234%
67	18.696	2629	2640	2654	rBV4	63165	177299	3.56%	0.319%
68	18.879	2665	2675	2683	rBV2	36865	83005	1.67%	0.150%
69	19.009	2694	2700	2708	rVB2	28864	63601	1.28%	0.115%
70	19.156	2716	2728	2741	rBV7	64332	209779	4.21%	0.378%
71	19.449	2774	2784	2797	rVB2	71131	164436	3.30%	0.296%
72	19.637	2810	2820	2838	rBV	187446	490181	9.85%	0.883%
73	19.815	2846	2854	2860	rBV3	23080	57095	1.15%	0.103%
74	19.888	2861	2868	2881	rVB	43025	124047	2.49%	0.223%
75	21.452	3159	3167	3177	rBB2	21813	52445	1.05%	0.094%
76	23.241	3498	3509	3517	rBV4	36100	107469	2.16%	0.194%

Sum of corrected areas: 55516568

03231109.D 031611V1.M Wed Apr 13 18:19:44 2011

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\032311\03231109.D
Operator : Michael Truchan
Acquired : 23 Mar 2011 6:23 pm using AcqMethod 031611V1
Instrument : GC/MS Ins
Sample Name: 1103120-013A
Misc Info : SAMP EPA_TO15-ug/m3
Vial Number: 14
Quant File :031611V1.RES (RTE Integrator)



03231109.D 031611V1.M Wed Apr 13 18:19:44 2011

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231109.D Vial: 14
Acq On : 23 Mar 2011 6:23 pm Operator: Michael Truchan
Sample : 1103120-013A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 1 Carbon dioxide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.36	5.88 ppbv	1698800	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide $$ Carbon oxide (CO2	44	CO2	000124-38-9	4
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Nitrous Oxide	44	N2O	010024-97-2	3
5	Nitrous Oxide $$ Nitrogen oxide (N2	44	N2O	010024-97-2	3

****

Peak Number 2 Butane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	4.99 ppbv	1441230	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	86
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	Oxirane, trimethyl- $$ Butane, 2,3-	86	C5H10O	005076-19-7	36
5	Methane, isocyanato- $$ Isocyanic a	57	C2H3NO	000624-83-9	9

****

Peak Number 3 Pentane $$ n-Pentane $$ Skelly Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	1.63 ppbv	472426	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane $$ n-Pentane $$ Skellysolve	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	64
4	Butane, 2-methyl-	72	C5H12	000078-78-4	25
5	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	25

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231109.D Vial: 14
Acq On : 23 Mar 2011 6:23 pm Operator: Michael Truchan
Sample : 1103120-013A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 4 Butane, 2,2-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	0.98 ppbv	283100	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43
3	Butane, 2,2-dimethyl- $$ Neohexane	86	C6H14	000075-83-2	43
4	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	25
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	25

****

Peak Number 5 Pentane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	9.83 ppbv	2841230	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
4	Pentane, 2-methyl- $$ Isohexane $$	86	C6H14	000107-83-5	78
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72

****

Peak Number 6 Pentane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	2.59 ppbv	747180	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl- $$ 3-Methylpenta	86	C6H14	000096-14-0	90
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	56

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231109.D Vial: 14
Acq On : 23 Mar 2011 6:23 pm Operator: Michael Truchan
Sample : 1103120-013A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 7 Pentane, 2,4-dimethyl- $$ 2,4- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	2.34 ppbv	676733	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl- $$ 2,4-Dimet	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	87
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64

****

Peak Number 8 Cyclopentane, methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	2.82 ppbv	814929	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl- $$ Methylcycl	84	C6H12	000096-37-7	91
3	1H-Tetrazole, 5-methyl- $$ 5-Methyl	84	C2H4N4	004076-36-2	80
4	Cyclobutane, ethyl- $$ Ethylcyclobu	84	C6H12	004806-61-5	64
5	Aziridine, 1-(2-buten-2-yl)-	97	C6H11N	000000-00-0	56

****

Peak Number 9 Pentane, 2,3-dimethyl- $$ 2,3- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	4.15 ppbv	1198710	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl- $$ 2,3-Dimet	100	C7H16	000565-59-3	95
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231109.D Vial: 14
Acq On : 23 Mar 2011 6:23 pm Operator: Michael Truchan
Sample : 1103120-013A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 10 Hexane, 2,2-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	7.44 ppbv	2708640	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
5	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	74

****

Peak Number 11 Hexane, 2,4-dimethyl- $$ 2,4-D Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	1.24 ppbv	450924	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl- $$ 2,4-Dimeth	114	C8H18	000589-43-5	60
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	49
3	Hexane, 1-(hexyloxy)-3-methyl-	200	C13H28O	074421-18-4	45
4	Cyclobutane, 1,2-diethyl-	112	C8H16	061141-83-1	38
5	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	38

****

Peak Number 12 Cyclohexane, methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	6.60 ppbv	2404490	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
3	Cyclohexane, methyl- $$ Cyclohexylm	98	C7H14	000108-87-2	93
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	78

Data File : C:\HPCHEM\1\DATA\032311\03231109.D Vial: 14
Acq On : 23 Mar 2011 6:23 pm Operator: Michael Truchan
Sample : 1103120-013A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 13 Pentane, 2,3,4-trimethyl- $$ 2 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	1.92 ppbv	697856	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl- $$ 2,3,4-	114	C8H18	000565-75-3	59
2	1-Hexene, 4-ethyl- $$ 4-Ethyl-1-hex	112	C8H16	016746-85-3	56
3	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	53
4	1-Hexene, 4,5-dimethyl- $$ 4,5-Dime	112	C8H16	016106-59-5	50
5	1-Heptene, 4-methyl- $$ 4-Methyl-1-	112	C8H16	013151-05-8	50

****

Peak Number 14 Heptane, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	2.04 ppbv	744333	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	74
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	74
3	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	72
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	68
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58

****

Peak Number 15 Heptane, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	1.25 ppbv	454228	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3-methyl- $$ 3-Methylhepta	114	C8H18	000589-81-1	68
3	Hexane, 2,4-dimethyl- $$ 2,4-Dimeth	114	C8H18	000589-43-5	64
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	47

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231109.D Vial: 14
Acq On : 23 Mar 2011 6:23 pm Operator: Michael Truchan
Sample : 1103120-013A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 16 Cyclohexane, 1,3-dimethyl-, ci Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	1.81 ppbv	660772	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis- $$	112	C8H16	000638-04-0	97
2	Cyclohexane, 1,3-dimethyl- $$ 1,3-D	112	C8H16	000591-21-9	95
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	95
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94

****

Peak Number 17 Octane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	2.81 ppbv	1024920	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	87
2	Octane	114	C8H18	000111-65-9	83
3	Octane $$ n-Octane $$ n-C8H18 $$ Ok	114	C8H18	000111-65-9	81
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	78
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	78

****

Peak Number 18 Cyclohexane, 1,2-dimethyl- (ci Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	0.83 ppbv	329851	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/tra	112	C8H16	000583-57-3	96
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231109.D Vial: 14
Acq On : 23 Mar 2011 6:23 pm Operator: Michael Truchan
Sample : 1103120-013A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 19 Cyclohexane, ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	1.25 ppbv	495955	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	95
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
5	Cyclohexane, ethyl- $$ Ethylcyclohe	112	C8H16	001678-91-7	72

****

Peak Number 20 Phenol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	1.23 ppbv	490181	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol	94	C6H6O	000108-95-2	97
2	Phenol $$ Baker's P and S Liquid an	94	C6H6O	000108-95-2	96
3	Phenol	94	C6H6O	000108-95-2	91
4	Phosphonic acid, (p-hydroxyphenyl)-	174	C6H7O4P	033795-18-5	90
5	Phenol	94	C6H6O	000108-95-2	87

Tentatively Identified Compound (LSC) summary

Operator ID: Michael Truchan Date Acquired: 23 Mar 2011 6:23 pm
Data File: C:\HPCHEM\1\DATA\032311\03231109.D
Name: 1103120-013A
Misc: SAMP EPA_TO15-ug/m3
Method: C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title: TO15 ppbv
Library Searched: C:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	5.36	5.9	ppbv	1698800	ISTD01	10.76	3612040	12.5
Butane, 2-methyl-	7.19	5.0	ppbv	1441230	ISTD01	10.76	3612040	12.5
Pentane $$ n-Pentane	7.57	1.6	ppbv	472426	ISTD01	10.76	3612040	12.5
Butane, 2,2-dimethyl	8.17	1.0	ppbv	283100	ISTD01	10.76	3612040	12.5
Pentane, 2-methyl-	8.76	9.8	ppbv	2841230	ISTD01	10.76	3612040	12.5
Pentane, 3-methyl-	9.09	2.6	ppbv	747180	ISTD01	10.76	3612040	12.5
Pentane, 2,4-dimethy	10.00	2.3	ppbv	676733	ISTD01	10.76	3612040	12.5
Cyclopentane, methyl	10.21	2.8	ppbv	814929	ISTD01	10.76	3612040	12.5
Pentane, 2,3-dimethy	10.95	4.1	ppbv	1198710	ISTD01	10.76	3612040	12.5
Hexane, 2,2-dimethyl	11.36	7.4	ppbv	2708640	ISTD02	11.86	4553710	12.5
Hexane, 2,4-dimethyl	12.28	1.2	ppbv	450924	ISTD02	11.86	4553710	12.5
Cyclohexane, methyl-	12.39	6.6	ppbv	2404490	ISTD02	11.86	4553710	12.5
Pentane, 2,3,4-trime	12.80	1.9	ppbv	697856	ISTD02	11.86	4553710	12.5
Heptane, 2-methyl-	12.94	2.0	ppbv	744333	ISTD02	11.86	4553710	12.5
Heptane, 3-methyl-	13.15	1.2	ppbv	454228	ISTD02	11.86	4553710	12.5
Cyclohexane, 1,3-dim	13.57	1.8	ppbv	660772	ISTD02	11.86	4553710	12.5
Octane	13.67	2.8	ppbv	1024920	ISTD02	11.86	4553710	12.5
Cyclohexane, 1,2-dim	14.08	0.8	ppbv	329851	ISTD03	15.71	4978550	12.5
Cyclohexane, ethyl-	14.83	1.2	ppbv	495955	ISTD03	15.71	4978550	12.5
Phenol	19.64	1.2	ppbv	490181	ISTD03	15.71	4978550	12.5

03231109.D 031611V1.M Wed Apr 13 18:19:45 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231110.D Vial: 15
Acq On : 23 Mar 2011 7:03 pm Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 160000.00
MS Integration Params: CLME.P
Quant Time: Mar 23 20:28 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	560359	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	1994238	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1392907	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	871958	12.49	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 99.92%				
Target Compounds							Qvalue
2) Propylene	5.68	41	34585	0.82	ppbv		88
7) 1,3-Butadiene	6.44	39	23334	0.55	ppbv		94
11) Ethanol	7.75	45	6832	0.73	ppbv	#	65
14) Acetone	8.37	43	618971	8.96	ppbv	#	94
16) 2-Propanol	8.42	45	55788	1.12	ppbv	#	1
17) Methylene chloride	8.92	49	33264	0.59	ppbv		93
20) n-Hexane	9.39	57	671027	8.20	ppbv		97
24) 2-Butanone	10.43	43	122277	1.72	ppbv	#	89
26) Tetrahydrofuran	10.80	42	255852	5.48	ppbv	#	41
29) Cyclohexane *	11.03	56	1126338	13.59	ppbv	#	76
31) Benzene	11.47	78	489101	3.53	ppbv		95
34) Heptane *	11.52	43	1393904	14.47	ppbv	#	95
41) Toluene	13.80	91	1451241	9.66	ppbv		99
50) Ethylbenzene	15.80	91	155414	0.96	ppbv		94
51) m,p-Xylene	15.95	91	254175	2.03	ppbv		93
52) o-Xylene	16.55	91	102657	0.84	ppbv	#	90

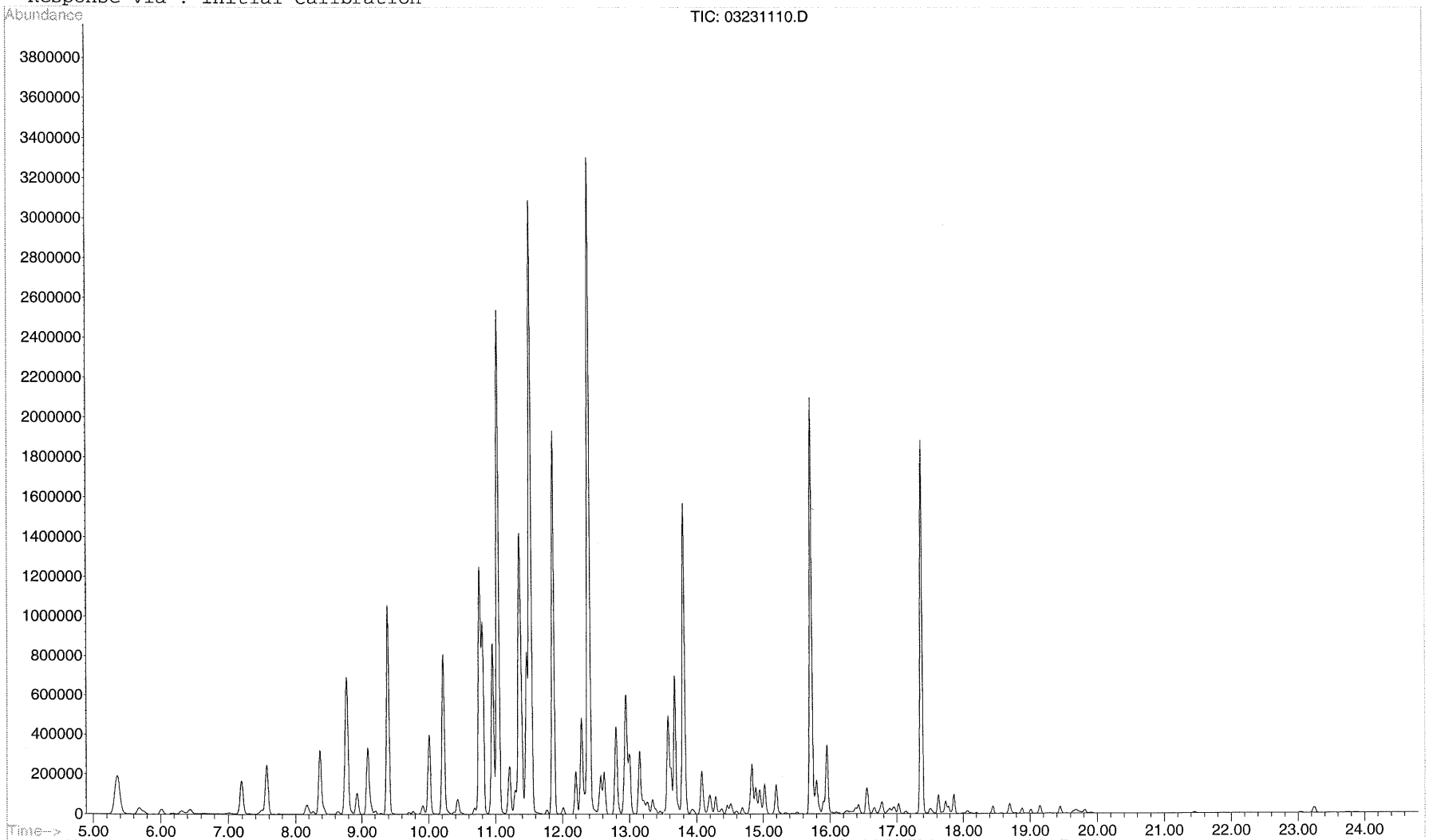
* = reported only 4/15/11 AP

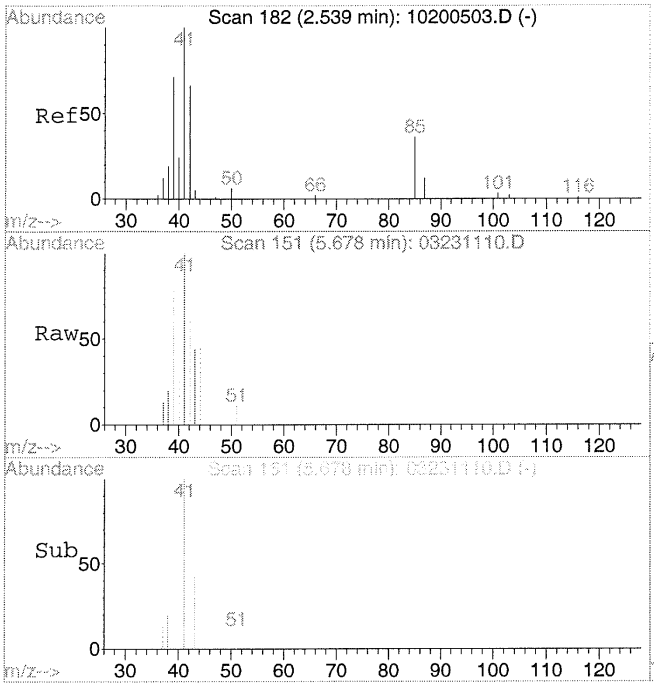
(#) = qualifier out of range (m) = manual integration
03231110.D 031611V1.M Wed Apr 13 18:20:02 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\032311\03231110.D Vial: 15
Acq On : 23 Mar 2011 7:03 pm Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 160000.00
MS Integration Params: CLME.P
Quant Time: Mar 23 20:28 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

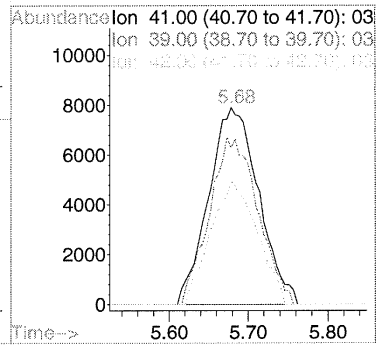


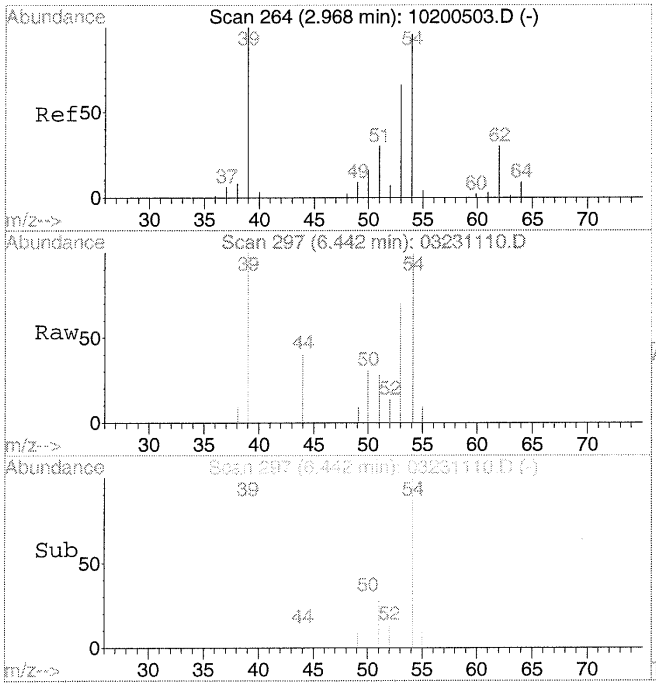


#2
Propylene
Concen: 0.82 ppbv
RT: 5.68 min Scan# 151
Delta R.T. -0.00 min
Lab File: 03231110.D
Acq: 23 Mar 2011 7:03 pm

Tgt Ion: 41 Resp: 34585

Ion	Ratio	Lower	Upper
41	100		
39	82.3	57.6	86.4
42	58.1	54.0	81.0

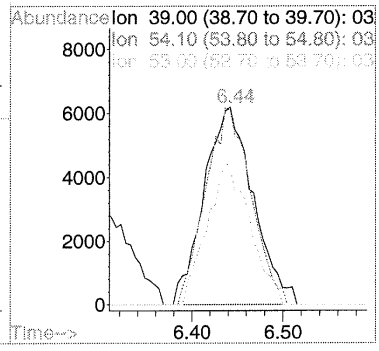


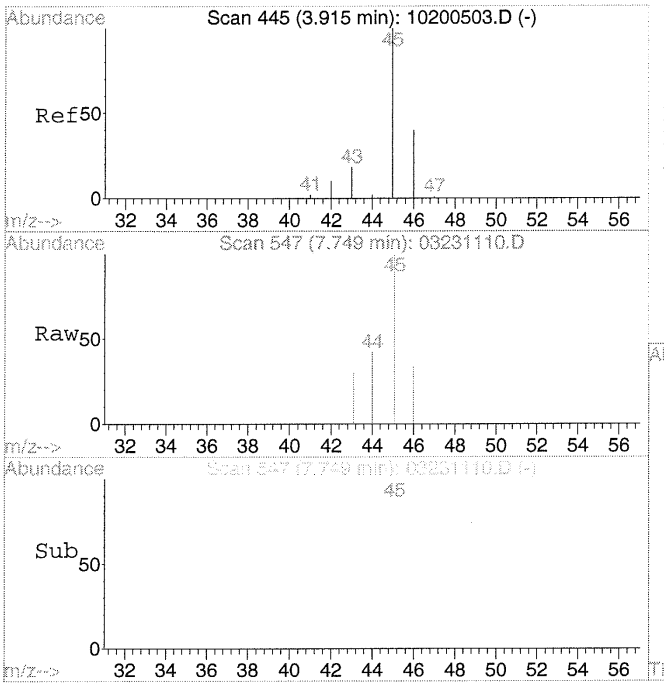


#7
1,3-Butadiene
Concen: 0.55 ppbv
RT: 6.44 min Scan# 297
Delta R.T. 0.00 min
Lab File: 03231110.D
Acq: 23 Mar 2011 7:03 pm

Tgt Ion: 39 Resp: 23334

Ion	Ratio	Lower	Upper
39	100		
54	92.3	79.4	119.0
53	63.3	53.2	79.8

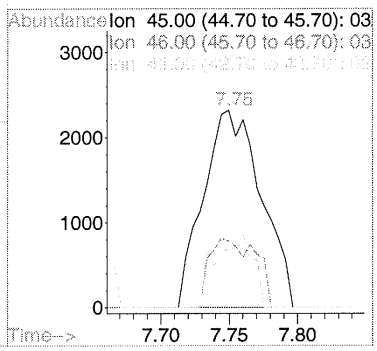


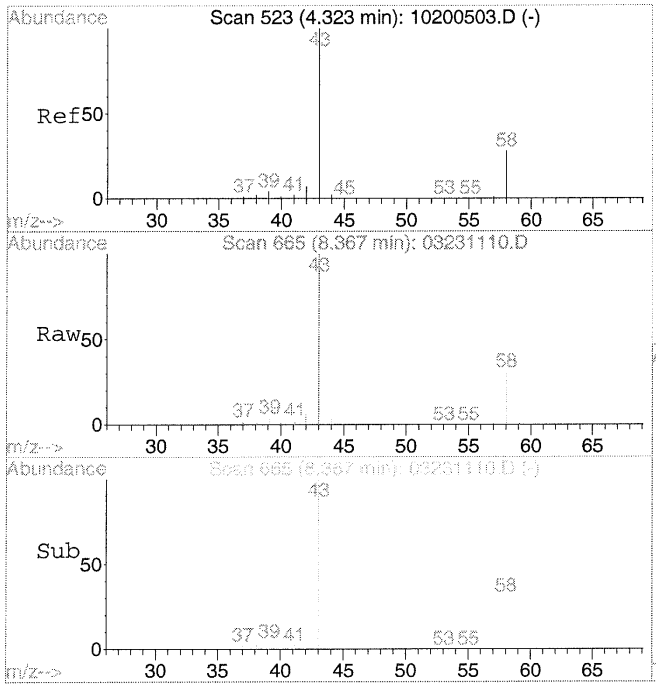


#11
Ethanol
Concen: 0.73 ppbv
RT: 7.75 min Scan# 547
Delta R.T. 0.02 min
Lab File: 03231110.D
Acq: 23 Mar 2011 7:03 pm

Tgt Ion: 45 Resp: 6832

Ion	Ratio	Lower	Upper
45	100		
46	19.2	30.2	45.4#
43	0.0	15.8	23.6#

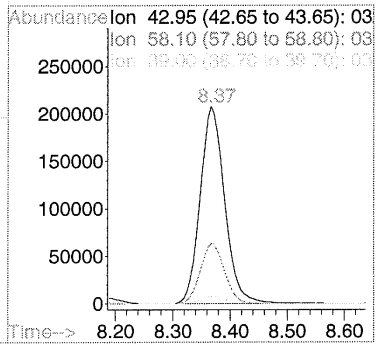


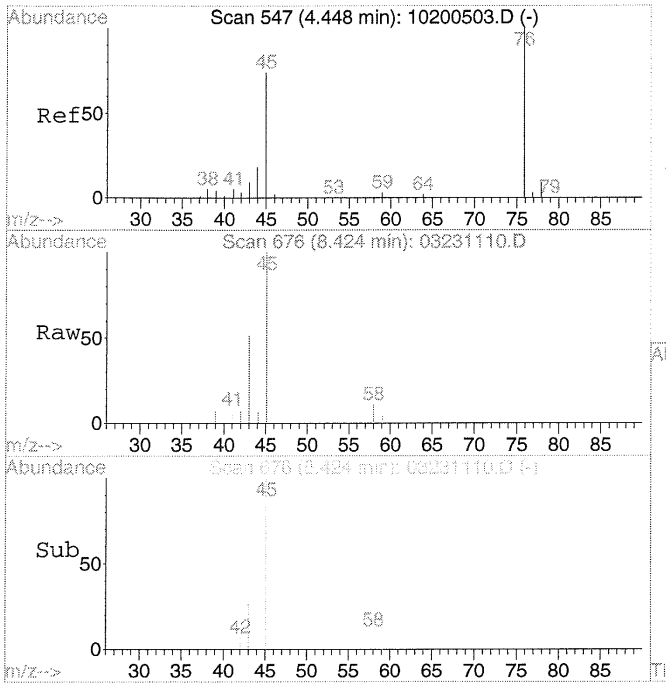


#14
Acetone
Concen: 8.96 ppbv
RT: 8.37 min Scan# 665
Delta R.T. 0.01 min
Lab File: 03231110.D
Acq: 23 Mar 2011 7:03 pm

Tgt Ion: 43 Resp: 618971

Ion	Ratio	Lower	Upper
43	100		
58	30.2	22.0	33.0
39	4.4	6.5	9.7#

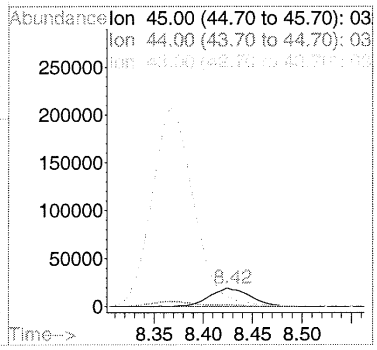


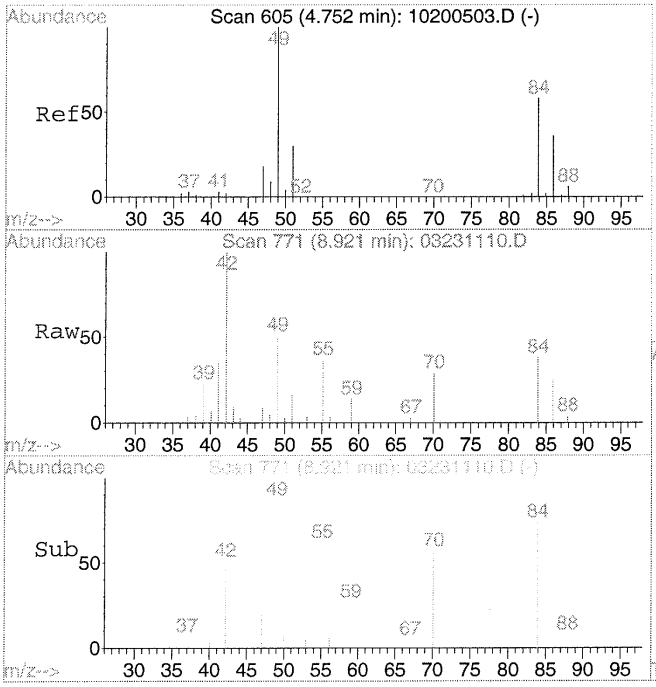


#16
2-Propanol
Concen: 1.12 ppbv
RT: 8.42 min Scan# 676
Delta R.T. 0.02 min
Lab File: 03231110.D
Acq: 23 Mar 2011 7:03 pm

Tgt Ion: 45 Resp: 55788

Ion	Ratio	Lower	Upper
45	100		
44	0.0	5.2	7.8#
43	0.0	101.1	151.7#

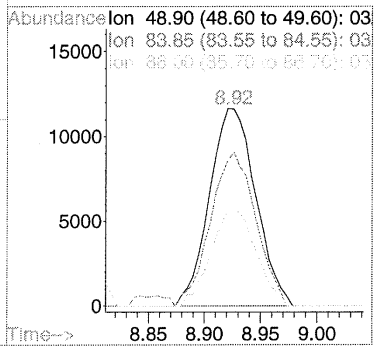


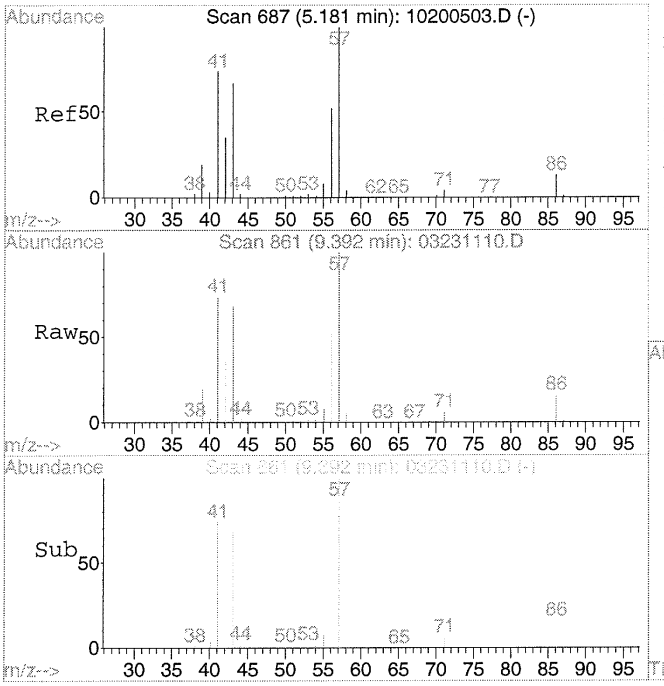


#17
Methylene chloride
Concen: 0.59 ppbv
RT: 8.92 min Scan# 771
Delta R.T. -0.00 min
Lab File: 03231110.D
Acq: 23 Mar 2011 7:03 pm

Tgt Ion: 49 Resp: 33264

Ion	Ratio	Lower	Upper
49	100		
84	76.2	65.4	98.2
86	48.0	42.3	63.5

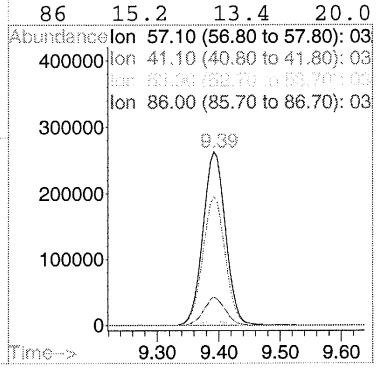


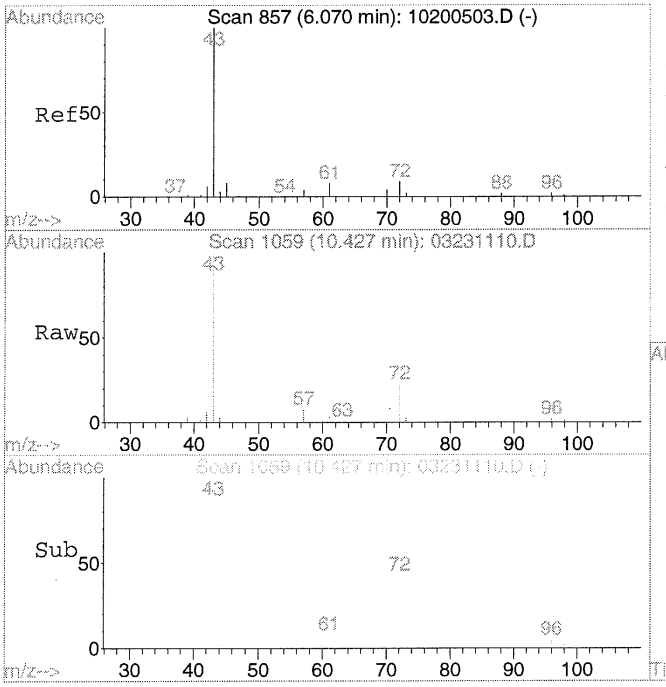


#20
n-Hexane
Concen: 8.20 ppbv
RT: 9.39 min Scan# 861
Delta R.T. -0.00 min
Lab File: 03231110.D
Acq: 23 Mar 2011 7:03 pm

Tgt Ion: 57 Resp: 671027

Ion	Ratio	Lower	Upper
57	100		
41	74.0	57.2	85.8
53	2.3	1.8	2.8
86	15.2	13.4	20.0

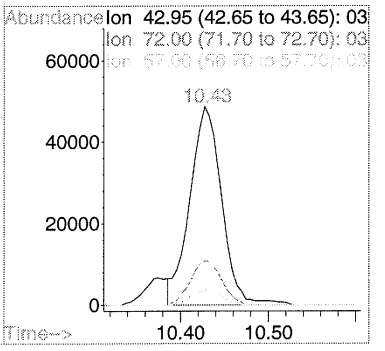


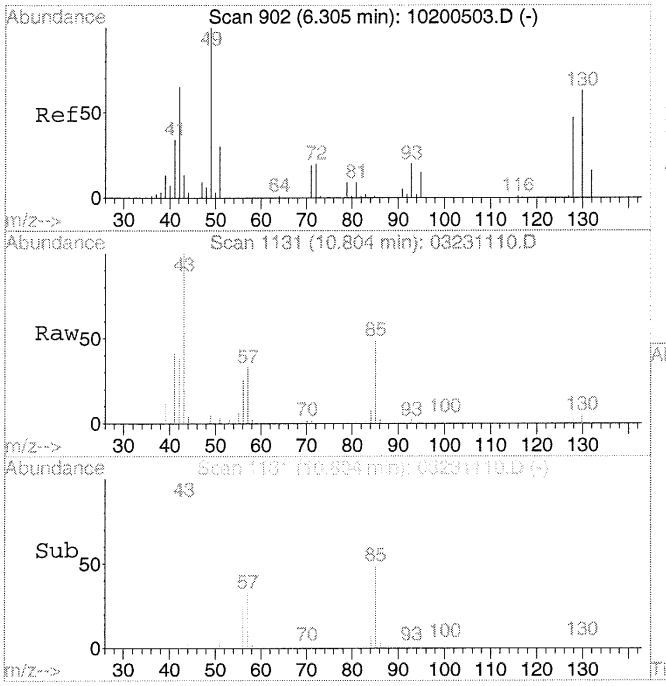


#24
2-Butanone
Concen: 1.72 ppbv
RT: 10.43 min Scan# 1059
Delta R.T. 0.01 min
Lab File: 03231110.D
Acq: 23 Mar 2011 7:03 pm

Tgt Ion: 43 Resp: 122277

Ion	Ratio	Lower	Upper
43	100		
72	21.9	23.4	35.2#
57	7.4	6.9	10.3

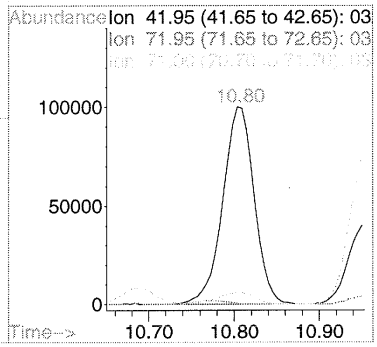


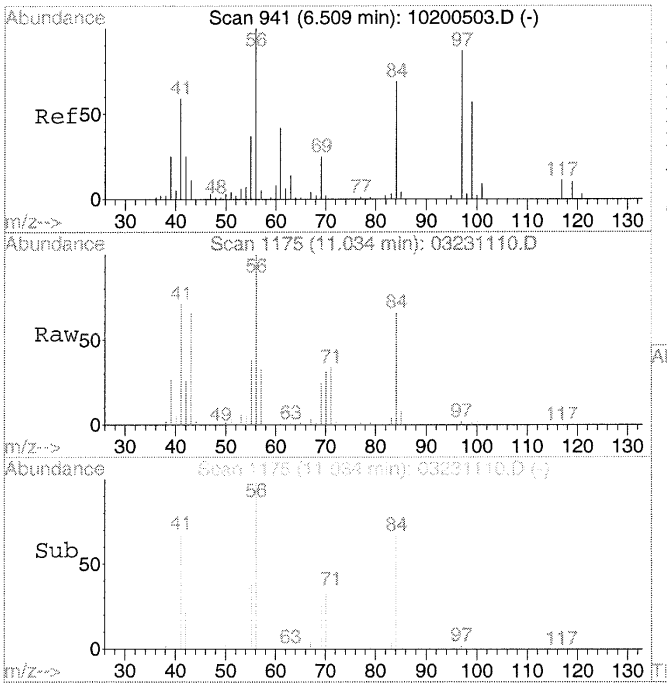


#26
Tetrahydrofuran
Concen: 5.48 ppbv
RT: 10.80 min Scan# 1131
Delta R.T. 0.05 min
Lab File: 03231110.D
Acq: 23 Mar 2011 7:03 pm

Tgt Ion: 42 Resp: 255852

Ion	Ratio	Lower	Upper
42	100		
72	1.8	35.0	52.6#
71	7.4	31.9	47.9#

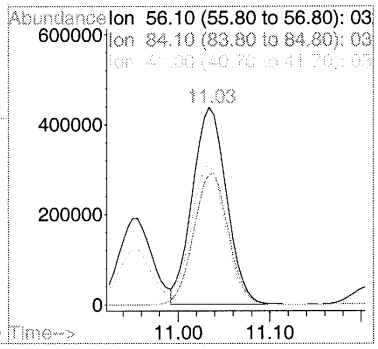


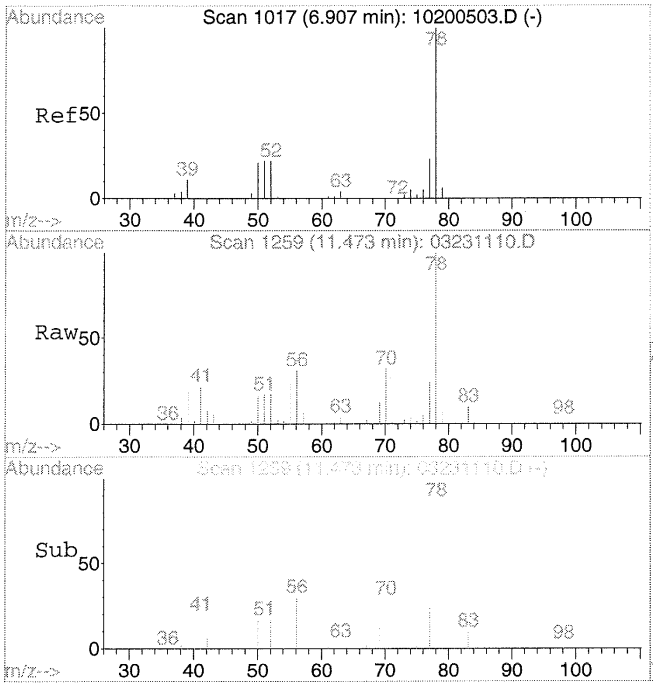


#29
Cyclohexane
Concen: 13.59 ppbv
RT: 11.03 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03231110.D
Acq: 23 Mar 2011 7:03 pm

Tgt Ion: 56 Resp: 1126338

Ion	Ratio	Lower	Upper
56	100		
84	67.9	72.4	108.6#
41	71.4	43.8	65.8#

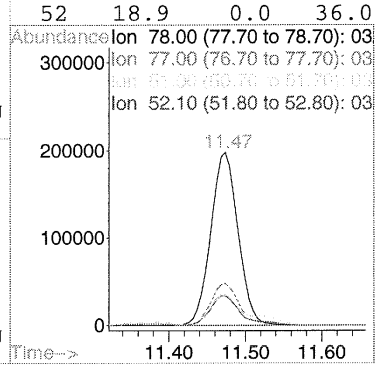


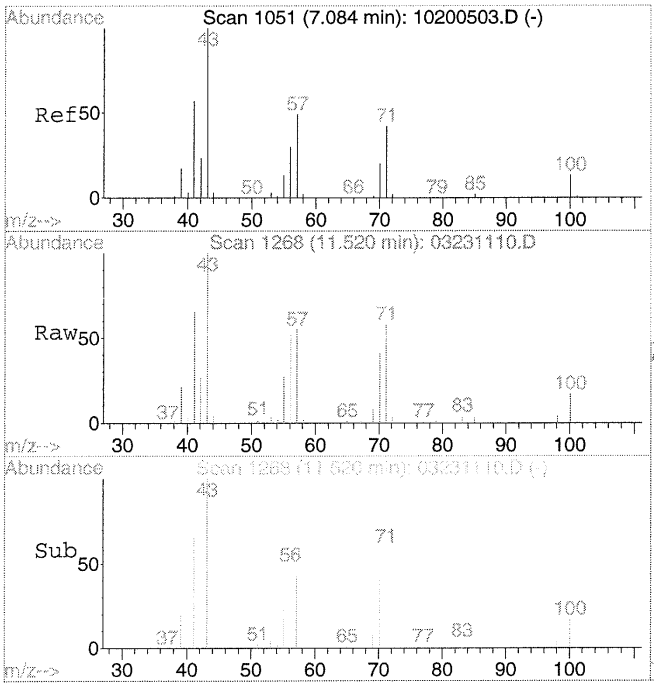


#31
Benzene
Concen: 3.53 ppbv
RT: 11.47 min Scan# 1259
Delta R.T. 0.00 min
Lab File: 03231110.D
Acq: 23 Mar 2011 7:03 pm

Tgt Ion: 78 Resp: 489101

Ion	Ratio	Lower	Upper
78	100		
77	25.6	3.7	43.7
51	18.1	0.0	36.1
52	18.9	0.0	36.0

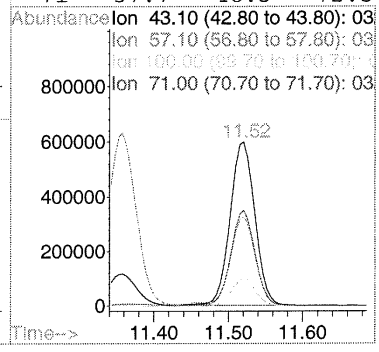


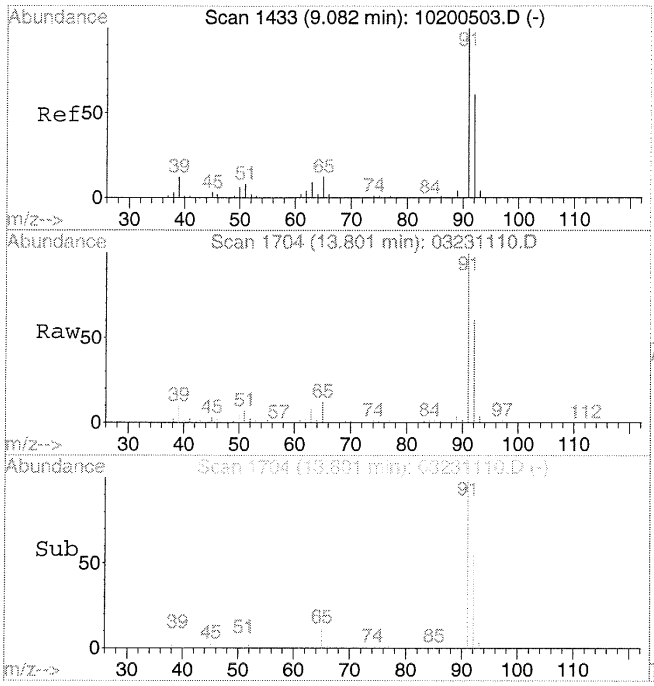


#34
Heptane
Concen: 14.47 ppbv
RT: 11.52 min Scan# 1268
Delta R.T. -0.00 min
Lab File: 03231110.D
Acq: 23 Mar 2011 7:03 pm

Tgt Ion: 43 Resp: 1393904

Ion	Ratio	Lower	Upper
43	100		
57	56.4	42.2	63.4
100	16.1	17.3	25.9#
71	57.7	48.3	72.5

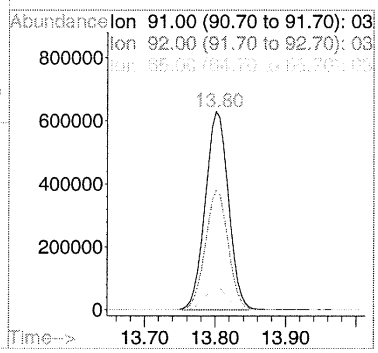


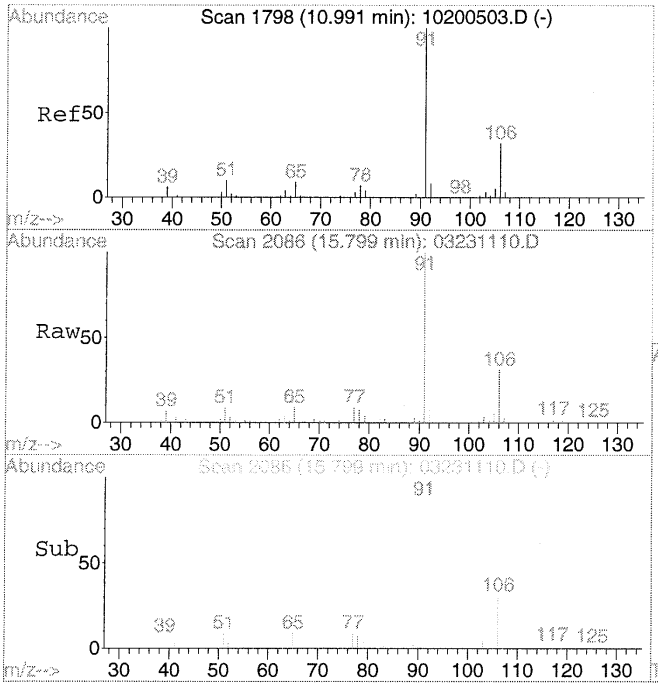


#41
Toluene
Concen: 9.66 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03231110.D
Acq: 23 Mar 2011 7:03 pm

Tgt Ion: 91 Resp: 1451241

Ion	Ratio	Lower	Upper
91	100		
92	59.5	40.5	80.5
65	11.4	0.0	31.2

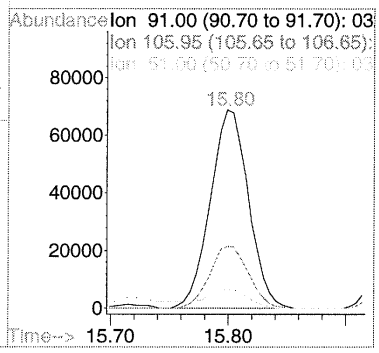


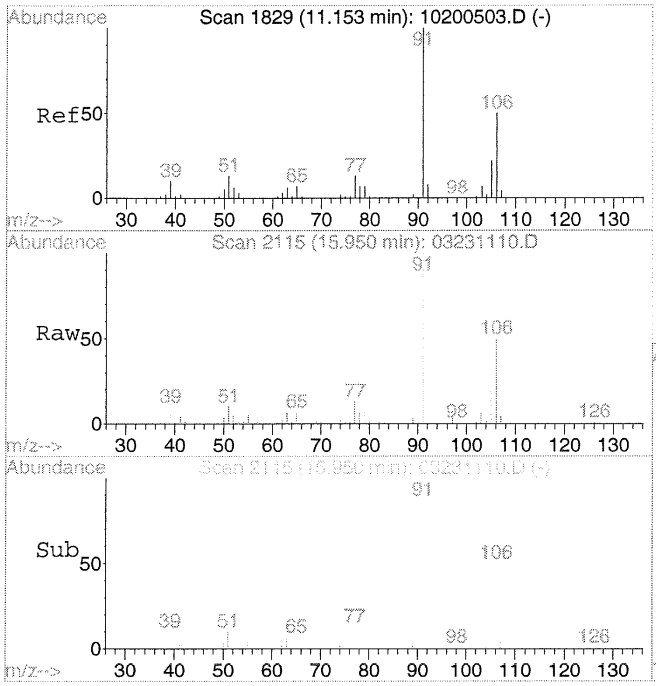


#50
Ethylbenzene
Concen: 0.96 ppbv
RT: 15.80 min Scan# 2086
Delta R.T. -0.00 min
Lab File: 03231110.D
Acq: 23 Mar 2011 7:03 pm

Tgt Ion: 91 Resp: 155414

Ion	Ratio	Lower	Upper
91	100		
106	31.9	14.9	54.9
51	10.4	0.0	33.1

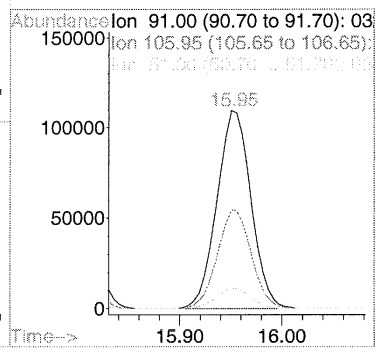


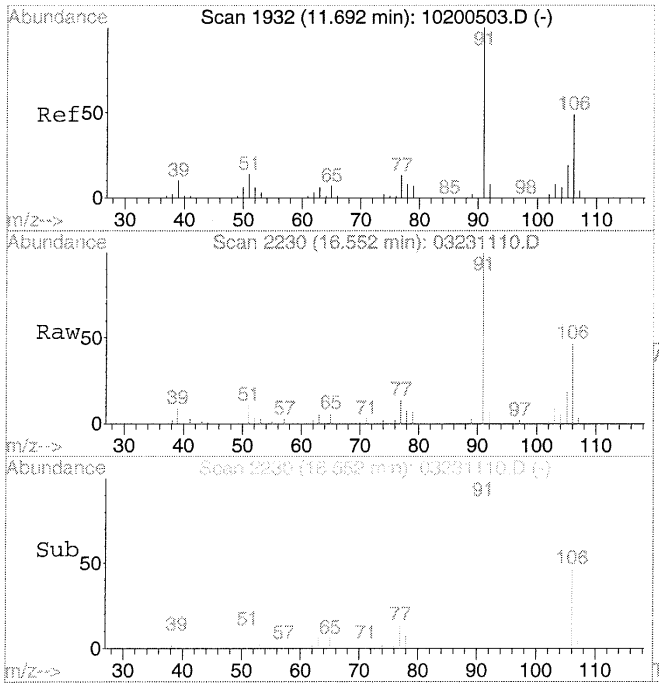


#51
m,p-Xylene
Concen: 2.03 ppbv
RT: 15.95 min Scan# 2115
Delta R.T. -0.01 min
Lab File: 03231110.D
Acq: 23 Mar 2011 7:03 pm

Tgt Ion: 91 Resp: 254175

Ion	Ratio	Lower	Upper
91	100		
106	49.6	35.6	75.6
51	10.5	0.0	29.6

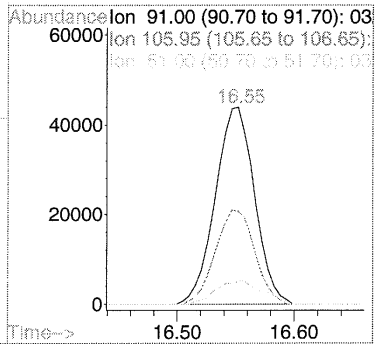




#52
o-Xylene
Concen: 0.84 ppbv
RT: 16.55 min Scan# 2230
Delta R.T. 0.00 min
Lab File: 03231110.D
Acq: 23 Mar 2011 7:03 pm

Tgt Ion: 91 Resp: 102657

Ion	Ratio	Lower	Upper
91	100		
106	47.9	41.0	61.6
51	14.0	19.7	29.5#



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231111.D Vial: 16
Acq On : 23 Mar 2011 7:45 pm Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 160000.00
MS Integration Params: CLME.P
Quant Time: Mar 23 21:10 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	561562	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2000002	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.72	117	1407953	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	894803	12.68	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 101.44%				
Target Compounds							Qvalue
2) Propylene	5.67	41	36704	0.87	ppbv		85
7) 1,3-Butadiene	6.44	39	24048	0.57	ppbv		93
11) Ethanol	7.75	45	6212	0.67	ppbv	#	80
14) Acetone	8.37	43	536806	7.76	ppbv	#	94
16) 2-Propanol	8.43	45	49653	1.00	ppbv	#	1
17) Methylene chloride	8.93	49	39175	0.69	ppbv		92
20) n-Hexane	9.39	57	574649	7.01	ppbv		97
24) 2-Butanone	10.43	43	104385	1.46	ppbv	#	91
26) Tetrahydrofuran	10.81	42	218049	4.66	ppbv	#	42
29) Cyclohexane	11.04	56	966816	11.64	ppbv	#	76
31) Benzene	11.47	78	416844	3.00	ppbv		95
34) Heptane*	11.52	43	1213492	12.56	ppbv	#	94
41) Toluene	13.80	91	1294721	8.59	ppbv		98
50) Ethylbenzene	15.80	91	143576	0.88	ppbv		94
51) m,p-Xylene	15.95	91	230261	1.82	ppbv		93
52) o-Xylene	16.55	91	95563	0.77	ppbv	#	89

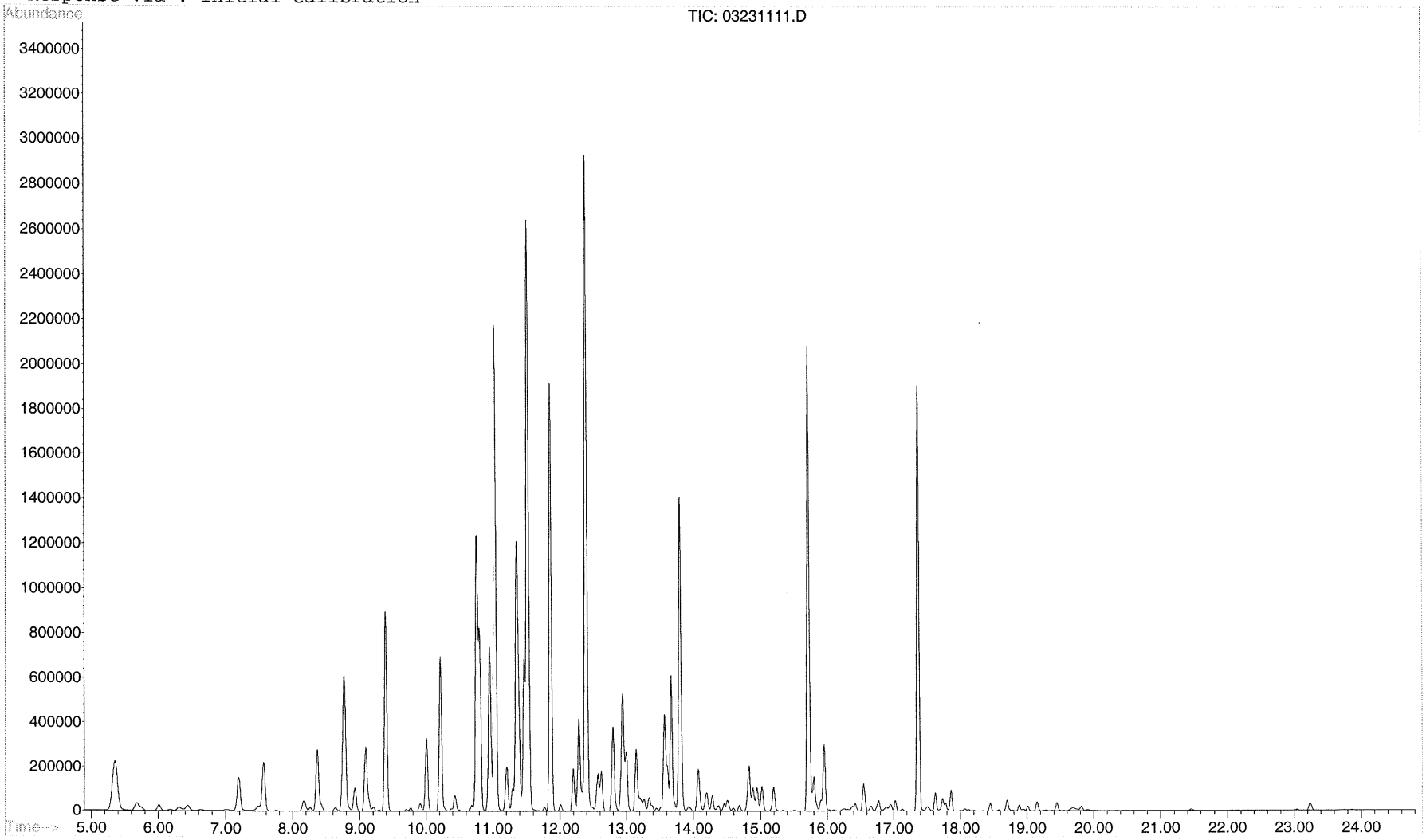
* = reported only 4/15/11 AP

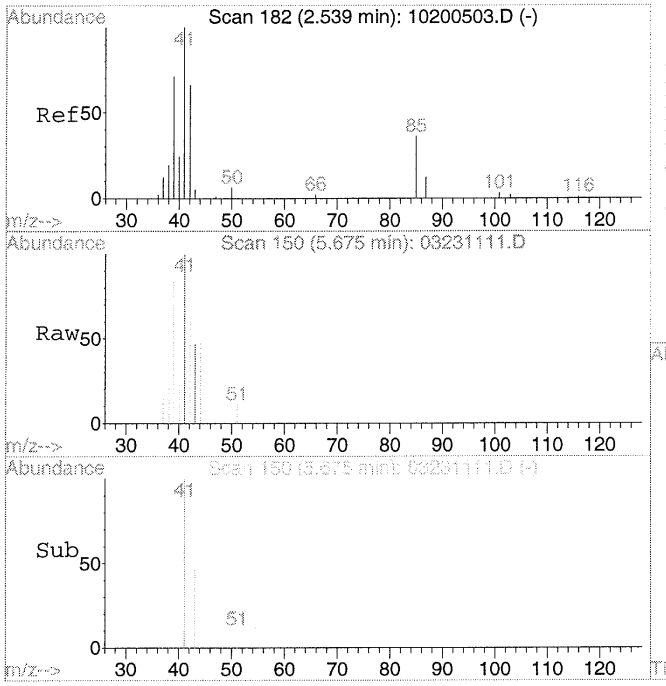
(#) = qualifier out of range (m) = manual integration
03231111.D 031611V1.M Wed Apr 13 18:20:18 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\032311\03231111.D Vial: 16
Acq On : 23 Mar 2011 7:45 pm Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 160000.00
MS Integration Params: CLME.P
Quant Time: Mar 23 21:10 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

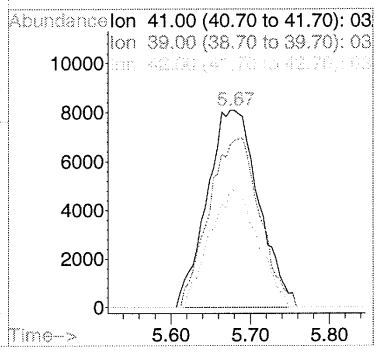


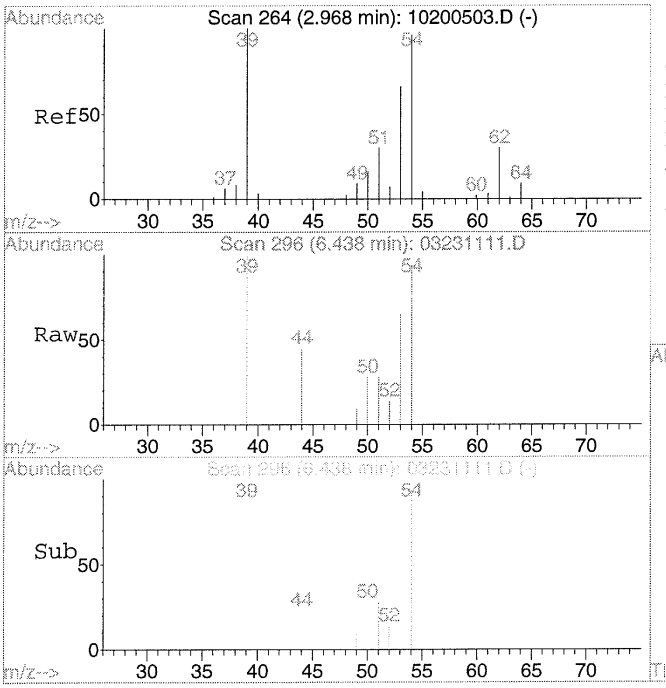


#2
Propylene
Concen: 0.87 ppbv
RT: 5.67 min Scan# 150
Delta R.T. -0.01 min
Lab File: 03231111.D
Acq: 23 Mar 2011 7:45 pm

Tgt Ion: 41 Resp: 36704

Ion	Ratio	Lower	Upper
41	100		
39	84.7	57.6	86.4
42	56.2	54.0	81.0

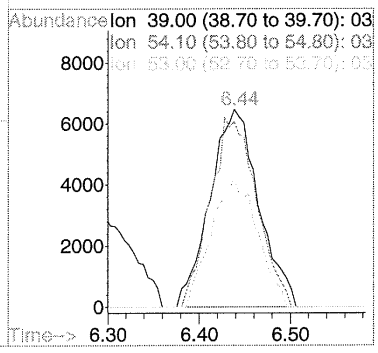


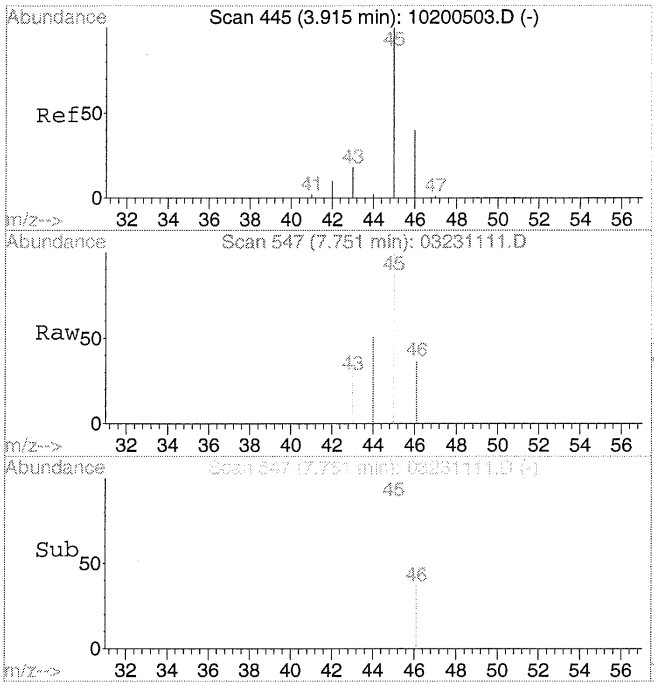


#7
1,3-Butadiene
Concen: 0.57 ppbv
RT: 6.44 min Scan# 296
Delta R.T. -0.00 min
Lab File: 03231111.D
Acq: 23 Mar 2011 7:45 pm

Tgt Ion: 39 Resp: 24048

Ion	Ratio	Lower	Upper
39	100		
54	91.3	79.4	119.0
53	61.6	53.2	79.8

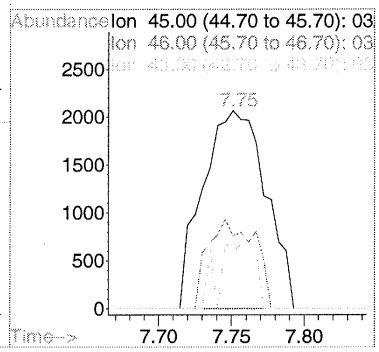


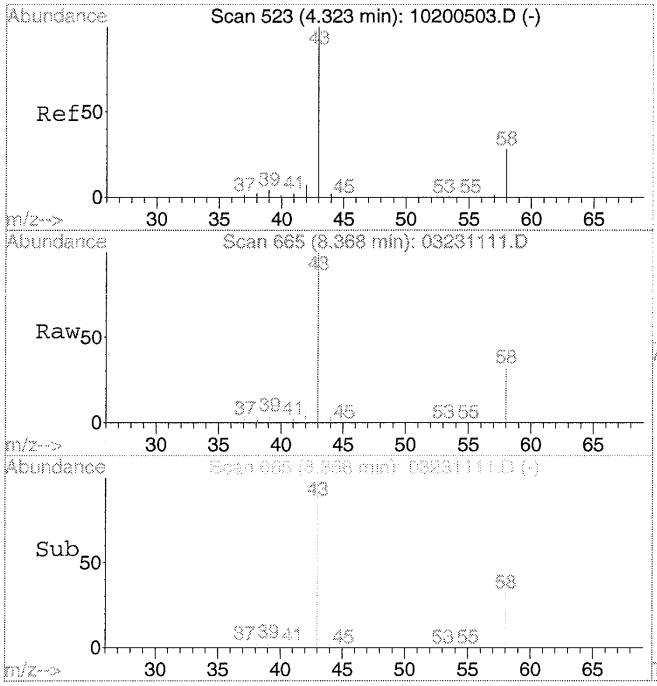


#11
Ethanol
Concen: 0.67 ppbv
RT: 7.75 min Scan# 547
Delta R.T. 0.02 min
Lab File: 03231111.D
Acq: 23 Mar 2011 7:45 pm

Tgt Ion: 45 Resp: 6212

Ion	Ratio	Lower	Upper
45	100		
46	33.1	30.2	45.4
43	0.0	15.8	23.6#

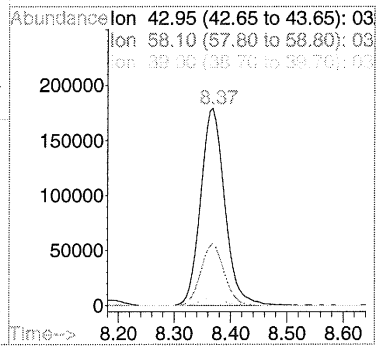


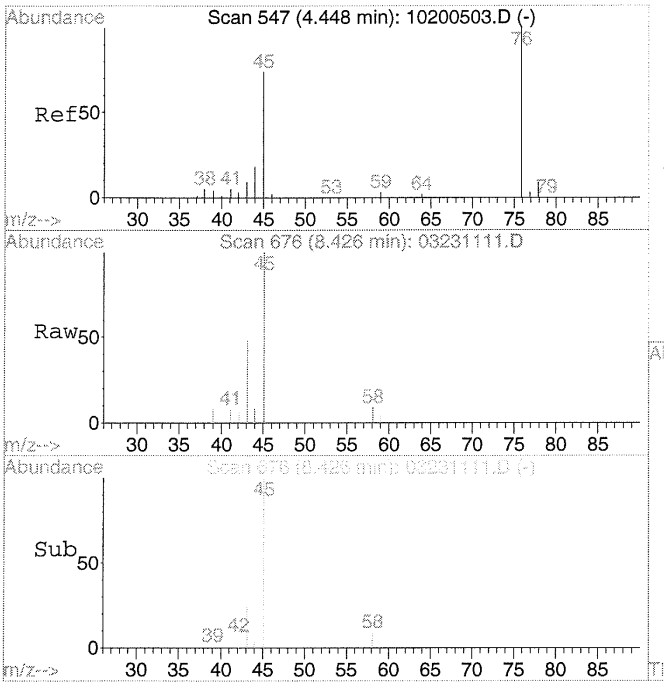


#14
Acetone
Concen: 7.76 ppbv
RT: 8.37 min Scan# 665
Delta R.T. 0.01 min
Lab File: 03231111.D
Acq: 23 Mar 2011 7:45 pm

Tgt Ion: 43 Resp: 536806

Ion	Ratio	Lower	Upper
43	100		
58	30.2	22.0	33.0
39	4.3	6.5	9.7#

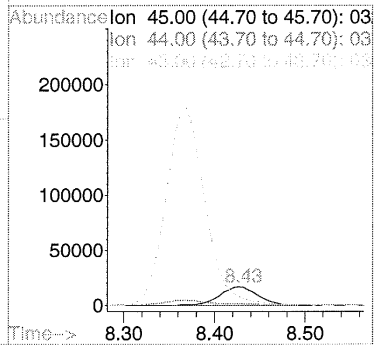


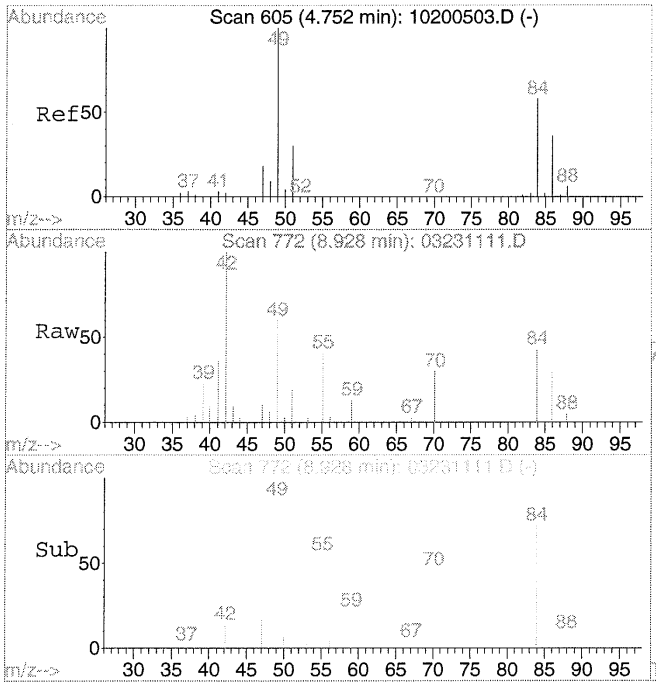


#16
2-Propanol
Concen: 1.00 ppbv
RT: 8.43 min Scan# 676
Delta R.T. 0.03 min
Lab File: 03231111.D
Acq: 23 Mar 2011 7:45 pm

Tgt Ion: 45 Resp: 49653

Ion	Ratio	Lower	Upper
45	100		
44	0.0	5.2	7.8#
43	0.0	101.1	151.7#

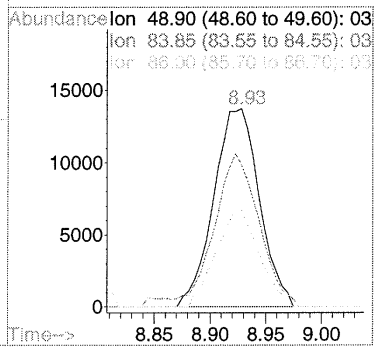


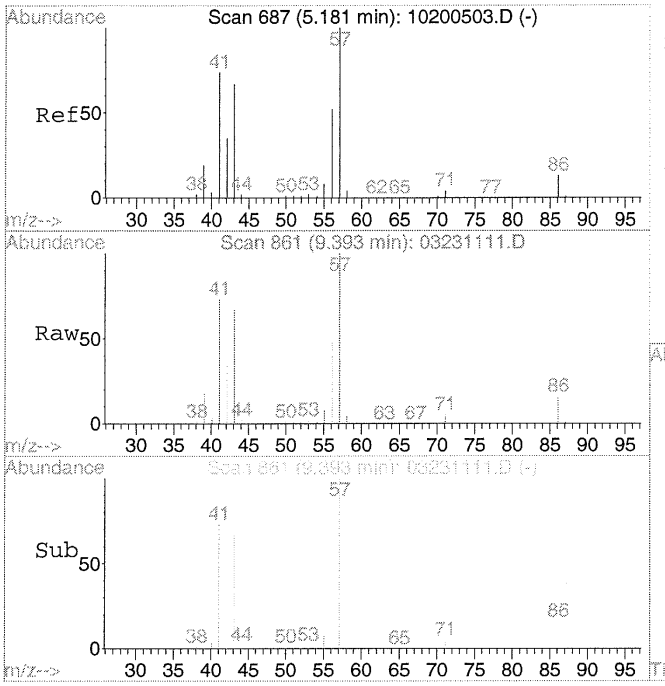


#17
Methylene chloride
Concen: 0.69 ppbv
RT: 8.93 min Scan# 772
Delta R.T. 0.00 min
Lab File: 03231111.D
Acq: 23 Mar 2011 7:45 pm

Tgt Ion: 49 Resp: 39175

Ion	Ratio	Lower	Upper
49	100		
84	75.7	65.4	98.2
86	46.7	42.3	63.5

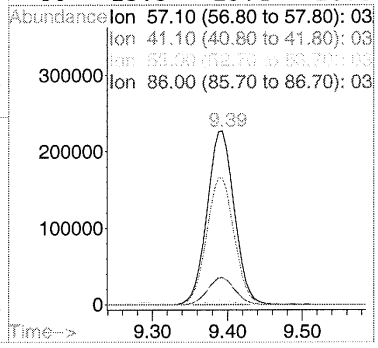


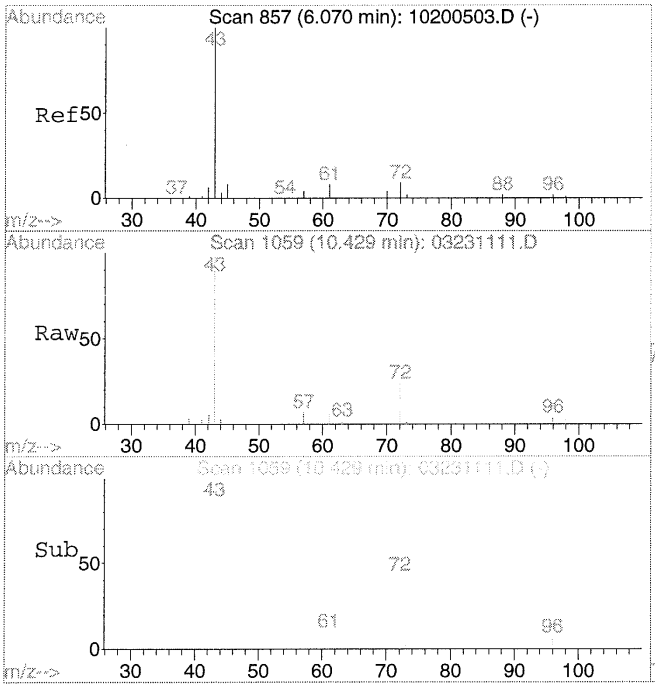


#20
n-Hexane
Concen: 7.01 ppbv
RT: 9.39 min Scan# 861
Delta R.T. -0.00 min
Lab File: 03231111.D
Acq: 23 Mar 2011 7:45 pm

Tgt Ion: 57 Resp: 574649

Ion	Ratio	Lower	Upper
57	100		
41	74.3	57.2	85.8
53	2.3	1.8	2.8
86	15.5	13.4	20.0

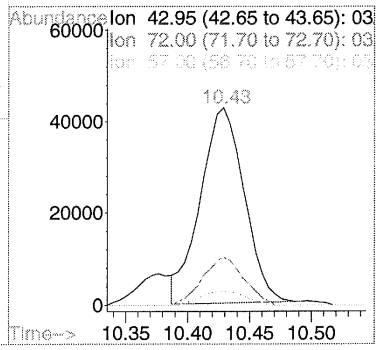


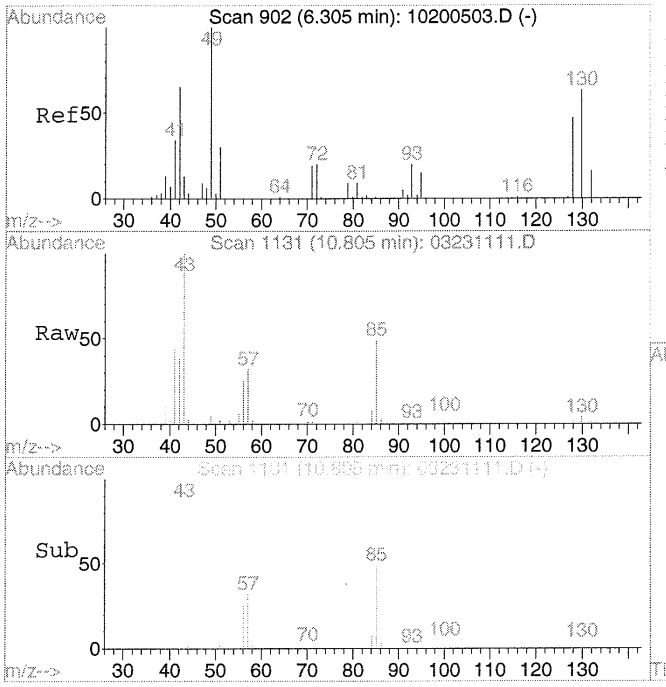


#24
2-Butanone
Concen: 1.46 ppbv
RT: 10.43 min Scan# 1059
Delta R.T. 0.01 min
Lab File: 03231111.D
Acq: 23 Mar 2011 7:45 pm

Tgt Ion: 43 Resp: 104385

Ion	Ratio	Lower	Upper
43	100		
72	23.2	23.4	35.2#
57	7.4	6.9	10.3

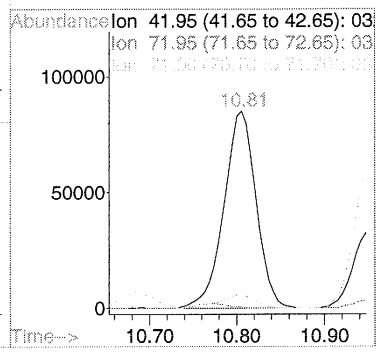


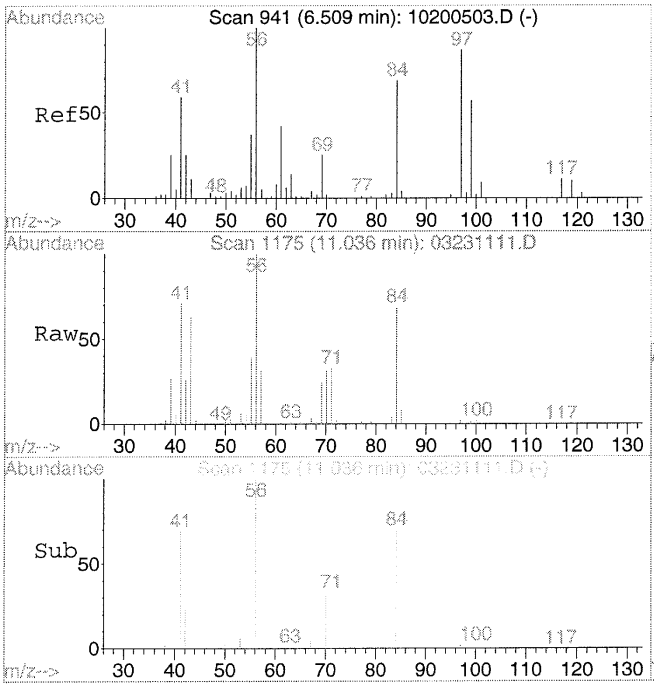


#26
Tetrahydrofuran
Concen: 4.66 ppbv
RT: 10.81 min Scan# 1131
Delta R.T. 0.05 min
Lab File: 03231111.D
Acq: 23 Mar 2011 7:45 pm

Tgt Ion: 42 Resp: 218049

Ion	Ratio	Lower	Upper
42	100		
72	2.3	35.0	52.6#
71	7.7	31.9	47.9#

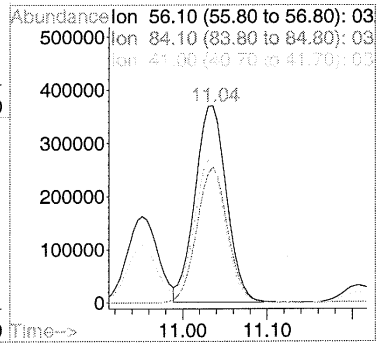


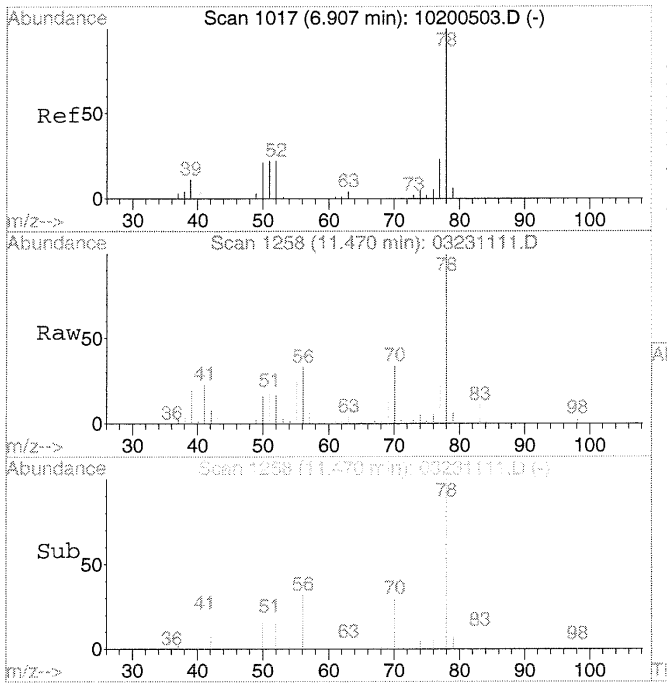


#29
Cyclohexane
Concen: 11.64 ppbv
RT: 11.04 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03231111.D
Acq: 23 Mar 2011 7:45 pm

Tgt Ion: 56 Resp: 966816

Ion	Ratio	Lower	Upper
56	100		
84	67.8	72.4	108.6#
41	71.8	43.8	65.8#

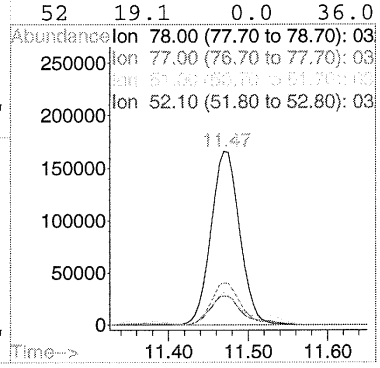


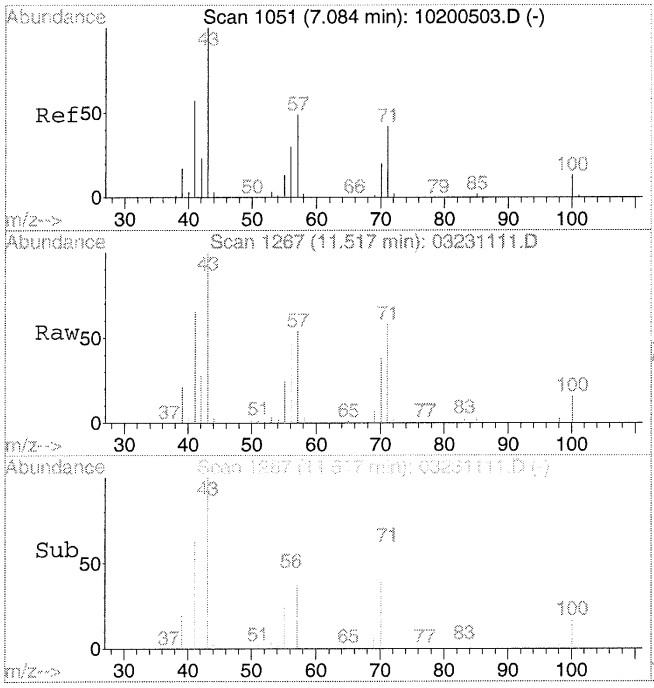


#31
Benzene
Concen: 3.00 ppbv
RT: 11.47 min Scan# 1258
Delta R.T. -0.00 min
Lab File: 03231111.D
Acq: 23 Mar 2011 7:45 pm

Tgt Ion: 78 Resp: 416844

Ion	Ratio	Lower	Upper
78	100		
77	25.6	3.7	43.7
51	17.9	0.0	36.1
52	19.1	0.0	36.0

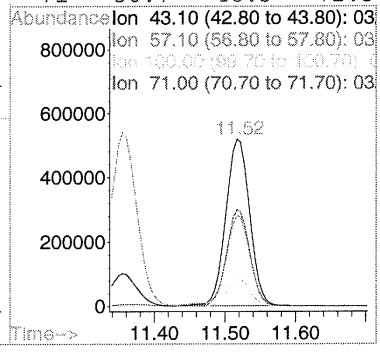


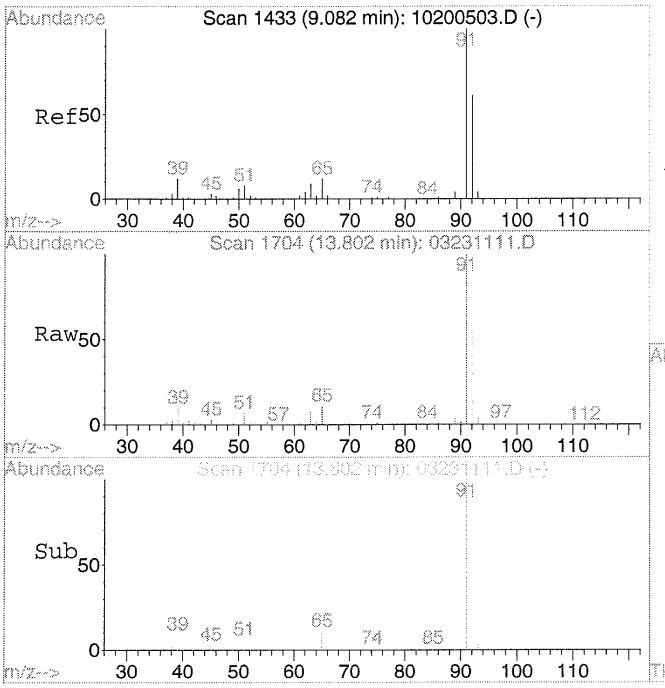


#34
Heptane
Concen: 12.56 ppbv
RT: 11.52 min Scan# 1267
Delta R.T. -0.01 min
Lab File: 03231111.D
Acq: 23 Mar 2011 7:45 pm

Tgt Ion: 43 Resp: 1213492

Ion	Ratio	Lower	Upper
43	100		
57	55.9	42.2	63.4
100	15.8	17.3	25.9#
71	56.7	48.3	72.5

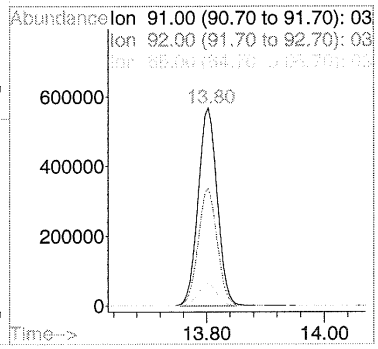


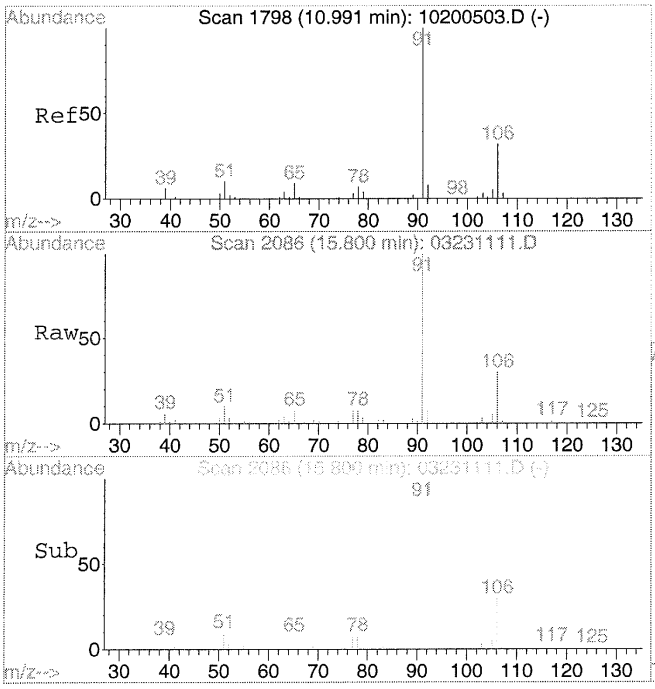


#41
Toluene
Concen: 8.59 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03231111.D
Acq: 23 Mar 2011 7:45 pm

Tgt Ion: 91 Resp: 1294721

Ion	Ratio	Lower	Upper
91	100		
92	58.9	40.5	80.5
65	11.4	0.0	31.2

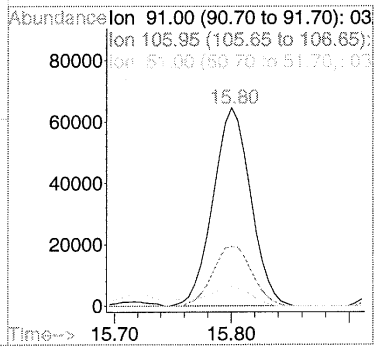


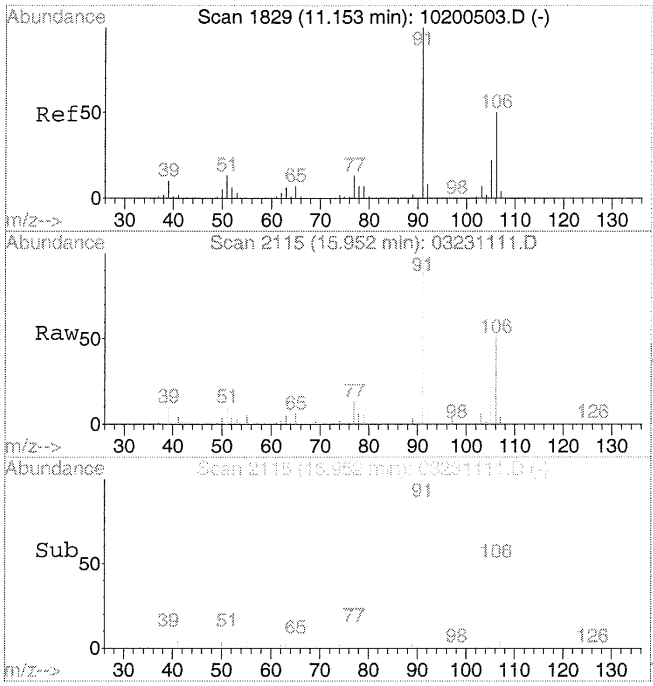


#50
Ethylbenzene
Concen: 0.88 ppbv
RT: 15.80 min Scan# 2086
Delta R.T. -0.00 min
Lab File: 03231111.D
Acq: 23 Mar 2011 7:45 pm

Tgt Ion: 91 Resp: 143576

Ion	Ratio	Lower	Upper
91	100		
106	31.3	14.9	54.9
51	10.2	0.0	33.1

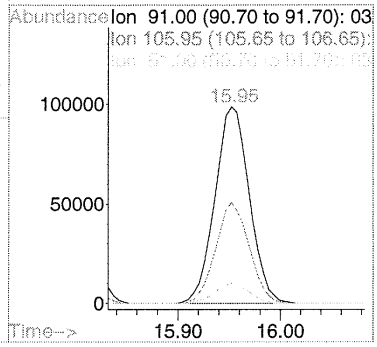


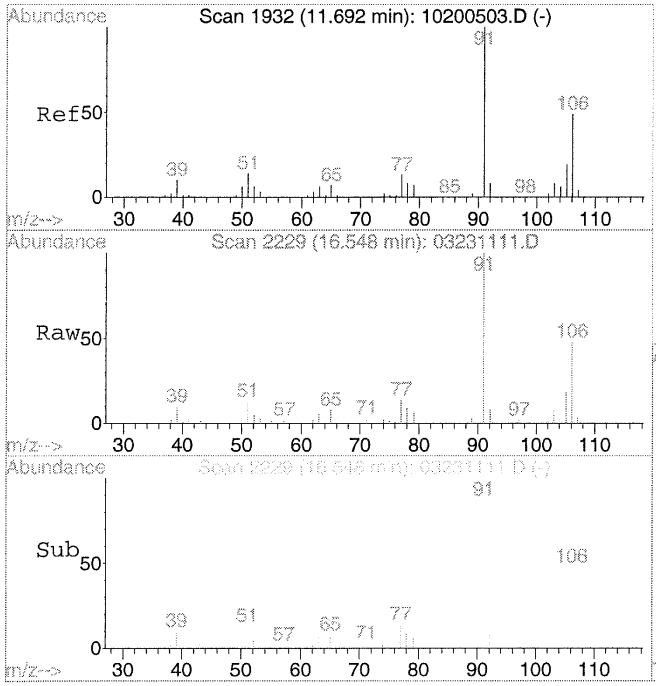


#51
m,p-Xylene
Concen: 1.82 ppbv
RT: 15.95 min Scan# 2115
Delta R.T. -0.01 min
Lab File: 03231111.D
Acq: 23 Mar 2011 7:45 pm

Tgt Ion: 91 Resp: 230261

Ion	Ratio	Lower	Upper
91	100		
106	50.0	35.6	75.6
51	10.2	0.0	29.6

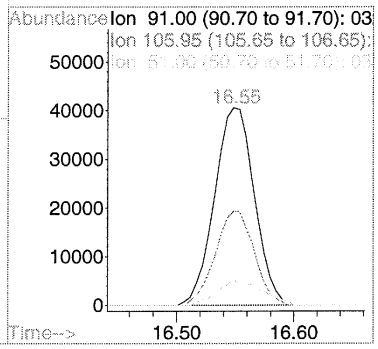




#52
o-Xylene
Concen: 0.77 ppbv
RT: 16.55 min Scan# 2229
Delta R.T. -0.00 min
Lab File: 03231111.D
Acq: 23 Mar 2011 7:45 pm

Tgt Ion: 91 Resp: 95563

Ion	Ratio	Lower	Upper
91	100		
106	46.5	41.0	61.6
51	14.4	19.7	29.5#



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231112.D Vial: 17
Acq On : 23 Mar 2011 8:27 pm Operator: Michael Truchan
Sample : 1103120-015A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: CLME.P
Quant Time: Mar 23 21:52 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

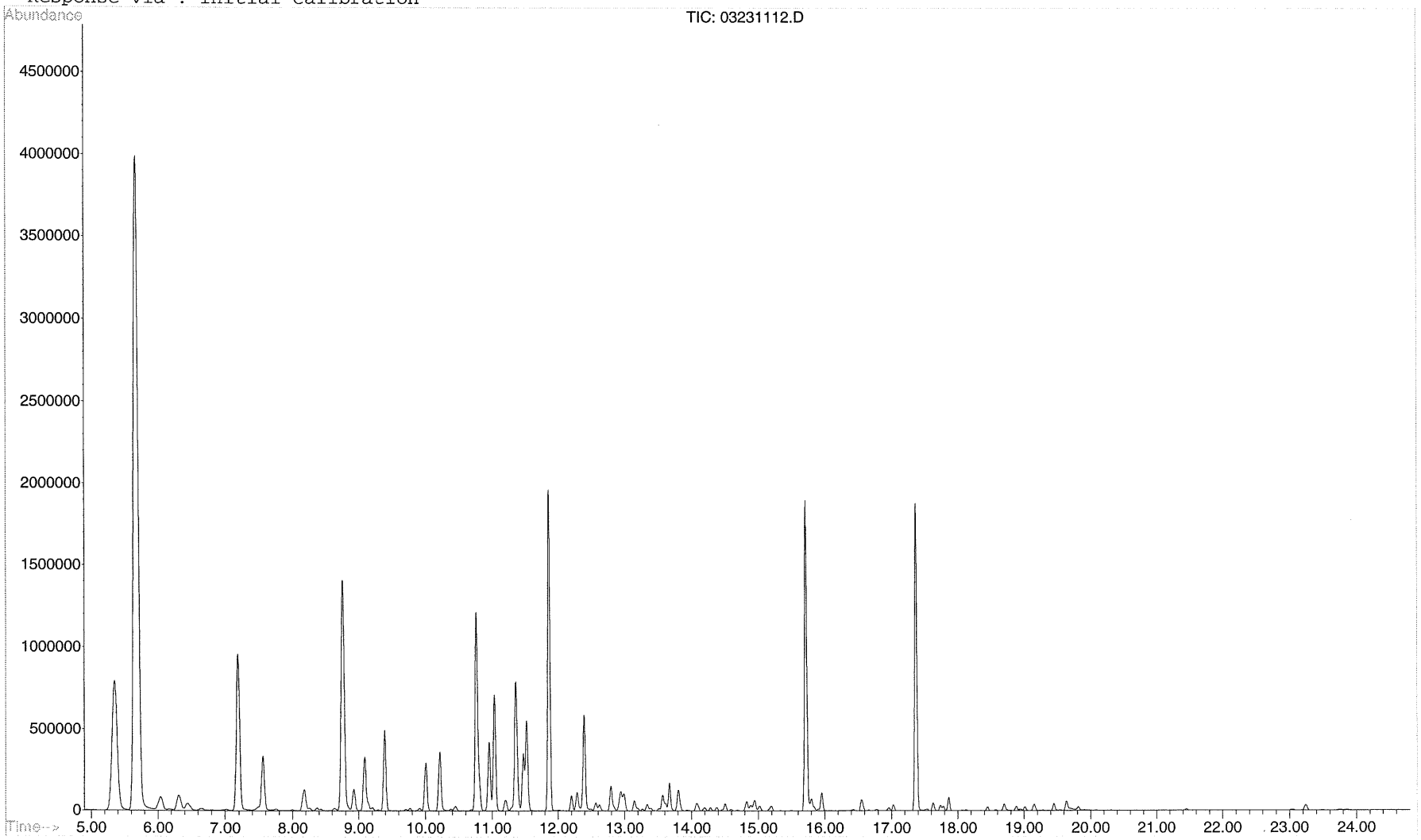
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.76	130	552628	12.50	ppbv	0.00
33) 1,4-Difluorobenzene	11.86	114	2022368	12.50	ppbv	0.00
48) Chlorobenzene-d5	15.72	117	1387100	12.50	ppbv	0.00
System Monitoring Compounds						
55) 4-Bromofluorobenzene	17.37	95	880551	12.67	ppbv	0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 101.36%			
Target Compounds						Qvalue
2) Propylene	5.67	41	2891386	69.80	ppbv #	54
7) 1,3-Butadiene	6.44	39	42146	1.01	ppbv #	78
14) Acetone	8.37	43	37917	0.56	ppbv #	93
17) Methylene chloride	8.92	49	36741	0.66	ppbv	92
20) n-Hexane	9.39	57	311032	3.85	ppbv	96
26) Tetrahydrofuran	10.80	42	56195	1.22	ppbv #	50
29) Cyclohexane	11.03	56	340307	4.16	ppbv #	81
31) Benzene	11.47	78	311775	2.28	ppbv	96
34) Heptane	11.52	43	245663	2.52	ppbv #	92
41) Toluene	13.81	91	113311	0.74	ppbv	98
51) m,p-Xylene	15.96	91	89385	0.72	ppbv	93

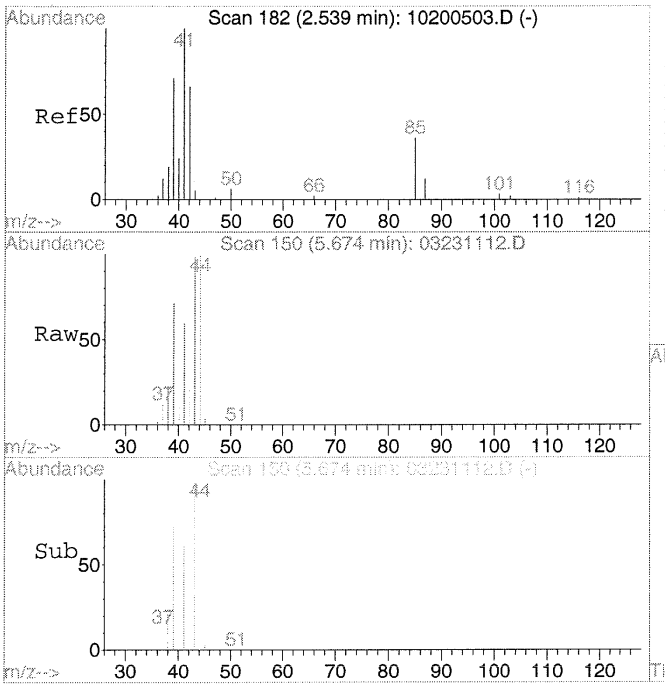
(#) = qualifier out of range (m) = manual integration
03231112.D 031611V1.M Wed Apr 13 18:20:34 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\032311\03231112.D Vial: 17
Acq On : 23 Mar 2011 8:27 pm Operator: Michael Truchan
Sample : 1103120-015A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: CLME.P
Quant Time: Mar 23 21:52 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

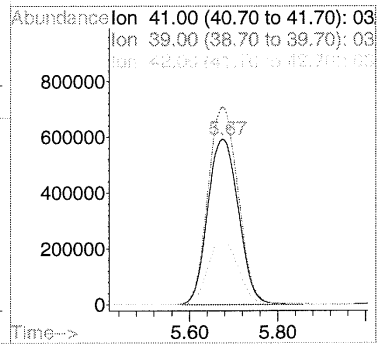


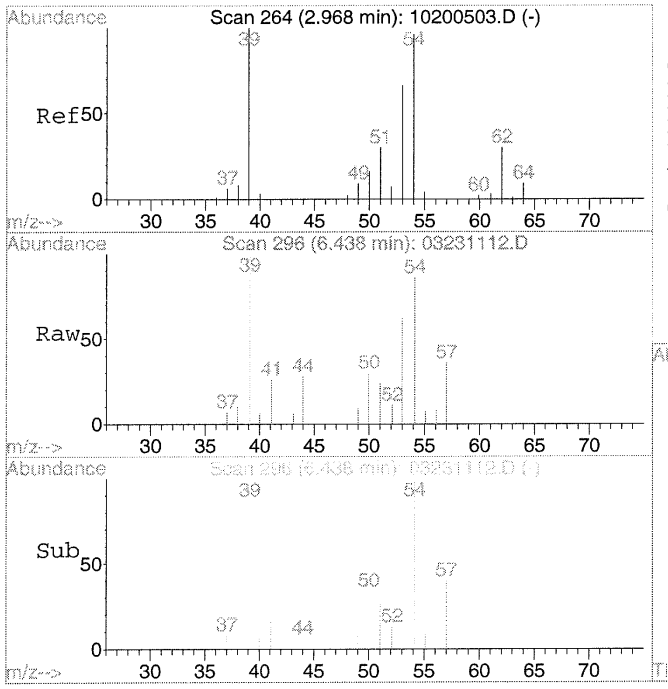


#2
Propylene
Concen: 69.80 ppbv
RT: 5.67 min Scan# 150
Delta R.T. -0.01 min
Lab File: 03231112.D
Acq: 23 Mar 2011 8:27 pm

Tgt Ion: 41 Resp: 2891386

Ion	Ratio	Lower	Upper
41	100		
39	117.3	57.6	86.4#
42	38.5	54.0	81.0#

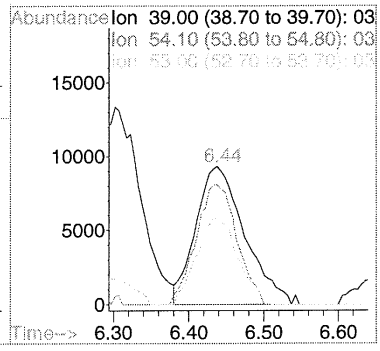


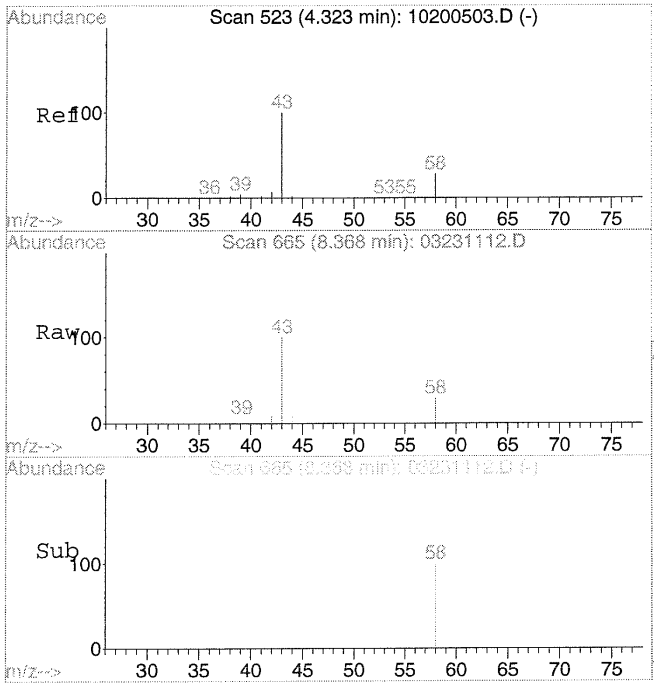


#7
1,3-Butadiene
Concen: 1.01 ppbv
RT: 6.44 min Scan# 296
Delta R.T. -0.00 min
Lab File: 03231112.D
Acq: 23 Mar 2011 8:27 pm

Tgt Ion: 39 Resp: 42146

Ion	Ratio	Lower	Upper
39	100		
54	72.6	79.4	119.0#
53	53.9	53.2	79.8

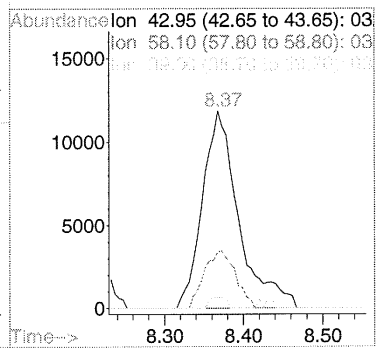


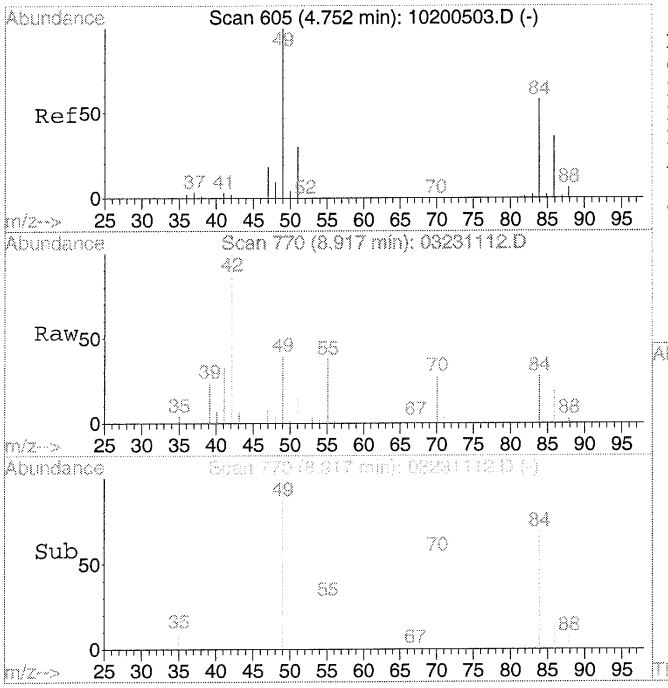


#14
Acetone
Concen: 0.56 ppbv
RT: 8.37 min Scan# 665
Delta R.T. 0.01 min
Lab File: 03231112.D
Acq: 23 Mar 2011 8:27 pm

Tgt Ion: 43 Resp: 37917

Ion	Ratio	Lower	Upper
43	100		
58	25.2	22.0	33.0
39	2.6	6.5	9.7#

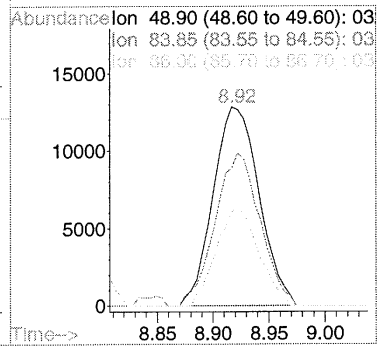


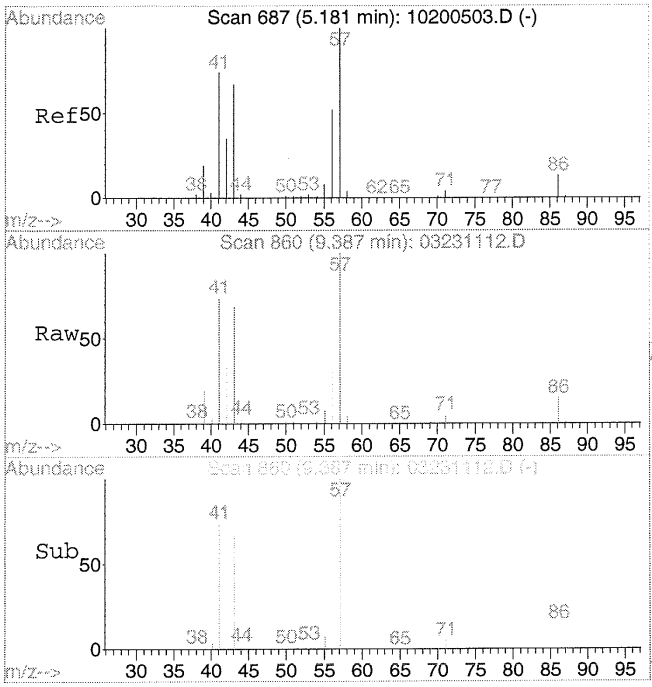


#17
Methylene chloride
Concen: 0.66 ppbv
RT: 8.92 min Scan# 770
Delta R.T. -0.01 min
Lab File: 03231112.D
Acq: 23 Mar 2011 8:27 pm

Tgt Ion: 49 Resp: 36741

Ion	Ratio	Lower	Upper
49	100		
84	75.2	65.4	98.2
86	46.1	42.3	63.5

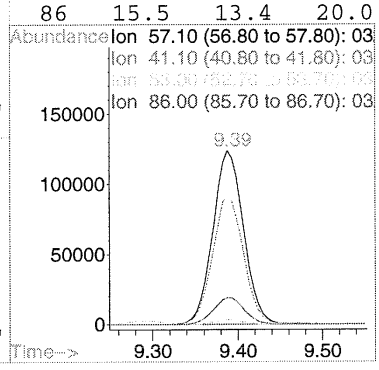


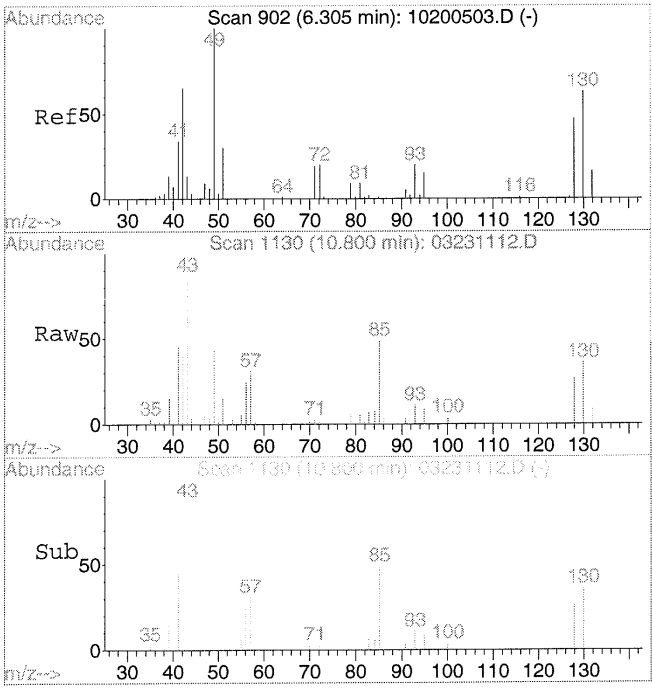


#20
n-Hexane
Concen: 3.85 ppbv
RT: 9.39 min Scan# 860
Delta R.T. -0.01 min
Lab File: 03231112.D
Acq: 23 Mar 2011 8:27 pm

Tgt Ion: 57 Resp: 311032

Ion	Ratio	Lower	Upper
57	100		
41	74.9	57.2	85.8
53	2.3	1.8	2.8
86	15.5	13.4	20.0

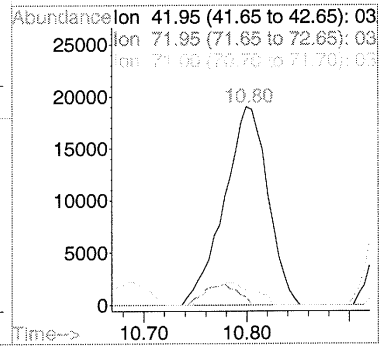


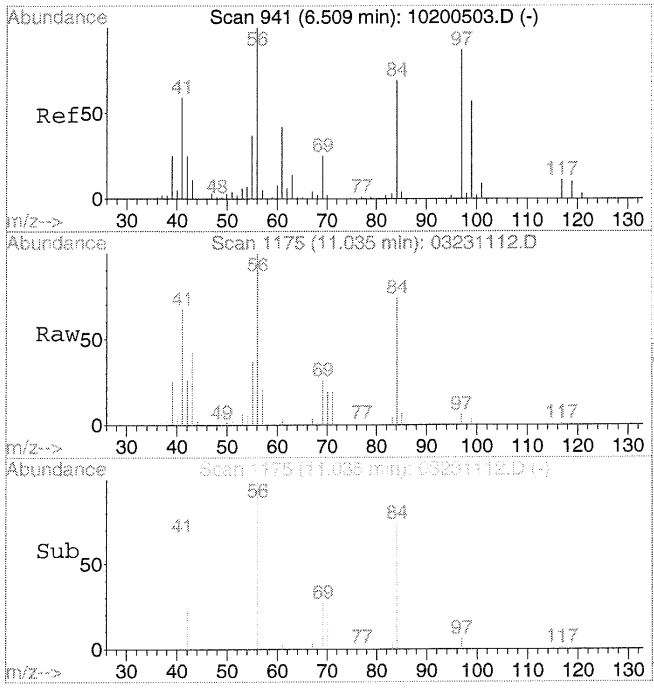


#26
Tetrahydrofuran
Concen: 1.22 ppbv
RT: 10.80 min Scan# 1130
Delta R.T. 0.05 min
Lab File: 03231112.D
Acq: 23 Mar 2011 8:27 pm

Tgt Ion: 42 Resp: 56195

Ion	Ratio	Lower	Upper
42	100		
72	8.3	35.0	52.6#
71	12.0	31.9	47.9#

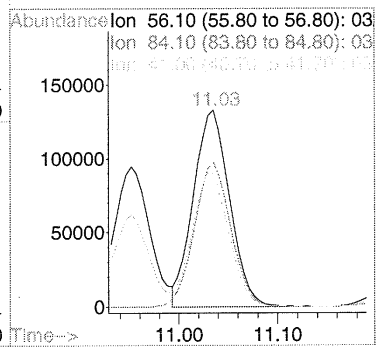


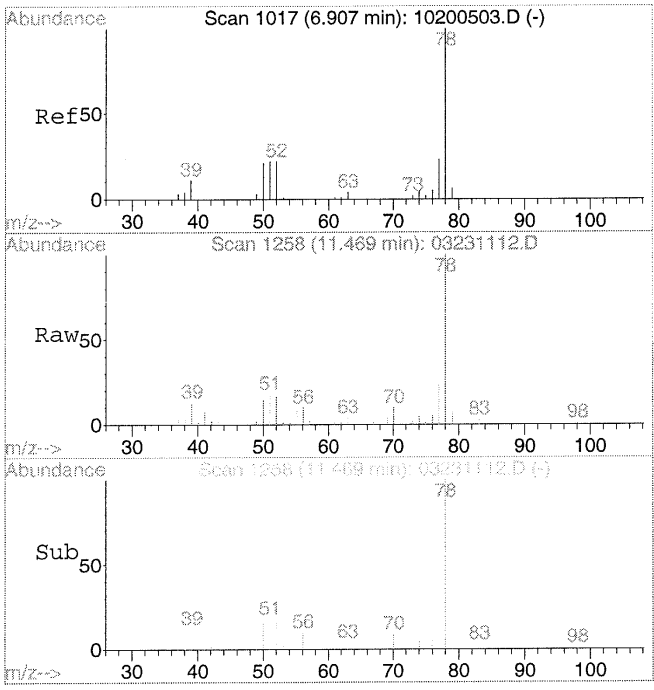


#29
Cyclohexane
Concen: 4.16 ppbv
RT: 11.03 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03231112.D
Acq: 23 Mar 2011 8:27 pm

Tgt Ion: 56 Resp: 340307

Ion	Ratio	Lower	Upper
56	100		
84	73.5	72.4	108.6
41	69.7	43.8	65.8#

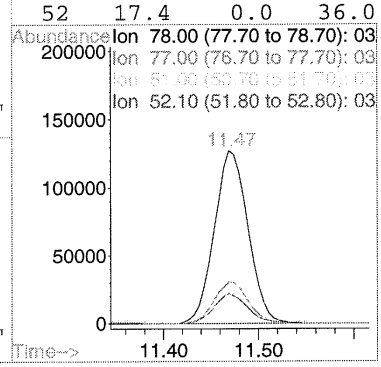


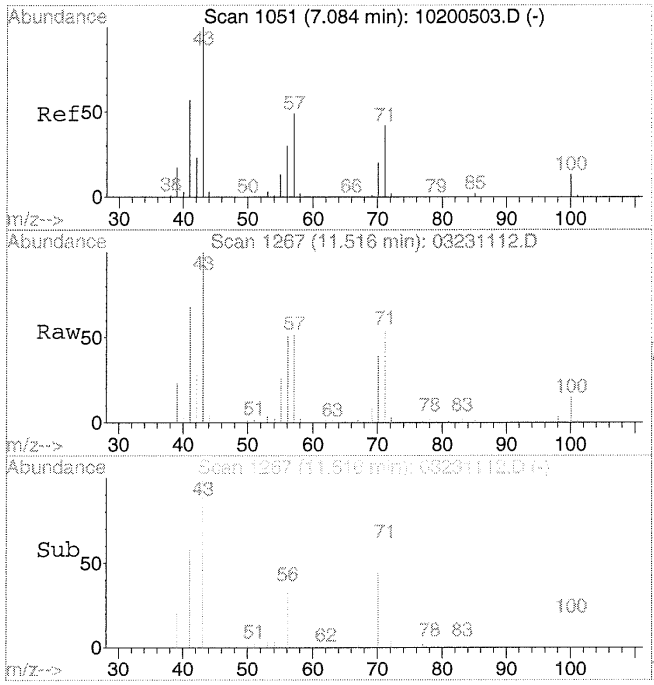


#31
Benzene
Concen: 2.28 ppbv
RT: 11.47 min Scan# 1258
Delta R.T. -0.00 min
Lab File: 03231112.D
Acq: 23 Mar 2011 8:27 pm

Tgt Ion: 78 Resp: 311775

Ion	Ratio	Lower	Upper
78	100		
77	24.5	3.7	43.7
51	19.6	0.0	36.1
52	17.4	0.0	36.0

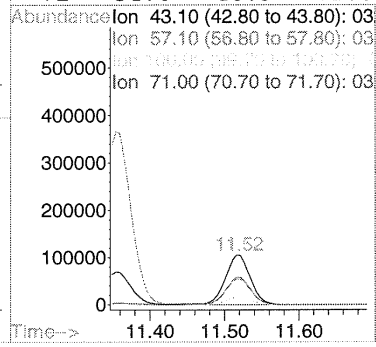


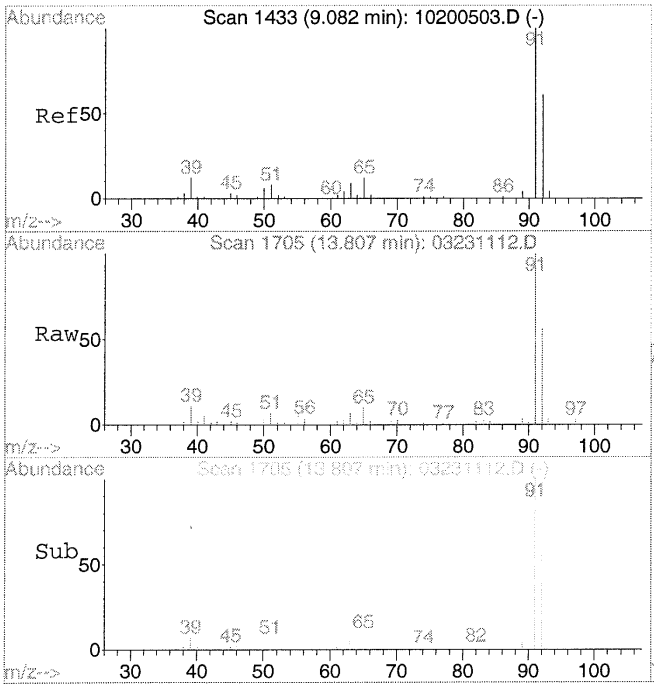


#34
Heptane
Concen: 2.52 ppbv
RT: 11.52 min Scan# 1267
Delta R.T. -0.01 min
Lab File: 03231112.D
Acq: 23 Mar 2011 8:27 pm

Tgt Ion: 43 Resp: 245663

Ion	Ratio	Lower	Upper
43	100		
57	56.3	42.2	63.4
100	14.9	17.3	25.9#
71	54.6	48.3	72.5

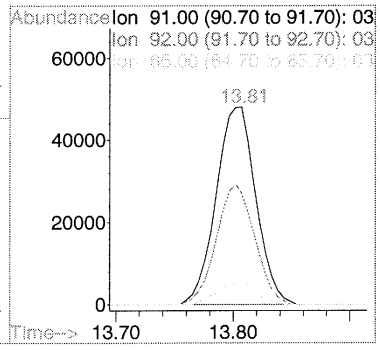


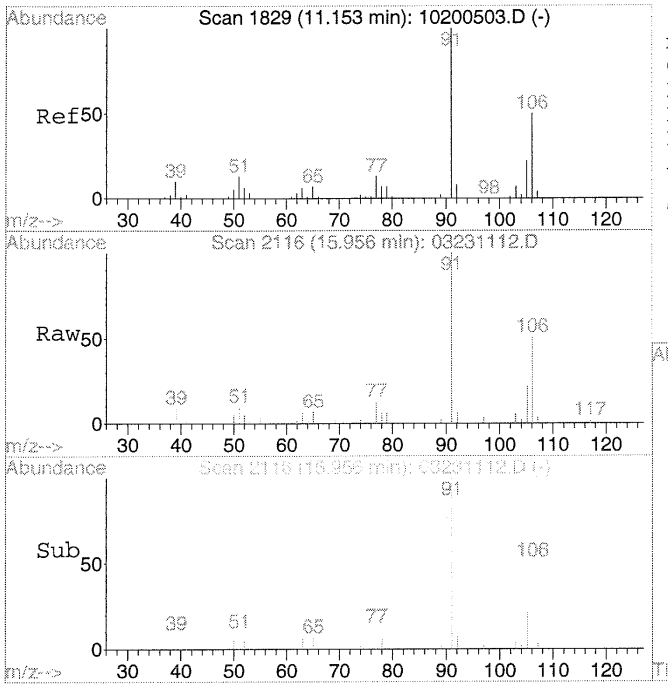


#41
Toluene
Concen: 0.74 ppbv
RT: 13.81 min Scan# 1705
Delta R.T. 0.00 min
Lab File: 03231112.D
Acq: 23 Mar 2011 8:27 pm

Tgt Ion: 91 Resp: 113311

Ion	Ratio	Lower	Upper
91	100		
92	58.6	40.5	80.5
65	11.3	0.0	31.2

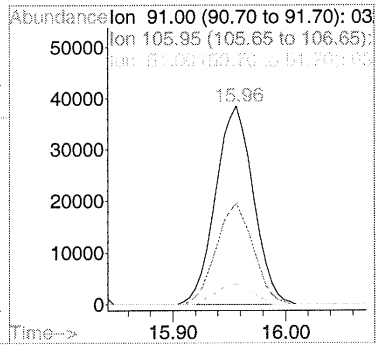




#51
m,p-Xylene
Concen: 0.72 ppbv
RT: 15.96 min Scan# 2116
Delta R.T. -0.00 min
Lab File: 03231112.D
Acq: 23 Mar 2011 8:27 pm

Tgt Ion: 91 Resp: 89385

Ion	Ratio	Lower	Upper
91	100		
106	50.0	35.6	75.6
51	10.0	0.0	29.6



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\032311\03231112.D Vial: 17
Acq On : 23 Mar 2011 8:27 pm Operator: Michael Truchan
Sample : 1103120-015A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

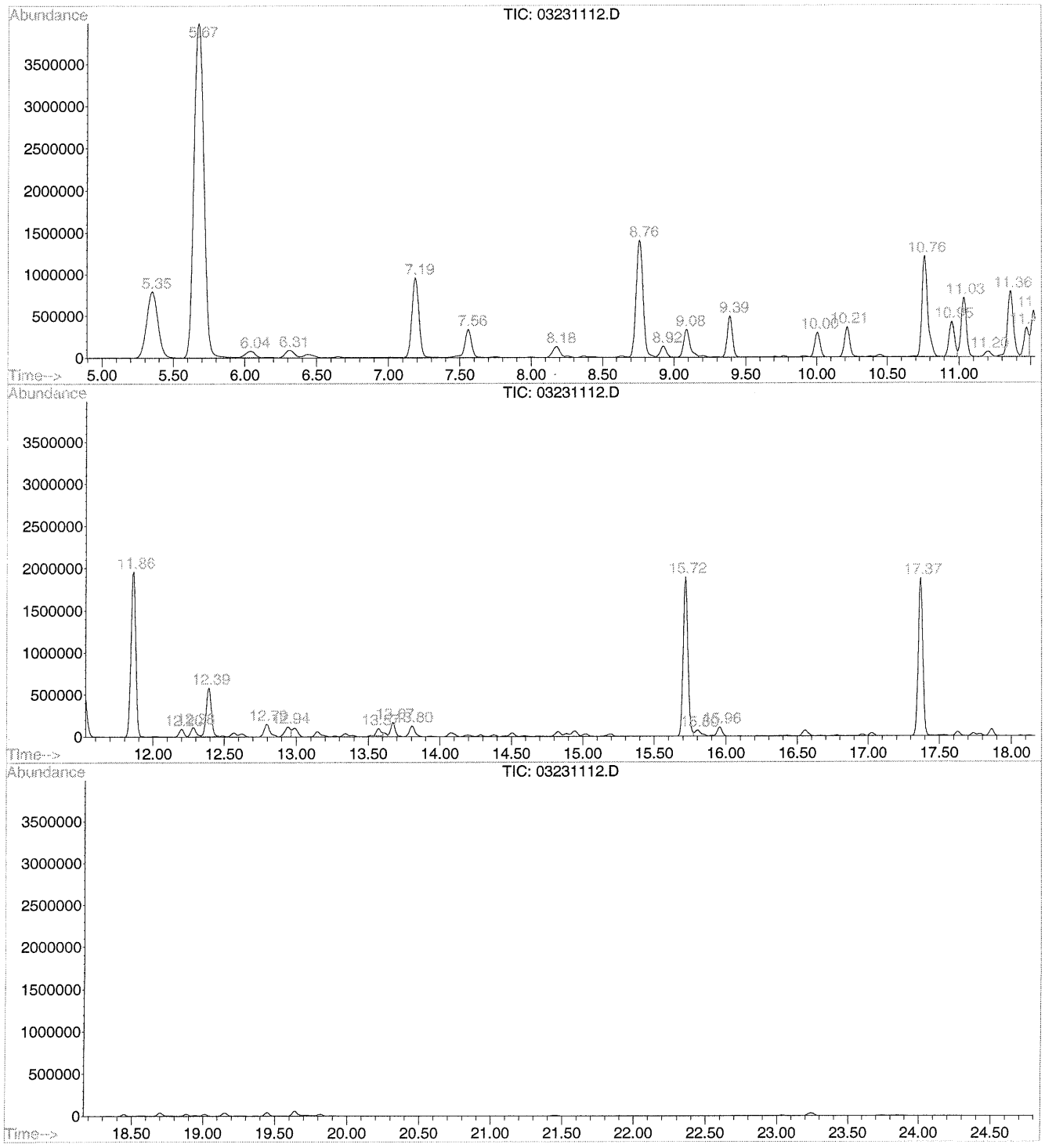
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.350	60	88	121	rBV	794072	4367386	22.47%	6.556%
2	5.674	129	150	192	rBV3	3985370	19439871	100.00%	29.182%
3	6.040	203	220	237	rVB5	77008	350481	1.80%	0.526%
4	6.312	257	272	285	rBV4	87666	381396	1.96%	0.573%
5	7.186	423	439	464	rBV	955109	3228049	16.61%	4.846%
6	7.557	499	510	529	rVB	334566	1027558	5.29%	1.543%
7	8.179	614	629	640	rBV6	129911	466249	2.40%	0.700%
8	8.760	724	740	761	rVV2	1406606	4742059	24.39%	7.119%
9	8.922	761	771	785	rVV2	132242	387493	1.99%	0.582%
10	9.084	789	802	819	rVV2	332490	1044075	5.37%	1.567%
11	9.387	849	860	874	rBV	492022	1224388	6.30%	1.838%
12	10.005	967	978	992	rVB	295324	777633	4.00%	1.167%
13	10.214	1007	1018	1036	rBV	361475	954316	4.91%	1.433%
14	10.763	1111	1123	1146	rVB2	1209214	3452454	17.76%	5.183%
15	10.951	1148	1159	1166	rVV2	420089	1064231	5.47%	1.598%
16	11.030	1166	1174	1192	rVB	709397	1842273	9.48%	2.766%
17	11.197	1195	1206	1217	rBV6	64273	194872	1.00%	0.293%
18	11.359	1217	1237	1249	rVV	787569	2284354	11.75%	3.429%
19	11.469	1249	1258	1262	rVV	350654	843538	4.34%	1.266%
20	11.521	1262	1268	1281	rVB2	551320	1382816	7.11%	2.076%
21	11.861	1320	1333	1351	rBV	1960355	4499138	23.14%	6.754%
22	12.201	1387	1398	1405	rBV2	93418	217795	1.12%	0.327%
23	12.285	1405	1414	1423	rVV2	109741	280991	1.45%	0.422%
24	12.389	1424	1434	1449	rVB	578249	1437863	7.40%	2.158%
25	12.792	1501	1511	1527	rBV3	150346	428722	2.21%	0.644%
26	12.944	1527	1540	1544	rBV3	116598	333867	1.72%	0.501%
27	13.571	1651	1660	1666	rBV2	84744	209535	1.08%	0.315%
28	13.671	1672	1679	1693	rVB2	169247	372507	1.92%	0.559%
29	13.802	1693	1704	1722	rVB	128307	350718	1.80%	0.526%
30	15.716	2059	2070	2081	rBV	1894138	4360738	22.43%	6.546%
31	15.800	2081	2086	2101	rVB2	71167	209567	1.08%	0.315%
32	15.956	2108	2116	2126	rVB2	110754	256369	1.32%	0.385%
33	17.369	2375	2386	2400	rBV	1876262	4202354	21.62%	6.308%

Sum of corrected areas: 66615656

03231112.D 031611V1.M Wed Apr 13 18:20:40 2011

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\032311\03231112.D
Operator : Michael Truchan
Acquired : 23 Mar 2011 8:27 pm using AcqMethod 031611V1
Instrument : GC/MS Ins
Sample Name: 1103120-015A
Misc Info : SAMP EPA_TO15-ug/m3
Vial Number: 17
Quant File :031611V1.RES (RTE Integrator)



03231112.D 031611V1.M Wed Apr 13 18:20:40 2011

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231112.D Vial: 17
Acq On : 23 Mar 2011 8:27 pm Operator: Michael Truchan
Sample : 1103120-015A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 1 Carbon dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.35	15.81 ppbv	4367390	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide $$ Carbon oxide (CO2	44	CO2	000124-38-9	4
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Nitrous Oxide	44	N2O	010024-97-2	3
5	Nitrous Oxide $$ Nitrogen oxide (N2	44	N2O	010024-97-2	3

****

Peak Number 2 Isobutane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.04	1.27 ppbv	350481	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	42
2	Isobutane	58	C4H10	000075-28-5	9
3	Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	9
4	Propane, 1-chloro-2-methyl- $$ Isob	92	C4H9Cl	000513-36-0	9
5	1-Nitro-2-propanone $$ 2-Propanone,	103	C3H5NO3	010230-68-9	4

****

Peak Number 3 1-Propene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	1.38 ppbv	381396	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
2	1-Butene	56	C4H8	000106-98-9	72
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	72
4	2-Butene, (Z)- $$ (Z)-2-Butene $$ c	56	C4H8	000590-18-1	64
5	1-Butene	56	C4H8	000106-98-9	64

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231112.D Vial: 17
Acq On : 23 Mar 2011 8:27 pm Operator: Michael Truchan
Sample : 1103120-015A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 4 Butane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	11.69 ppbv	3228050	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	90
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9
5	3-Buten-1-ol	72	C4H8O	000627-27-0	9

****

Peak Number 5 Pentane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	3.72 ppbv	1027560	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane $$ n-Pentane $$ Skellysolve	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	64
4	Oxirane, ethyl-	72	C4H8O	000106-88-7	53
5	Butane, 2-methyl-	72	C5H12	000078-78-4	38

****

Peak Number 6 Butane, 2,2-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	1.69 ppbv	466249	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	72
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	64
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	64
4	Butane, 2,2-dimethyl- $$ Neohexane	86	C6H14	000075-83-2	64
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	45

Data File : C:\HPCHEM\1\DATA\032311\03231112.D Vial: 17
Acq On : 23 Mar 2011 8:27 pm Operator: Michael Truchan
Sample : 1103120-015A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 7 Pentane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	17.17 ppbv	4742060	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
3	Pentane, 2-methyl- $$ Isohexane $$	86	C6H14	000107-83-5	86
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80

****

Peak Number 8 Pentane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	3.78 ppbv	1044080	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl- $$ 3-Methylpenta	86	C6H14	000096-14-0	90
4	Oxirane, (1-methylethyl)- $$ Butane	86	C5H10O	001438-14-8	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64

****

Peak Number 9 Pentane, 2,4-dimethyl- $$ 2,4- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	2.82 ppbv	777633	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl- $$ 2,4-Dimet	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	87
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	64
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59

Data File : C:\HPCHEM\1\DATA\032311\03231112.D Vial: 17
Acq On : 23 Mar 2011 8:27 pm Operator: Michael Truchan
Sample : 1103120-015A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 10 Cyclopentane, methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	3.46 ppbv	954316	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl- $$ Methylcycl	84	C6H12	000096-37-7	91
3	1H-Tetrazole, 5-methyl- $$ 5-Methyl	84	C2H4N4	004076-36-2	80
4	Cyclobutane, ethyl- $$ Ethylcyclobu	84	C6H12	004806-61-5	64
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	53

****

Peak Number 11 Pentane, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	3.85 ppbv	1064230	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Pentane, 2,3-dimethyl- $$ 2,3-Dimet	100	C7H16	000565-59-3	58

****

Peak Number 12 Trichloronitromethane $$ Chlor Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	0.71 ppbv	194872	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloronitromethane $$ Chloropicr	163	CCl3NO2	000076-06-2	47
2	Carbon Tetrachloride $$ Methane, te	152	CCl4	000056-23-5	47
3	Trichloroacetyl chloride $$ CCl3COC	180	C2Cl4O	000076-02-8	43
4	Acetic acid, trichloro-, ethyl este	190	C4H5Cl3O2	000515-84-4	37
5	Carbon Tetrachloride	152	CCl4	000056-23-5	23

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231112.D Vial: 17
Acq On : 23 Mar 2011 8:27 pm Operator: Michael Truchan
Sample : 1103120-015A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 13 Hexane, 2,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	6.35 ppbv	2284350	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	64
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59

****

Peak Number 14 Trichloroethylene $$ Ethene, t Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	0.61 ppbv	217795	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroethylene $$ Ethene, trichl	130	C2HCl3	000079-01-6	98
2	Trichloroethylene	130	C2HCl3	000079-01-6	98
3	Trichloroethylene	130	C2HCl3	000079-01-6	36
4	Propene, 2-chloro-3,3,3-trifluoro-	130	C3H2ClF3	002730-62-3	25
5	1H-Tetrazaborole, 5-chloro-4,5-dihy	132	C2H6BClN4	021960-49-6	22

****

Peak Number 15 Hexane, 2,4-dimethyl- $$ 2,4-D Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	0.78 ppbv	280991	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl- $$ 2,4-Dimeth	114	C8H18	000589-43-5	55
2	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	53
3	2-Undecene, 6-methyl-, (Z)-	168	C12H24	074630-43-6	53
4	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	47
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	46

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231112.D Vial: 17
Acq On : 23 Mar 2011 8:27 pm Operator: Michael Truchan
Sample : 1103120-015A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 16 Cyclohexane, methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	3.99 ppbv	1437860	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	78
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	64
4	Cyclohexane, methyl- $$ Cyclohexylm	98	C7H14	000108-87-2	58
5	3-Penten-2-one, 4-methyl- $$ Aceton	98	C6H10O	000141-79-7	58

****

Peak Number 17 Pentane, 2,3,4-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	1.19 ppbv	428722	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
3	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	59
4	1-Hexene, 4,5-dimethyl- $$ 4,5-Dime	112	C8H16	016106-59-5	56
5	Propanoic acid, 2-methyl-, 2-ethyl-	286	C16H30O4	074367-30-9	50

****

Peak Number 18 Heptane, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	0.93 ppbv	333867	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
2	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	83
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	80
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	53
5	Butane, 1-(ethenyloxy)-3-methyl-	114	C7H14O	039782-38-2	47

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231112.D Vial: 17
Acq On : 23 Mar 2011 8:27 pm Operator: Michael Truchan
Sample : 1103120-015A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 19 Heptane, 2,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	1.03 ppbv	372507	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	83
2	Octane	114	C8H18	000111-65-9	83
3	Heptane, 2,4-dimethyl- $$ 2,4-Dimet	128	C9H20	002213-23-2	83
4	Octane $$ n-Octane $$ n-C8H18 $$ Ok	114	C8H18	000111-65-9	81
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	78

****

Peak Number 20 Ethylbenzene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	0.60 ppbv	209567	Chlorobenzene-d5	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylbenzene	106	C8H10	000100-41-4	90
2	Ethylbenzene $$ Benzene, ethyl- $$	106	C8H10	000100-41-4	72
3	Benzene, 1,2-dimethyl-	106	C8H10	000095-47-6	64
4	p-Xylene	106	C8H10	000106-42-3	59
5	p-Xylene	106	C8H10	000106-42-3	50

Tentatively Identified Compound (LSC) summary

Operator ID: Michael Truchan Date Acquired: 23 Mar 2011 8:27 pm
Data File: C:\HPCHEM\1\DATA\032311\03231112.D
Name: 1103120-015A
Misc: SAMP EPA_TO15-ug/m3
Method: C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title: TO15 ppbv
Library Searched: C:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	5.35	15.8	ppbv	4367390	ISTD01	10.76	3452450	12.5
Isobutane	6.04	1.3	ppbv	350481	ISTD01	10.76	3452450	12.5
1-Propene, 2-methyl-	6.31	1.4	ppbv	381396	ISTD01	10.76	3452450	12.5
Butane, 2-methyl-	7.19	11.7	ppbv	3228050	ISTD01	10.76	3452450	12.5
Pentane	7.56	3.7	ppbv	1027560	ISTD01	10.76	3452450	12.5
Butane, 2,2-dimethyl	8.18	1.7	ppbv	466249	ISTD01	10.76	3452450	12.5
Pentane, 2-methyl-	8.76	17.2	ppbv	4742060	ISTD01	10.76	3452450	12.5
Pentane, 3-methyl-	9.08	3.8	ppbv	1044080	ISTD01	10.76	3452450	12.5
Pentane, 2,4-dimethy	10.00	2.8	ppbv	777633	ISTD01	10.76	3452450	12.5
Cyclopentane, methyl	10.21	3.5	ppbv	954316	ISTD01	10.76	3452450	12.5
Pentane, 2,3-dimethy	10.95	3.9	ppbv	1064230	ISTD01	10.76	3452450	12.5
Trichloronitromethan	11.20	0.7	ppbv	194872	ISTD01	10.76	3452450	12.5
Hexane, 2,2-dimethyl	11.36	6.3	ppbv	2284350	ISTD02	11.86	4499140	12.5
Trichloroethylene $$	12.20	0.6	ppbv	217795	ISTD02	11.86	4499140	12.5
Hexane, 2,4-dimethyl	12.28	0.8	ppbv	280991	ISTD02	11.86	4499140	12.5
Cyclohexane, methyl-	12.39	4.0	ppbv	1437860	ISTD02	11.86	4499140	12.5
Pentane, 2,3,4-trime	12.79	1.2	ppbv	428722	ISTD02	11.86	4499140	12.5
Heptane, 2-methyl-	12.94	0.9	ppbv	333867	ISTD02	11.86	4499140	12.5
Heptane, 2,4-dimethy	13.67	1.0	ppbv	372507	ISTD02	11.86	4499140	12.5
Ethylbenzene	15.80	0.6	ppbv	209567	ISTD03	15.72	4360740	12.5

03231112.D 031611V1.M Wed Apr 13 18:20:41 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231114.D Vial: 19
Acq On : 23 Mar 2011 9:54 pm Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 400.00
MS Integration Params: CLME.P
Quant Time: Mar 23 23:19 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	539746	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2053248	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.72	117	1422908	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	946119	13.27	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 106.16%				
Target Compounds							Qvalue
2) Propylene*	5.68	41	1823214	45.06	ppbv	#	64
7) 1,3-Butadiene	6.44	39	72988	1.79	ppbv	#	83
8) Bromomethane	7.02	94	24426	0.51	ppbv		96
11) Ethanol	7.74	45	11279	1.26	ppbv	#	73
14) Acetone*	8.36	43	1321996	19.87	ppbv	#	92
17) Methylene chloride	8.92	49	341334	6.28	ppbv		94
18) tert-Butyl Methyl Ether	9.13	73	79285	0.64	ppbv	#	1
20) n-Hexane*	9.39	57	764676	9.70	ppbv		98
24) 2-Butanone	10.43	43	143616	2.09	ppbv	#	89
26) Tetrahydrofuran	10.80	42	230149	5.12	ppbv	#	43
29) Cyclohexane*	11.03	56	824763	10.33	ppbv	#	72
31) Benzene*	11.47	78	758100	5.68	ppbv		95
34) Heptane*	11.52	43	1119538	11.29	ppbv	#	94
41) Toluene	13.80	91	1179087	7.62	ppbv		99
45) 2-Hexanone	14.59	43	23298	0.70	ppbv		87
50) Ethylbenzene	15.80	91	183026	1.11	ppbv		95
51) m,p-Xylene	15.96	91	293845	2.29	ppbv		94
52) o-Xylene	16.55	91	123810	0.99	ppbv	#	90
58) 1,3,5-Trimethylbenzene	17.86	105	86489	0.70	ppbv	#	81
59) 1,2,4-Trimethylbenzene	18.45	105	78620	0.72	ppbv		98
65) Hexachlorobutadiene	23.24	225	33278	0.51	ppbv		96
66) Naphthalene	23.74	128	40714	0.89	ppbv	#	97

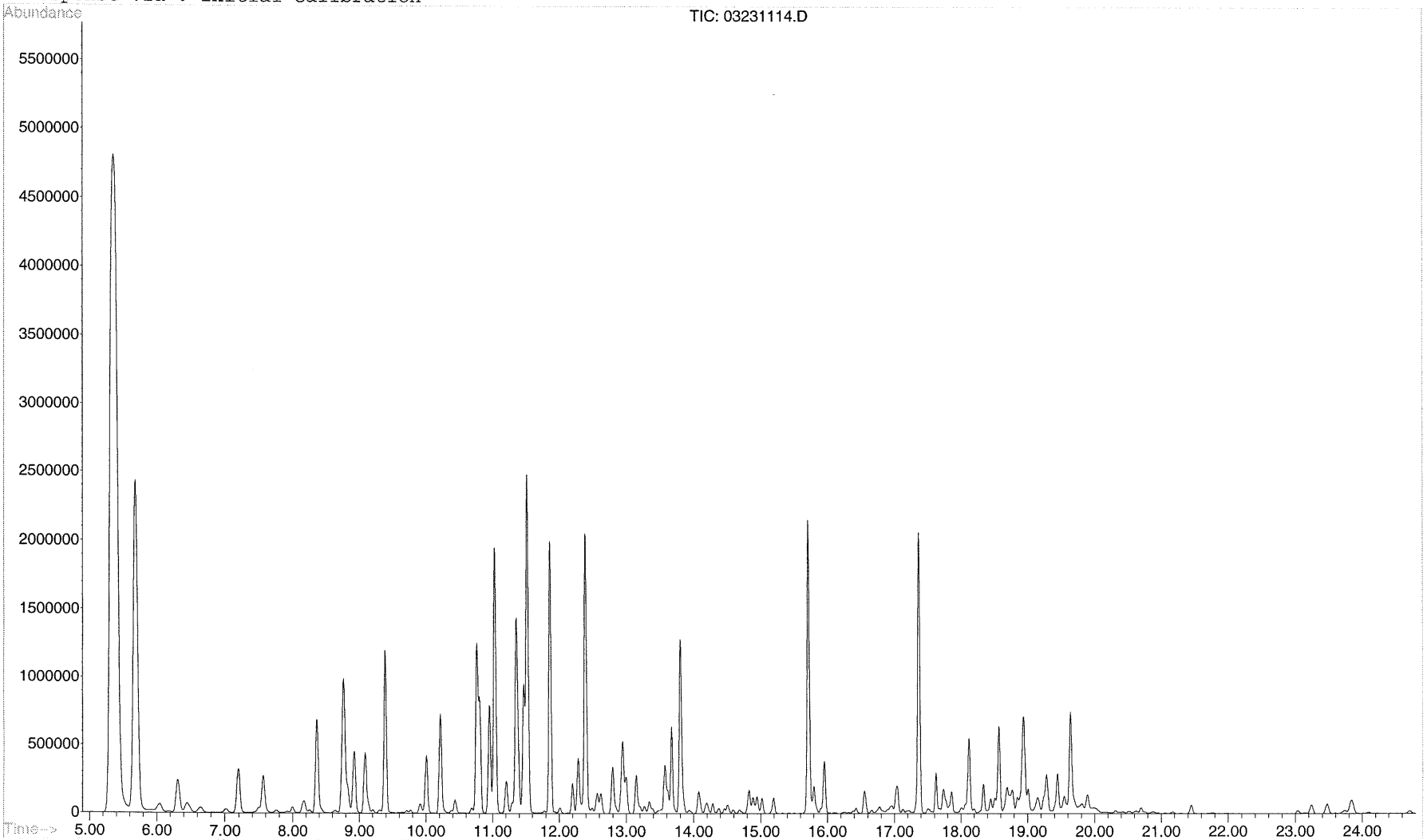
* - reported only 4/15/11 AP

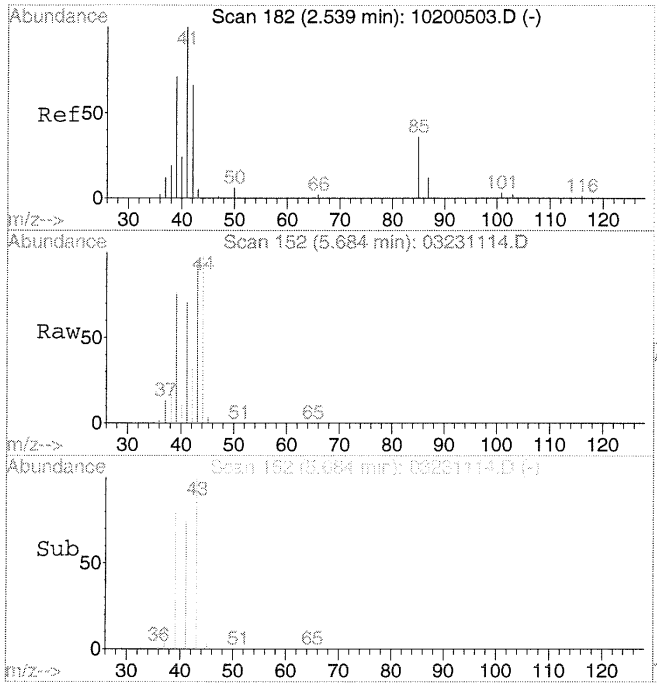
(#) = qualifier out of range (m) = manual integration
03231114.D 031611V1.M Wed Apr 13 18:20:53 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\032311\03231114.D Vial: 19
Acq On : 23 Mar 2011 9:54 pm Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 400.00
MS Integration Params: CLME.P
Quant Time: Mar 23 23:19 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

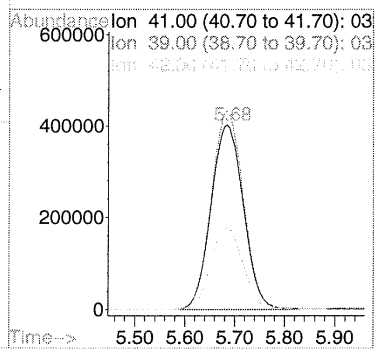


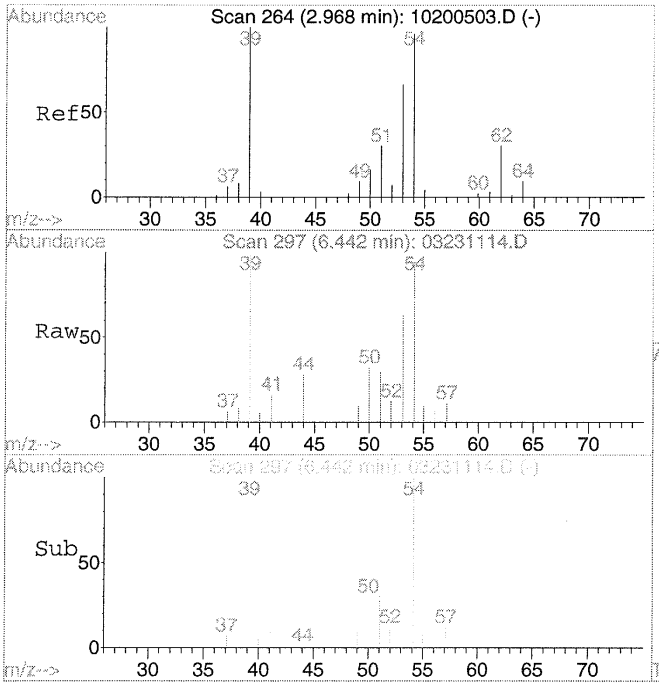


#2
Propylene
Concen: 45.06 ppbv
RT: 5.68 min Scan# 152
Delta R.T. 0.00 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 41 Resp: 1823214

Ion	Ratio	Lower	Upper
41	100		
39	107.2	57.6	86.4#
42	44.1	54.0	81.0#

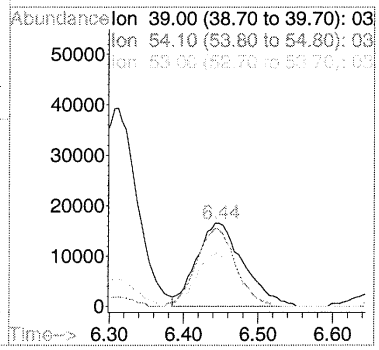


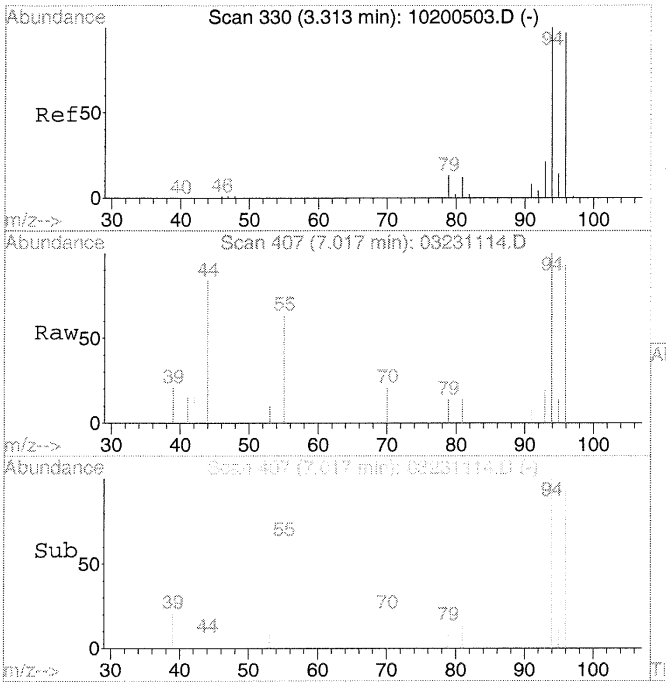


#7
1,3-Butadiene
Concen: 1.79 ppbv
RT: 6.44 min Scan# 297
Delta R.T. 0.00 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 39 Resp: 72988

Ion	Ratio	Lower	Upper
39	100		
54	78.2	79.4	119.0#
53	57.2	53.2	79.8

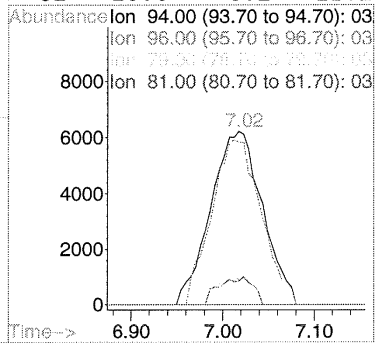


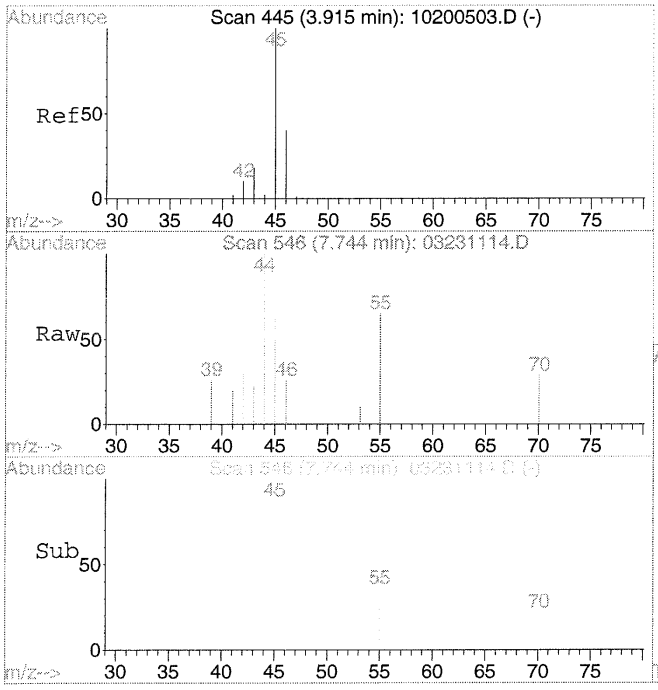


#8
Bromomethane
Concen: 0.51 ppbv
RT: 7.02 min Scan# 407
Delta R.T. -0.01 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 94 Resp: 24426

Ion	Ratio	Lower	Upper
94	100		
96	91.1	76.0	114.0
79	11.3	8.1	12.1
81	10.6	8.1	12.1

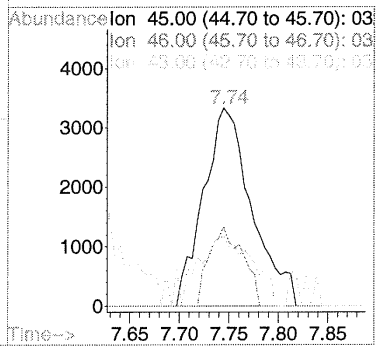


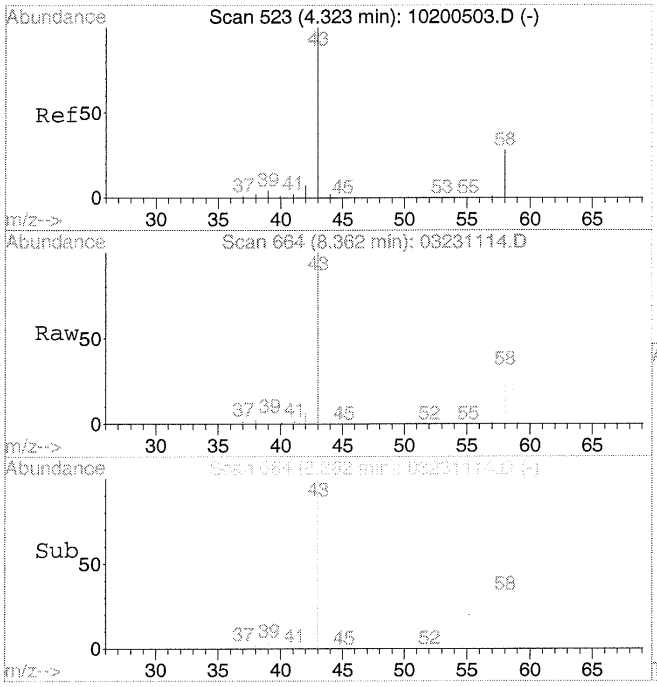


#11
Ethanol
Concen: 1.26 ppbv
RT: 7.74 min Scan# 546
Delta R.T. 0.01 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 45 Resp: 11279

Ion	Ratio	Lower	Upper
45	100		
46	27.8	30.2	45.4#
43	40.8	15.8	23.6#

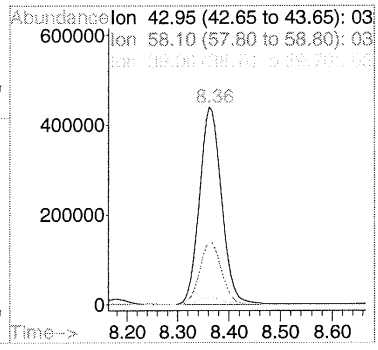


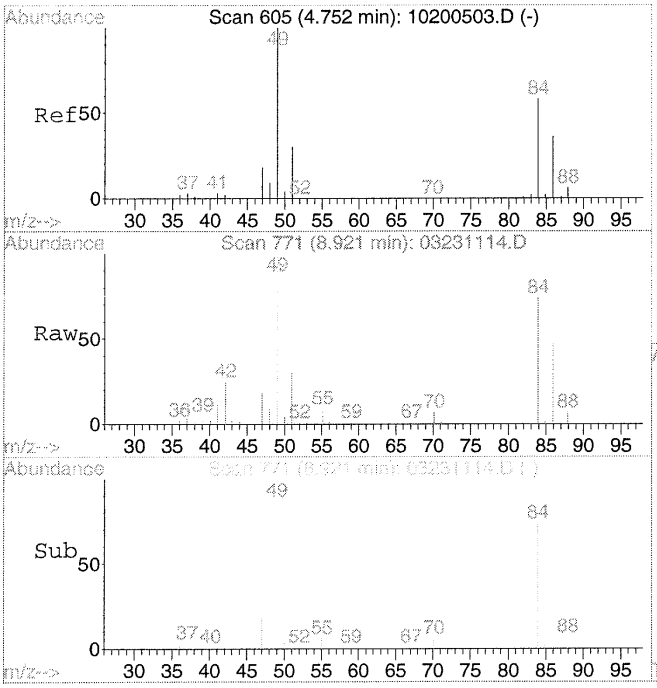


#14
Acetone
Concen: 19.87 ppbv
RT: 8.36 min Scan# 664
Delta R.T. 0.00 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 43 Resp: 1321996

Ion	Ratio	Lower	Upper
43	100		
58	31.4	22.0	33.0
39	4.2	6.5	9.7#

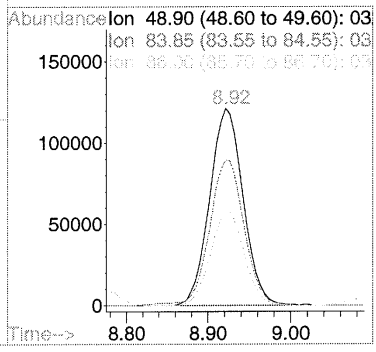


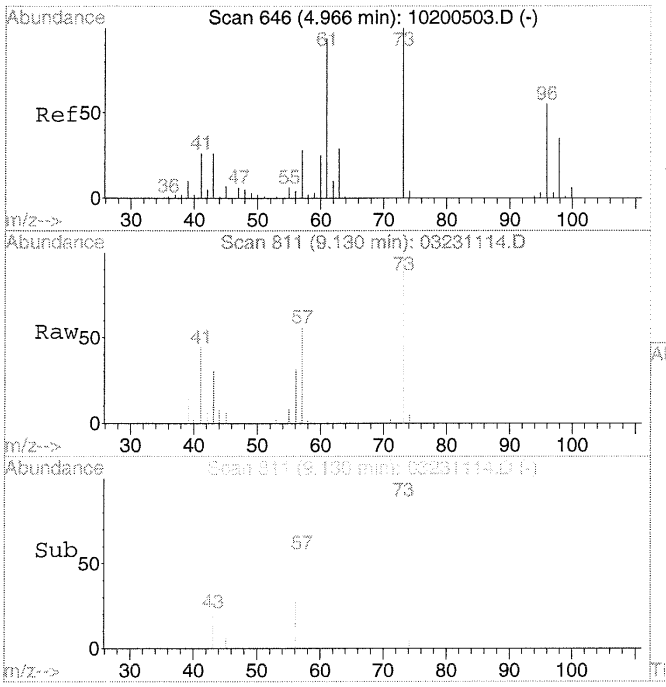


#17
Methylene chloride
Concen: 6.28 ppbv
RT: 8.92 min Scan# 771
Delta R.T. -0.00 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 49 Resp: 341334

Ion	Ratio	Lower	Upper
49	100		
84	76.5	65.4	98.2
86	48.0	42.3	63.5

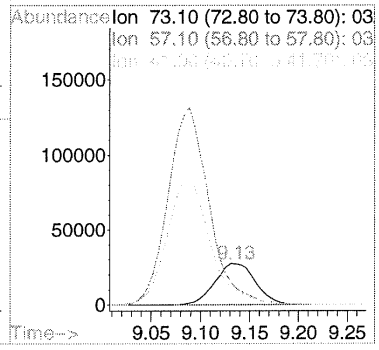


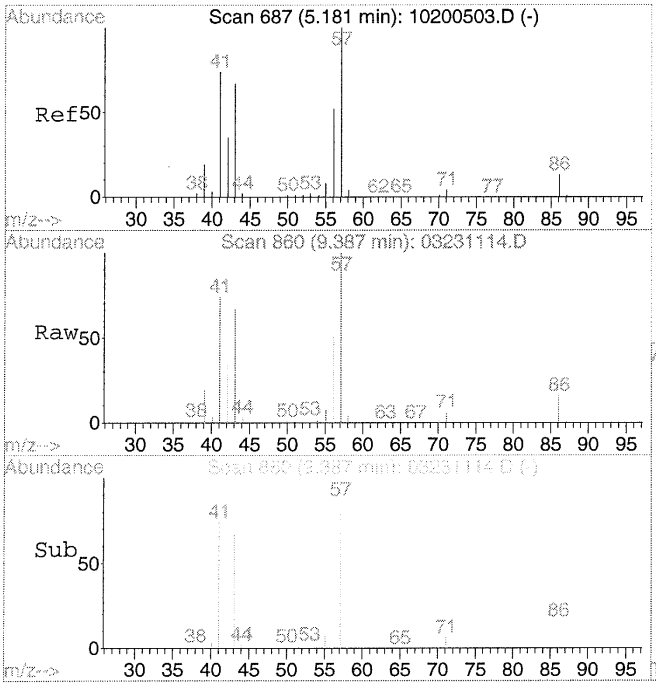


#18
tert-Butyl Methyl Ether
Concen: 0.64 ppbv
RT: 9.13 min Scan# 811
Delta R.T. 0.00 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 73 Resp: 79285

Ion	Ratio	Lower	Upper
73	100		
57	479.2	18.5	27.7#
41	324.7	17.3	25.9#

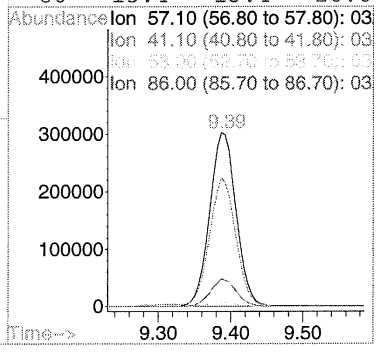


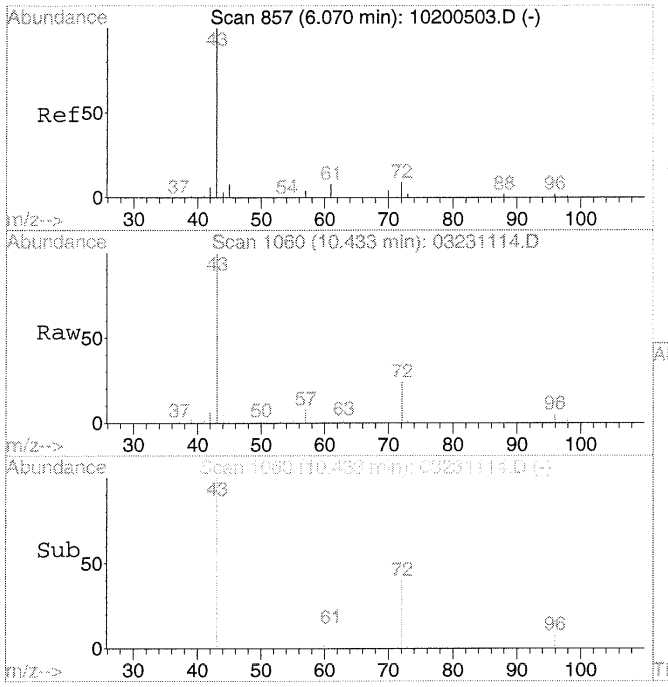


#20
n-Hexane
Concen: 9.70 ppbv
RT: 9.39 min Scan# 860
Delta R.T. -0.01 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 57 Resp: 764676

Ion	Ratio	Lower	Upper
57	100		
41	73.2	57.2	85.8
53	2.4	1.8	2.8
86	15.4	13.4	20.0

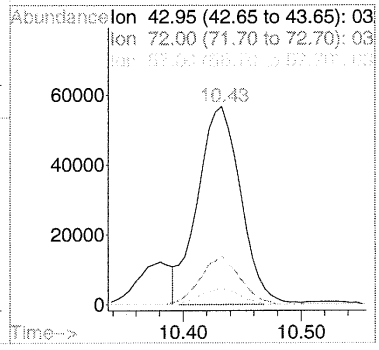


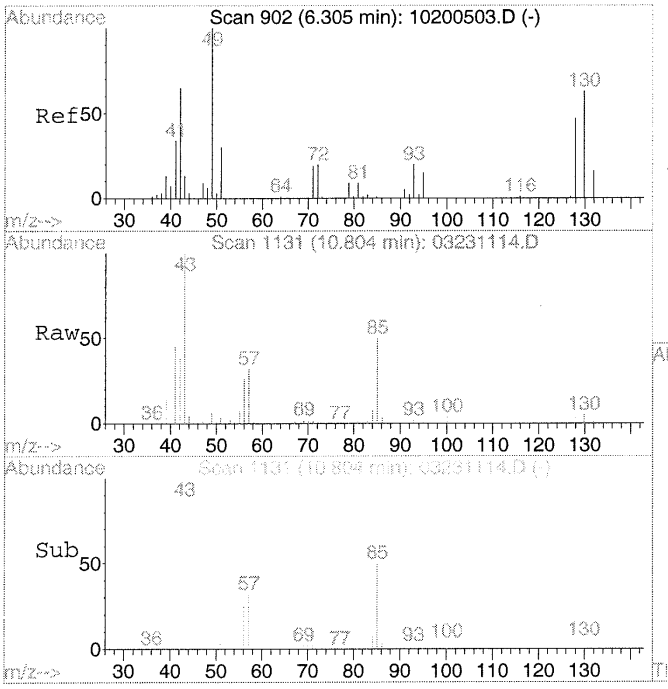


#24
2-Butanone
Concen: 2.09 ppbv
RT: 10.43 min Scan# 1060
Delta R.T. 0.01 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 43 Resp: 143616

Ion	Ratio	Lower	Upper
43	100		
72	22.3	23.4	35.2#
57	7.3	6.9	10.3

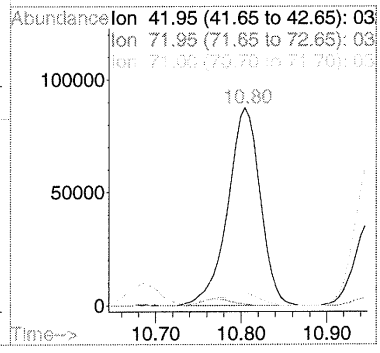


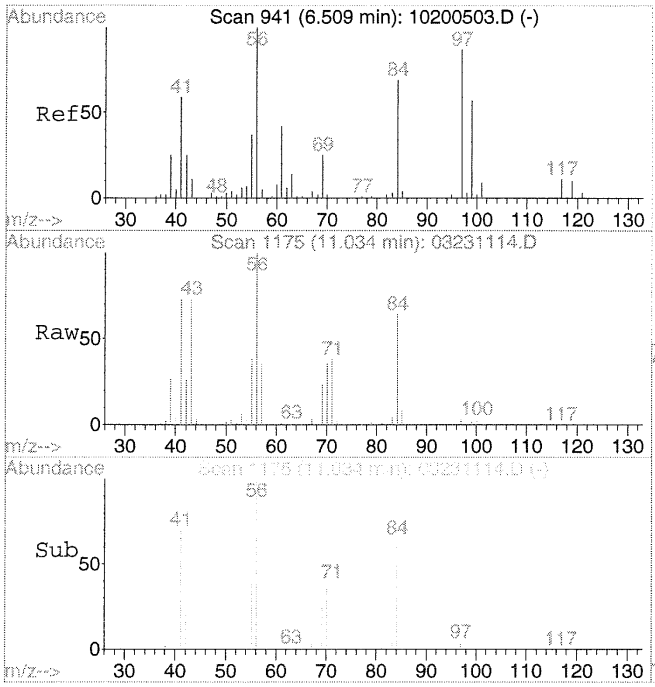


#26
Tetrahydrofuran
Concen: 5.12 ppbv
RT: 10.80 min Scan# 1131
Delta R.T. 0.05 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 42 Resp: 230149

Ion	Ratio	Lower	Upper
42	100		
72	3.3	35.0	52.6#
71	8.3	31.9	47.9#

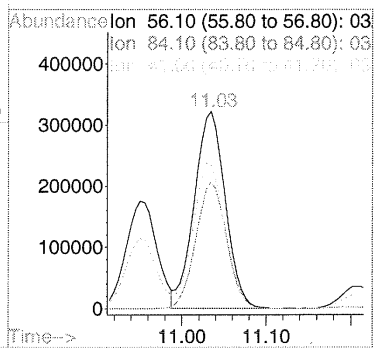


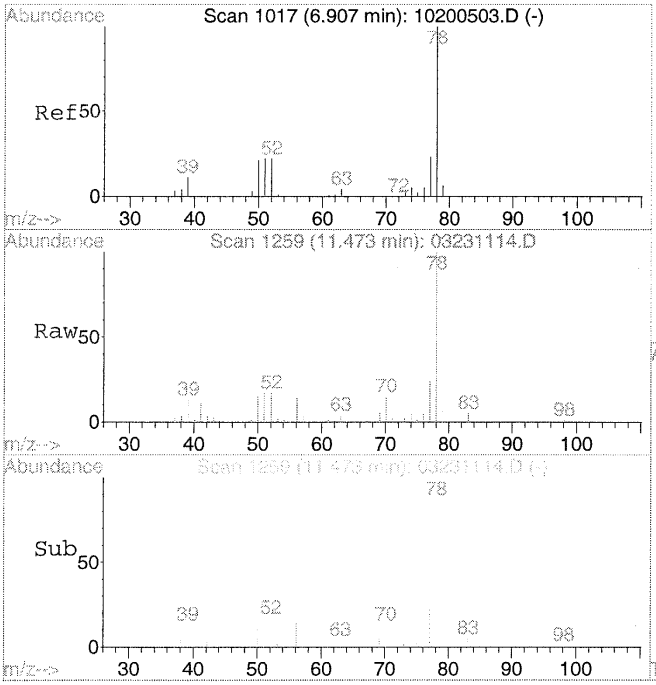


#29
Cyclohexane
Concen: 10.33 ppbv
RT: 11.03 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 56 Resp: 824763

Ion	Ratio	Lower	Upper
56	100		
84	64.4	72.4	108.6#
41	74.8	43.8	65.8#

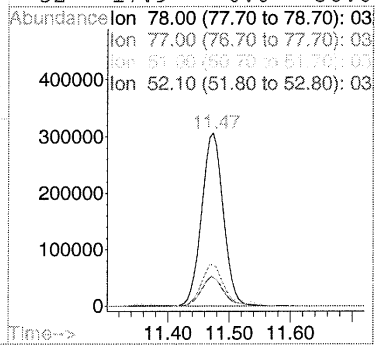


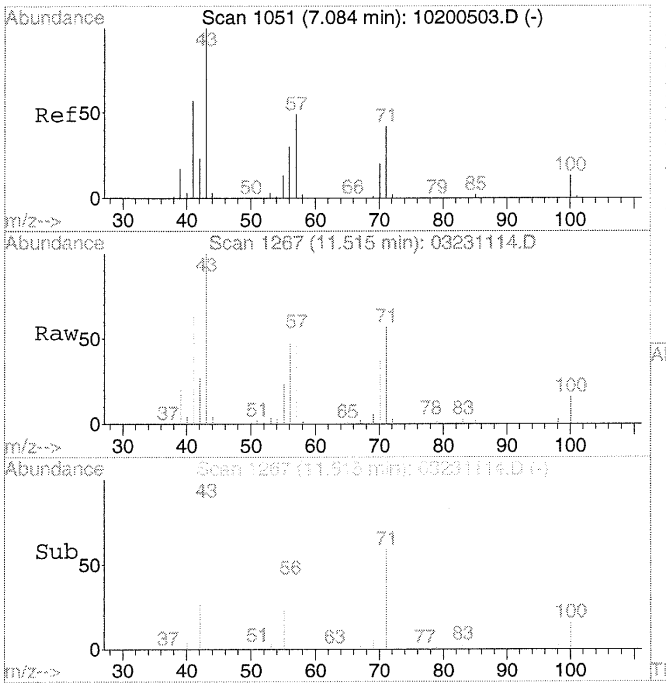


#31
Benzene
Concen: 5.68 ppbv
RT: 11.47 min Scan# 1259
Delta R.T. 0.00 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 78 Resp: 758100

Ion	Ratio	Lower	Upper
78	100		
77	24.9	3.7	43.7
51	20.6	0.0	36.1
52	17.9	0.0	36.0

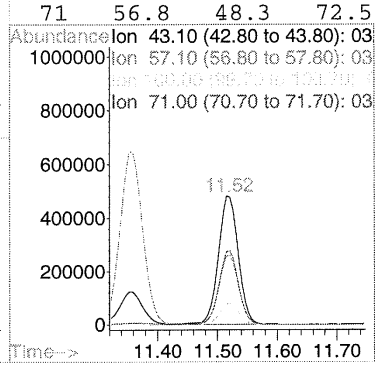


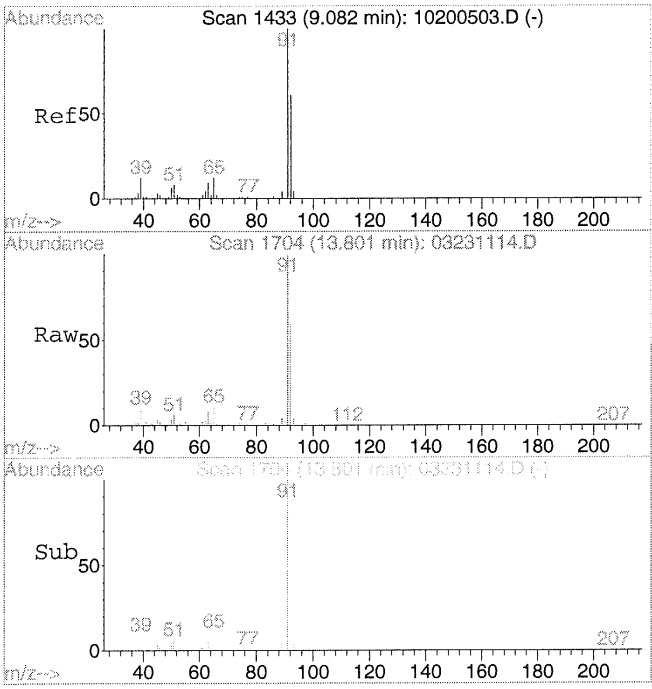


#34
Heptane
Concen: 11.29 ppbv
RT: 11.52 min Scan# 1267
Delta R.T. -0.01 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 43 Resp: 1119538

Ion	Ratio	Lower	Upper
43	100		
57	55.6	42.2	63.4
100	15.9	17.3	25.9#
71	56.8	48.3	72.5

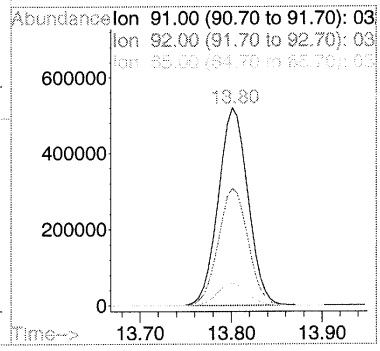


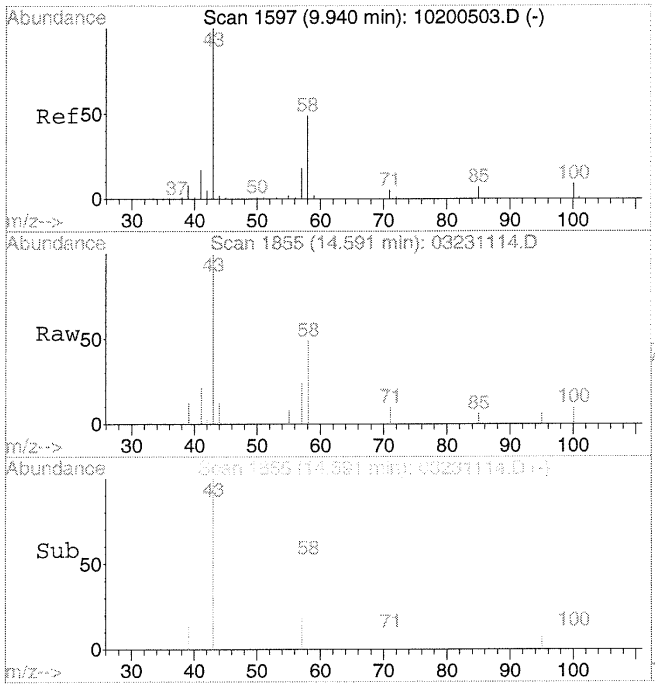


#41
Toluene
Concen: 7.62 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 91 Resp: 1179087

Ion	Ratio	Lower	Upper
91	100		
92	59.4	40.5	80.5
65	11.5	0.0	31.2

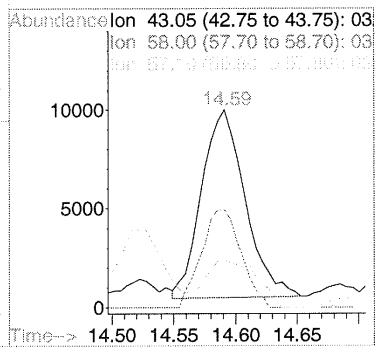


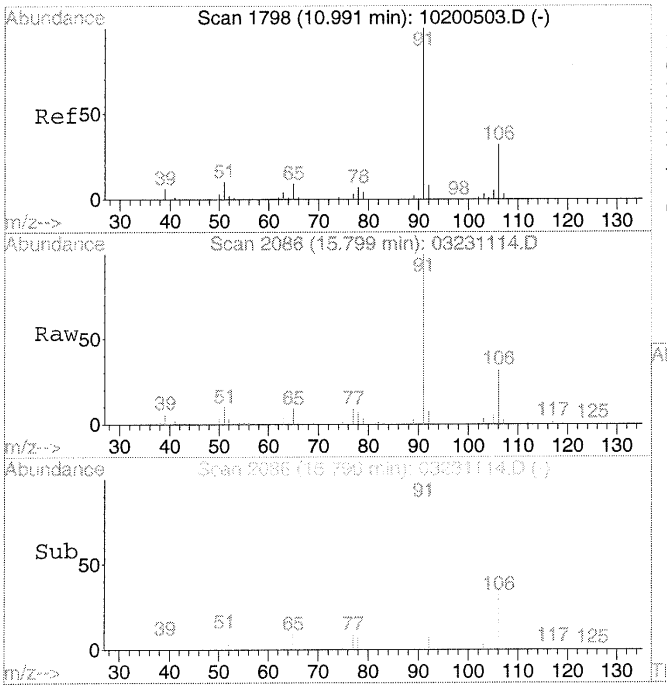


#45
2-Hexanone
Concen: 0.70 ppbv
RT: 14.59 min Scan# 1855
Delta R.T. 0.01 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 43 Resp: 23298

Ion	Ratio	Lower	Upper
43	100		
58	47.7	33.8	73.8
57	30.7	0.0	38.6

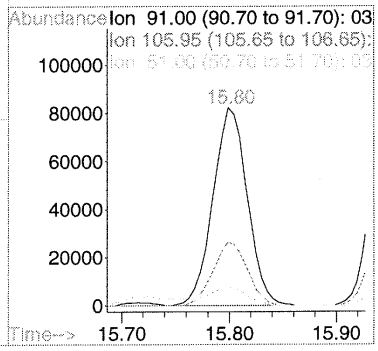


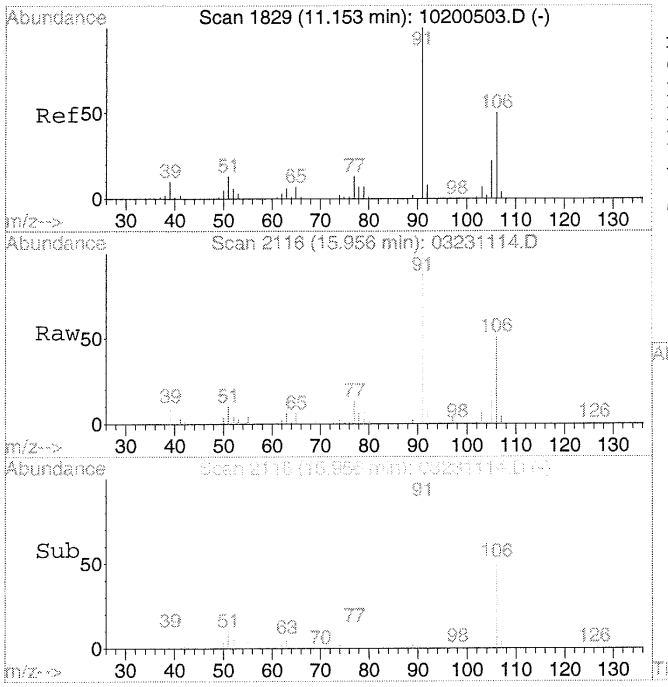


#50
Ethylbenzene
Concen: 1.11 ppbv
RT: 15.80 min Scan# 2086
Delta R.T. -0.00 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 91 Resp: 183026

Ion	Ratio	Lower	Upper
91	100		
106	32.0	14.9	54.9
51	10.4	0.0	33.1

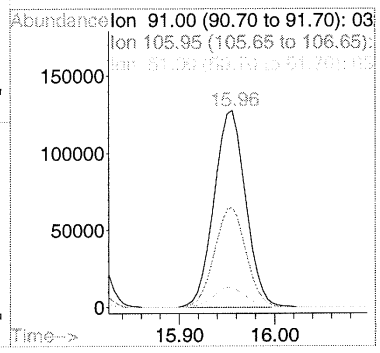


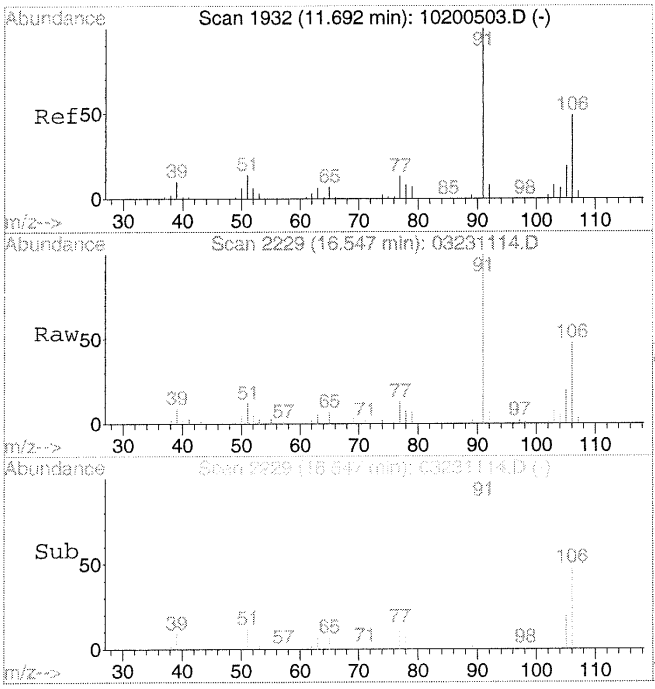


#51
m,p-Xylene
Concen: 2.29 ppbv
RT: 15.96 min Scan# 2116
Delta R.T. -0.00 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 91 Resp: 293845

Ion	Ratio	Lower	Upper
91	100		
106	50.6	35.6	75.6
51	10.4	0.0	29.6

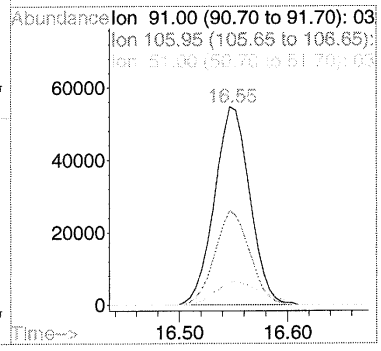


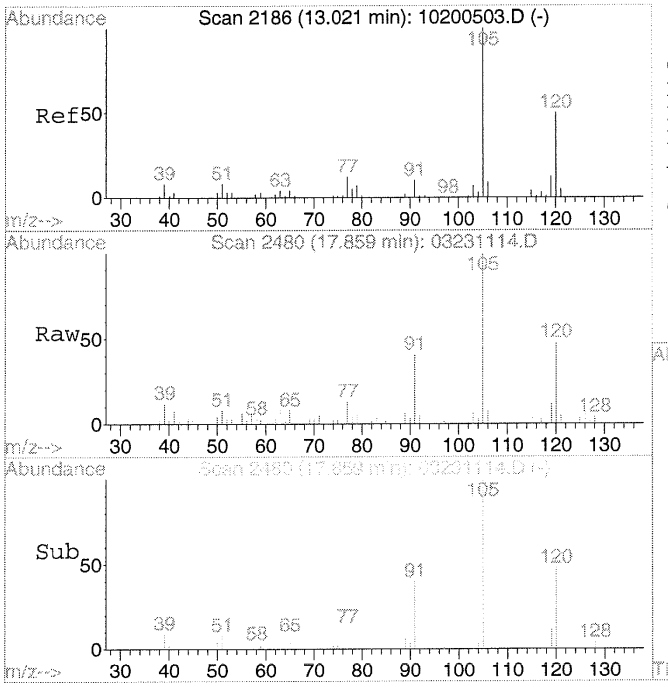


#52
o-Xylene
Concen: 0.99 ppbv
RT: 16.55 min Scan# 2229
Delta R.T. -0.00 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion: 91 Resp: 123810

Ion	Ratio	Lower	Upper
91	100		
106	46.8	41.0	61.6
51	15.5	19.7	29.5#

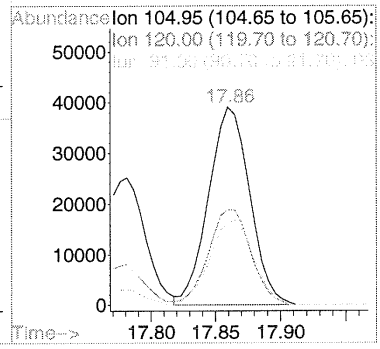


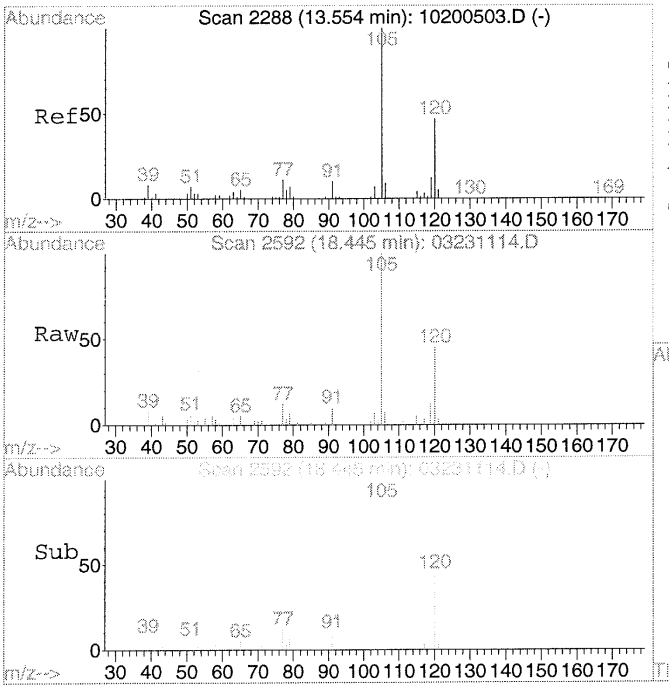


#58
1,3,5-Trimethylbenzene
Concen: 0.70 ppbv
RT: 17.86 min Scan# 2480
Delta R.T. -0.00 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion:105 Resp: 86489

Ion	Ratio	Lower	Upper
105	100		
120	49.7	32.1	72.1
91	45.7	0.0	30.4#

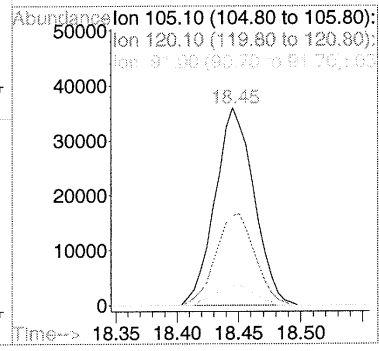


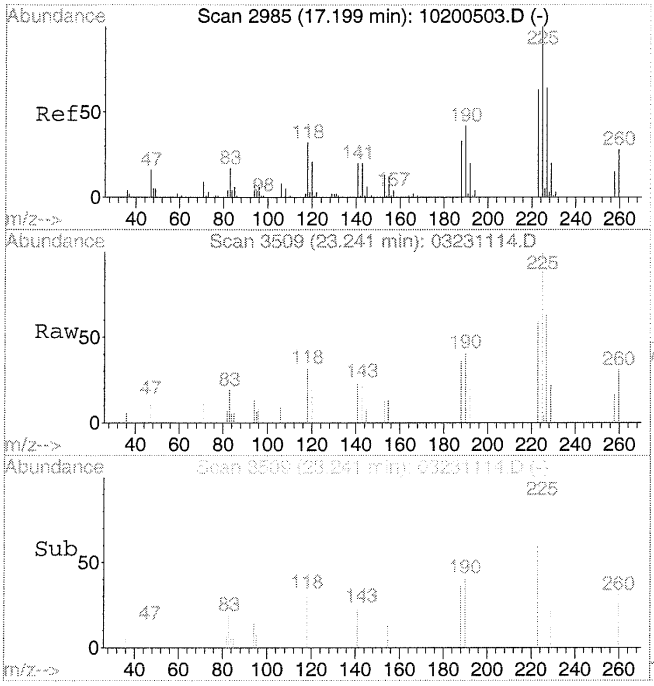


#59
1,2,4-Trimethylbenzene
Concen: 0.72 ppbv
RT: 18.45 min Scan# 2592
Delta R.T. -0.00 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion:105 Resp: 78620

Ion	Ratio	Lower	Upper
105	100		
120	46.7	38.9	58.3
91	10.4	8.2	12.2

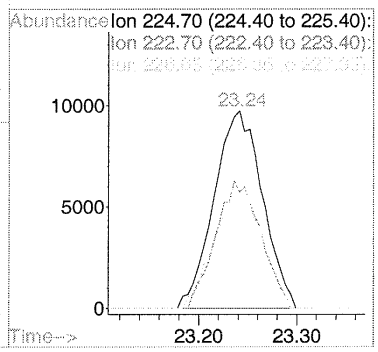


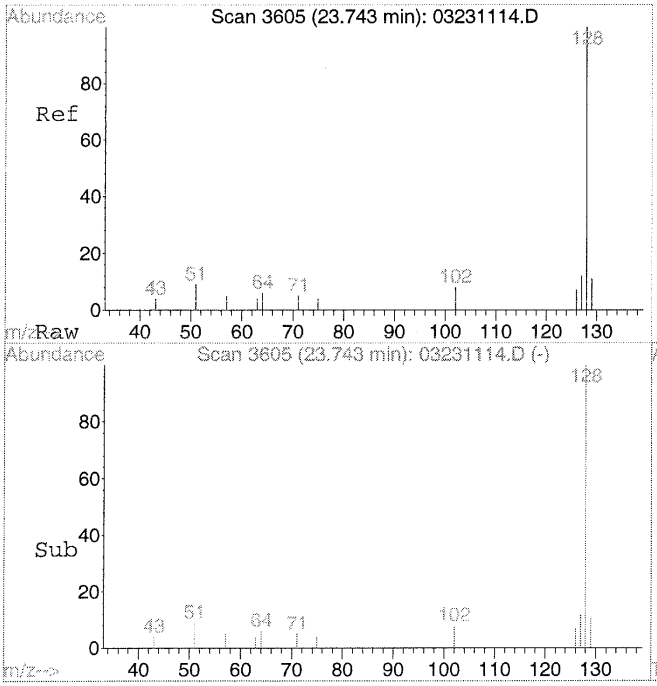


#65
Hexachlorobutadiene
Concen: 0.51 ppbv
RT: 23.24 min Scan# 3509
Delta R.T. -0.00 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion:225 Resp: 33278

Ion	Ratio	Lower	Upper
225	100		
223	60.2	50.6	75.8
227	61.2	51.9	77.9

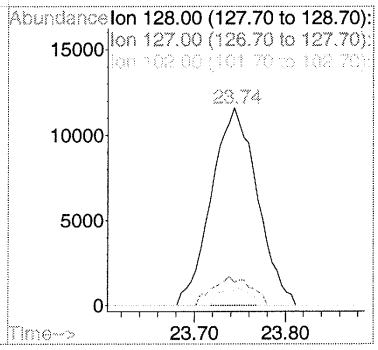




#66
Naphthalene
Concen: 0.89 ppbv
RT: 23.74 min Scan# 3605
Delta R.T. -0.01 min
Lab File: 03231114.D
Acq: 23 Mar 2011 9:54 pm

Tgt Ion:128 Resp: 40714

Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.8	14.6
102	5.6	6.3	9.5#



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231115.D Vial: 20
Acq On : 23 Mar 2011 10:39 pm Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 400.00
MS Integration Params: CLME.P
Quant Time: Mar 24 0:03 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	536589	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2011093	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.72	117	1382804	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	911642	13.15	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 105.20%				
Target Compounds							Qvalue
2) Propylene*	5.68	41	936619	23.28	ppbv	#	63
7) 1,3-Butadiene	6.44	39	48709	1.20	ppbv		88
11) Ethanol	7.75	45	7418	0.83	ppbv	#	78
14) Acetone*	8.37	43	563199	8.52	ppbv	#	93
16) 2-Propanol	8.43	45	31717	0.67	ppbv	#	1
17) Methylene chloride	8.92	49	162453	3.01	ppbv		93
18) tert-Butyl Methyl Ether	9.14	73	74459	0.61	ppbv	#	1
20) n-Hexane*	9.39	57	362439	4.63	ppbv		96
24) 2-Butanone	10.43	43	77010	1.13	ppbv	#	90
26) Tetrahydrofuran	10.80	42	112917	2.53	ppbv	#	46
29) Cyclohexane*	11.03	56	388018	4.89	ppbv	#	72
31) Benzene	11.47	78	321292	2.42	ppbv		95
34) Heptane*	11.52	43	530343	5.46	ppbv	#	94
41) Toluene	13.80	91	445731	2.94	ppbv		98
45) 2-Hexanone	14.59	43	19544	0.60	ppbv		85
50) Ethylbenzene	15.80	91	115104	0.72	ppbv		95
51) m,p-Xylene	15.96	91	147752	1.19	ppbv		93
52) o-Xylene	16.55	91	79385	0.65	ppbv	#	90
58) 1,3,5-Trimethylbenzene	17.86	105	70963	0.59	ppbv	#	81
66) Naphthalene	23.74	128	30215	0.68	ppbv	#	94

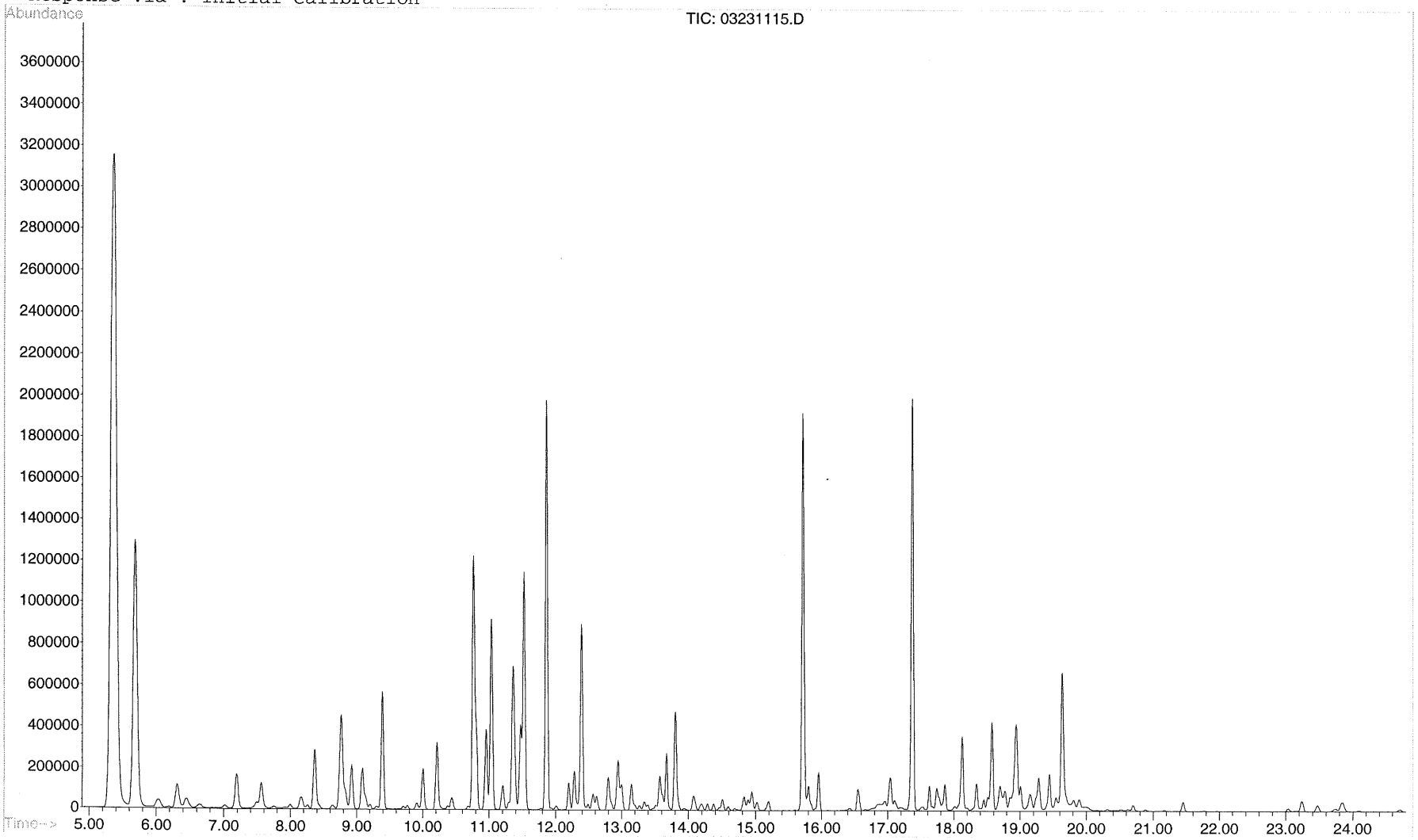
* = reported only 4/15/11 AP

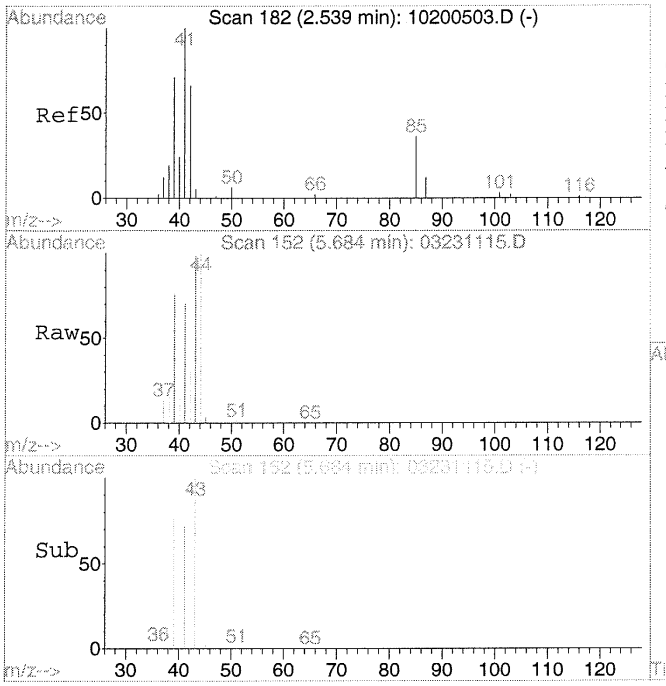
(#) = qualifier out of range (m) = manual integration
03231115.D 031611V1.M Wed Apr 13 18:21:07 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\032311\03231115.D Vial: 20
Acq On : 23 Mar 2011 10:39 pm Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 400.00
MS Integration Params: CLME.P
Quant Time: Mar 24 0:03 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

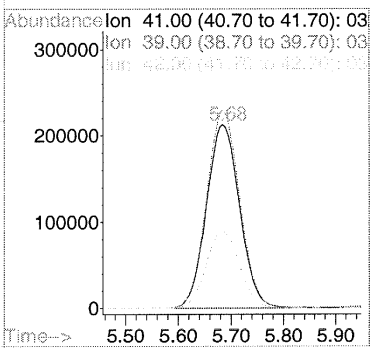


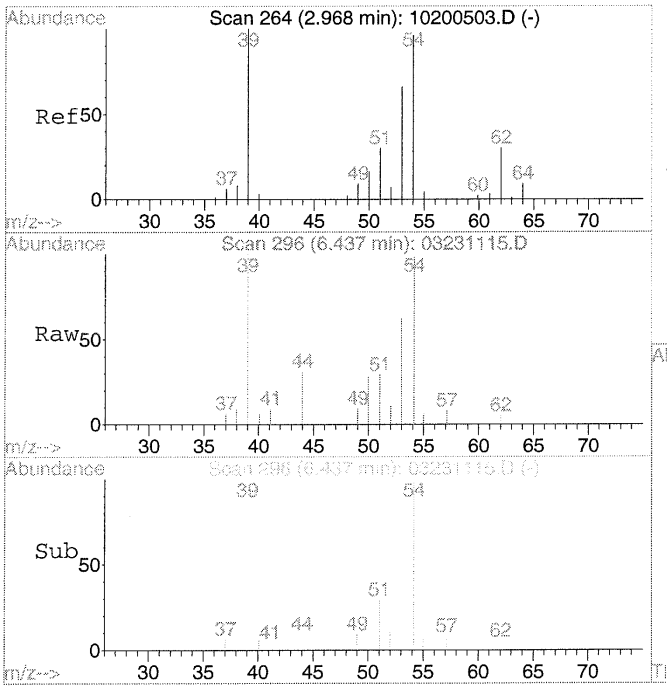


#2
Propylene
Concen: 23.28 ppbv
RT: 5.68 min Scan# 152
Delta R.T. 0.00 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 41 Resp: 936619

Ion	Ratio	Lower	Upper
41	100		
39	107.8	57.6	86.4#
42	42.6	54.0	81.0#

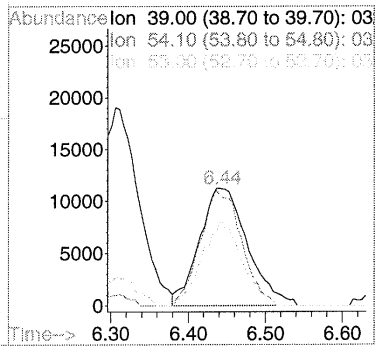


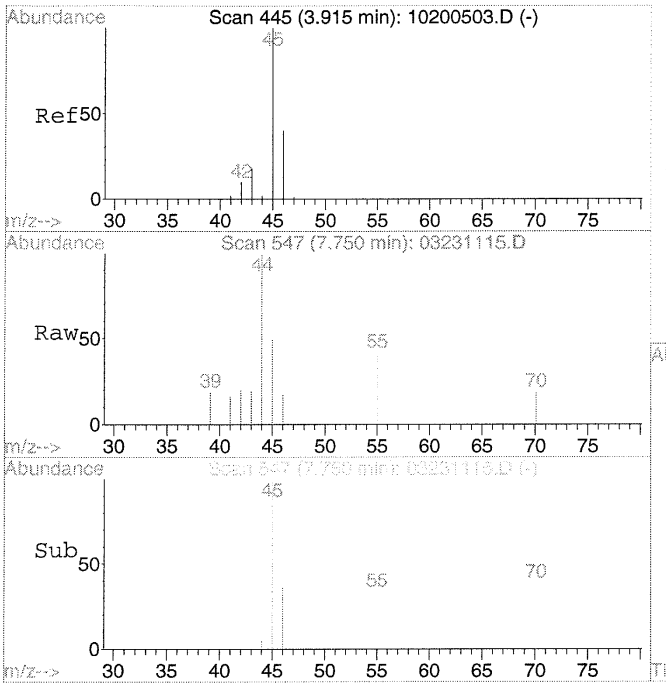


#7
1,3-Butadiene
Concen: 1.20 ppbv
RT: 6.44 min Scan# 296
Delta R.T. -0.00 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 39 Resp: 48709

Ion	Ratio	Lower	Upper
39	100		
54	84.3	79.4	119.0
53	59.9	53.2	79.8

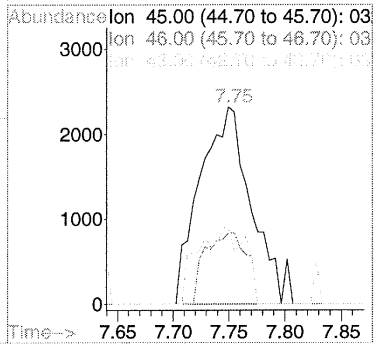


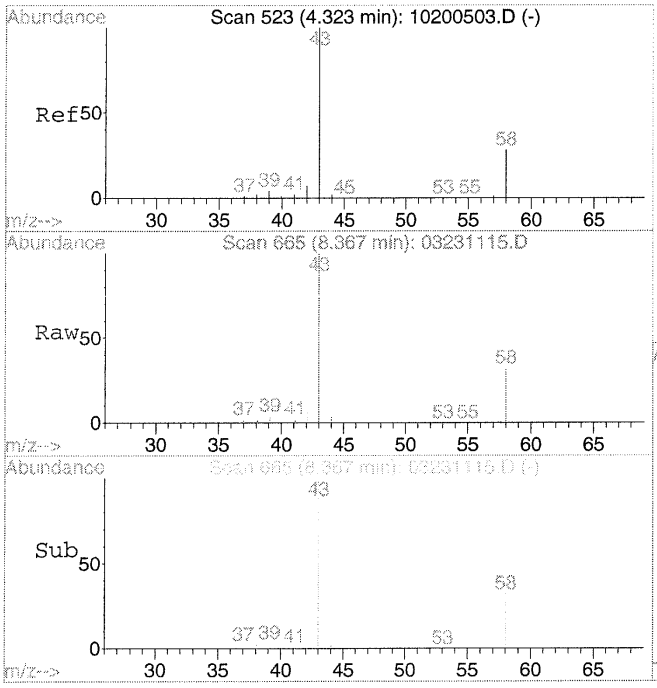


#11
Ethanol
Concen: 0.83 ppbv
RT: 7.75 min Scan# 547
Delta R.T. 0.02 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 45 Resp: 7418

Ion	Ratio	Lower	Upper
45	100		
46	28.8	30.2	45.4#
43	35.5	15.8	23.6#

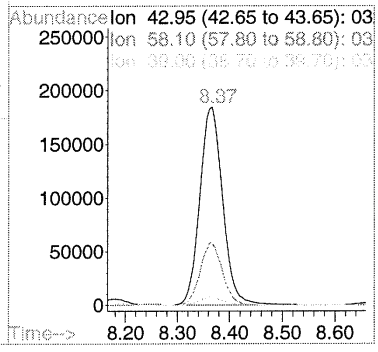


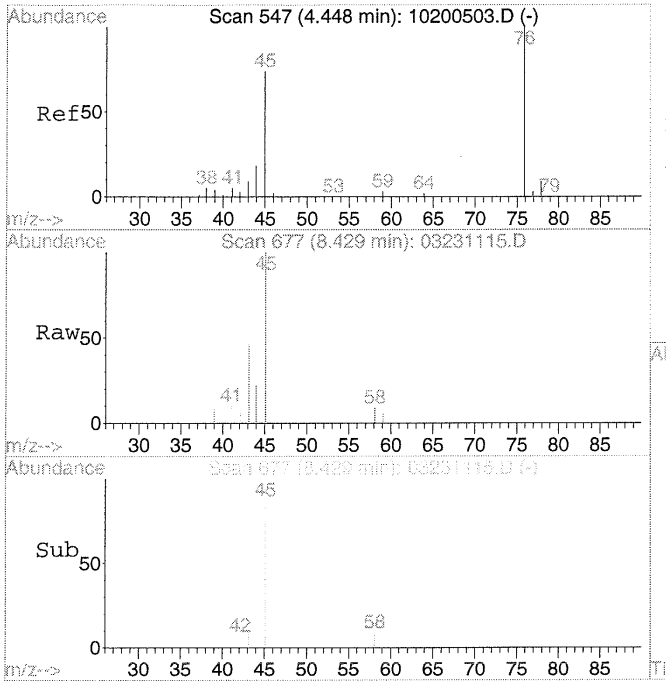


#14
Acetone
Concen: 8.52 ppbv
RT: 8.37 min Scan# 665
Delta R.T. 0.01 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 43 Resp: 563199

Ion	Ratio	Lower	Upper
43	100		
58	30.7	22.0	33.0
39	4.1	6.5	9.7#

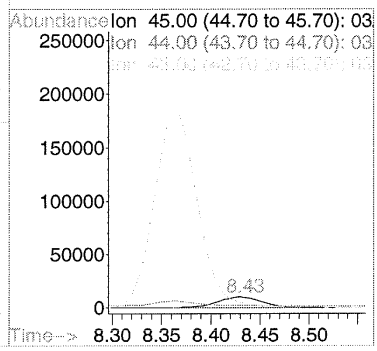


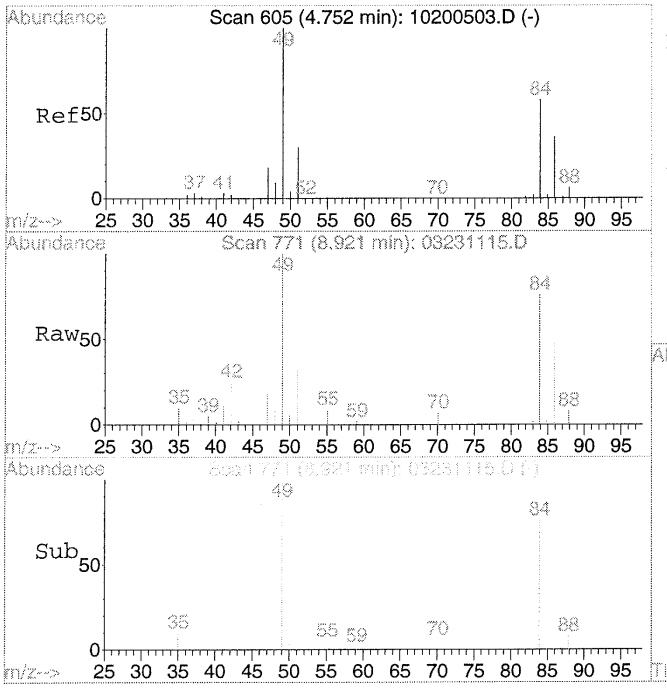


#16
2-Propanol
Concen: 0.67 ppbv
RT: 8.43 min Scan# 677
Delta R.T. 0.03 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 45 Resp: 31717

Ion	Ratio	Lower	Upper
45	100		
44	5.2	5.2	7.8
43	0.0	101.1	151.7#

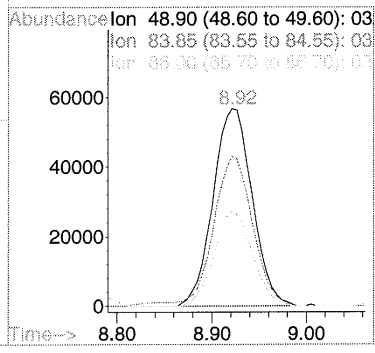


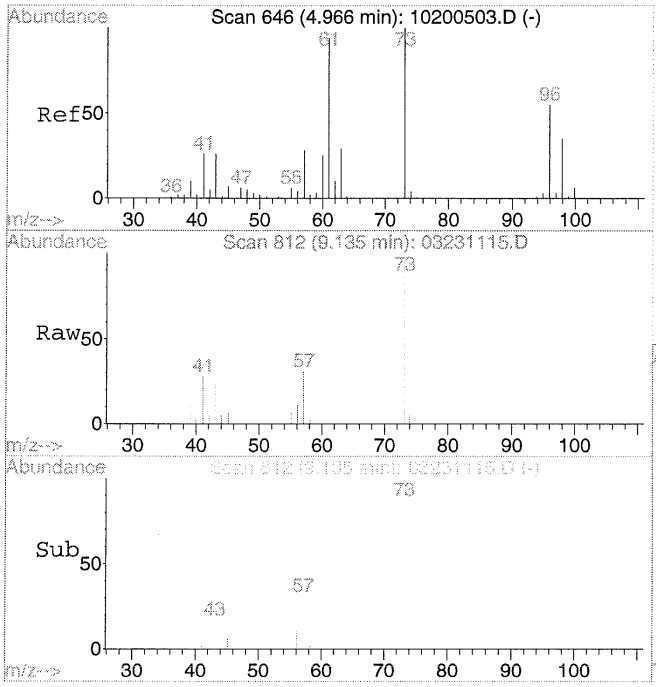


#17
Methylene chloride
Concen: 3.01 ppbv
RT: 8.92 min Scan# 771
Delta R.T. -0.00 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 49 Resp: 162453

Ion	Ratio	Lower	Upper
49	100		
84	76.8	65.4	98.2
86	47.1	42.3	63.5

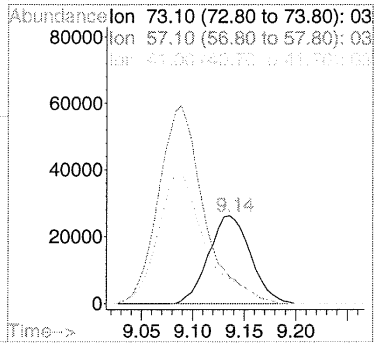


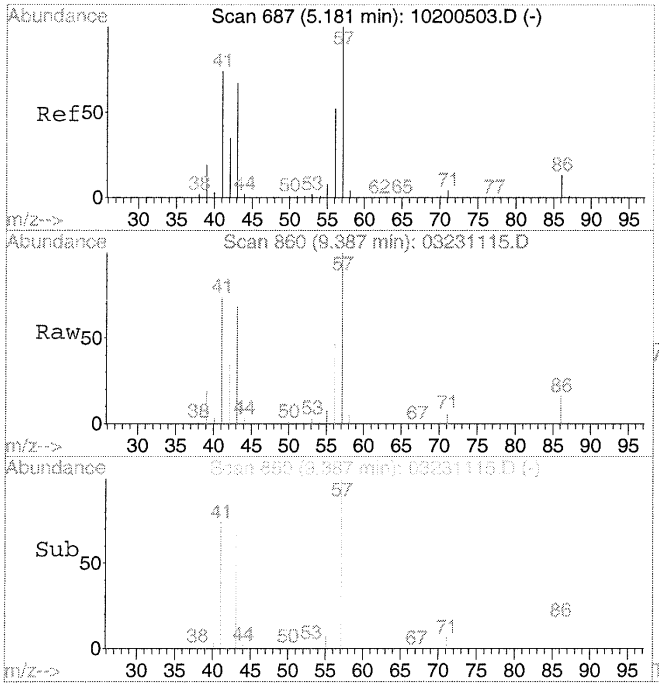


#18
tert-Butyl Methyl Ether
Concen: 0.61 ppbv
RT: 9.14 min Scan# 812
Delta R.T. 0.01 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 73 Resp: 74459

Ion	Ratio	Lower	Upper
73	100		
57	243.1	18.5	27.7#
41	170.0	17.3	25.9#

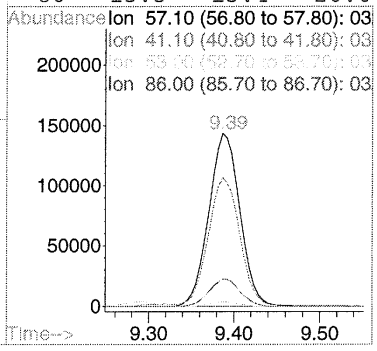


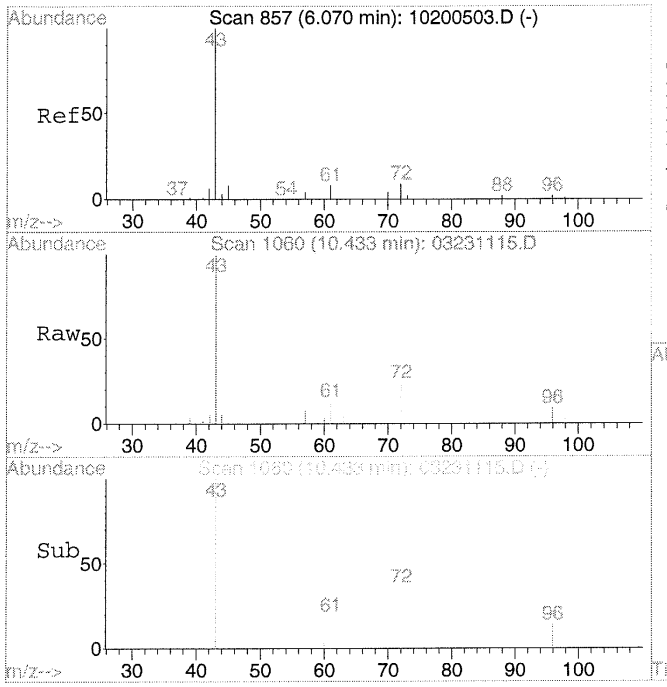


#20
n-Hexane
Concen: 4.63 ppbv
RT: 9.39 min Scan# 860
Delta R.T. -0.01 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 57 Resp: 362439

Ion	Ratio	Lower	Upper
57	100		
41	74.9	57.2	85.8
53	2.3	1.8	2.8
86	15.5	13.4	20.0

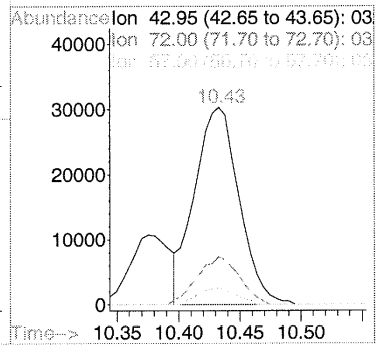


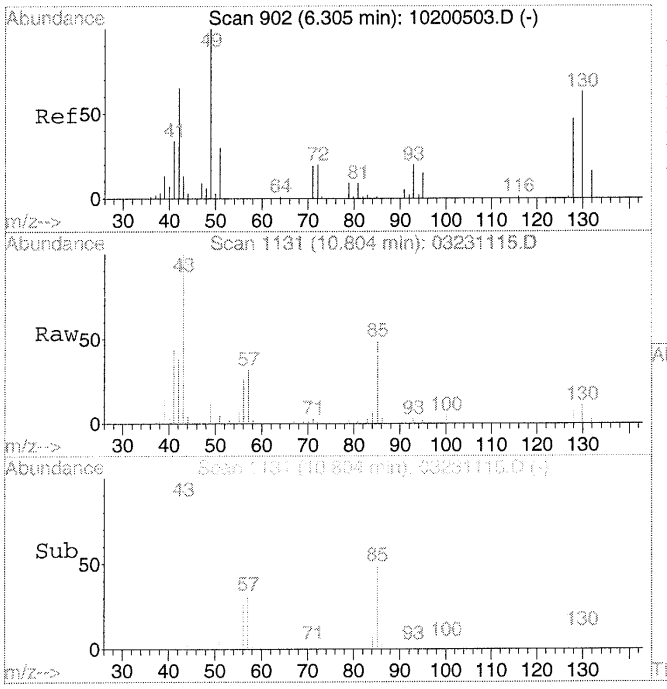


#24
2-Butanone
Concen: 1.13 ppbv
RT: 10.43 min Scan# 1060
Delta R.T. 0.01 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 43 Resp: 77010

Ion	Ratio	Lower	Upper
43	100		
72	22.9	23.4	35.2#
57	7.2	6.9	10.3

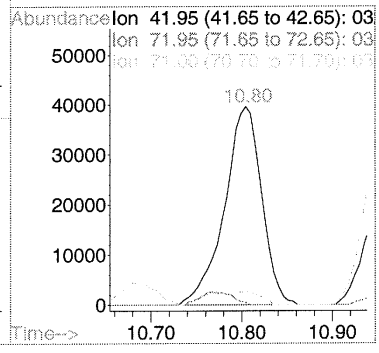


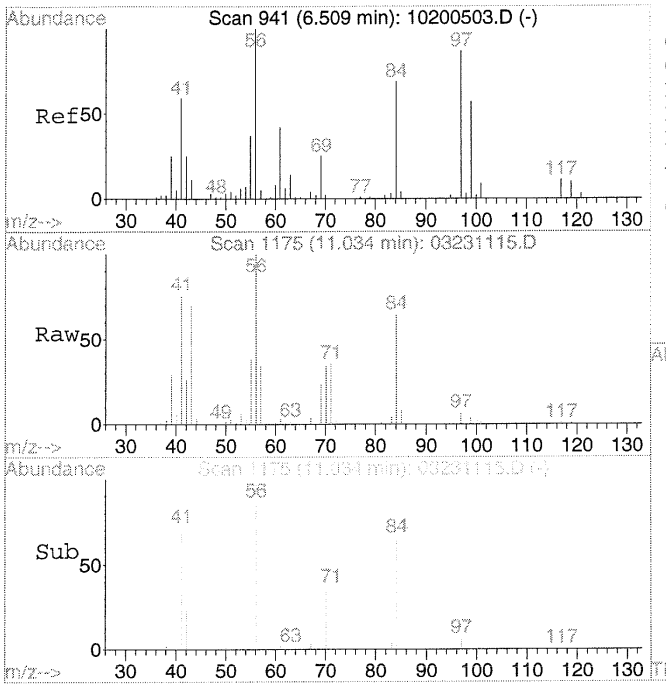


#26
Tetrahydrofuran
Concen: 2.53 ppbv
RT: 10.80 min Scan# 1131
Delta R.T. 0.05 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 42 Resp: 112917

Ion	Ratio	Lower	Upper
42	100		
72	5.7	35.0	52.6#
71	10.3	31.9	47.9#

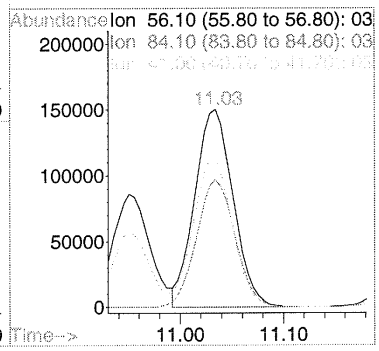


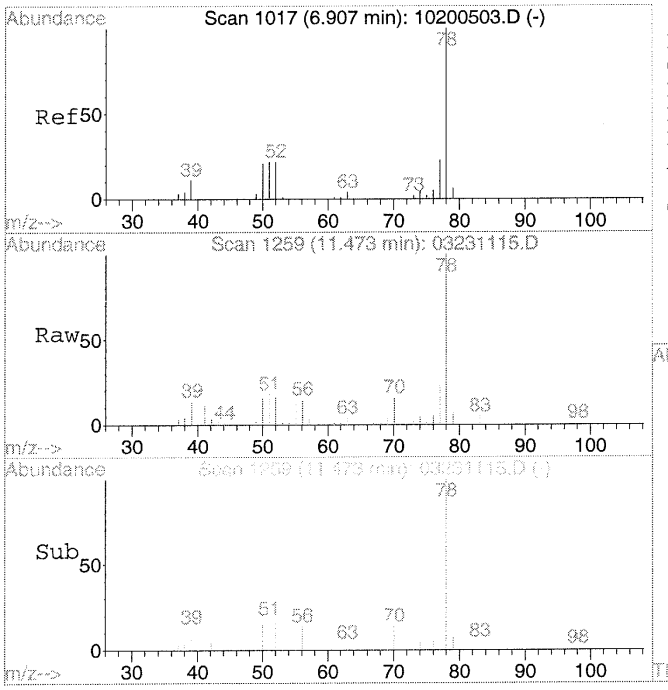


#29
Cyclohexane
Concen: 4.89 ppbv
RT: 11.03 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 56 Resp: 388018

Ion	Ratio	Lower	Upper
56	100		
84	64.9	72.4	108.6#
41	76.8	43.8	65.8#

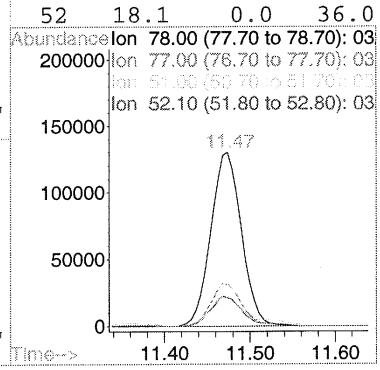


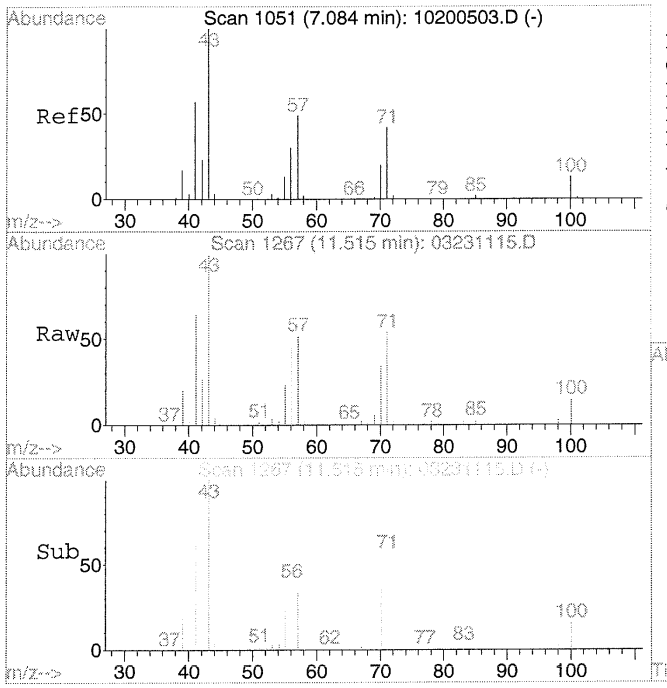


#31
Benzene
Concen: 2.42 ppbv
RT: 11.47 min Scan# 1259
Delta R.T. 0.00 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 78 Resp: 321292

Ion	Ratio	Lower	Upper
78	100		
77	25.3	3.7	43.7
51	18.7	0.0	36.1
52	18.1	0.0	36.0

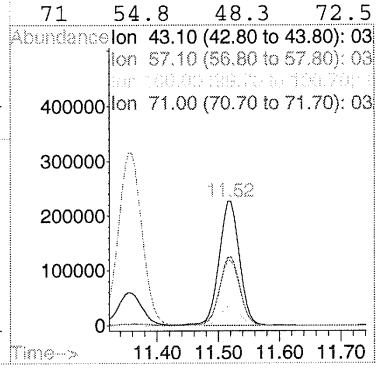


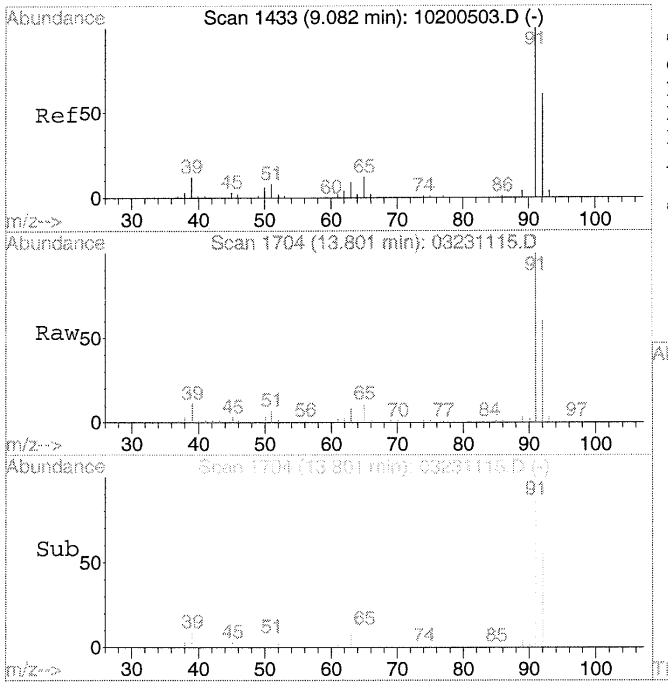


#34
Heptane
Concen: 5.46 ppbv
RT: 11.52 min Scan# 1267
Delta R.T. -0.01 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 43 Resp: 530343

Ion	Ratio	Lower	Upper
43	100		
57	54.3	42.2	63.4
100	15.2	17.3	25.9#
71	54.8	48.3	72.5

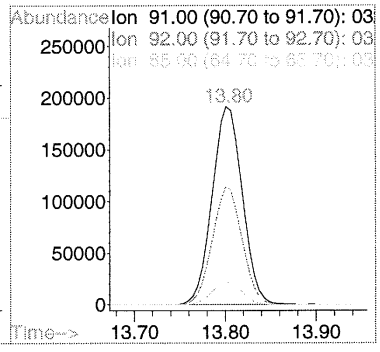


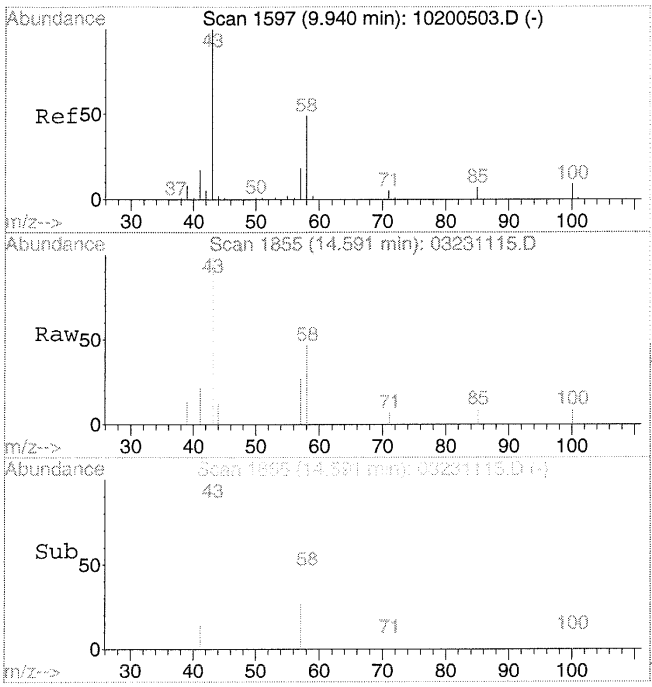


#41
Toluene
Concen: 2.94 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 91 Resp: 445731

Ion	Ratio	Lower	Upper
91	100		
92	58.6	40.5	80.5
65	11.3	0.0	31.2

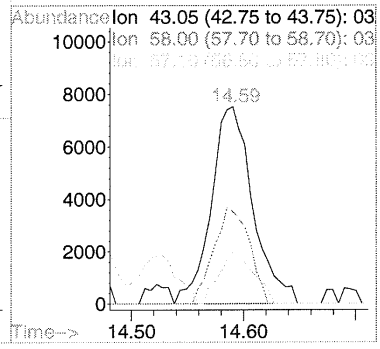


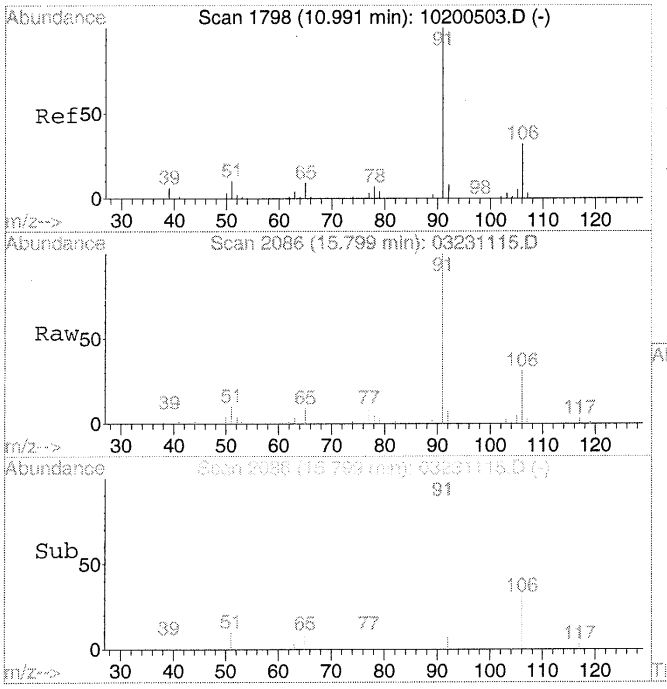


#45
2-Hexanone
Concen: 0.60 ppbv
RT: 14.59 min Scan# 1855
Delta R.T. 0.01 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 43 Resp: 19544

Ion	Ratio	Lower	Upper
43	100		
58	41.7	33.8	73.8
57	22.0	0.0	38.6

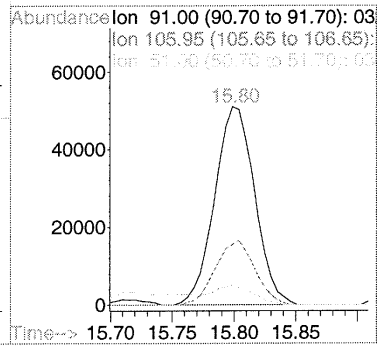


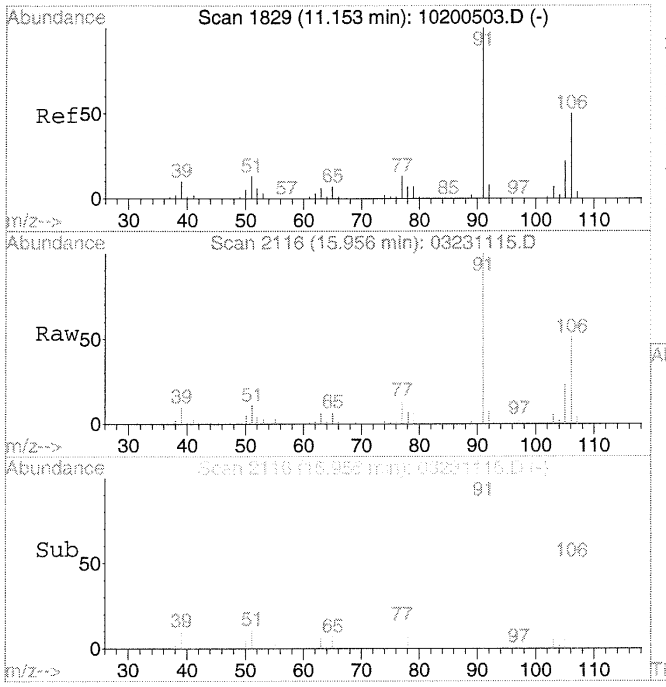


#50
Ethylbenzene
Concen: 0.72 ppbv
RT: 15.80 min Scan# 2086
Delta R.T. -0.00 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 91 Resp: 115104

Ion	Ratio	Lower	Upper
91	100		
106	32.1	14.9	54.9
51	10.1	0.0	33.1

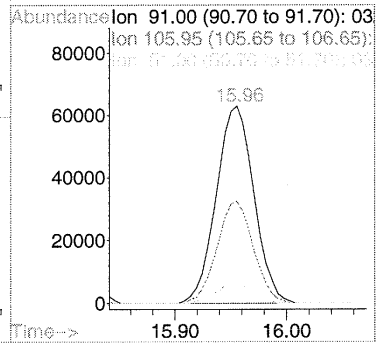


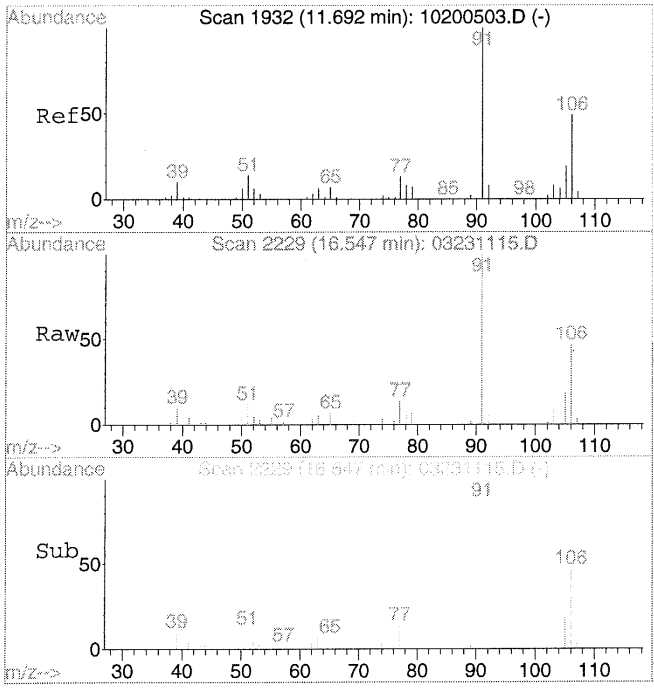


#51
m,p-Xylene
Concen: 1.19 ppbv
RT: 15.96 min Scan# 2116
Delta R.T. -0.00 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 91 Resp: 147752

Ion	Ratio	Lower	Upper
91	100		
106	49.9	35.6	75.6
51	10.3	0.0	29.6

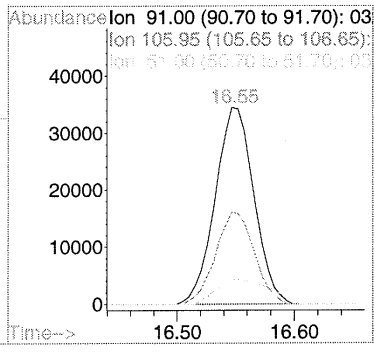


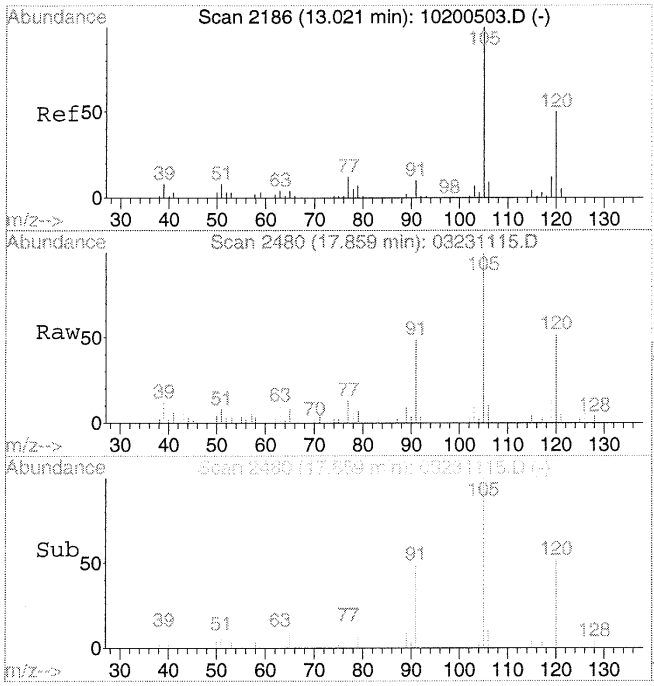


#52
o-Xylene
Concen: 0.65 ppbv
RT: 16.55 min Scan# 2229
Delta R.T. -0.00 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion: 91 Resp: 79385

Ion	Ratio	Lower	Upper
91	100		
106	46.5	41.0	61.6
51	17.2	19.7	29.5#

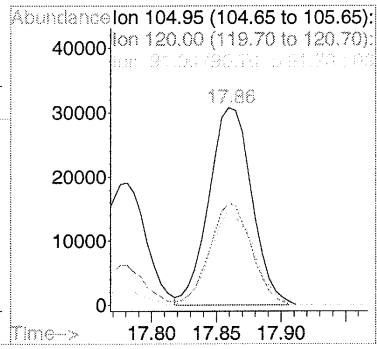


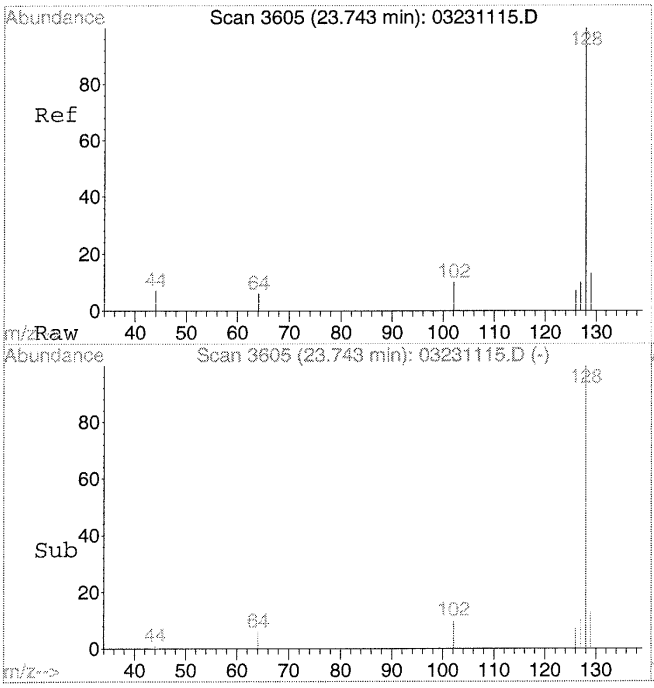


#58
1,3,5-Trimethylbenzene
Concen: 0.59 ppbv
RT: 17.86 min Scan# 2480
Delta R.T. -0.00 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion:105 Resp: 70963

Ion	Ratio	Lower	Upper
105	100		
120	50.0	32.1	72.1
91	48.5	0.0	30.4#

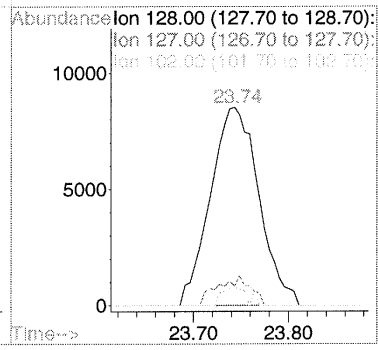




#66
Naphthalene
Concen: 0.68 ppbv
RT: 23.74 min Scan# 3605
Delta R.T. -0.01 min
Lab File: 03231115.D
Acq: 23 Mar 2011 10:39 pm

Tgt Ion:128 Resp: 30215

Ion	Ratio	Lower	Upper
128	100		
127	10.2	9.8	14.6
102	4.9	6.3	9.5#



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231116.D Vial: 21
Acq On : 23 Mar 2011 11:24 pm Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 400.00
MS Integration Params: CLME.P
Quant Time: Mar 24 0:48 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	550170	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2024983	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1433821	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	918313	12.78	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 102.24%				
Target Compounds							Qvalue
2) Propylene*	5.68	41	3670316	88.99	ppbv	#	49
7) 1,3-Butadiene	6.45	39	46855	1.13	ppbv	#	82
11) Ethanol	7.76	45	7903	0.86	ppbv	#	74
14) Acetone	8.36	43	86038	1.27	ppbv	#	97
16) 2-Propanol	8.43	45	31756	0.65	ppbv	#	1
17) Methylene chloride	8.92	49	99394	1.79	ppbv		92
18) tert-Butyl Methyl Ether	9.13	73	79882	0.64	ppbv	#	1
20) n-Hexane	9.39	57	139731	1.74	ppbv		95
26) Tetrahydrofuran	10.80	42	49420	1.08	ppbv	#	58
29) Cyclohexane	11.03	56	280266	3.45	ppbv	#	81
31) Benzene	11.47	78	396115	2.91	ppbv		96
34) Heptane	11.51	43	283549	2.90	ppbv	#	93
41) Toluene*	13.80	91	1631558	10.69	ppbv		99
45) 2-Hexanone	14.58	43	20692	0.63	ppbv		81
50) Ethylbenzene	15.80	91	381102	2.29	ppbv		94
51) m,p-Xylene*	15.96	91	995572	7.71	ppbv		93
52) o-Xylene *	16.55	91	331827	2.64	ppbv	#	88
57) 4-Ethyltoluene	17.73	105	200600	1.34	ppbv		99
58) 1,3,5-Trimethylbenzene	17.86	105	157126	1.27	ppbv		88
59) 1,2,4-Trimethylbenzene	18.44	105	227167	2.05	ppbv		97
66) Naphthalene	23.75	128	32744	0.71	ppbv	#	95

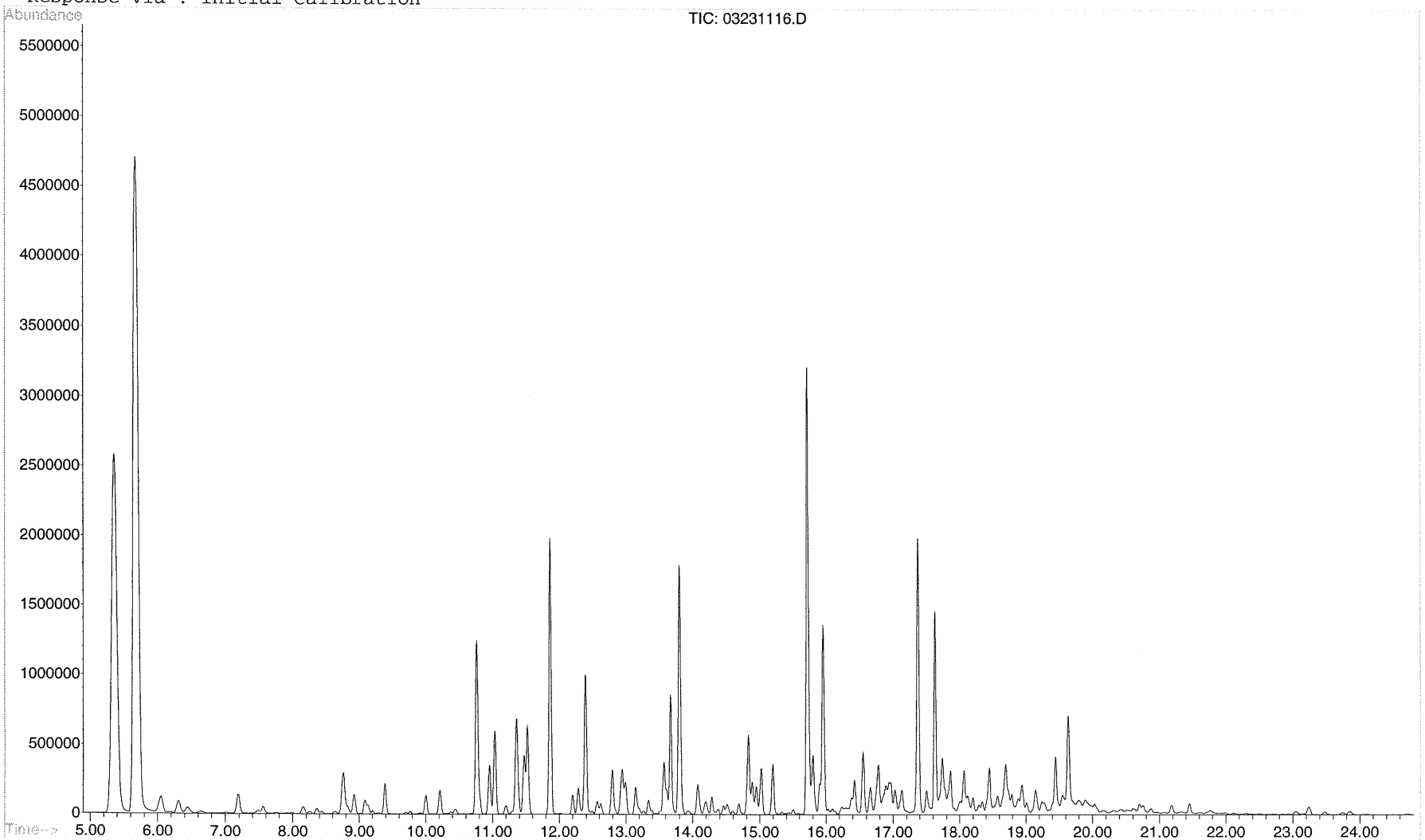
* reported only 4/15/11 AP

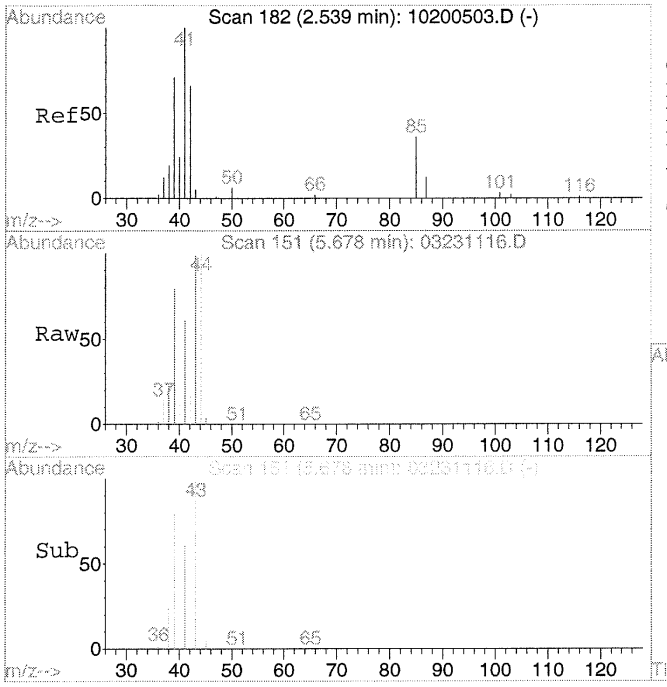
(#) = qualifier out of range (m) = manual integration
03231116.D 031611V1.M Wed Apr 13 18:21:21 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\032311\03231116.D Vial: 21
Acq On : 23 Mar 2011 11:24 pm Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 400.00
MS Integration Params: CLME.P
Quant Time: Mar 24 0:48 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

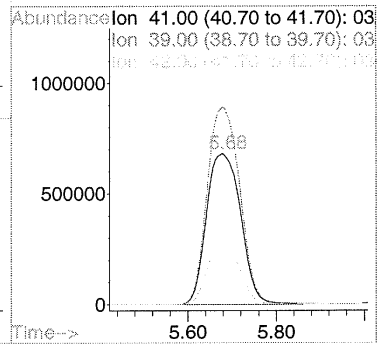


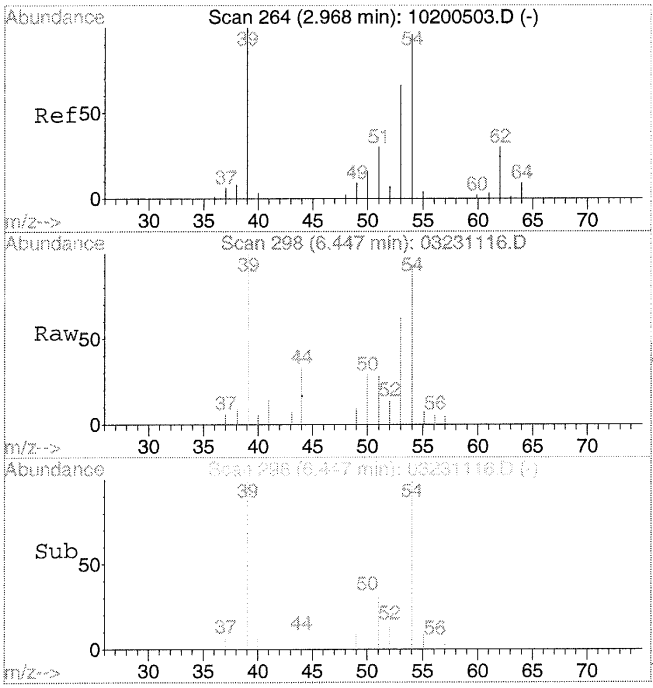


#2
Propylene
Concen: 88.99 ppbv
RT: 5.68 min Scan# 151
Delta R.T. -0.00 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion: 41 Resp: 3670316

Ion	Ratio	Lower	Upper
41	100		
39	124.6	57.6	86.4#
42	37.1	54.0	81.0#

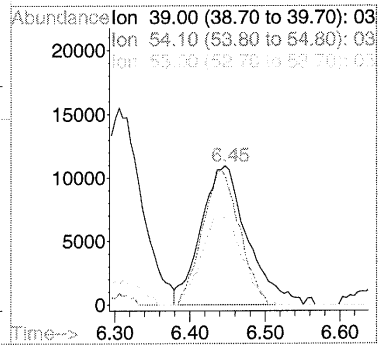


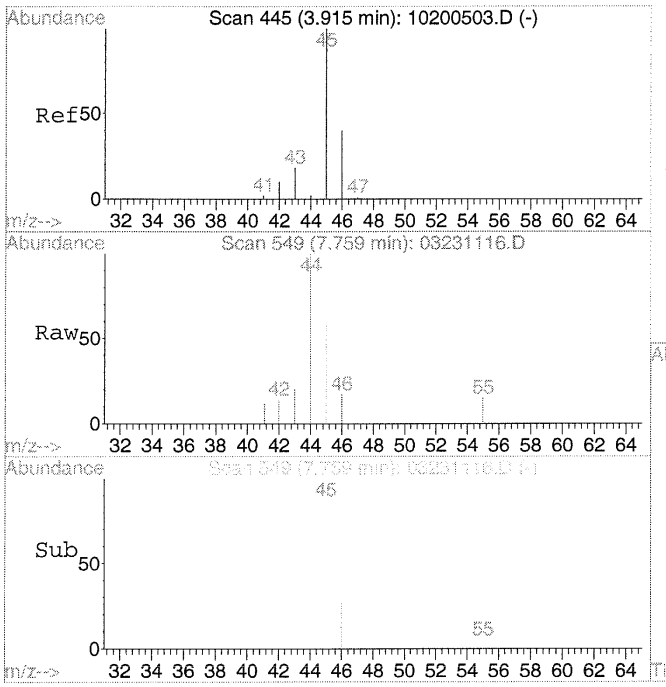


#7
1,3-Butadiene
Concen: 1.13 ppbv
RT: 6.45 min Scan# 298
Delta R.T. 0.01 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion: 39 Resp: 46855

Ion	Ratio	Lower	Upper
39	100		
54	77.6	79.4	119.0#
53	55.9	53.2	79.8

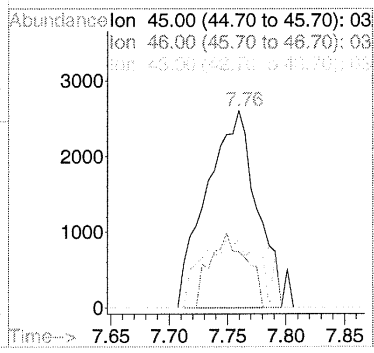


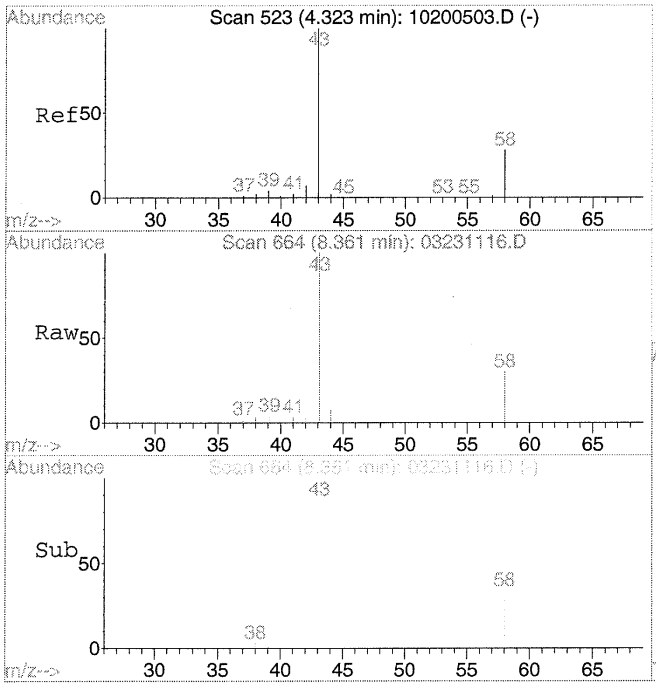


#11
Ethanol
Concen: 0.86 ppbv
RT: 7.76 min Scan# 549
Delta R.T. 0.03 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion: 45 Resp: 7903

Ion	Ratio	Lower	Upper
45	100		
46	27.2	30.2	45.4#
43	39.5	15.8	23.6#

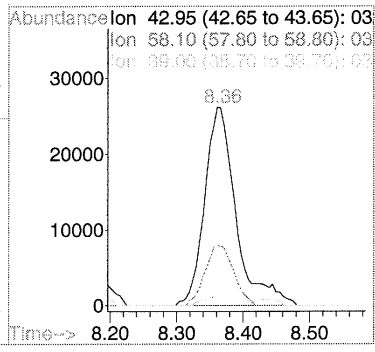


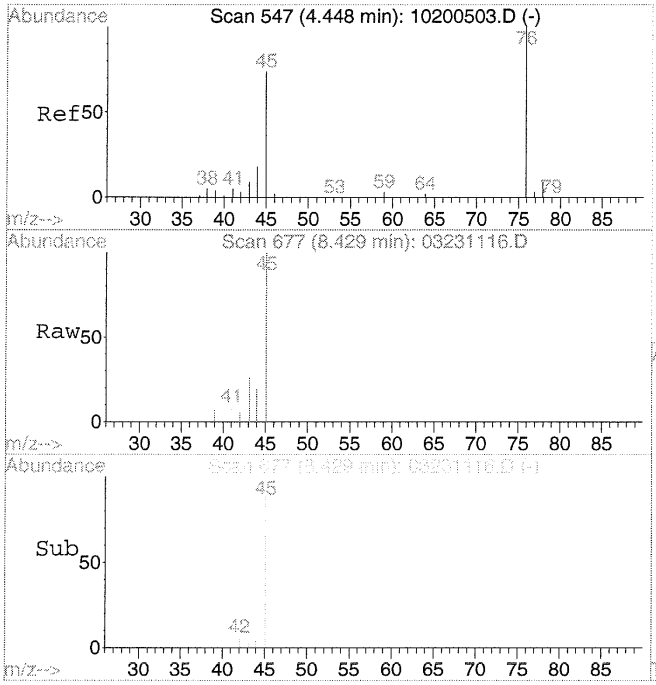


#14
Acetone
Concen: 1.27 ppbv
RT: 8.36 min Scan# 664
Delta R.T. 0.00 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion: 43 Resp: 86038

Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.0	33.0
39	4.5	6.5	9.7#

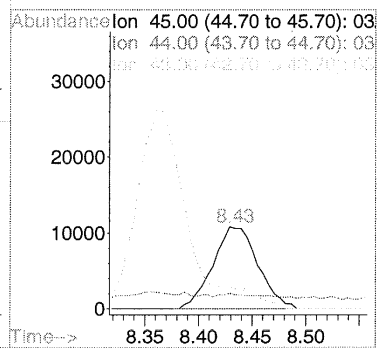


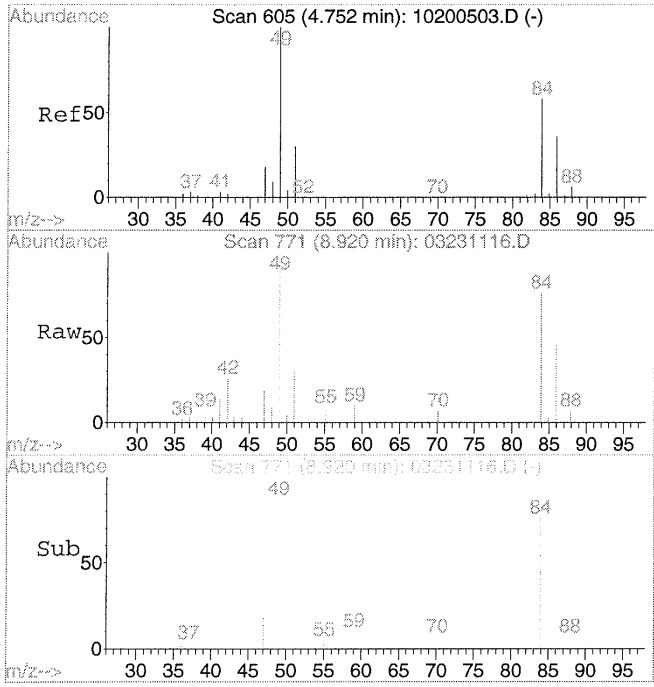


#16
2-Propanol
Concen: 0.65 ppbv
RT: 8.43 min Scan# 677
Delta R.T. 0.03 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion: 45 Resp: 31756

Ion	Ratio	Lower	Upper
45	100		
44	5.2	5.2	7.8#
43	0.0	101.1	151.7#

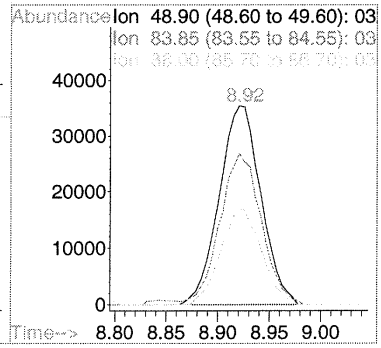


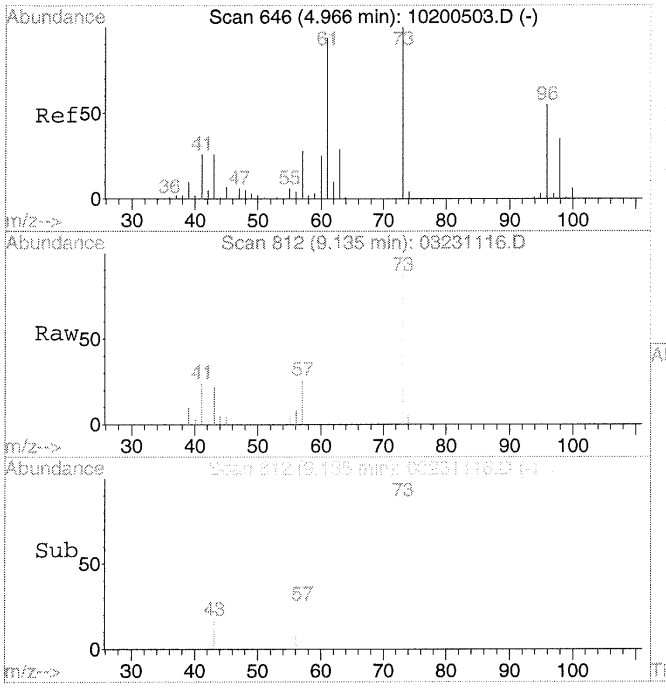


#17
Methylene chloride
Concen: 1.79 ppbv
RT: 8.92 min Scan# 771
Delta R.T. -0.00 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion: 49 Resp: 99394

Ion	Ratio	Lower	Upper
49	100		
84	75.3	65.4	98.2
86	46.8	42.3	63.5

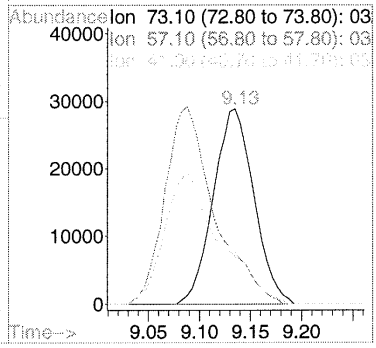


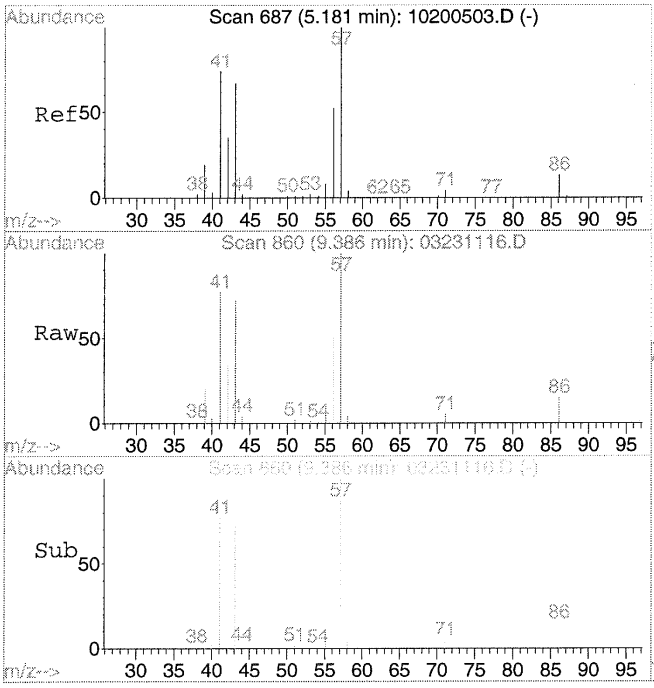


#18
tert-Butyl Methyl Ether
Concen: 0.64 ppbv
RT: 9.13 min Scan# 812
Delta R.T. 0.01 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion: 73 Resp: 79882

Ion	Ratio	Lower	Upper
73	100		
57	123.6	18.5	27.7#
41	90.5	17.3	25.9#

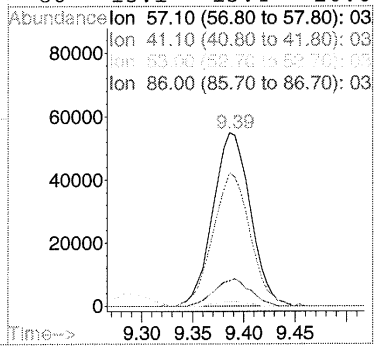


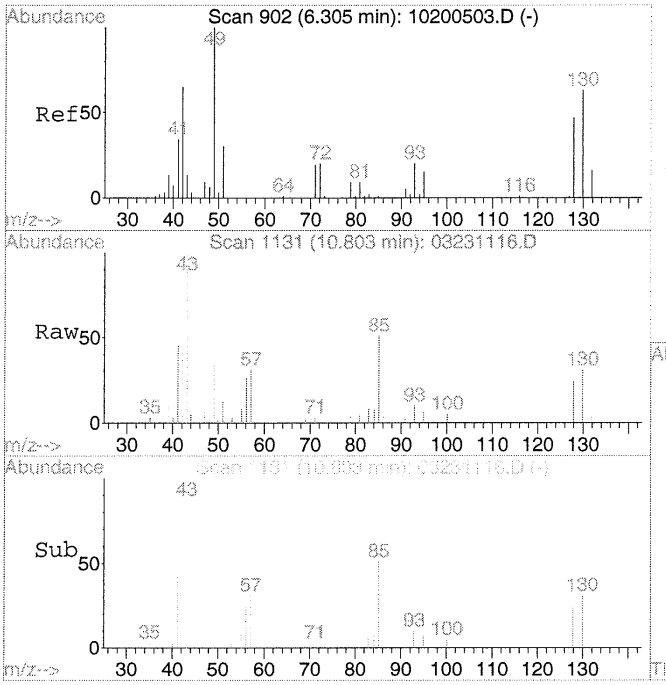


#20
n-Hexane
Concen: 1.74 ppbv
RT: 9.39 min Scan# 860
Delta R.T. -0.01 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion: 57 Resp: 139731

Ion	Ratio	Lower	Upper
57	100		
41	76.3	57.2	85.8
53	2.2	1.8	2.8
86	15.1	13.4	20.0

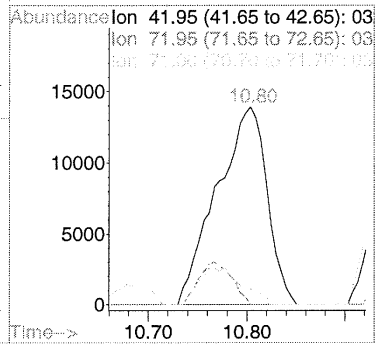


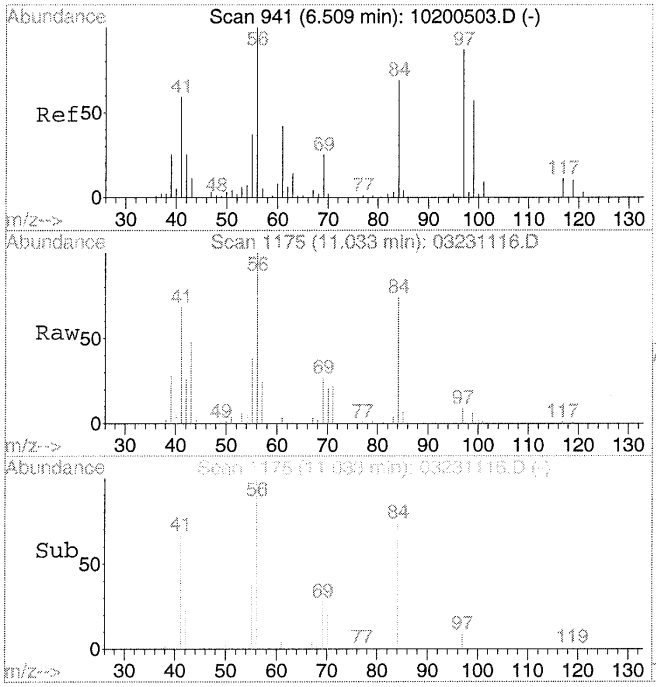


#26
Tetrahydrofuran
Concen: 1.08 ppbv
RT: 10.80 min Scan# 1131
Delta R.T. 0.05 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion: 42 Resp: 49420

Ion	Ratio	Lower	Upper
42	100		
72	14.2	35.0	52.6#
71	16.1	31.9	47.9#

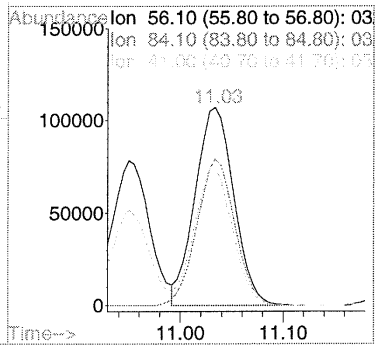


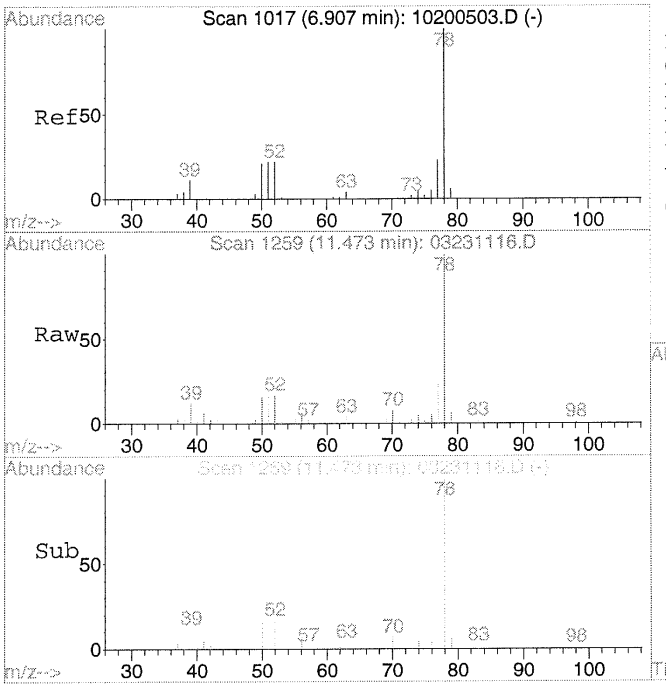


#29
Cyclohexane
Concen: 3.45 ppbv
RT: 11.03 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion: 56 Resp: 280266

Ion	Ratio	Lower	Upper
56	100		
84	72.4	72.4	108.6#
41	68.8	43.8	65.8#

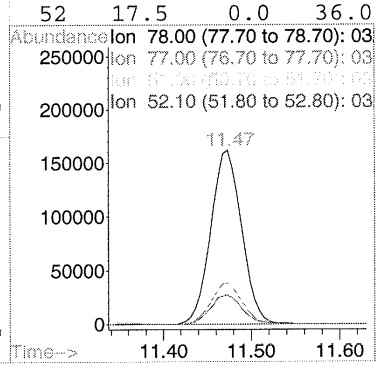


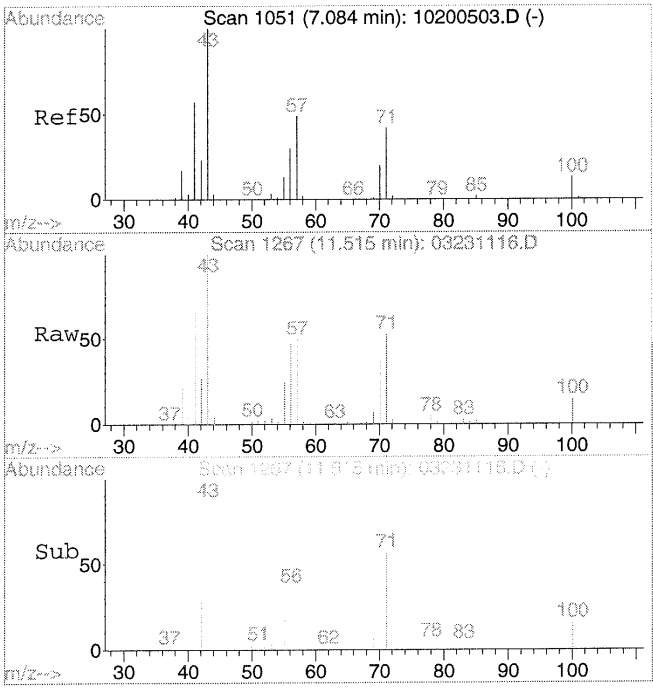


#31
Benzene
Concen: 2.91 ppbv
RT: 11.47 min Scan# 1259
Delta R.T. 0.00 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion: 78 Resp: 396115

Ion	Ratio	Lower	Upper
78	100		
77	24.2	3.7	43.7
51	19.2	0.0	36.1
52	17.5	0.0	36.0

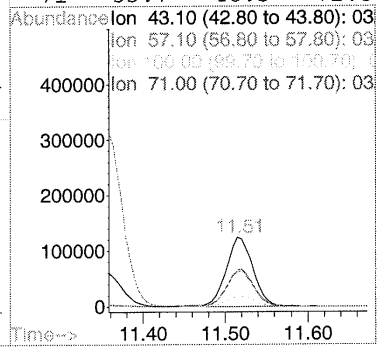


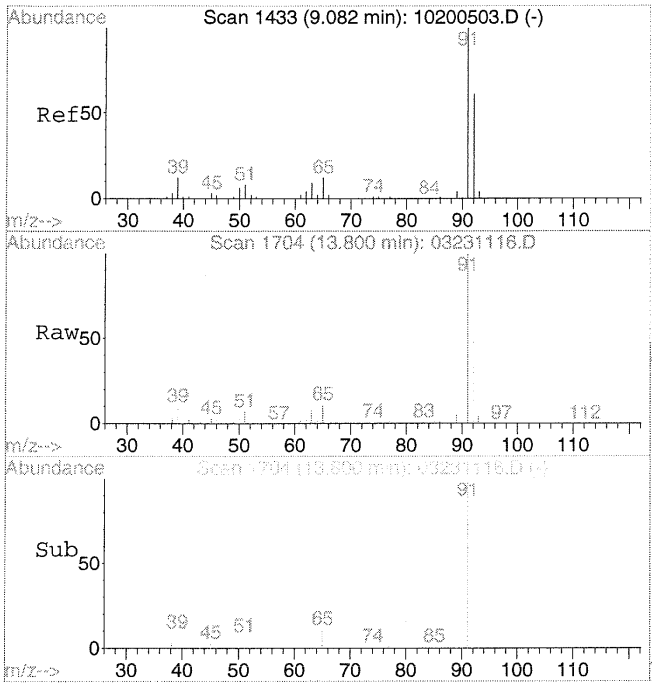


#34
Heptane
Concen: 2.90 ppbv
RT: 11.51 min Scan# 1267
Delta R.T. -0.01 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion: 43 Resp: 283549

Ion	Ratio	Lower	Upper
43	100		
57	54.6	42.2	63.4
100	15.3	17.3	25.9#
71	53.7	48.3	72.5

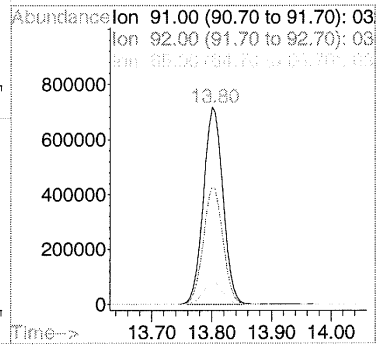


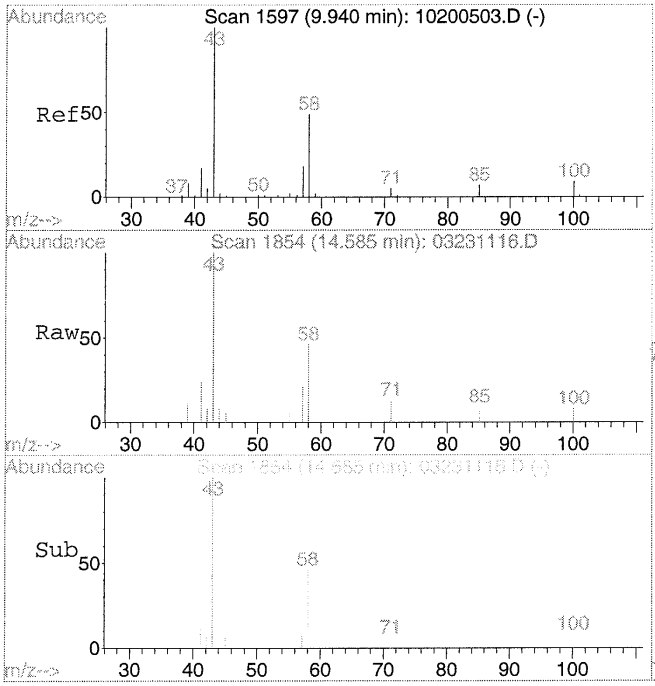


#41
Toluene
Concen: 10.69 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion: 91 Resp: 1631558

Ion	Ratio	Lower	Upper
91	100		
92	59.5	40.5	80.5
65	11.4	0.0	31.2

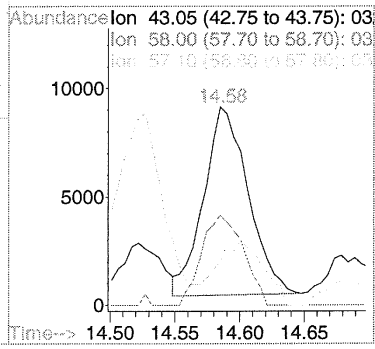


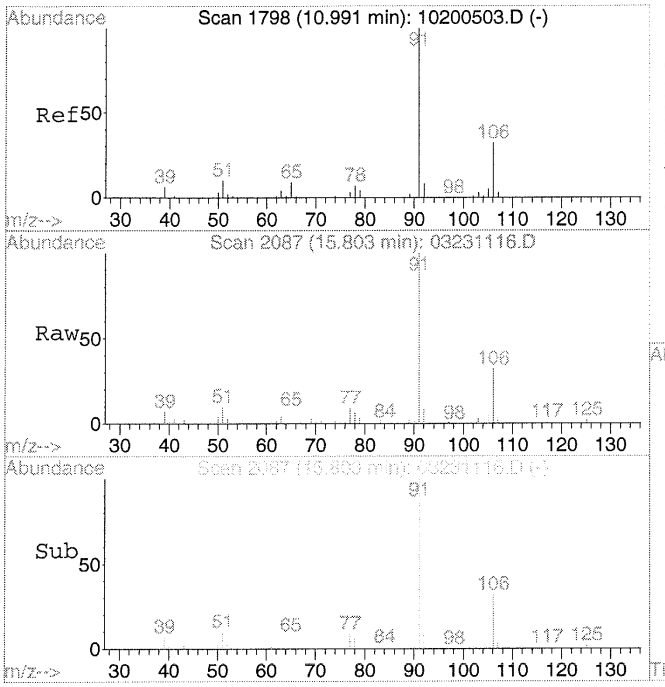


#45
2-Hexanone
Concen: 0.63 ppbv
RT: 14.58 min Scan# 1854
Delta R.T. 0.00 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion: 43 Resp: 20692

Ion	Ratio	Lower	Upper
43	100		
58	45.3	33.8	73.8
57	35.9	0.0	38.6

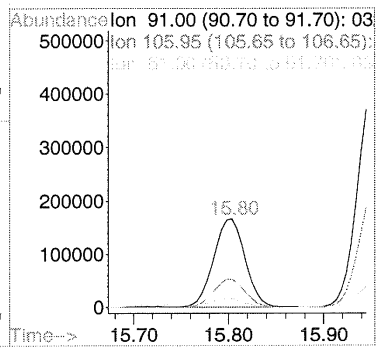


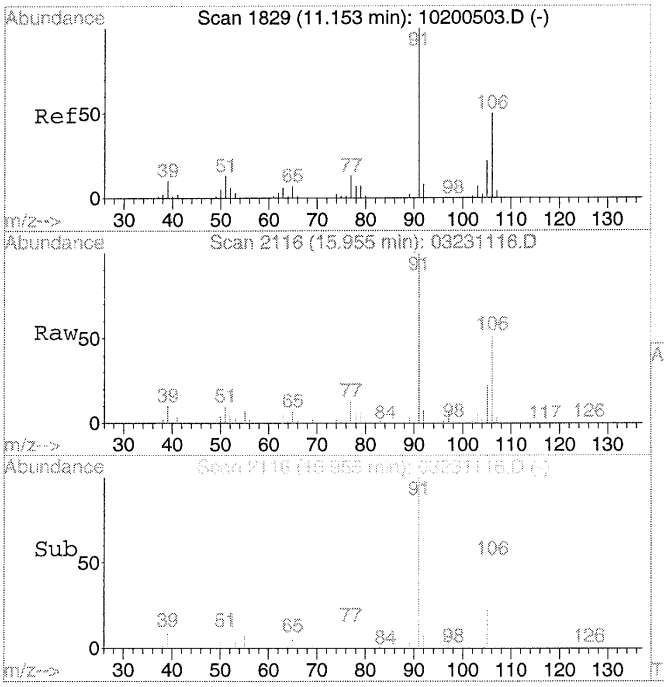


#50
Ethylbenzene
Concen: 2.29 ppbv
RT: 15.80 min Scan# 2087
Delta R.T. 0.00 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion: 91 Resp: 381102

Ion	Ratio	Lower	Upper
91	100		
106	31.9	14.9	54.9
51	10.5	0.0	33.1

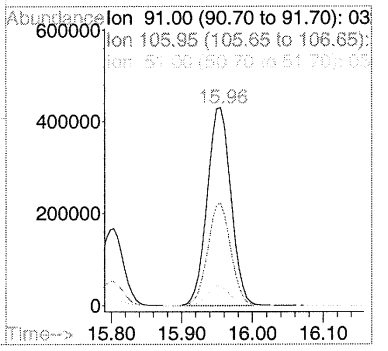


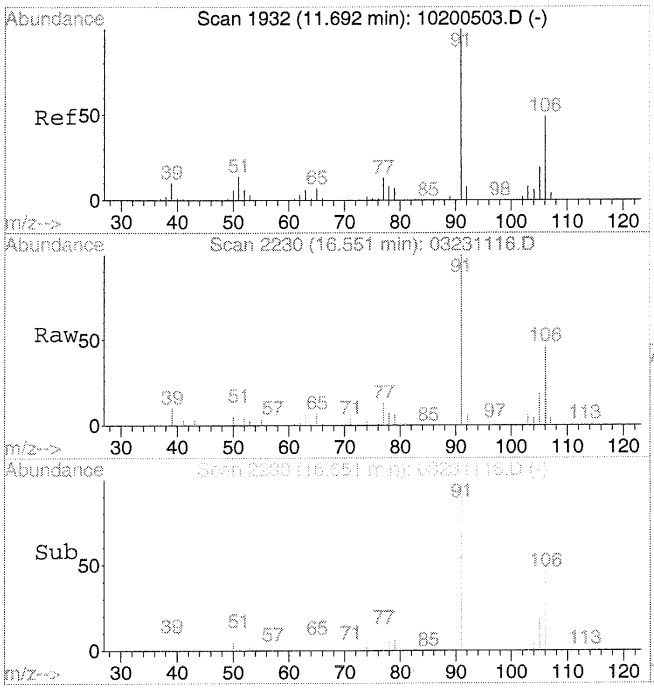


#51
m,p-Xylene
Concen: 7.71 ppbv
RT: 15.96 min Scan# 2116
Delta R.T. -0.00 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion: 91 Resp: 995572

Ion	Ratio	Lower	Upper
91	100		
106	50.1	35.6	75.6
51	10.3	0.0	29.6

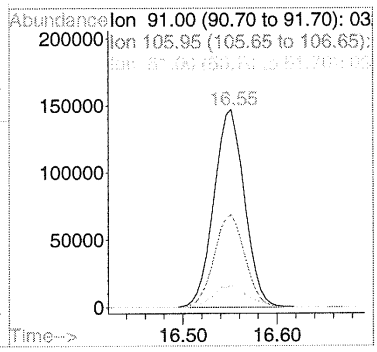


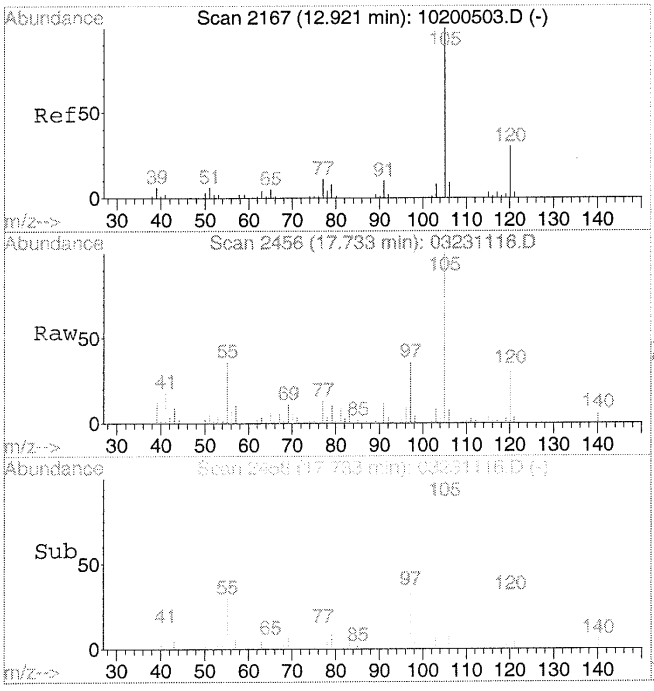


#52
o-Xylene
Concen: 2.64 ppbv
RT: 16.55 min Scan# 2230
Delta R.T. 0.00 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion: 91 Resp: 331827

Ion	Ratio	Lower	Upper
91	100		
106	46.9	41.0	61.6
51	12.5	19.7	29.5#

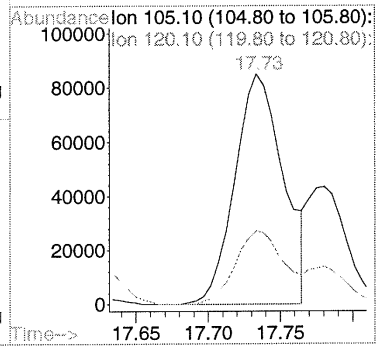


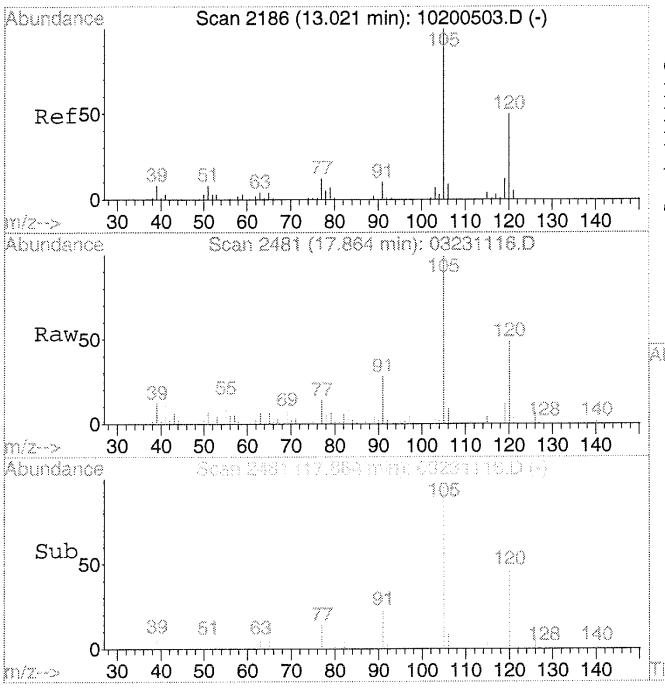


#57
4-Ethyltoluene
Concen: 1.34 ppbv
RT: 17.73 min Scan# 2456
Delta R.T. -0.05 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion:105 Resp: 200600

Ion	Ratio	Lower	Upper
105	100		
120	32.2	26.0	39.0

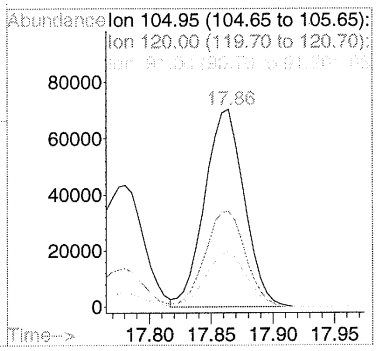


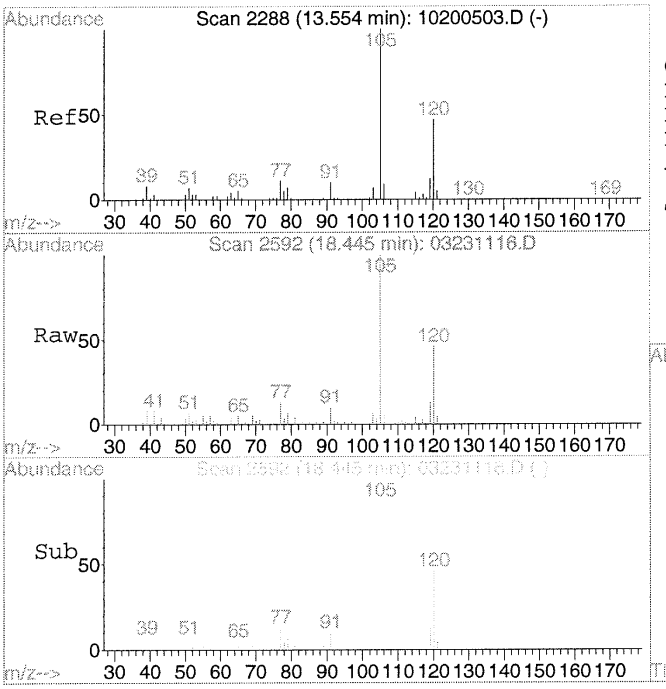


#58
1,3,5-Trimethylbenzene
Concen: 1.27 ppbv
RT: 17.86 min Scan# 2481
Delta R.T. 0.00 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion:105 Resp: 157126

Ion	Ratio	Lower	Upper
105	100		
120	49.1	32.1	72.1
91	29.0	0.0	30.4

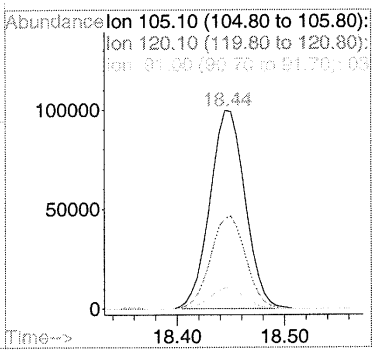


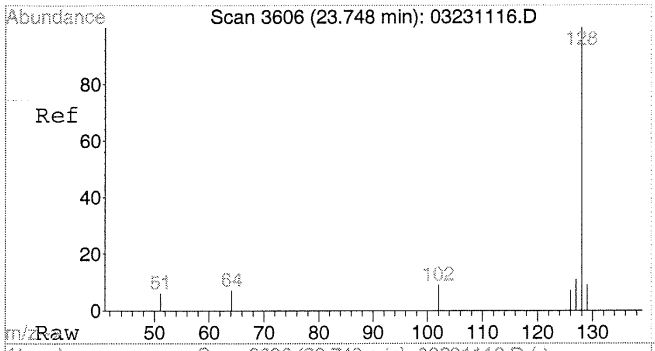


#59
1,2,4-Trimethylbenzene
Concen: 2.05 ppbv
RT: 18.44 min Scan# 2592
Delta R.T. -0.00 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion:105 Resp: 227167

Ion	Ratio	Lower	Upper
105	100		
120	46.6	38.9	58.3
91	10.6	8.2	12.2

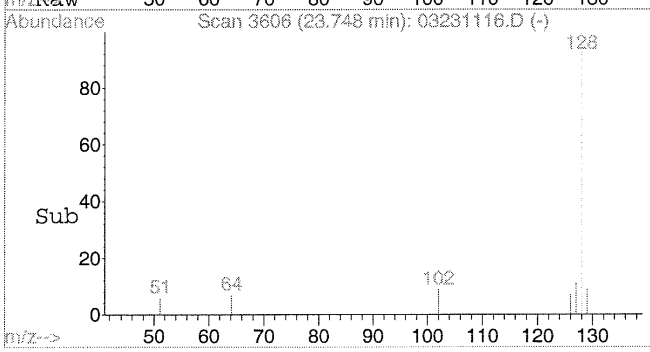


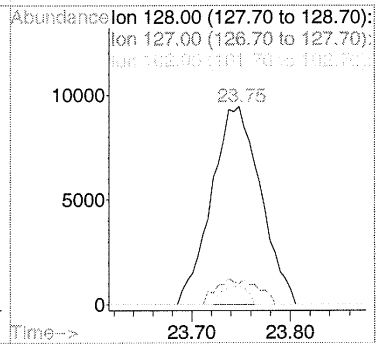


#66
Naphthalene
Concen: 0.71 ppbv
RT: 23.75 min Scan# 3606
Delta R.T. -0.00 min
Lab File: 03231116.D
Acq: 23 Mar 2011 11:24 pm

Tgt Ion:128 Resp: 32744

Ion	Ratio	Lower	Upper
128	100		
127	10.9	9.8	14.6
102	4.9	6.3	9.5#





Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231117.D Vial: 22
Acq On : 24 Mar 2011 12:08 am Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: CLME.P
Quant Time: Mar 24 1:34 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	526162	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	1960617	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.72	117	1338008	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	869480	12.97	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 103.76%				
Target Compounds							Qvalue
2) Propylene*	5.68	41	2597415	65.85	ppbv		85
7) 1,3-Butadiene	6.45	39	25746	0.65	ppbv	#	34
11) Ethanol	7.75	45	8879	1.02	ppbv	#	87
14) Acetone	8.37	43	145814	2.25	ppbv	#	95
16) 2-Propanol	8.43	45	36290	0.78	ppbv	#	1
17) Methylene chloride	8.92	49	229214	4.33	ppbv		92
18) tert-Butyl Methyl Ether	9.14	73	77704	0.65	ppbv	#	53
20) n-Hexane	9.39	57	114246	1.49	ppbv		95
24) 2-Butanone	10.43	43	37506	0.56	ppbv	#	88
26) Tetrahydrofuran	10.78	42	30765	0.70	ppbv	#	68
29) Cyclohexane	11.03	56	131423	1.69	ppbv	#	83
31) Benzene	11.47	78	407919	3.14	ppbv		98
34) Heptane	11.52	43	163897	1.73	ppbv	#	93
41) Toluene*	13.80	91	957767	6.48	ppbv		98
45) 2-Hexanone	14.59	43	21833	0.69	ppbv		87
50) Ethylbenzene	15.80	91	260300	1.67	ppbv		95
51) m,p-Xylene*	15.95	91	588028	4.88	ppbv		93
52) o-Xylene*	16.55	91	208995	1.78	ppbv	#	88
58) 1,3,5-Trimethylbenzene	17.73	105	125820	1.09	ppbv		76
59) 1,2,4-Trimethylbenzene	18.45	105	133020	1.29	ppbv		97
66) Naphthalene	23.74	128	37499	0.87	ppbv	#	97

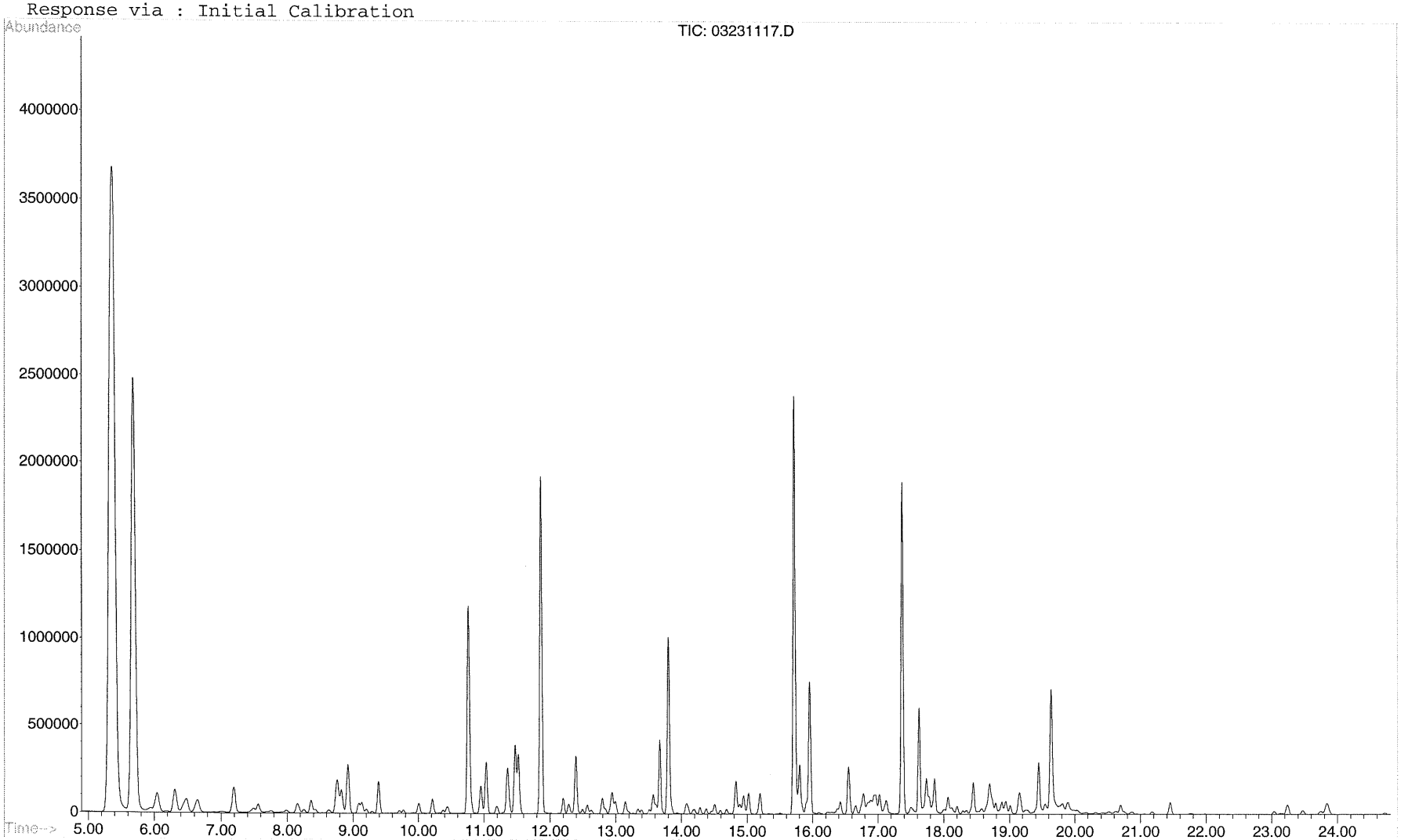
* = reported only 4/15/11 AP

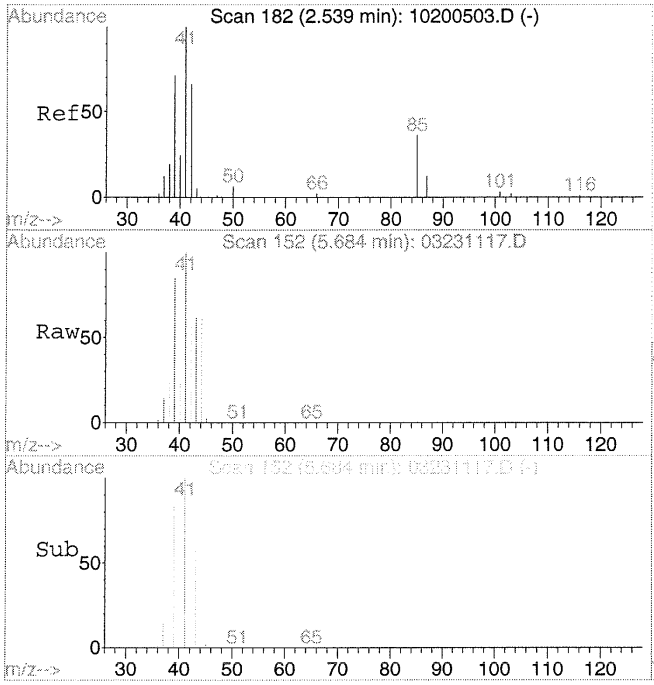
(#) = qualifier out of range (m) = manual integration
03231117.D 031611V1.M Wed Apr 13 18:21:41 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\032311\03231117.D Vial: 22
Acq On : 24 Mar 2011 12:08 am Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: CLME.P
Quant Time: Mar 24 1:34 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

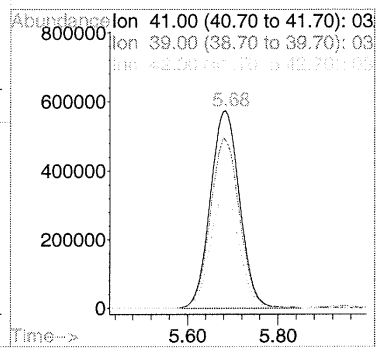


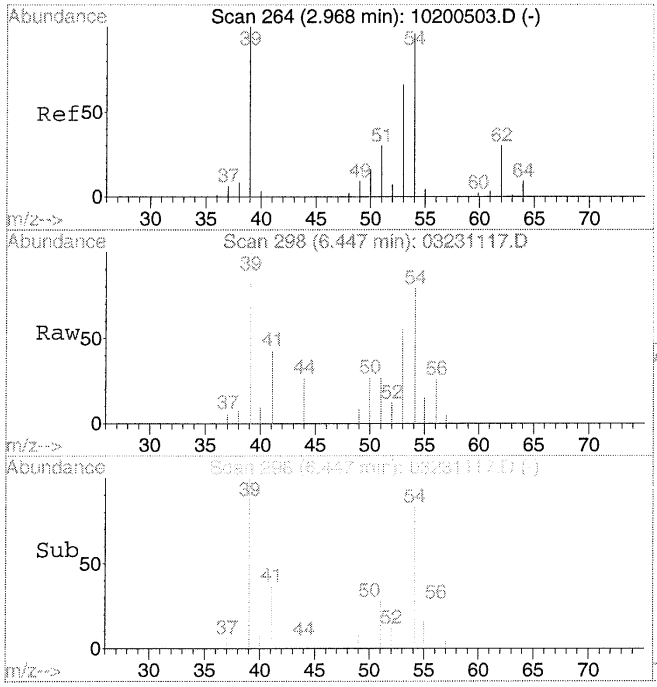


#2
Propylene
Concen: 65.85 ppbv
RT: 5.68 min Scan# 152
Delta R.T. 0.00 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 41 Resp: 2597415

Ion	Ratio	Lower	Upper
41	100		
39	85.8	57.6	86.4
42	57.5	54.0	81.0

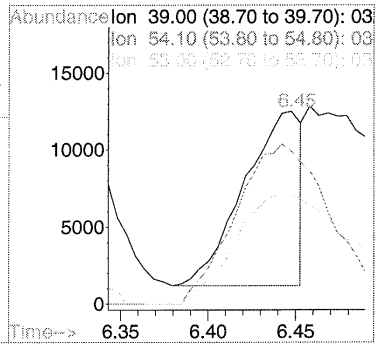


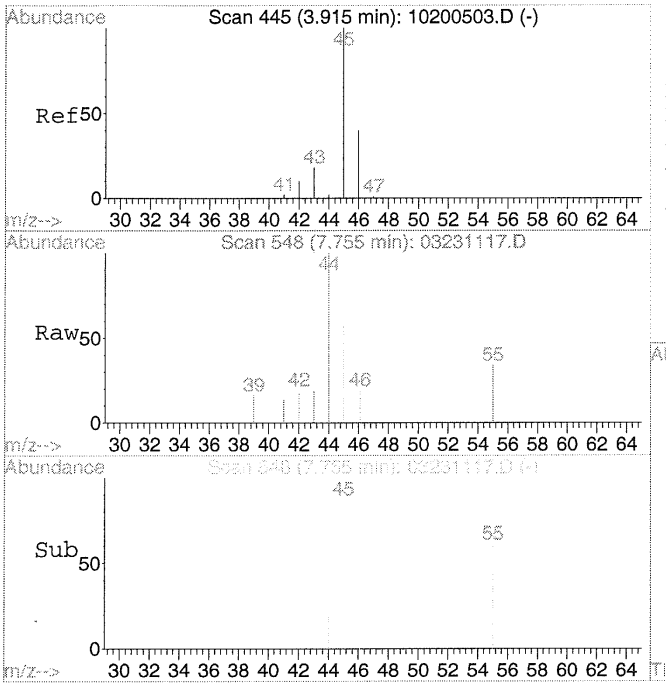


#7
1,3-Butadiene
Concen: 0.65 ppbv
RT: 6.45 min Scan# 298
Delta R.T. 0.01 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 39 Resp: 25746

Ion	Ratio	Lower	Upper
39	100		
54	155.1	79.4	119.0#
53	130.5	53.2	79.8#

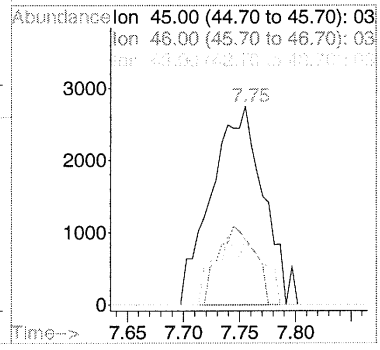


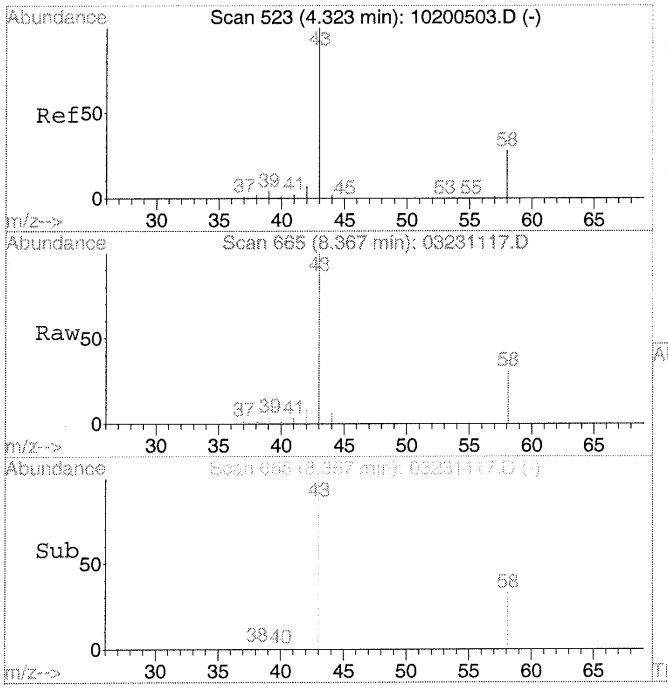


#11
Ethanol
Concen: 1.02 ppbv
RT: 7.75 min Scan# 548
Delta R.T. 0.02 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 45 Resp: 8879

Ion	Ratio	Lower	Upper
45	100		
46	27.8	30.2	45.4#
43	16.9	15.8	23.6

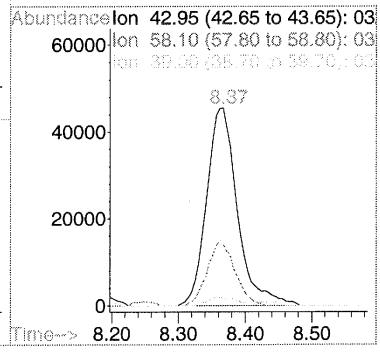


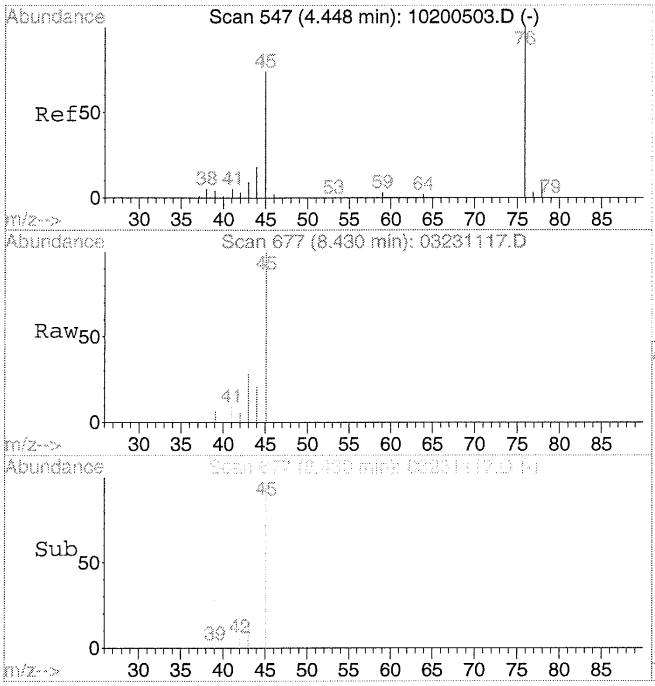


#14
Acetone
Concen: 2.25 ppbv
RT: 8.37 min Scan# 665
Delta R.T. 0.01 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 43 Resp: 145814

Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.0	33.0
39	4.1	6.5	9.7#

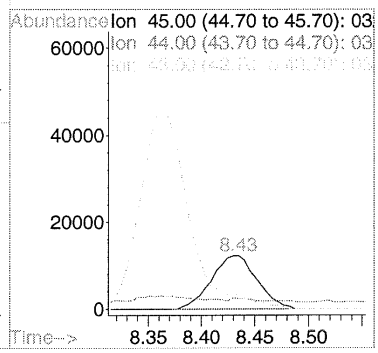


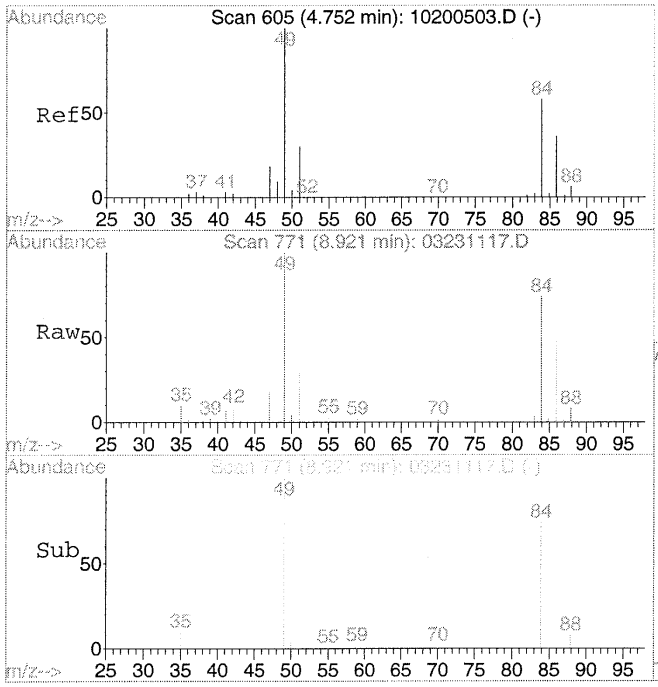


#16
2-Propanol
Concen: 0.78 ppbv
RT: 8.43 min Scan# 677
Delta R.T. 0.03 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 45 Resp: 36290

Ion	Ratio	Lower	Upper
45	100		
44	2.1	5.2	7.8#
43	0.0	101.1	151.7#

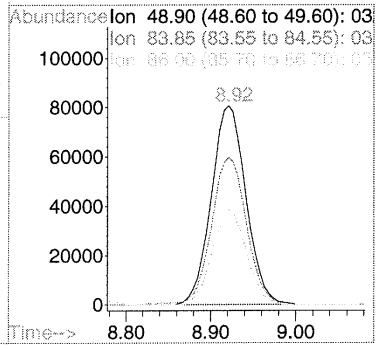


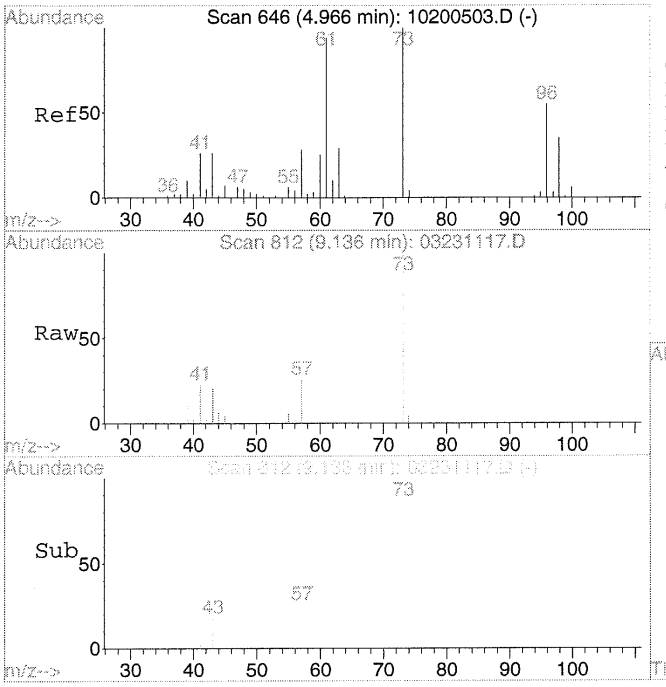


#17
Methylene chloride
Concen: 4.33 ppbv
RT: 8.92 min Scan# 771
Delta R.T. -0.00 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 49 Resp: 229214

Ion	Ratio	Lower	Upper
49	100		
84	75.1	65.4	98.2
86	47.2	42.3	63.5

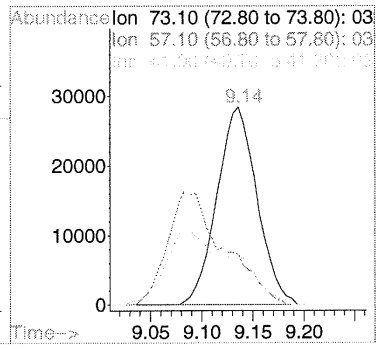


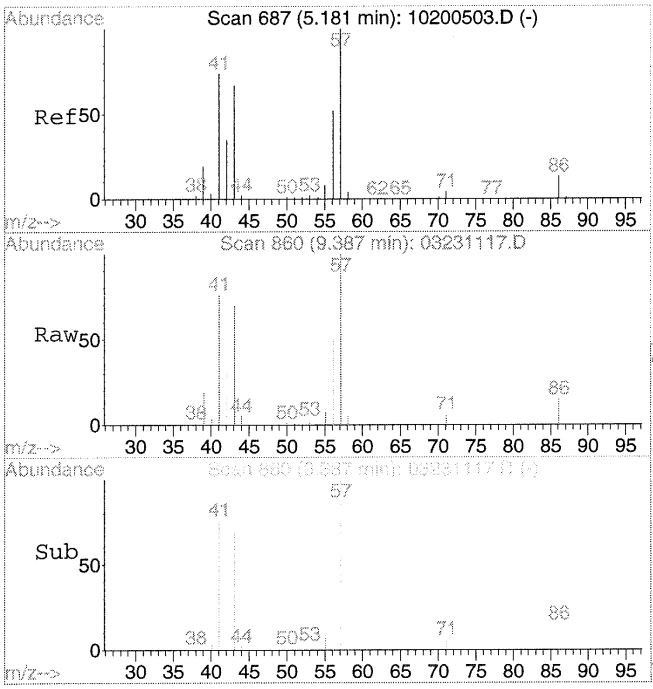


#18
tert-Butyl Methyl Ether
Concen: 0.65 ppbv
RT: 9.14 min Scan# 812
Delta R.T. 0.01 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 73 Resp: 77704

Ion	Ratio	Lower	Upper
73	100		
57	0.0	18.5	27.7#
41	0.0	17.3	25.9#

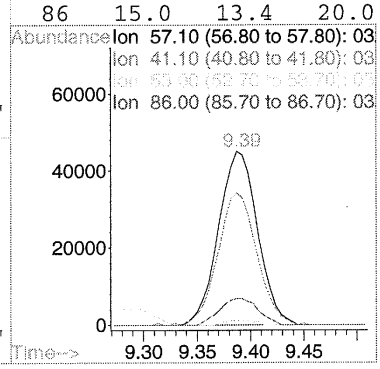


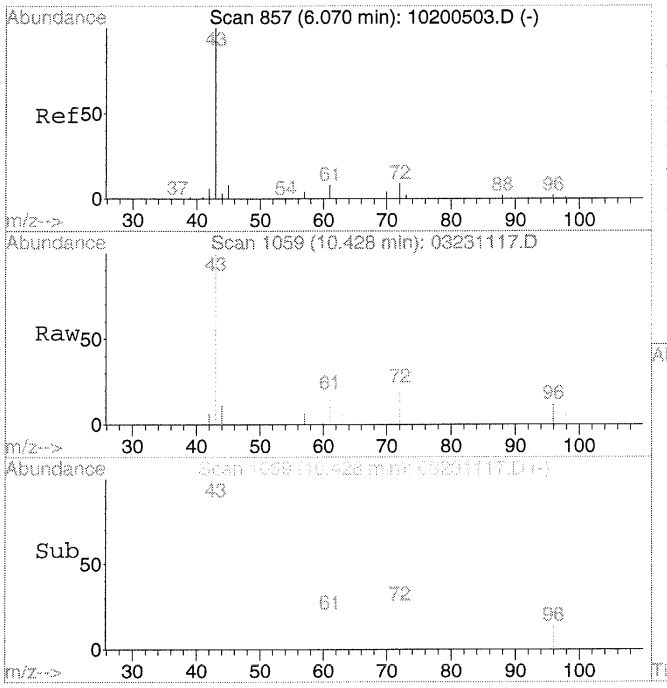


#20
n-Hexane
Concen: 1.49 ppbv
RT: 9.39 min Scan# 860
Delta R.T. -0.01 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 57 Resp: 114246

Ion	Ratio	Lower	Upper
57	100		
41	76.3	57.2	85.8
53	2.0	1.8	2.8
86	15.0	13.4	20.0

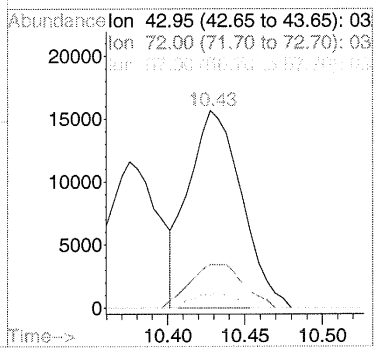


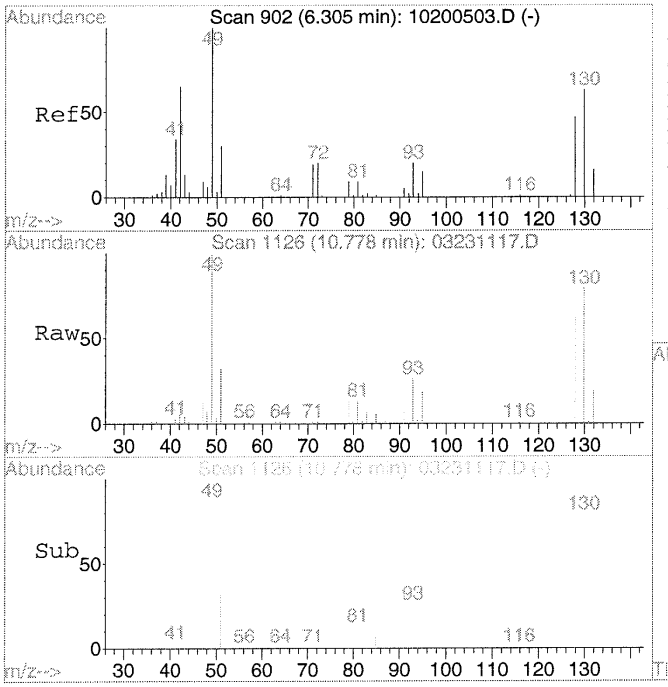


#24
2-Butanone
Concen: 0.56 ppbv
RT: 10.43 min Scan# 1059
Delta R.T. 0.01 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 43 Resp: 37506

Ion	Ratio	Lower	Upper
43	100		
72	22.3	23.4	35.2#
57	5.9	6.9	10.3#

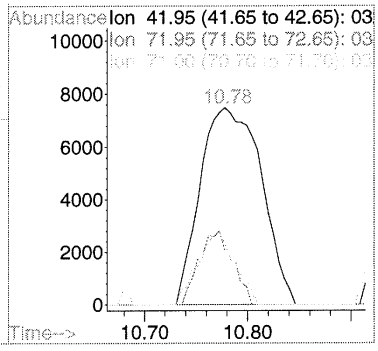


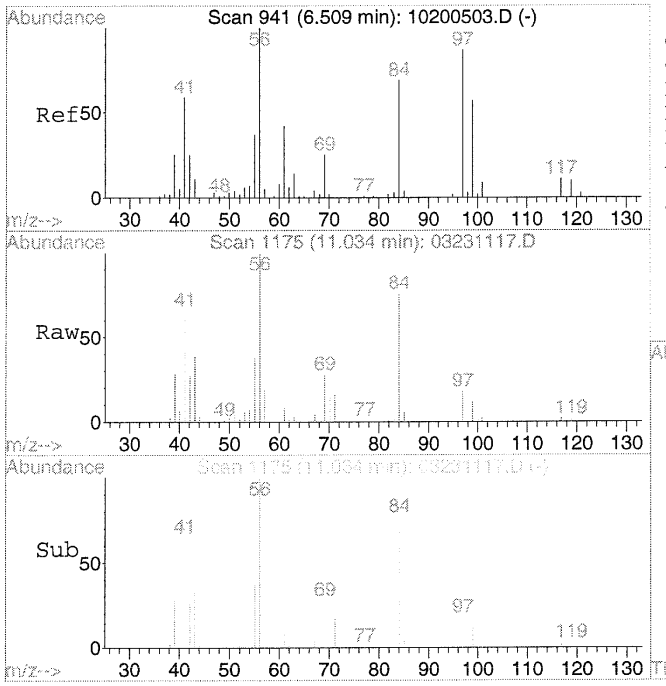


#26
Tetrahydrofuran
Concen: 0.70 ppbv
RT: 10.78 min Scan# 1126
Delta R.T. 0.02 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 42 Resp: 30765

Ion	Ratio	Lower	Upper
42	100		
72	20.9	35.0	52.6#
71	22.5	31.9	47.9#

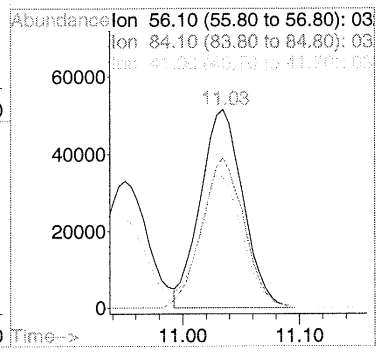


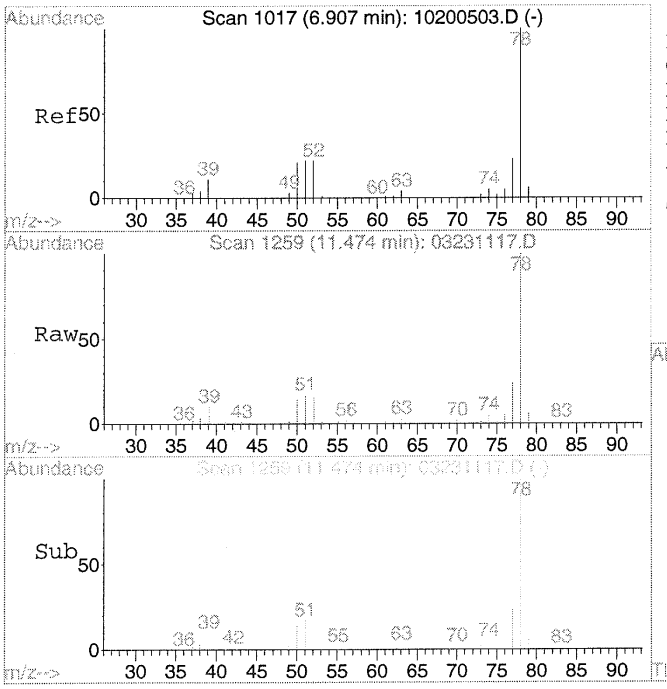


#29
Cyclohexane
Concen: 1.69 ppbv
RT: 11.03 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 56 Resp: 131423

Ion	Ratio	Lower	Upper
56	100		
84	75.1	72.4	108.6
41	68.8	43.8	65.8#

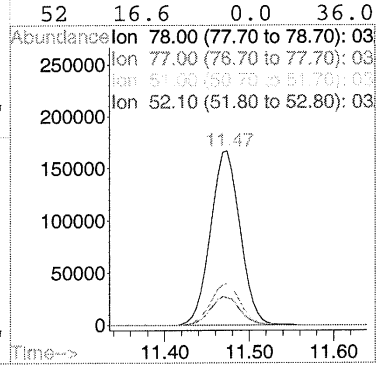


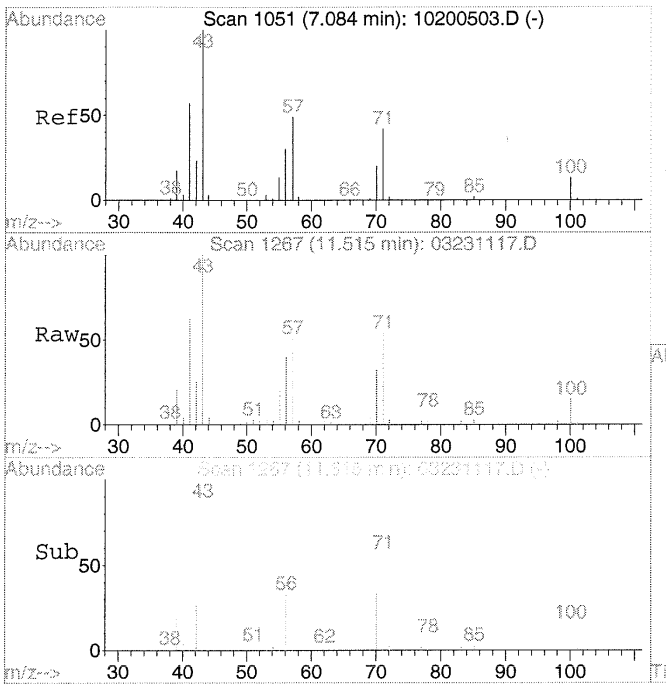


#31
Benzene
Concen: 3.14 ppbv
RT: 11.47 min Scan# 1259
Delta R.T. 0.00 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 78 Resp: 407919

Ion	Ratio	Lower	Upper
78	100		
77	24.0	3.7	43.7
51	18.2	0.0	36.1
52	16.6	0.0	36.0

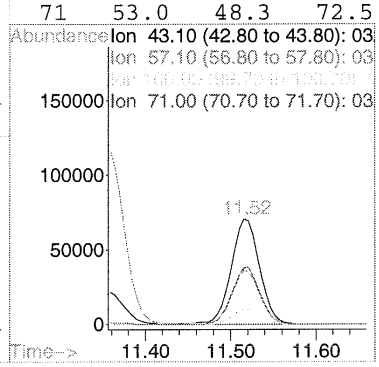


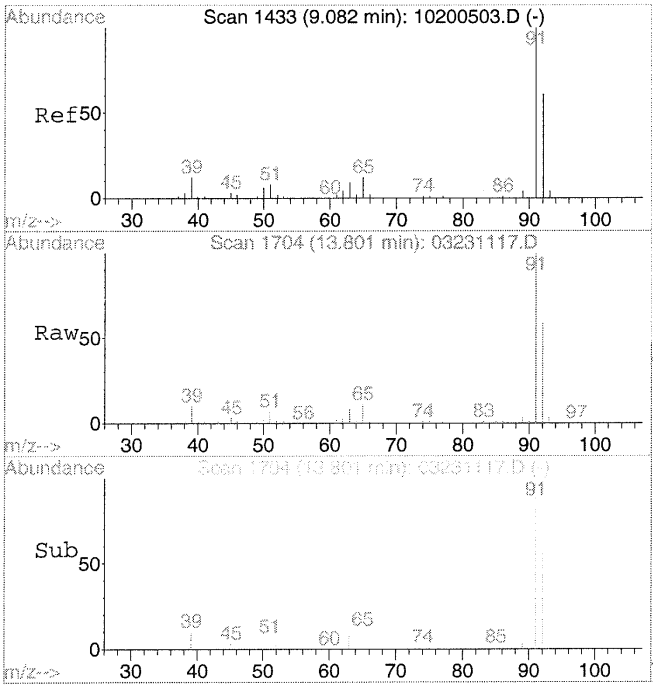


#34
Heptane
Concen: 1.73 ppbv
RT: 11.52 min Scan# 1267
Delta R.T. -0.01 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 43 Resp: 163897

Ion	Ratio	Lower	Upper
43	100		
57	52.0	42.2	63.4
100	14.8	17.3	25.9#
71	53.0	48.3	72.5

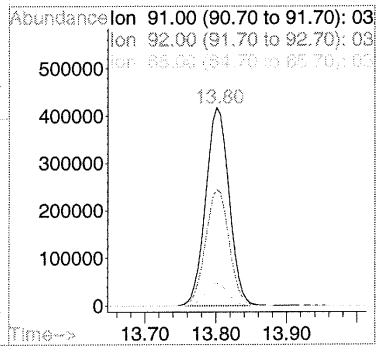


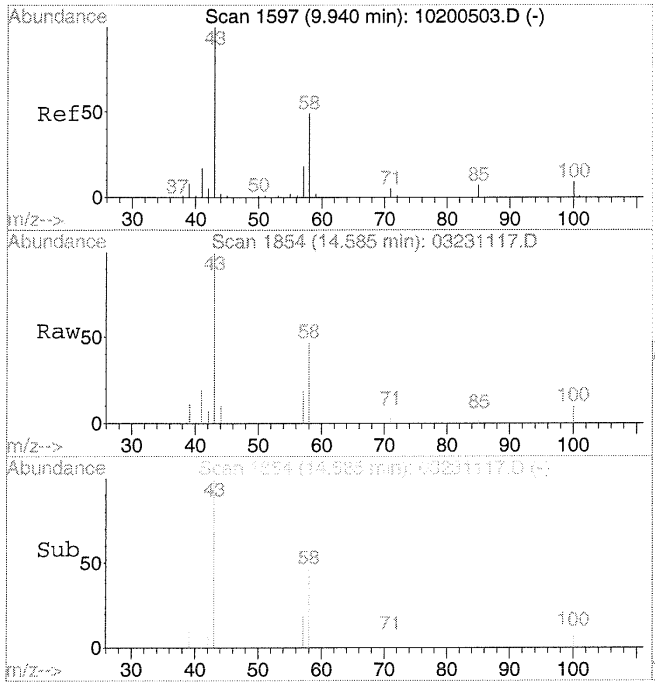


#41
Toluene
Concen: 6.48 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 91 Resp: 957767

Ion	Ratio	Lower	Upper
91	100		
92	58.9	40.5	80.5
65	11.2	0.0	31.2

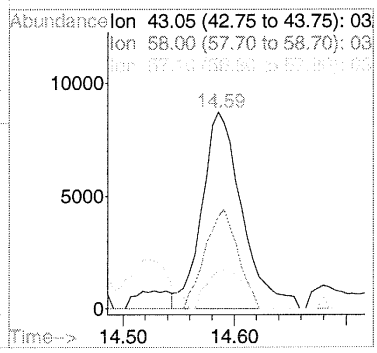


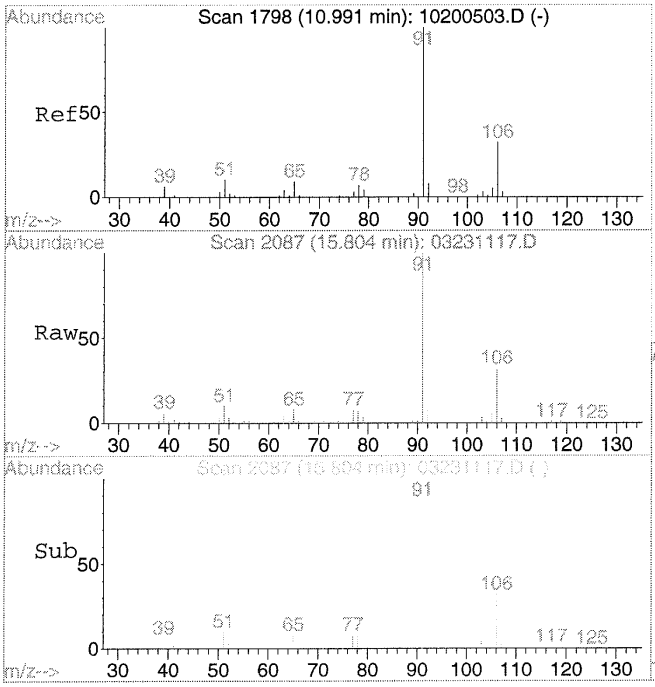


#45
2-Hexanone
Concen: 0.69 ppbv
RT: 14.59 min Scan# 1854
Delta R.T. 0.00 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 43 Resp: 21833

Ion	Ratio	Lower	Upper
43	100		
58	41.6	33.8	73.8
57	18.8	0.0	38.6

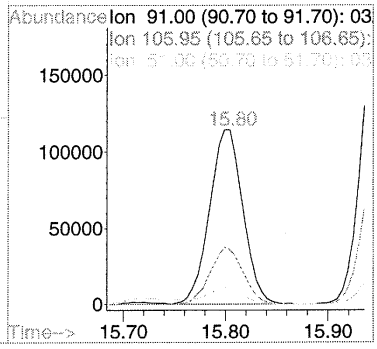


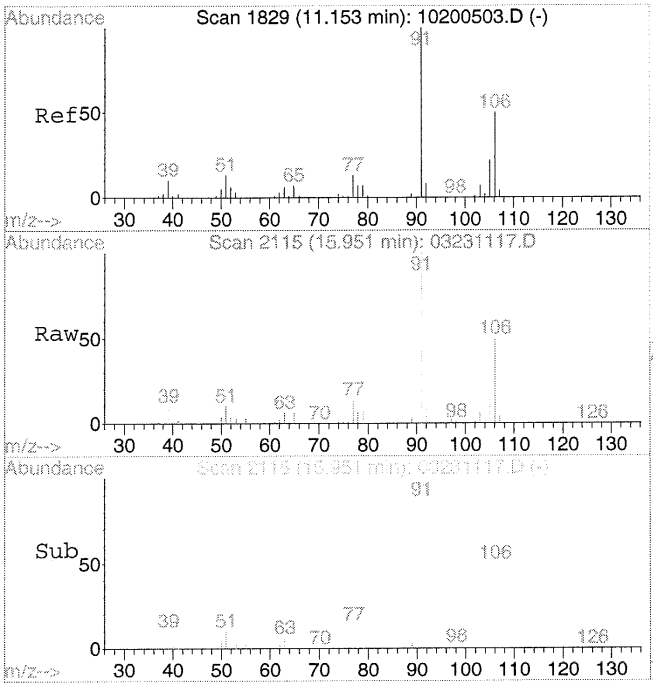


#50
Ethylbenzene
Concen: 1.67 ppbv
RT: 15.80 min Scan# 2087
Delta R.T. 0.00 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 91 Resp: 260300

Ion	Ratio	Lower	Upper
91	100		
106	32.4	14.9	54.9
51	10.6	0.0	33.1

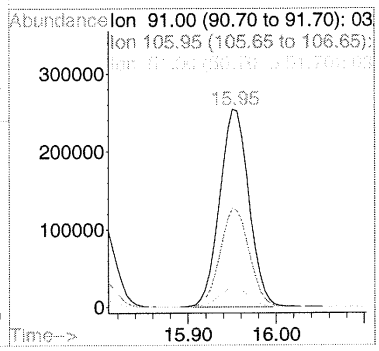


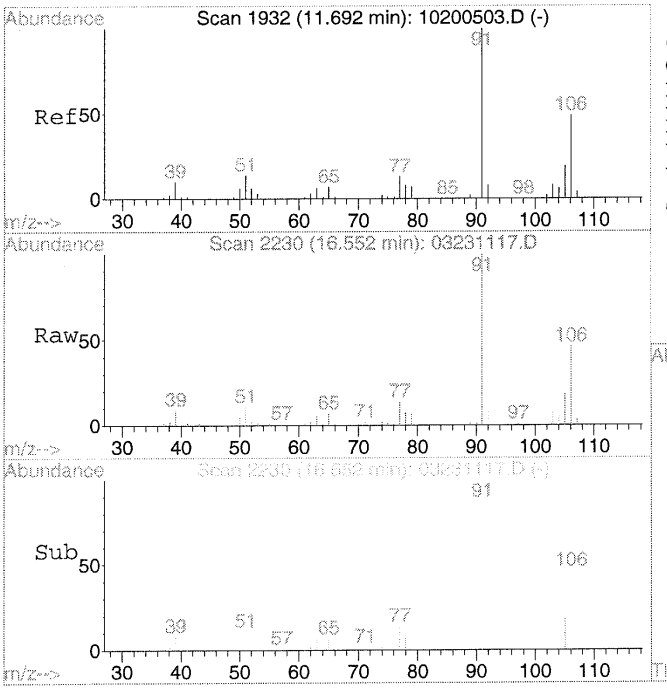


#51
m,p-Xylene
Concen: 4.88 ppbv
RT: 15.95 min Scan# 2115
Delta R.T. -0.01 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 91 Resp: 588028

Ion	Ratio	Lower	Upper
91	100		
106	50.1	35.6	75.6
51	10.2	0.0	29.6

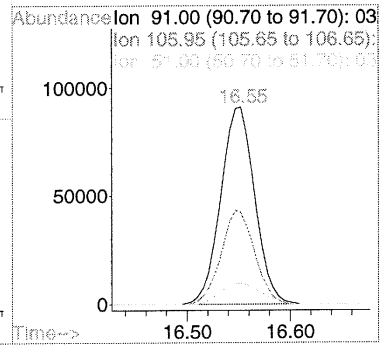


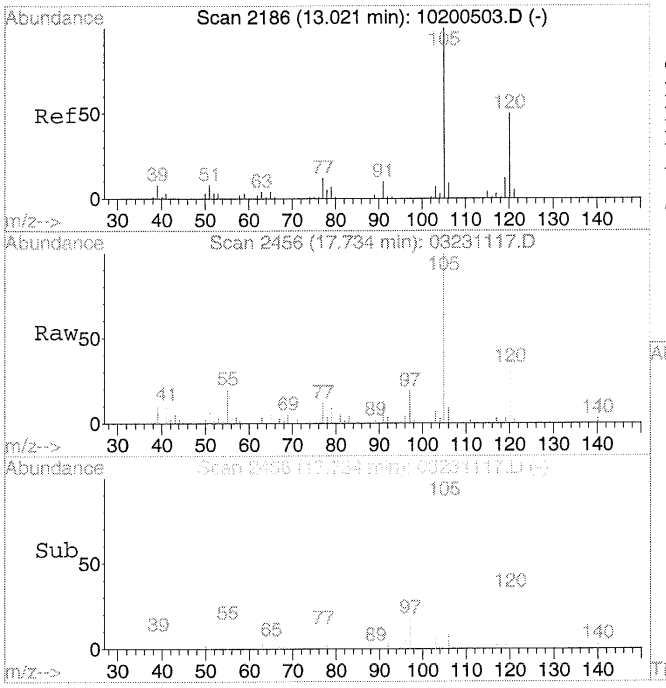


#52
o-Xylene
Concen: 1.78 ppbv
RT: 16.55 min Scan# 2230
Delta R.T. 0.00 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion: 91 Resp: 208995

Ion	Ratio	Lower	Upper
91	100		
106	46.9	41.0	61.6
51	13.1	19.7	29.5#

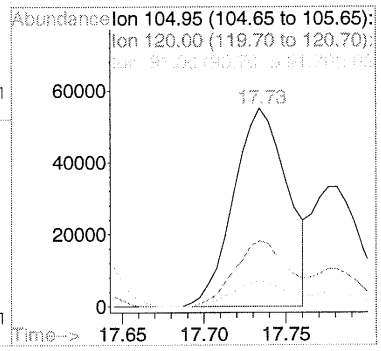


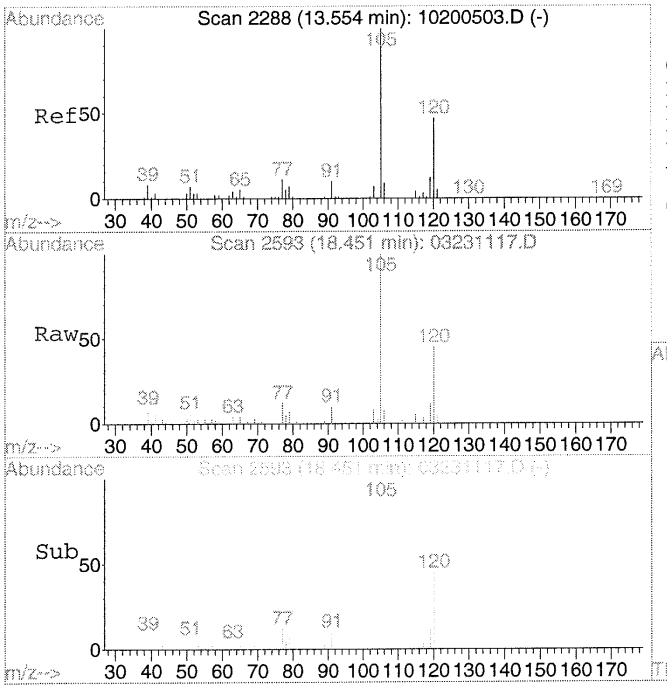


#58
1,3,5-Trimethylbenzene
Concen: 1.09 ppbv
RT: 17.73 min Scan# 2456
Delta R.T. -0.13 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion:105 Resp: 125820

Ion	Ratio	Lower	Upper
105	100		
120	32.4	32.1	72.1
91	12.9	0.0	30.4

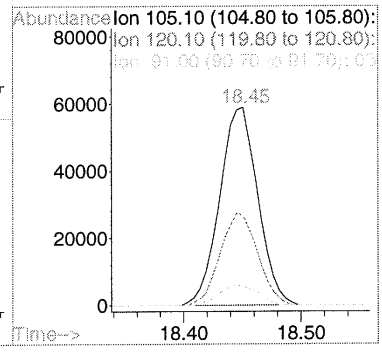


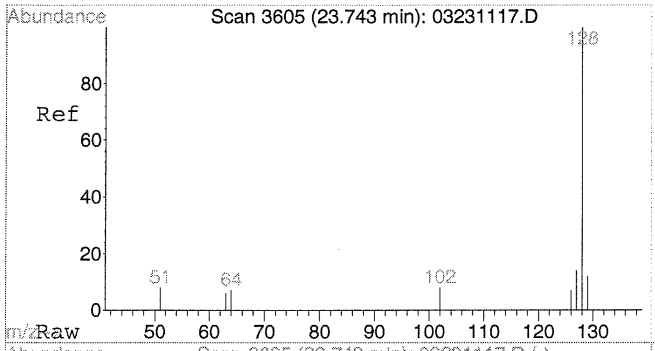


#59
1,2,4-Trimethylbenzene
Concen: 1.29 ppbv
RT: 18.45 min Scan# 2593
Delta R.T. 0.00 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion:105 Resp: 133020

Ion	Ratio	Lower	Upper
105	100		
120	45.9	38.9	58.3
91	10.4	8.2	12.2

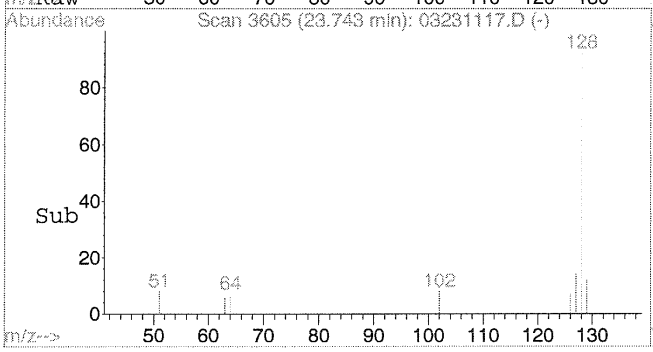


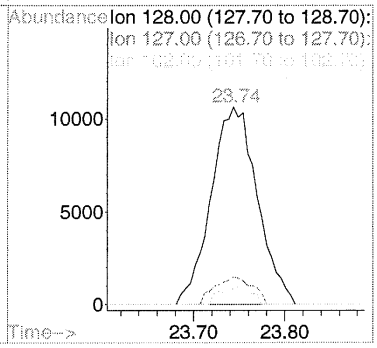


#66
Naphthalene
Concen: 0.87 ppbv
RT: 23.74 min Scan# 3605
Delta R.T. -0.01 min
Lab File: 03231117.D
Acq: 24 Mar 2011 12:08 am

Tgt Ion:128 Resp: 37499

Ion	Ratio	Lower	Upper
128	100		
127	11.4	9.8	14.6
102	5.9	6.3	9.5#





Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231118.D Vial: 23
Acq On : 24 Mar 2011 12:53 am Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: CLME.P
Quant Time: Mar 24 2:19 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	540417	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2060104	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.72	117	1422860	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	938662	13.16	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 105.28%				
Target Compounds							Qvalue
2) Propylene *	5.68	41	3381787	83.48	ppbv	#	72
7) 1,3-Butadiene	6.44	39	74574	1.82	ppbv		88
11) Ethanol	7.74	45	7758	0.86	ppbv	#	76
14) Acetone	8.36	43	139423	2.09	ppbv	#	95
16) 2-Propanol	8.43	45	33117	0.69	ppbv	#	1
17) Methylene chloride	8.92	49	156177	2.87	ppbv		92
18) tert-Butyl Methyl Ether	9.14	73	80167	0.65	ppbv	#	53
20) n-Hexane	9.39	57	157670	2.00	ppbv		95
26) Tetrahydrofuran	10.79	42	42777	0.95	ppbv	#	61
29) Cyclohexane	11.03	56	216341	2.71	ppbv	#	81
31) Benzene *	11.47	78	877856	6.57	ppbv		98
34) Heptane	11.52	43	210900	2.12	ppbv	#	94
41) Toluene	13.80	91	245093	1.58	ppbv		97
45) 2-Hexanone	14.59	43	19956	0.60	ppbv		86
50) Ethylbenzene	15.80	91	107177	0.65	ppbv		94
51) m,p-Xylene	15.96	91	145229	1.13	ppbv		93
52) o-Xylene	16.55	91	81951	0.66	ppbv	#	93
66) Naphthalene	23.75	128	31871	0.70	ppbv	#	94

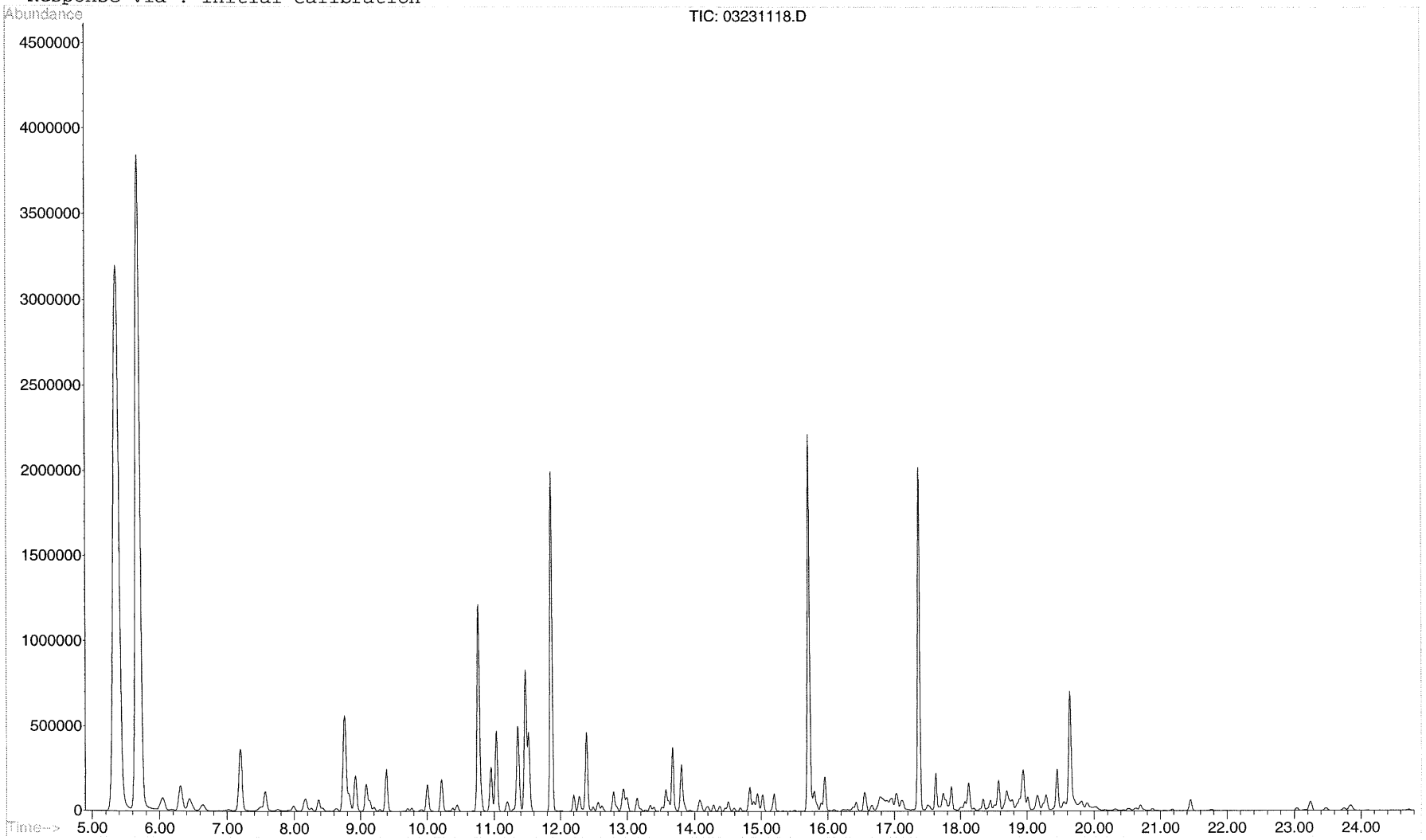
* = reported only 4/15/11 AP

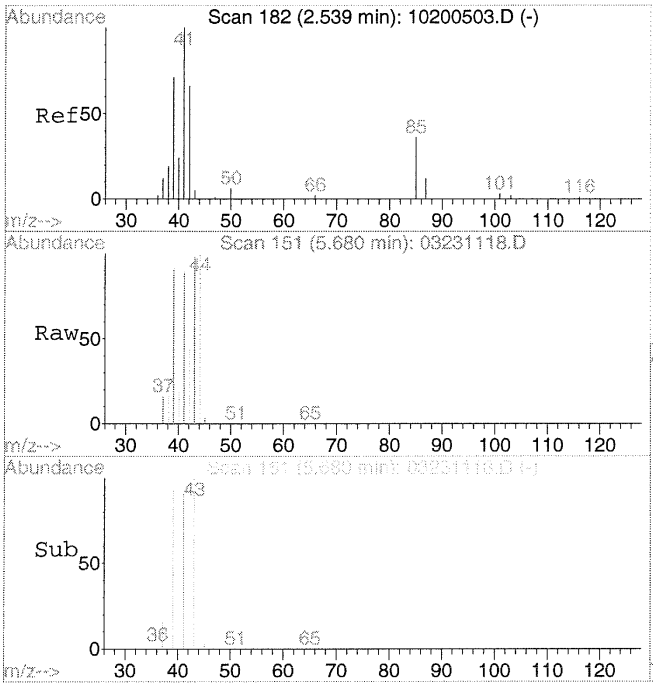
(#) = qualifier out of range (m) = manual integration
03231118.D 031611V1.M Wed Apr 13 18:21:56 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\032311\03231118.D Vial: 23
Acq On : 24 Mar 2011 12:53 am Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: CLME.P
Quant Time: Mar 24 2:19 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

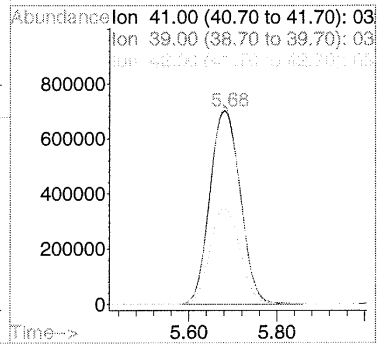


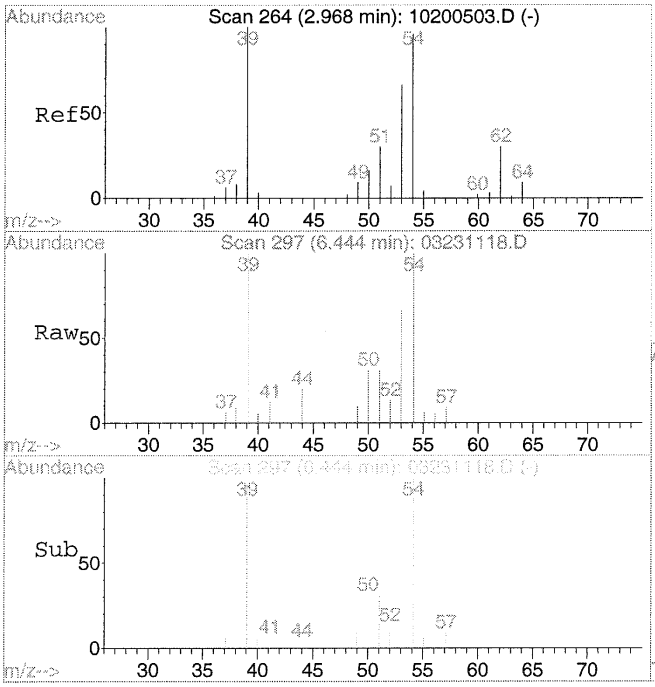


#2
Propylene
Concen: 83.48 ppbv
RT: 5.68 min Scan# 151
Delta R.T. -0.00 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion: 41 Resp: 3381787

Ion	Ratio	Lower	Upper
41	100		
39	100.0	57.6	86.4#
42	49.2	54.0	81.0#

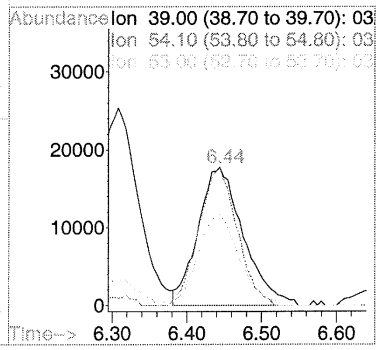


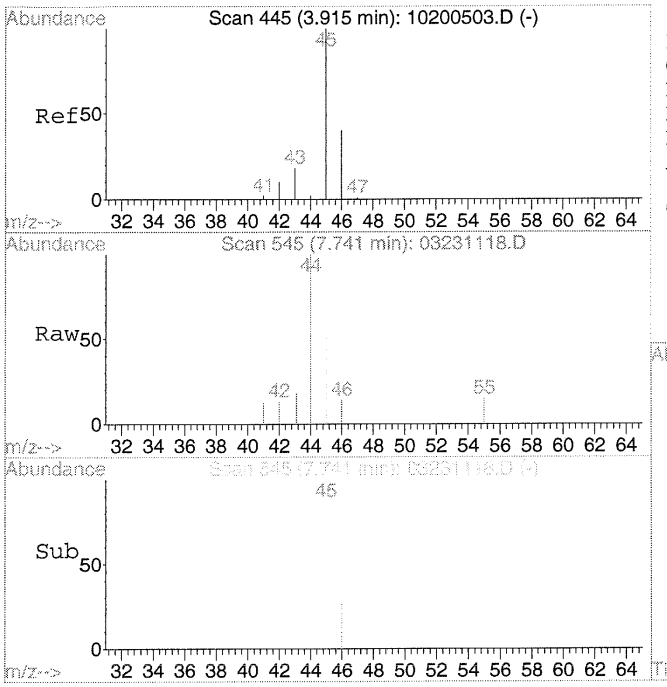


#7
1,3-Butadiene
Concen: 1.82 ppbv
RT: 6.44 min Scan# 297
Delta R.T. 0.00 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion: 39 Resp: 74574

Ion	Ratio	Lower	Upper
39	100		
54	85.0	79.4	119.0
53	60.3	53.2	79.8

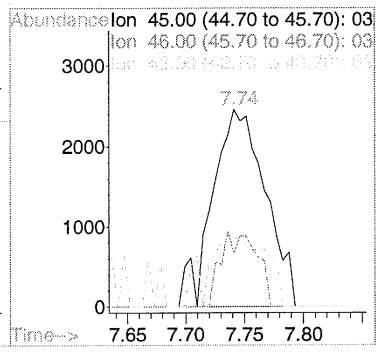


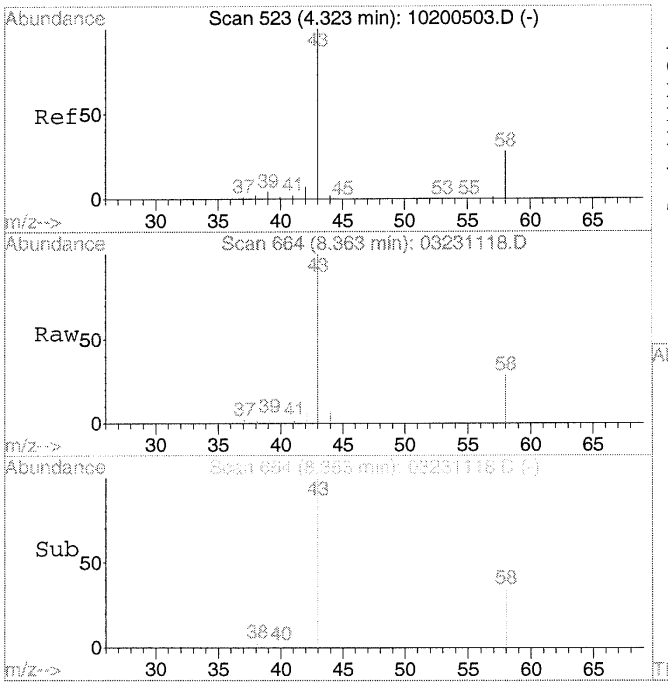


#11
Ethanol
Concen: 0.86 ppbv
RT: 7.74 min Scan# 545
Delta R.T. 0.01 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion: 45 Resp: 7758

Ion	Ratio	Lower	Upper
45	100		
46	25.8	30.2	45.4#
43	34.5	15.8	23.6#

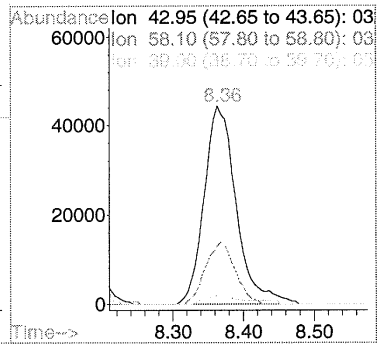


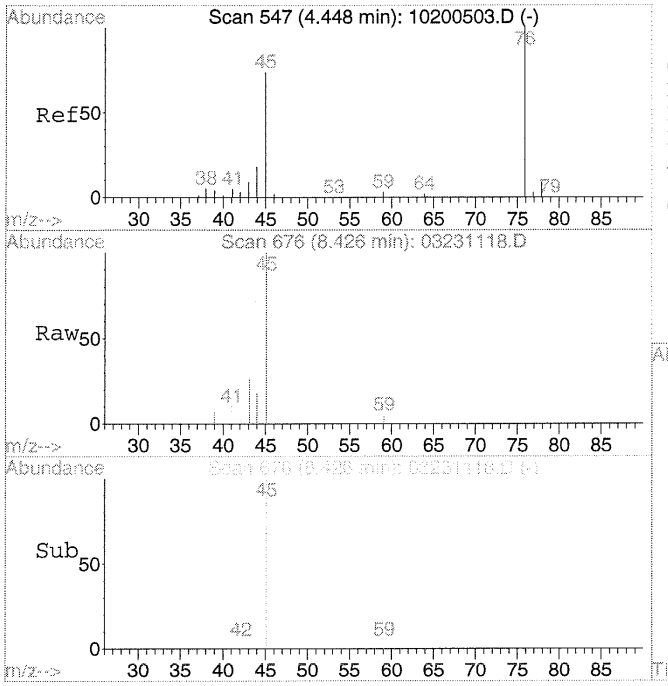


#14
Acetone
Concen: 2.09 ppbv
RT: 8.36 min Scan# 664
Delta R.T. 0.01 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion: 43 Resp: 139423

Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.0	33.0
39	4.4	6.5	9.7#

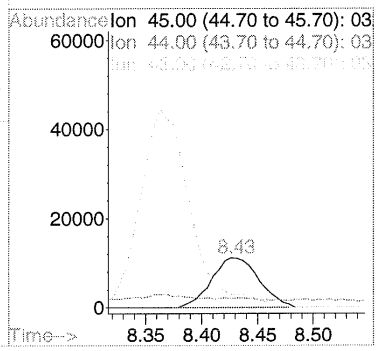


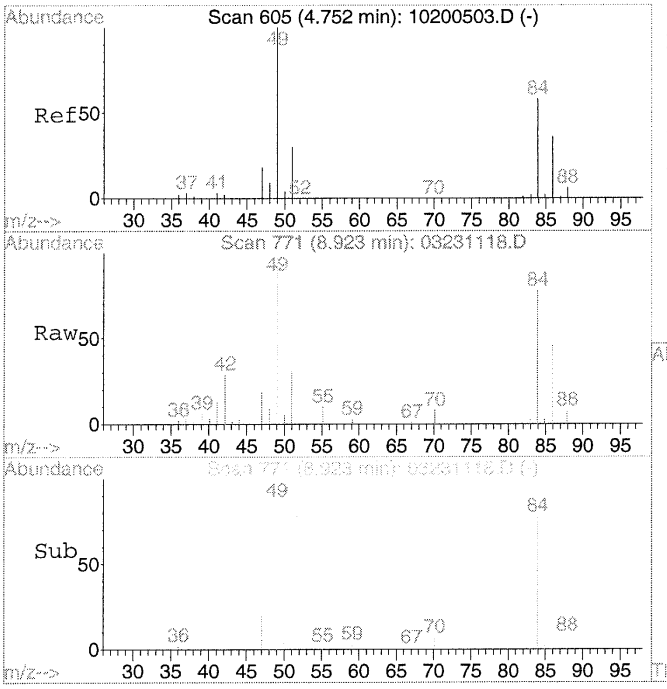


#16
2-Propanol
Concen: 0.69 ppbv
RT: 8.43 min Scan# 676
Delta R.T. 0.03 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion: 45 Resp: 33117

Ion	Ratio	Lower	Upper
45	100		
44	0.0	5.2	7.8#
43	0.0	101.1	151.7#

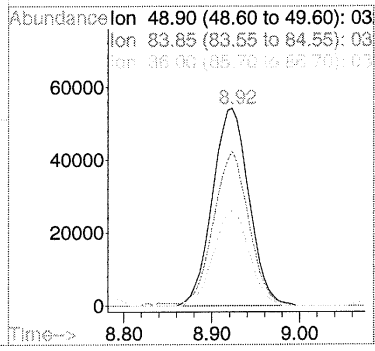


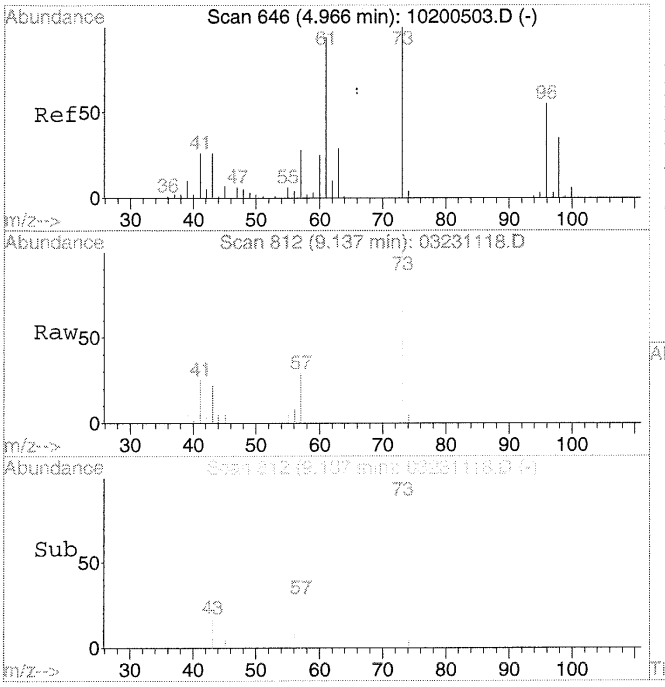


#17
Methylene chloride
Concen: 2.87 ppbv
RT: 8.92 min Scan# 771
Delta R.T. -0.00 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion: 49 Resp: 156177

Ion	Ratio	Lower	Upper
49	100		
84	75.5	65.4	98.2
86	47.1	42.3	63.5

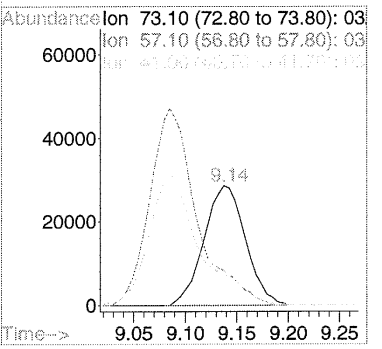


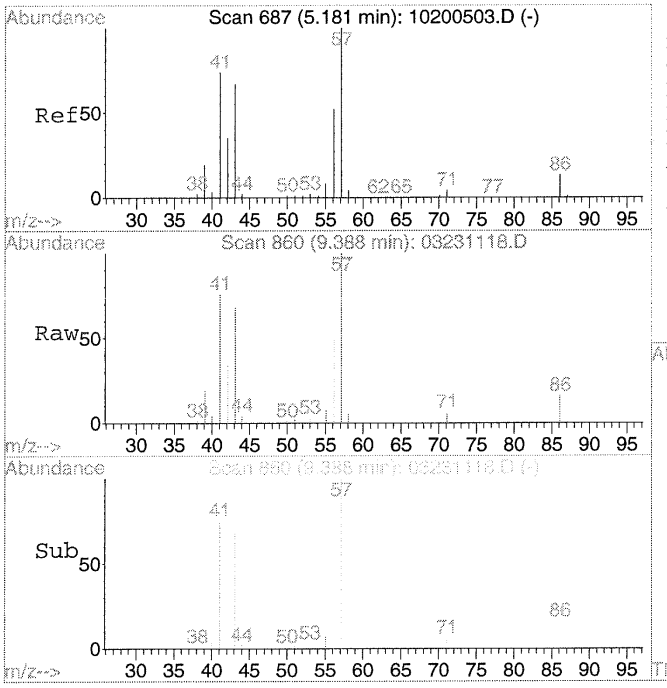


#18
tert-Butyl Methyl Ether
Concen: 0.65 ppbv
RT: 9.14 min Scan# 812
Delta R.T. 0.01 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion: 73 Resp: 80167

Ion	Ratio	Lower	Upper
73	100		
57	0.0	18.5	27.7#
41	0.0	17.3	25.9#

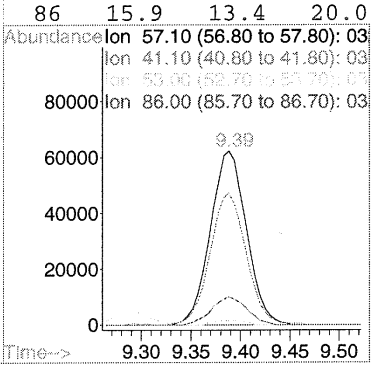


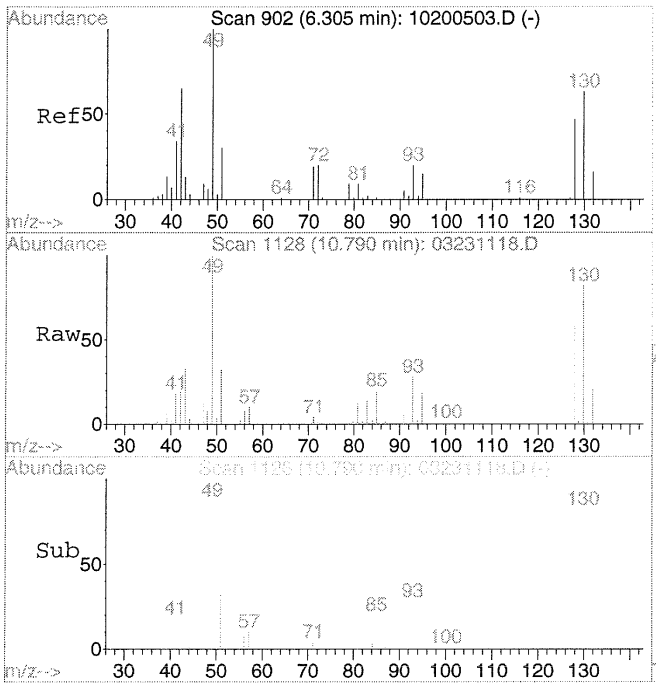


#20
n-Hexane
Concen: 2.00 ppbv
RT: 9.39 min Scan# 860
Delta R.T. -0.01 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion: 57 Resp: 157670

Ion	Ratio	Lower	Upper
57	100		
41	76.4	57.2	85.8
53	2.2	1.8	2.8
86	15.9	13.4	20.0

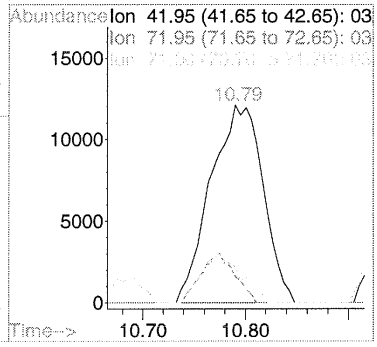


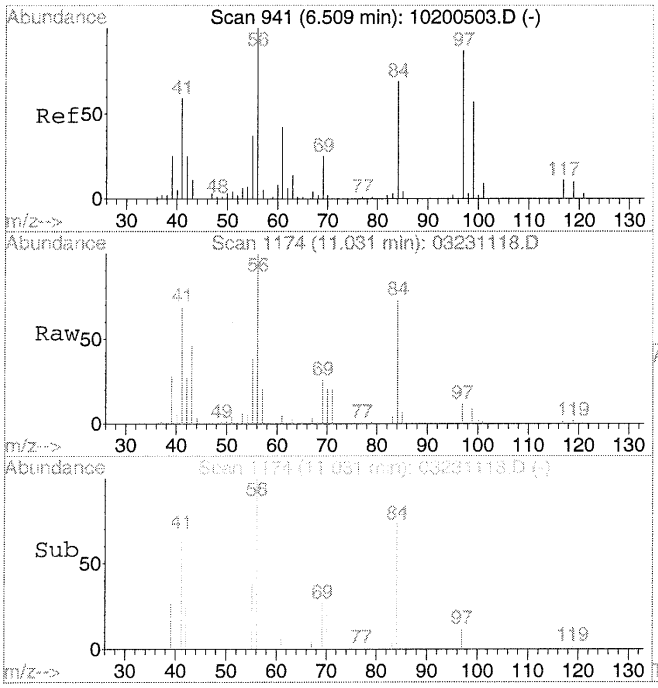


#26
Tetrahydrofuran
Concen: 0.95 ppbv
RT: 10.79 min Scan# 1128
Delta R.T. 0.04 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion: 42 Resp: 42777

Ion	Ratio	Lower	Upper
42	100		
72	16.3	35.0	52.6#
71	18.9	31.9	47.9#

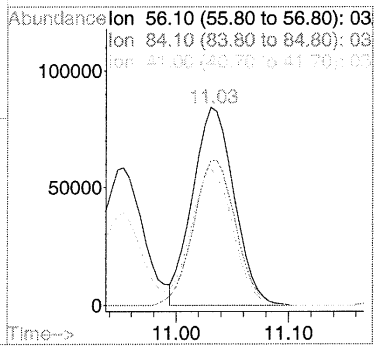


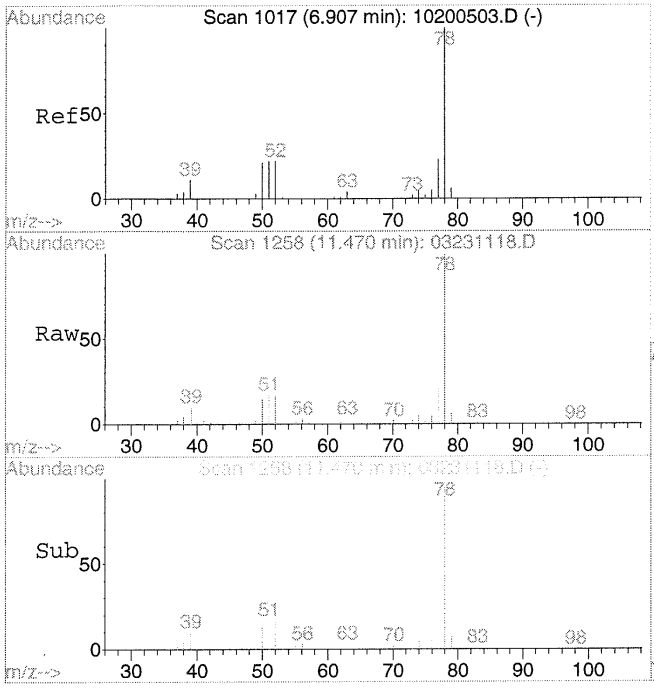


#29
Cyclohexane
Concen: 2.71 ppbv
RT: 11.03 min Scan# 1174
Delta R.T. -0.01 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion: 56 Resp: 216341

Ion	Ratio	Lower	Upper
56	100		
84	74.3	72.4	108.6
41	69.9	43.8	65.8#

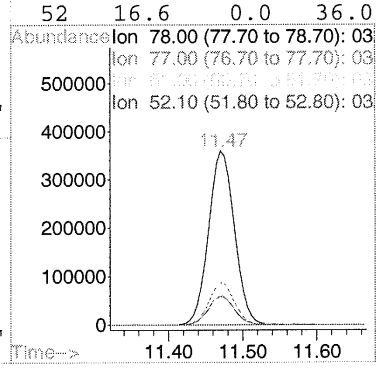


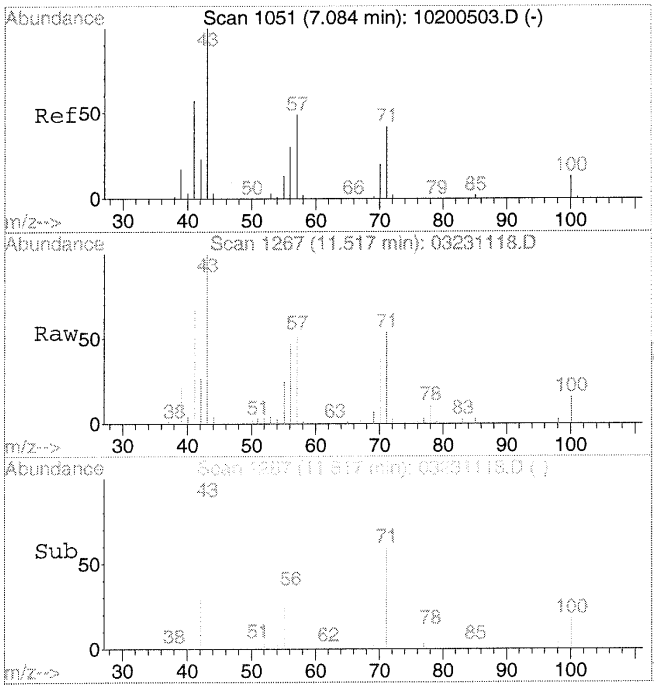


#31
Benzene
Concen: 6.57 ppbv
RT: 11.47 min Scan# 1258
Delta R.T. 0.00 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion: 78 Resp: 877856

Ion	Ratio	Lower	Upper
78	100		
77	23.9	3.7	43.7
51	17.7	0.0	36.1
52	16.6	0.0	36.0

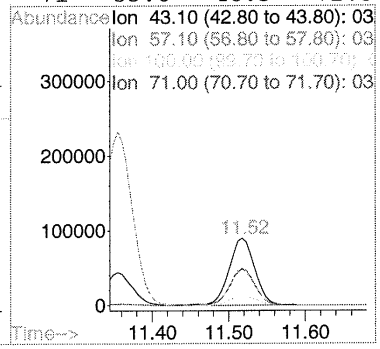


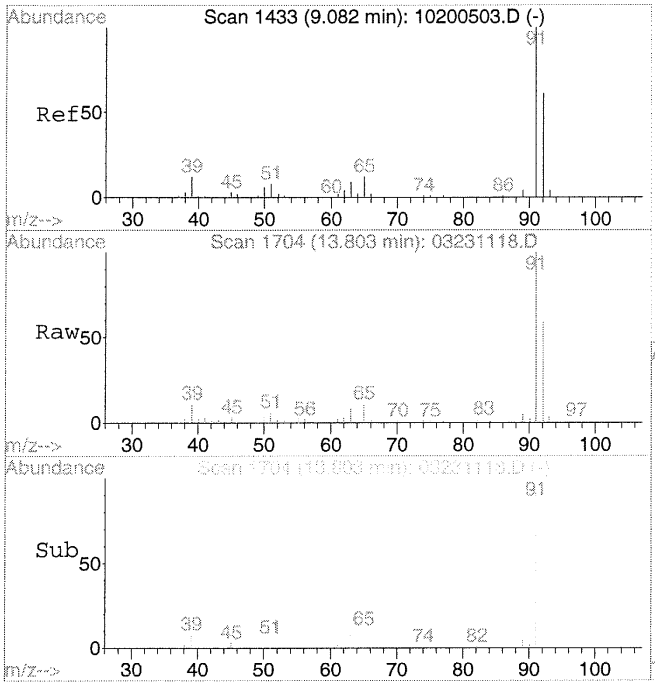


#34
Heptane
Concen: 2.12 ppbv
RT: 11.52 min Scan# 1267
Delta R.T. -0.01 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion: 43 Resp: 210900

Ion	Ratio	Lower	Upper
43	100		
57	52.5	42.2	63.4
100	15.3	17.3	25.9#
71	53.6	48.3	72.5

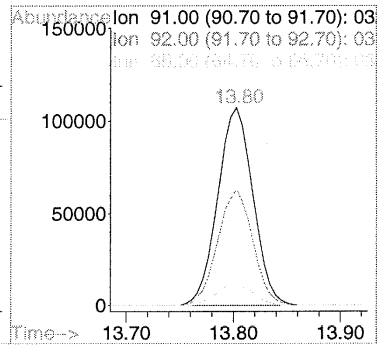


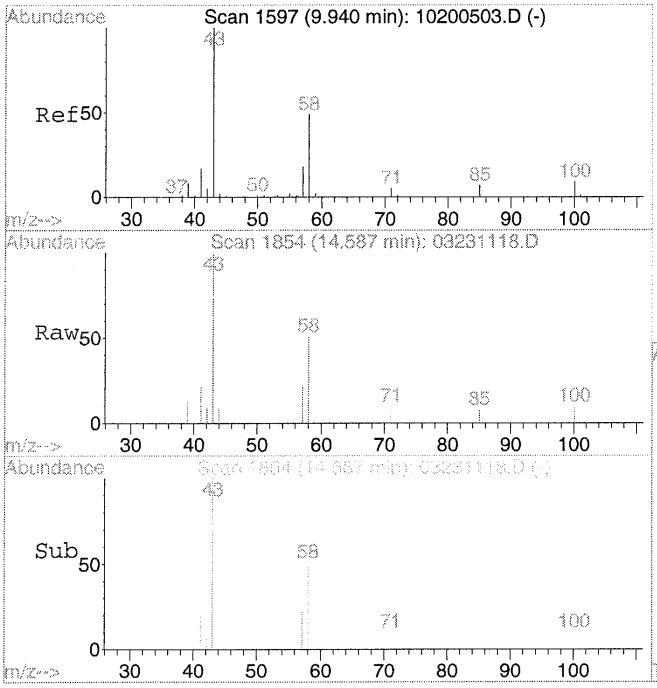


#41
Toluene
Concen: 1.58 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion: 91 Resp: 245093

Ion	Ratio	Lower	Upper
91	100		
92	58.2	40.5	80.5
65	11.3	0.0	31.2

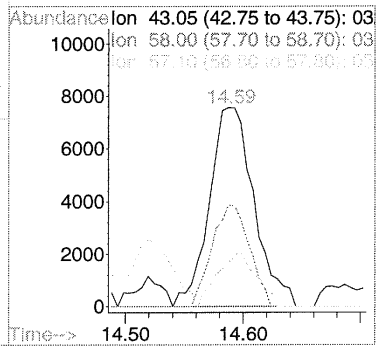


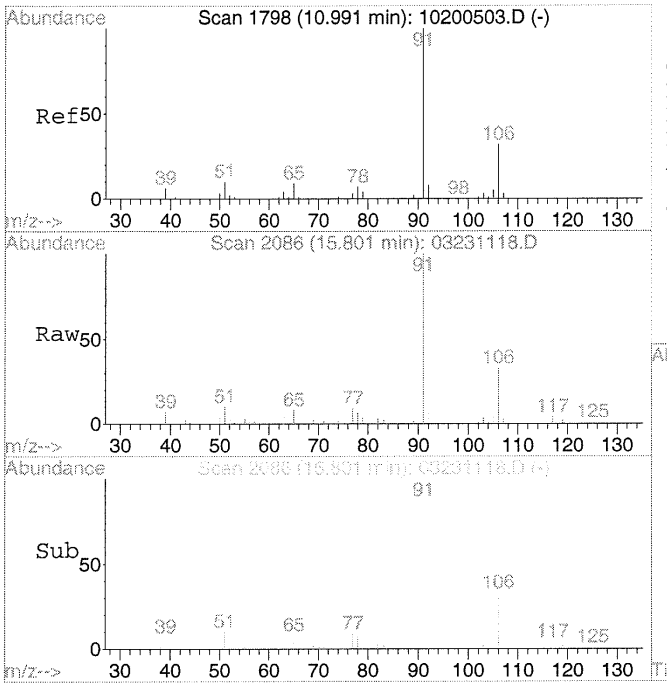


#45
2-Hexanone
Concen: 0.60 ppbv
RT: 14.59 min Scan# 1854
Delta R.T. 0.00 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion: 43 Resp: 19956

Ion	Ratio	Lower	Upper
43	100		
58	43.0	33.8	73.8
57	23.5	0.0	38.6

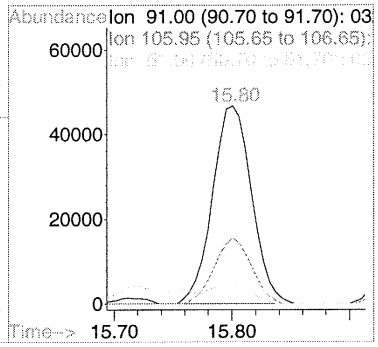


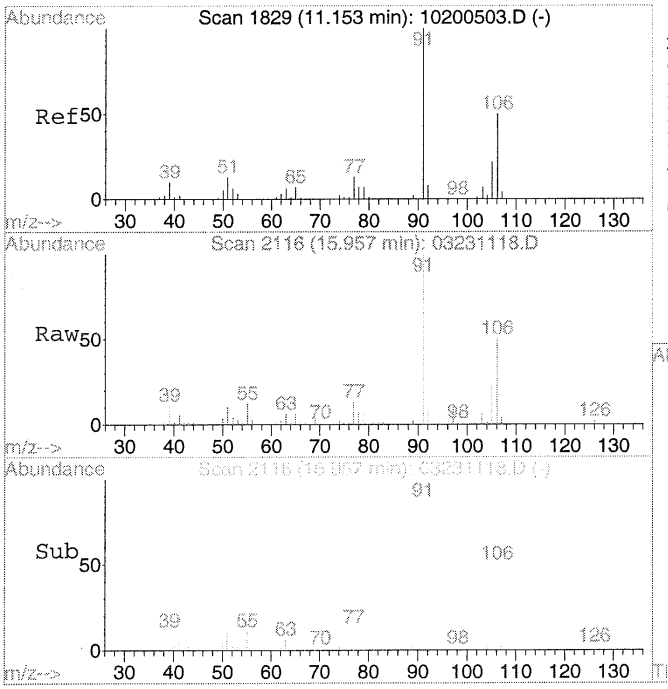


#50
Ethylbenzene
Concen: 0.65 ppbv
RT: 15.80 min Scan# 2086
Delta R.T. -0.00 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion: 91 Resp: 107177

Ion	Ratio	Lower	Upper
91	100		
106	31.8	14.9	54.9
51	10.0	0.0	33.1

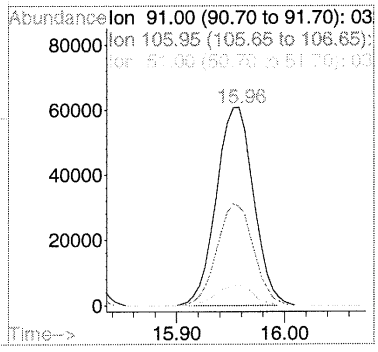


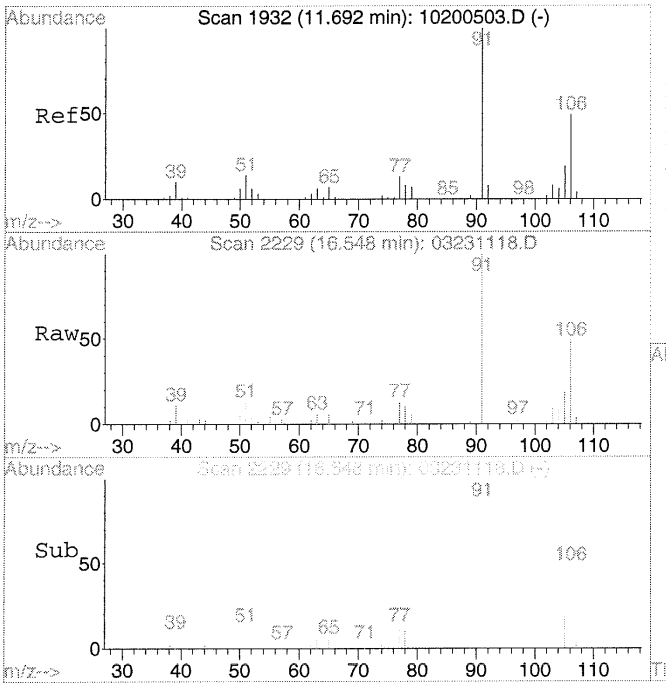


#51
m,p-Xylene
Concen: 1.13 ppbv
RT: 15.96 min Scan# 2116
Delta R.T. -0.00 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion: 91 Resp: 145229

Ion	Ratio	Lower	Upper
91	100		
106	50.2	35.6	75.6
51	10.2	0.0	29.6

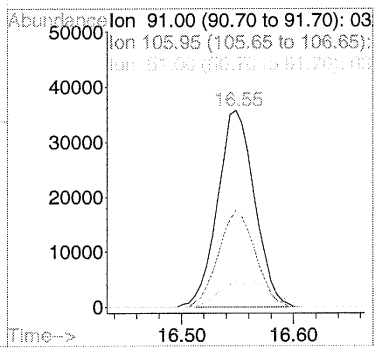


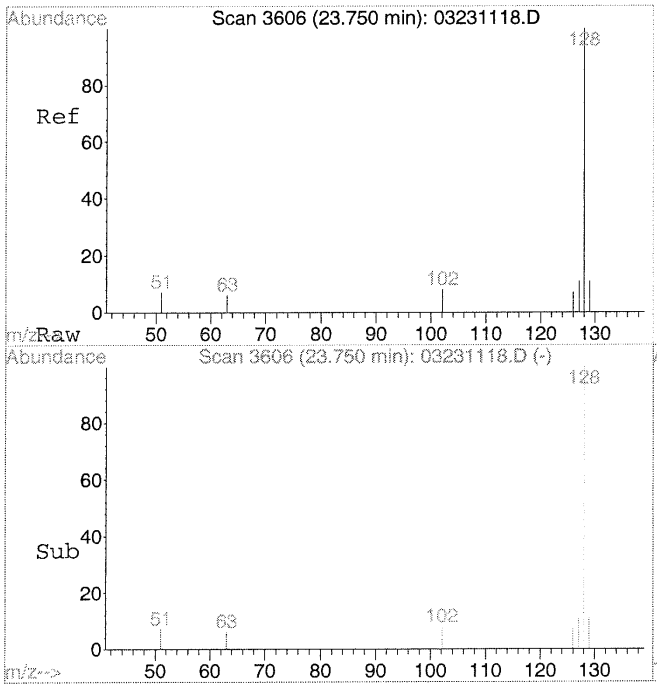


#52
o-Xylene
Concen: 0.66 ppbv
RT: 16.55 min Scan# 2229
Delta R.T. -0.00 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion: 91 Resp: 81951

Ion	Ratio	Lower	Upper
91	100		
106	48.6	41.0	61.6
51	18.1	19.7	29.5#

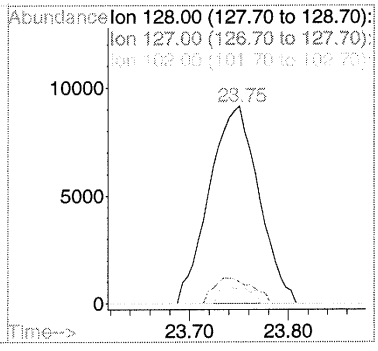




#66
Naphthalene
Concen: 0.70 ppbv
RT: 23.75 min Scan# 3606
Delta R.T. -0.00 min
Lab File: 03231118.D
Acq: 24 Mar 2011 12:53 am

Tgt Ion:128 Resp: 31871

Ion	Ratio	Lower	Upper
128	100		
127	10.2	9.8	14.6
102	5.2	6.3	9.5#



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231119.D Vial: 24
Acq On : 24 Mar 2011 1:38 am Operator: Michael Truchan
Sample : 1103120-011A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: CLME.P
Quant Time: Mar 24 3:04 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

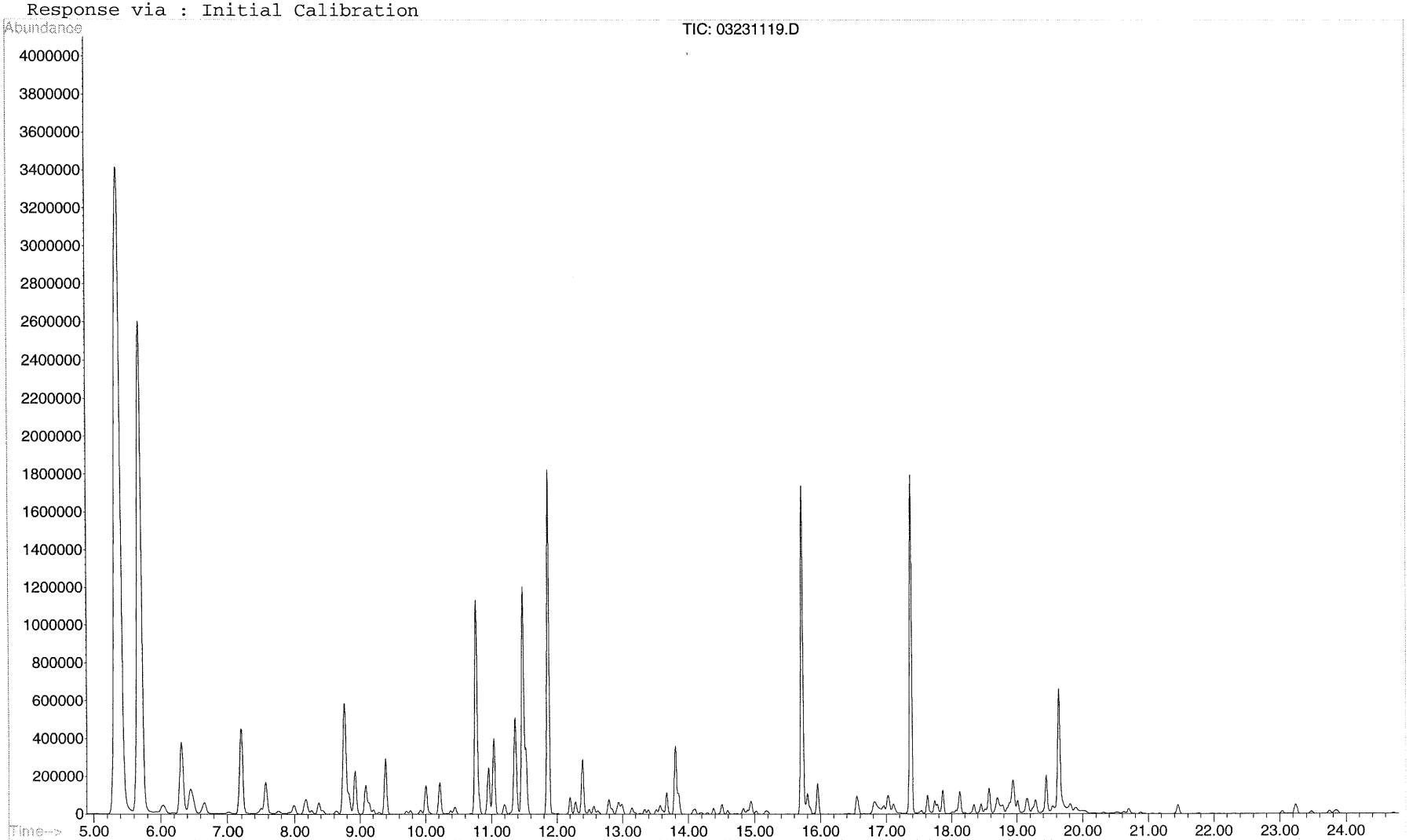
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	504145	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	1864221	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1264417	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	828627	13.08	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 104.64%				
Target Compounds							Qvalue
2) Propylene	5.68	41	2851714	75.46	ppbv		87
7) 1,3-Butadiene	6.45	39	147364	3.87	ppbv	#	83
11) Ethanol	7.75	45	8284	0.99	ppbv	#	69
14) Acetone	8.37	43	126968	2.04	ppbv	#	94
16) 2-Propanol	8.43	45	35830	0.80	ppbv	#	1
17) Methylene chloride	8.93	49	164874	3.25	ppbv		93
18) tert-Butyl Methyl Ether	9.14	73	77608	0.67	ppbv	#	53
20) n-Hexane	9.39	57	188937	2.57	ppbv		95
24) 2-Butanone	10.43	43	33458	0.52	ppbv	#	91
26) Tetrahydrofuran	10.80	42	40339	0.96	ppbv	#	62
29) Cyclohexane	11.03	56	186111	2.50	ppbv	#	81
31) Benzene	11.47	78	1298799	10.42	ppbv		99
34) Heptane	11.52	43	148263	1.65	ppbv	#	93
41) Toluene	13.80	91	338697	2.41	ppbv		98
45) 2-Hexanone	14.59	43	19704	0.66	ppbv		89
50) Ethylbenzene	15.80	91	106222	0.72	ppbv		94
51) m,p-Xylene	15.95	91	130503	1.15	ppbv		93
52) o-Xylene	16.55	91	73592	0.66	ppbv	#	92
66) Naphthalene	23.74	128	34449	0.85	ppbv	#	95

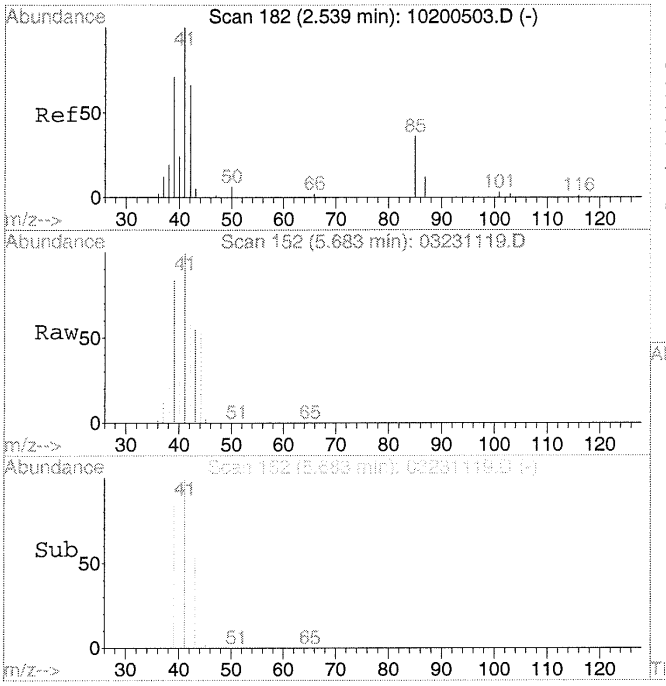
(#) = qualifier out of range (m) = manual integration
03231119.D 031611V1.M Wed Apr 13 18:22:12 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\032311\03231119.D Vial: 24
Acq On : 24 Mar 2011 1:38 am Operator: Michael Truchan
Sample : 1103120-011A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: CLME.P
Quant Time: Mar 24 3:04 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

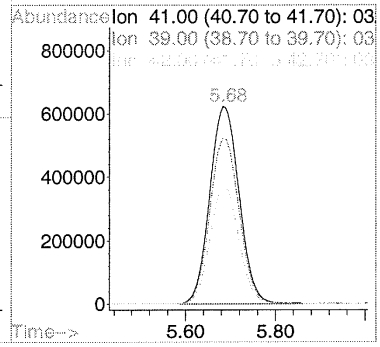


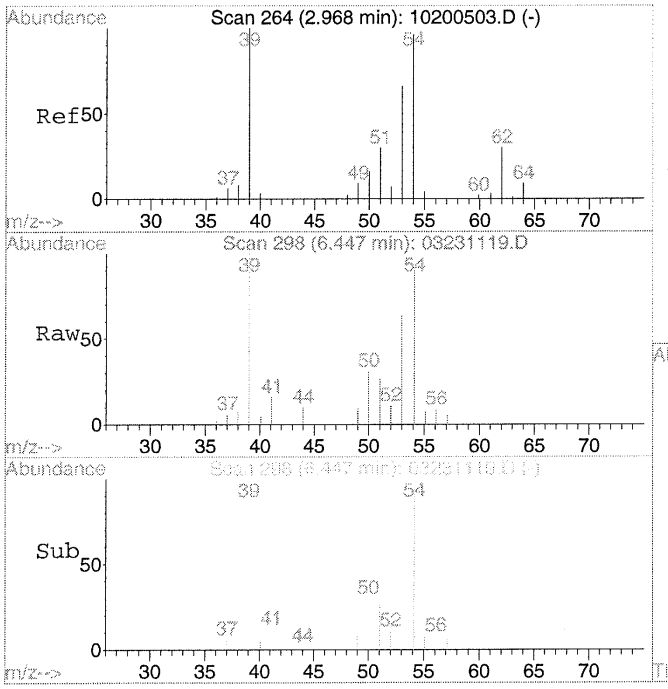


#2
Propylene
Concen: 75.46 ppbv
RT: 5.68 min Scan# 152
Delta R.T. 0.00 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 41 Resp: 2851714

Ion	Ratio	Lower	Upper
41	100		
39	84.1	57.6	86.4
42	59.1	54.0	81.0

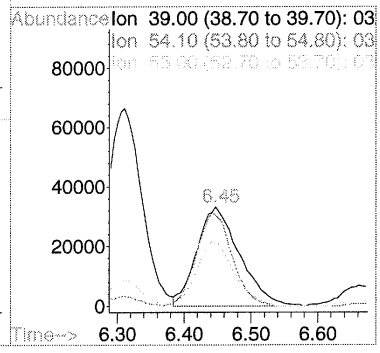


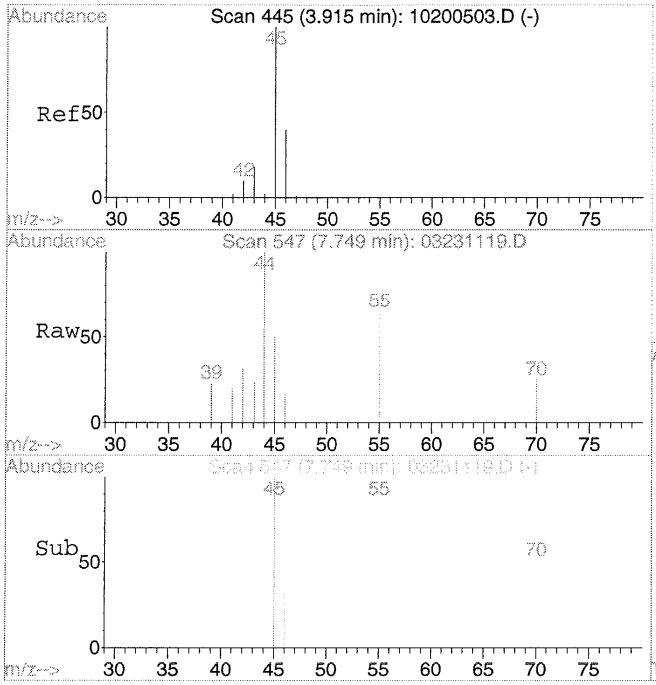


#7
1,3-Butadiene
Concen: 3.87 ppbv
RT: 6.45 min Scan# 298
Delta R.T. 0.01 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 39 Resp: 147364

Ion	Ratio	Lower	Upper
39	100		
54	79.0	79.4	119.0#
53	57.6	53.2	79.8

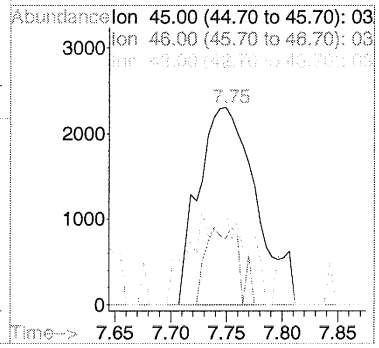


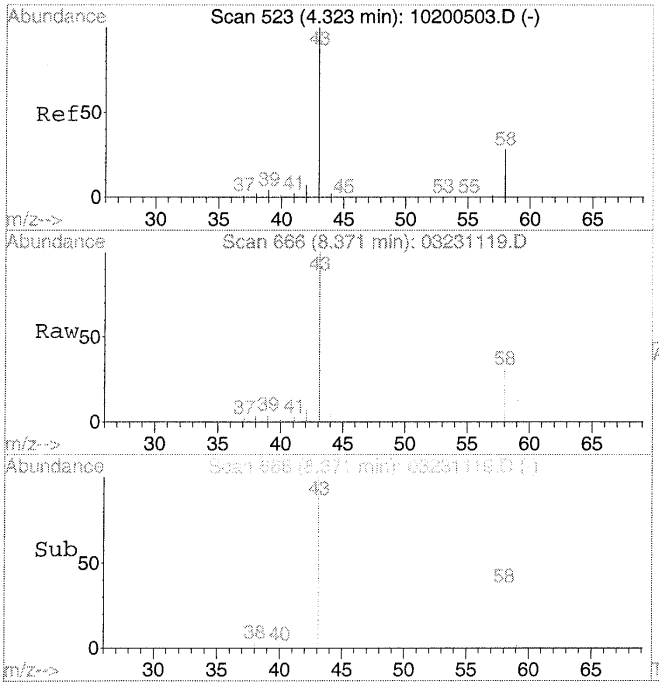


#11
Ethanol
Concen: 0.99 ppbv
RT: 7.75 min Scan# 547
Delta R.T. 0.02 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 45 Resp: 8284

Ion	Ratio	Lower	Upper
45	100		
46	22.9	30.2	45.4#
43	0.0	15.8	23.6#

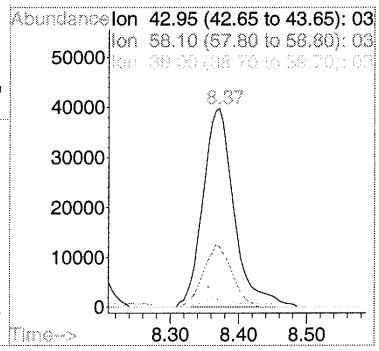


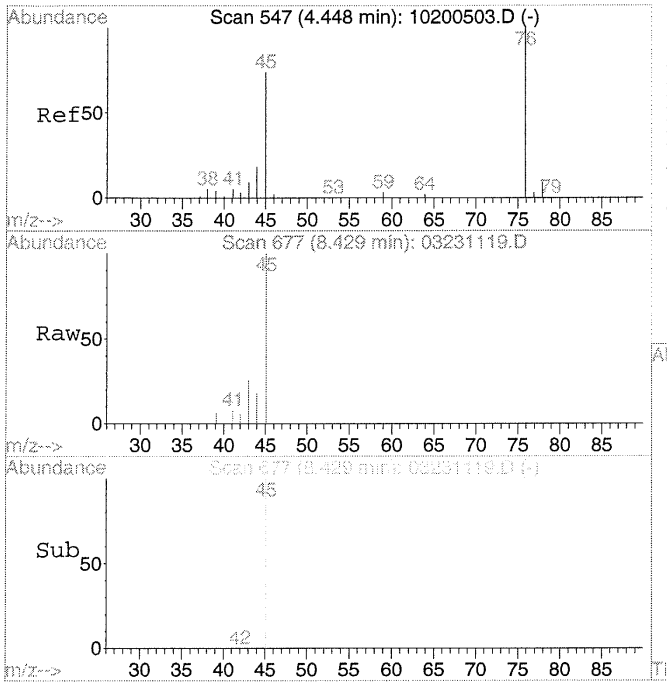


#14
Acetone
Concen: 2.04 ppbv
RT: 8.37 min Scan# 666
Delta R.T. 0.01 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 43 Resp: 126968

Ion	Ratio	Lower	Upper
43	100		
58	28.7	22.0	33.0
39	2.0	6.5	9.7#

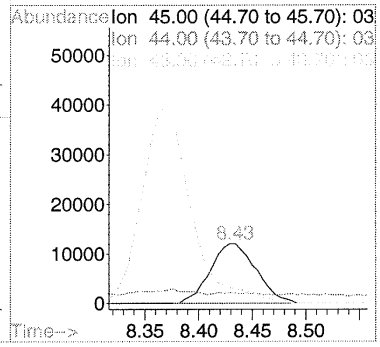


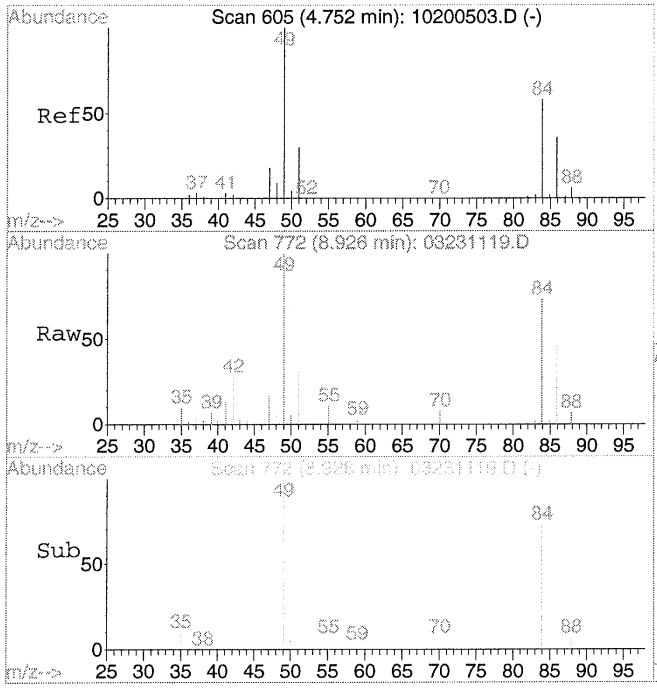


#16
2-Propanol
Concen: 0.80 ppbv
RT: 8.43 min Scan# 677
Delta R.T. 0.03 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 45 Resp: 35830

Ion	Ratio	Lower	Upper
45	100		
44	3.2	5.2	7.8#
43	0.0	101.1	151.7#

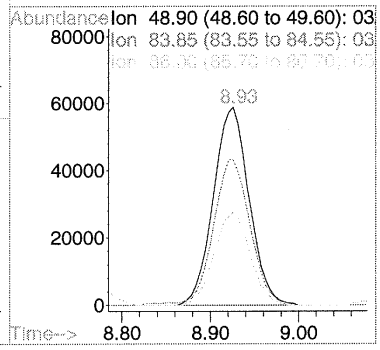


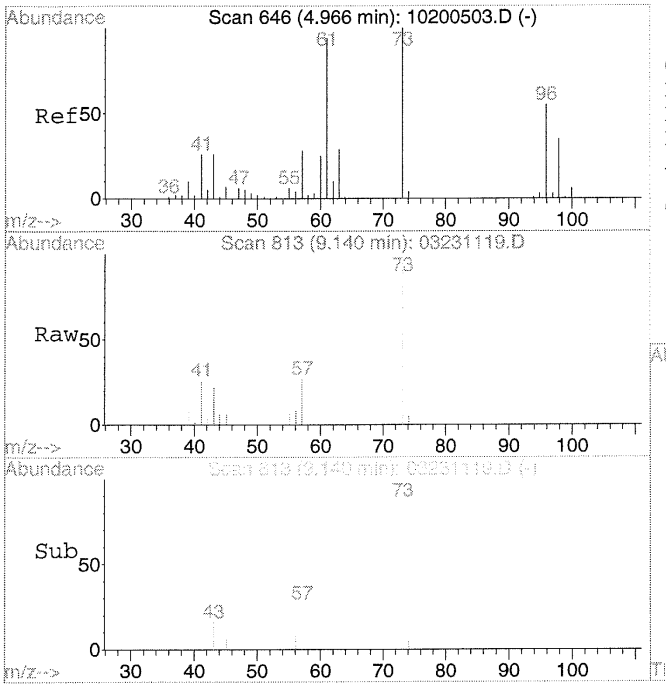


#17
Methylene chloride
Concen: 3.25 ppbv
RT: 8.93 min Scan# 772
Delta R.T. 0.00 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 49 Resp: 164874

Ion	Ratio	Lower	Upper
49	100		
84	75.7	65.4	98.2
86	47.1	42.3	63.5

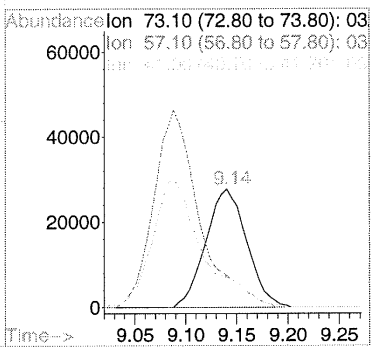


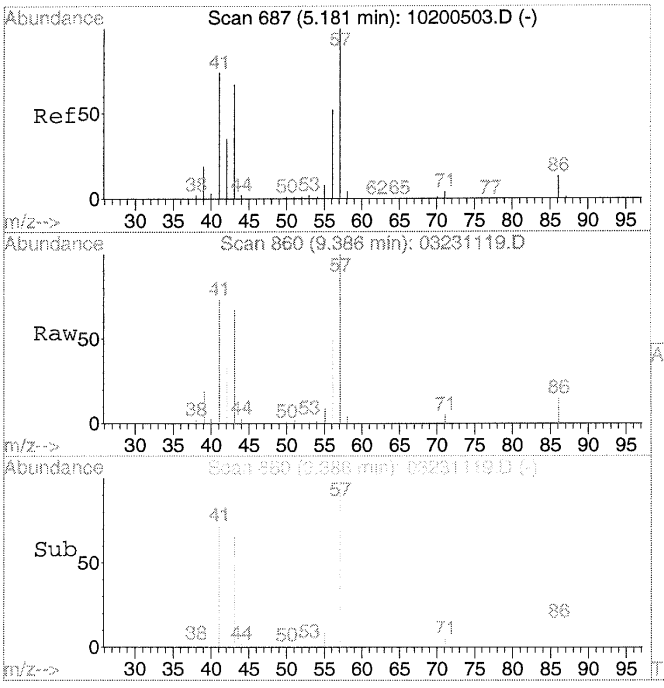


#18
tert-Butyl Methyl Ether
Concen: 0.67 ppbv
RT: 9.14 min Scan# 813
Delta R.T. 0.01 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 73 Resp: 77608

Ion	Ratio	Lower	Upper
73	100		
57	0.0	18.5	27.7#
41	0.0	17.3	25.9#

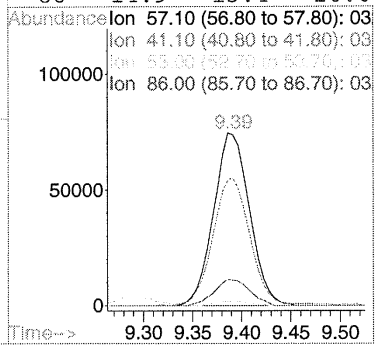


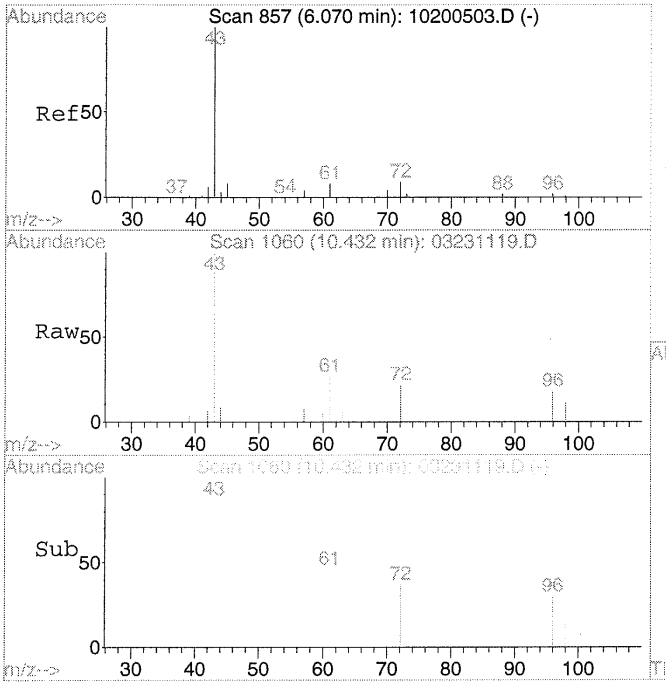


#20
n-Hexane
Concen: 2.57 ppbv
RT: 9.39 min Scan# 860
Delta R.T. -0.01 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 57 Resp: 188937

Ion	Ratio	Lower	Upper
57	100		
41	76.1	57.2	85.8
53	2.5	1.8	2.8
86	14.9	13.4	20.0

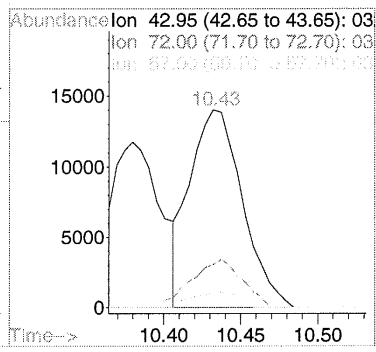


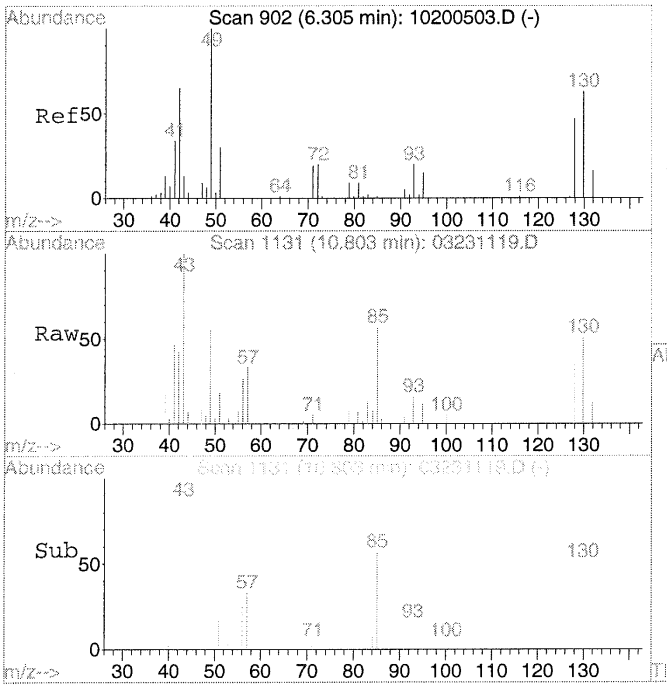


#24
2-Butanone
Concen: 0.52 ppbv
RT: 10.43 min Scan# 1060
Delta R.T. 0.01 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 43 Resp: 33458

Ion	Ratio	Lower	Upper
43	100		
72	23.4	23.4	35.2#
57	7.0	6.9	10.3

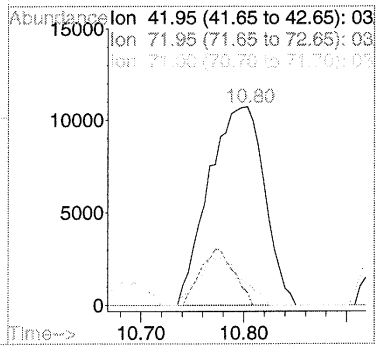


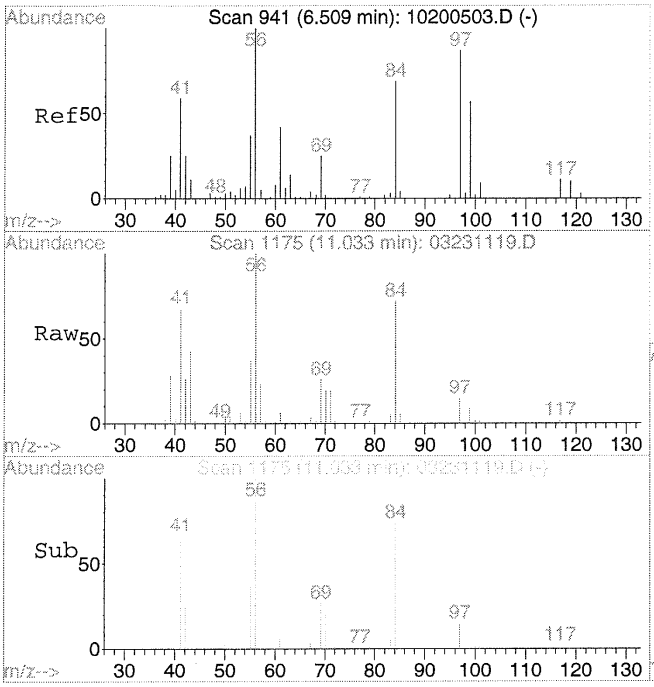


#26
Tetrahydrofuran
Concen: 0.96 ppbv
RT: 10.80 min Scan# 1131
Delta R.T. 0.05 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 42 Resp: 40339

Ion	Ratio	Lower	Upper
42	100		
72	17.3	35.0	52.6#
71	18.8	31.9	47.9#

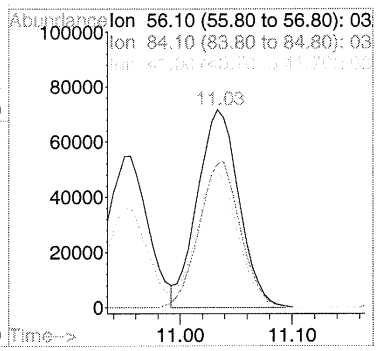


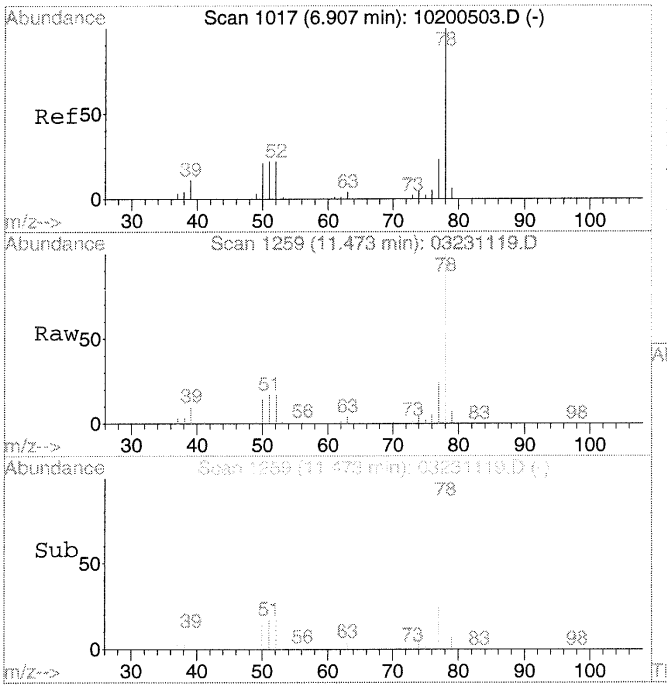


#29
Cyclohexane
Concen: 2.50 ppbv
RT: 11.03 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 56 Resp: 186111

Ion	Ratio	Lower	Upper
56	100		
84	72.9	72.4	108.6
41	68.3	43.8	65.8#

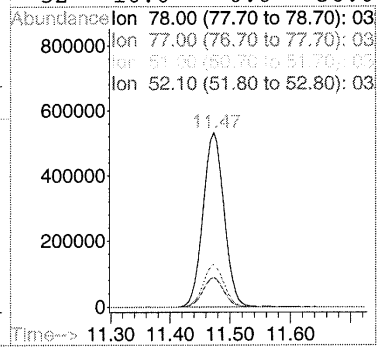


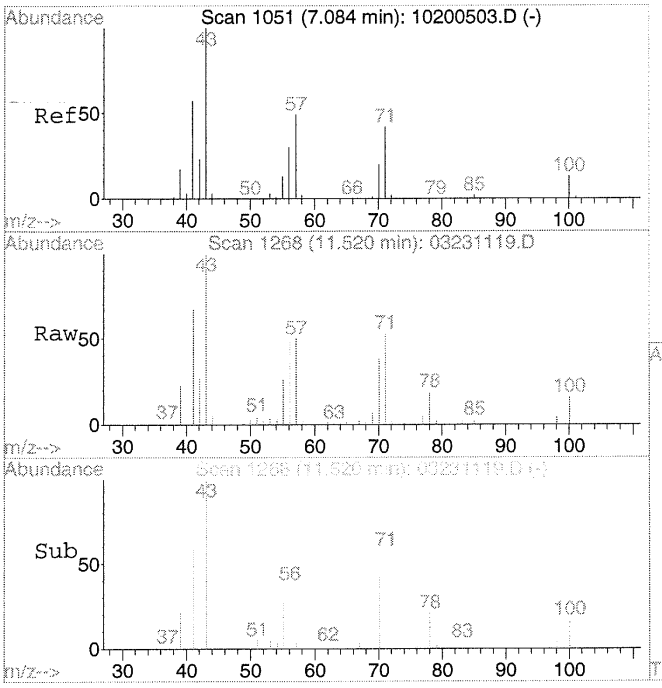


#31
Benzene
Concen: 10.42 ppbv
RT: 11.47 min Scan# 1259
Delta R.T. 0.00 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 78 Resp: 1298799

Ion	Ratio	Lower	Upper
78	100		
77	23.9	3.7	43.7
51	17.3	0.0	36.1
52	16.6	0.0	36.0

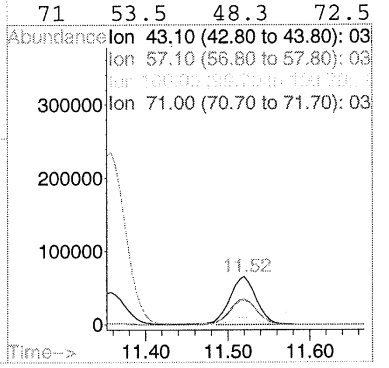


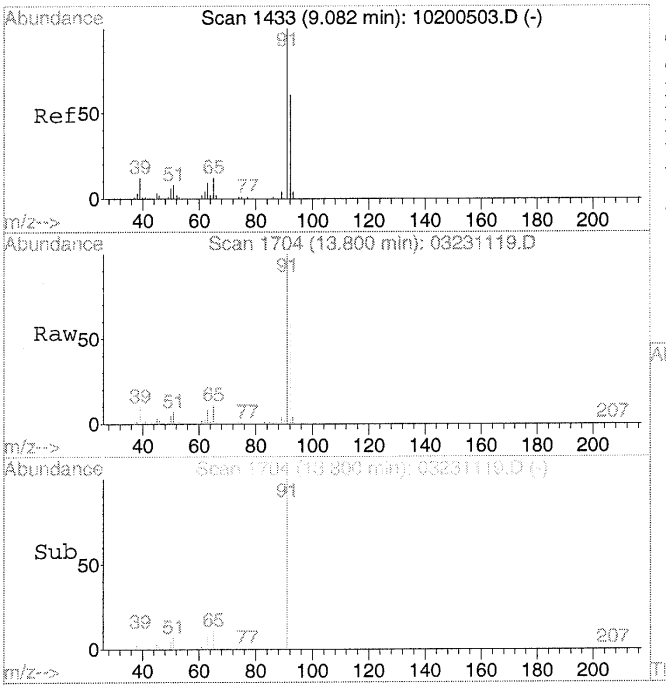


#34
Heptane
Concen: 1.65 ppbv
RT: 11.52 min Scan# 1268
Delta R.T. -0.00 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 43 Resp: 148263

Ion	Ratio	Lower	Upper
43	100		
57	54.6	42.2	63.4
100	15.3	17.3	25.9#
71	53.5	48.3	72.5

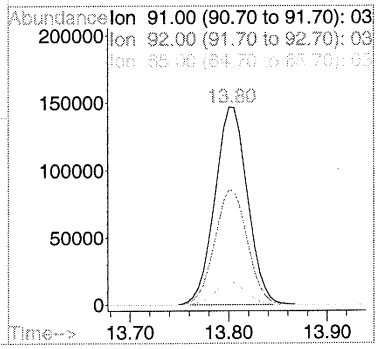


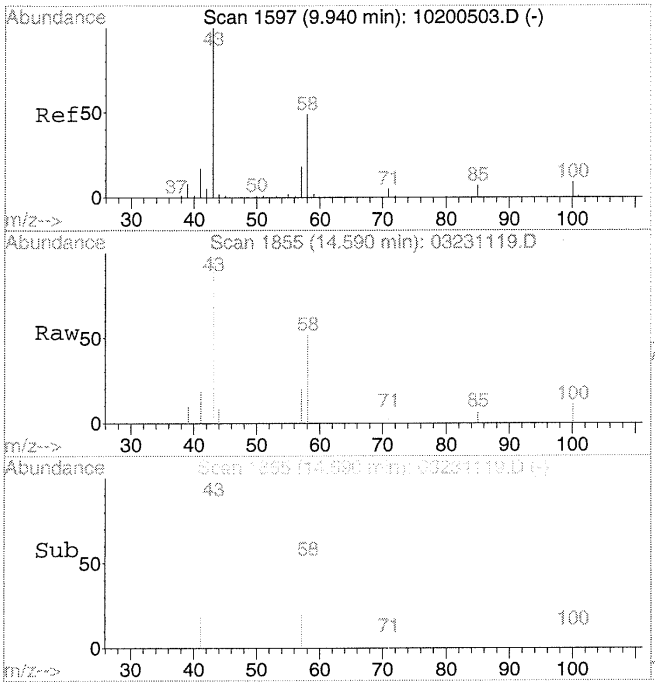


#41
Toluene
Concen: 2.41 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 91 Resp: 338697

Ion	Ratio	Lower	Upper
91	100		
92	58.6	40.5	80.5
65	11.1	0.0	31.2

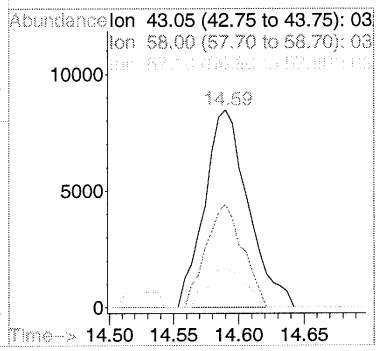


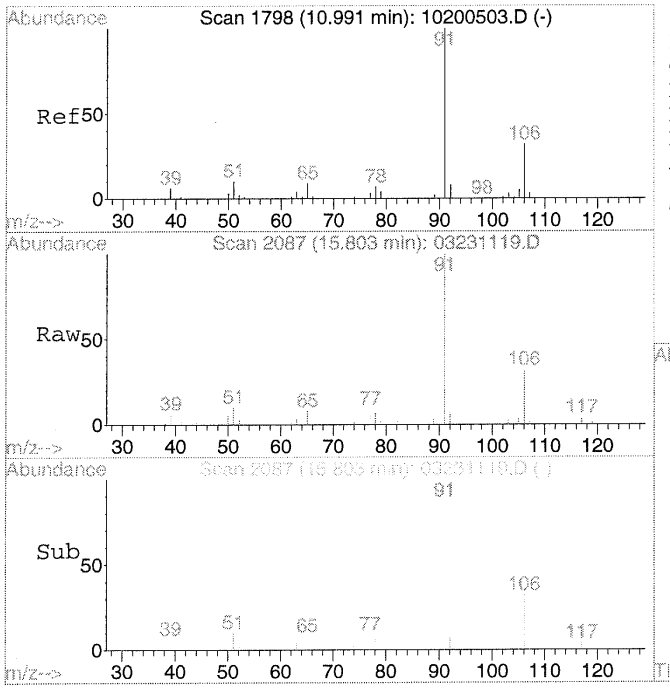


#45
2-Hexanone
Concen: 0.66 ppbv
RT: 14.59 min Scan# 1855
Delta R.T. 0.01 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 43 Resp: 19704

Ion	Ratio	Lower	Upper
43	100		
58	44.3	33.8	73.8
57	17.5	0.0	38.6

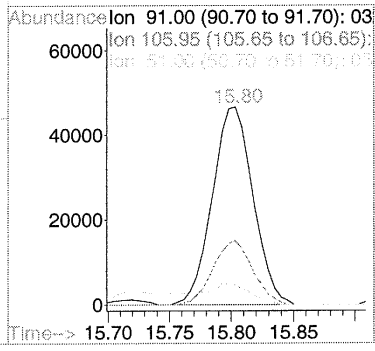


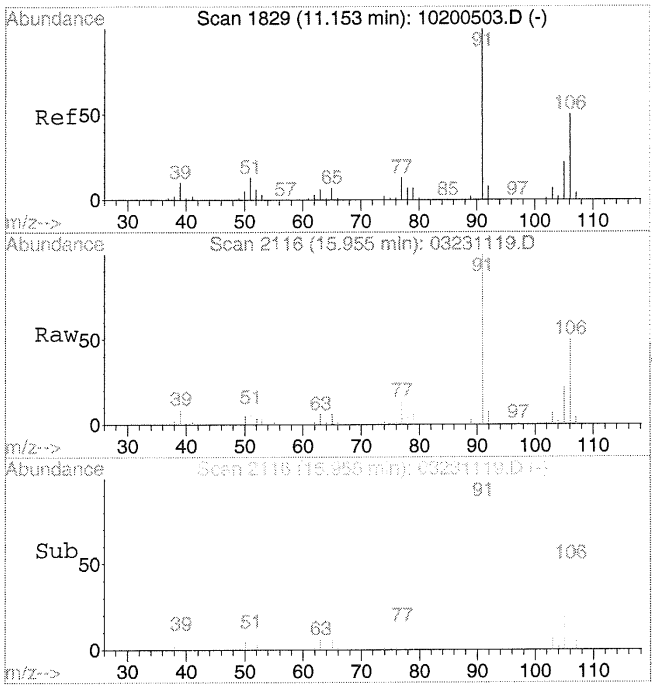


#50
Ethylbenzene
Concen: 0.72 ppbv
RT: 15.80 min Scan# 2087
Delta R.T. 0.00 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 91 Resp: 106222

Ion	Ratio	Lower	Upper
91	100		
106	31.8	14.9	54.9
51	10.8	0.0	33.1

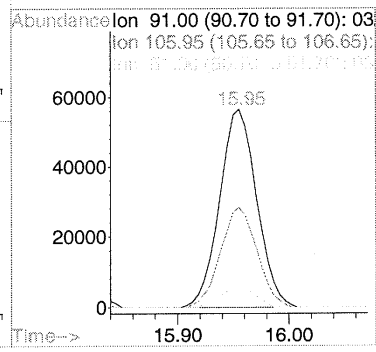


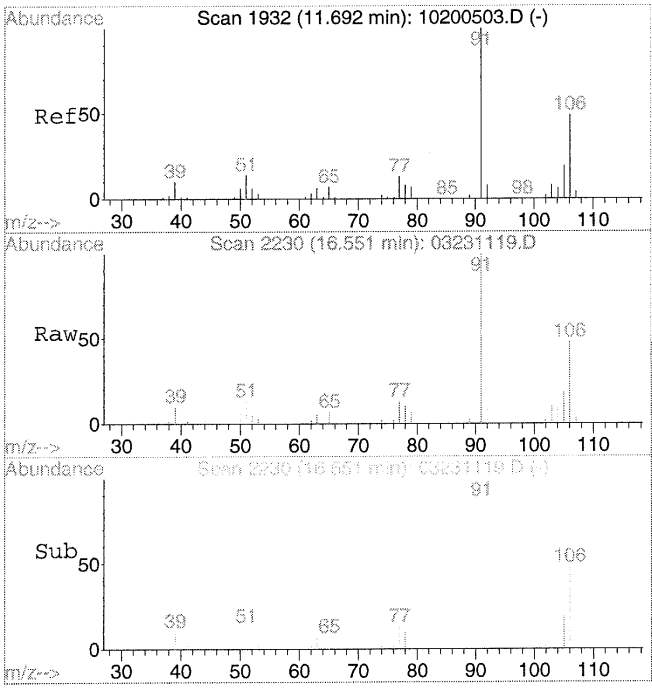


#51
m,p-Xylene
Concen: 1.15 ppbv
RT: 15.95 min Scan# 2116
Delta R.T. -0.00 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 91 Resp: 130503

Ion	Ratio	Lower	Upper
91	100		
106	49.6	35.6	75.6
51	9.8	0.0	29.6

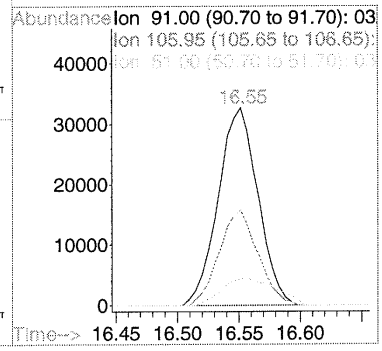


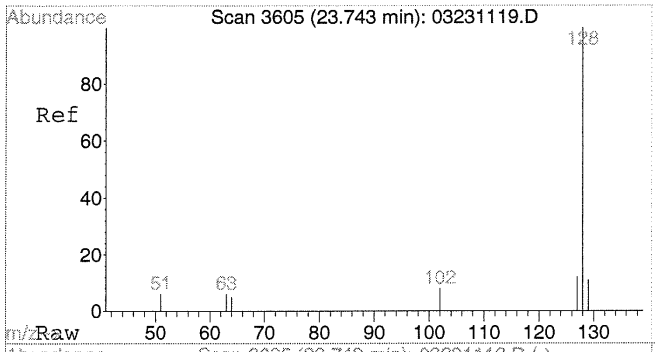


#52
o-Xylene
Concen: 0.66 ppbv
RT: 16.55 min Scan# 2230
Delta R.T. 0.00 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion: 91 Resp: 73592

Ion	Ratio	Lower	Upper
91	100		
106	47.0	41.0	61.6
51	18.4	19.7	29.5#

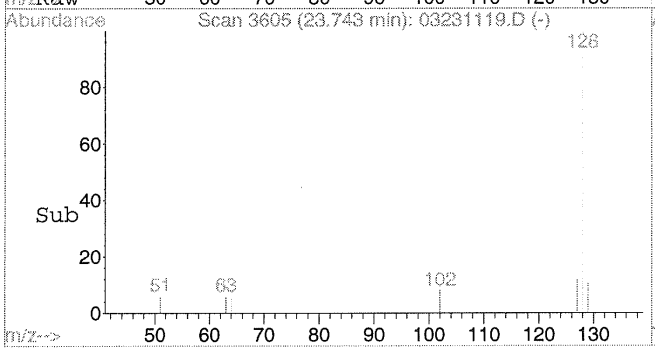


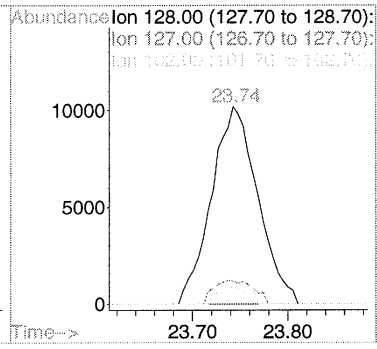


#66
Naphthalene
Concen: 0.85 ppbv
RT: 23.74 min Scan# 3605
Delta R.T. -0.01 min
Lab File: 03231119.D
Acq: 24 Mar 2011 1:38 am

Tgt Ion:128 Resp: 34449

Ion	Ratio	Lower	Upper
128	100		
127	10.2	9.8	14.6
102	5.8	6.3	9.5#





LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\032311\03231119.D Vial: 24
Acq On : 24 Mar 2011 1:38 am Operator: Michael Truchan
Sample : 1103120-011A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

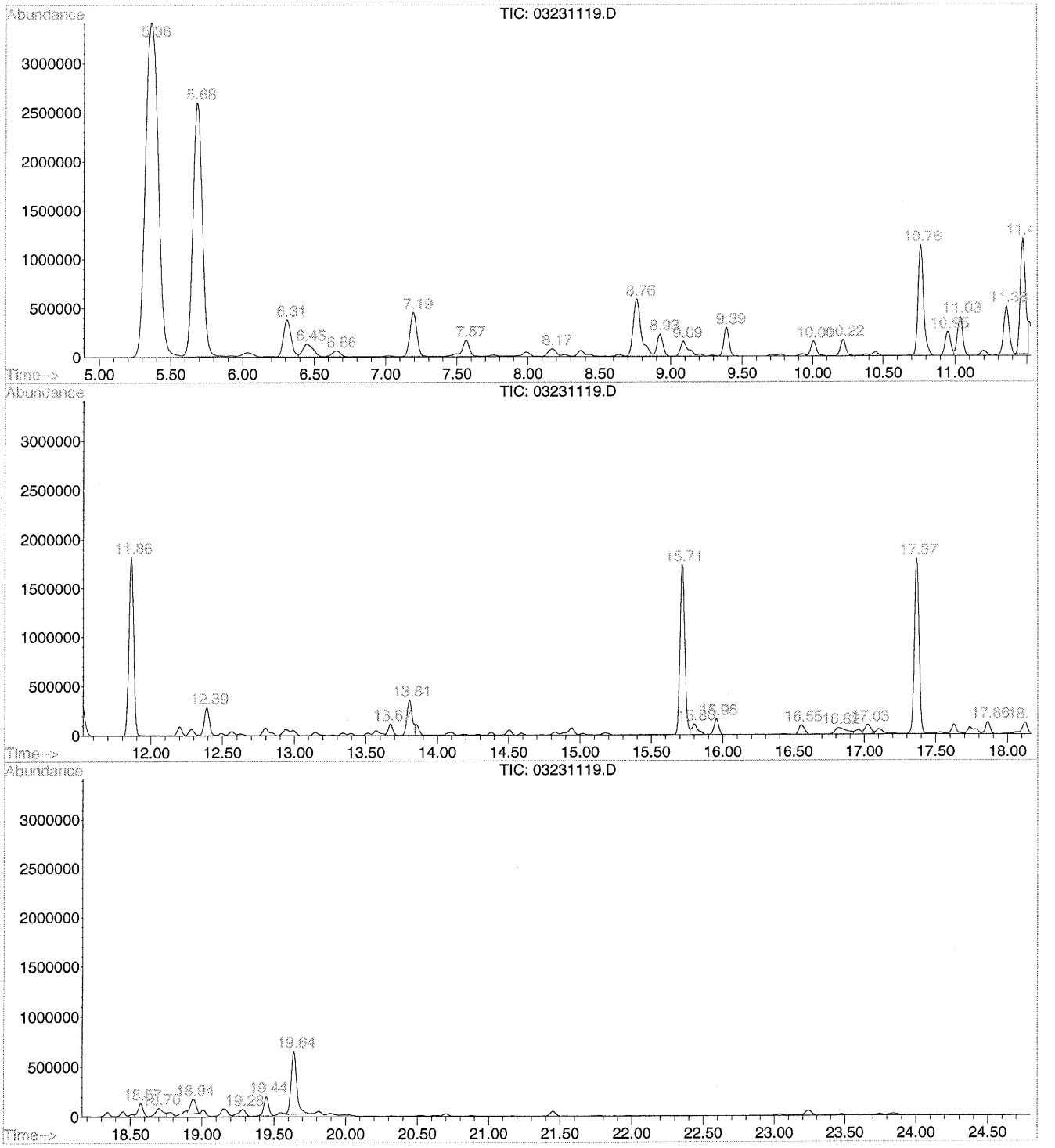
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.364	59	91	132	rBV	3415548	21406183	100.00%	29.800%
2	5.683	132	152	189	rVB	2592251	11795168	55.10%	16.420%
3	6.311	257	272	287	rBV	377120	1423945	6.65%	1.982%
4	6.447	287	298	320	rVV4	129636	656973	3.07%	0.915%
5	6.661	323	339	358	rVB2	59191	244021	1.14%	0.340%
6	7.194	427	441	461	rBV2	448568	1513127	7.07%	2.106%
7	7.566	502	512	531	rVB	165547	525472	2.45%	0.732%
8	8.173	614	628	638	rBV6	78238	296907	1.39%	0.413%
9	8.758	726	740	762	rVV3	582507	2279038	10.65%	3.173%
10	8.926	762	772	788	rVB2	228963	648864	3.03%	0.903%
11	9.088	788	803	820	rBV2	153912	579947	2.71%	0.807%
12	9.391	850	861	873	rBV	292344	741558	3.46%	1.032%
13	10.003	969	978	998	rVB2	151976	419618	1.96%	0.584%
14	10.218	1008	1019	1033	rBV	167465	444390	2.08%	0.619%
15	10.761	1112	1123	1142	rVB	1130377	3027365	14.14%	4.214%
16	10.950	1146	1159	1167	rBV	245319	637822	2.98%	0.888%
17	11.033	1167	1175	1189	rVB2	399745	1020860	4.77%	1.421%
18	11.358	1217	1237	1249	rBV	508345	1427670	6.67%	1.987%
19	11.473	1249	1259	1266	rBV	1187284	3030523	14.16%	4.219%
20	11.860	1322	1333	1353	rBV	1821957	4174783	19.50%	5.812%
21	12.393	1424	1435	1446	rVV	286447	711049	3.32%	0.990%
22	13.669	1672	1679	1693	rVB	114399	255499	1.19%	0.356%
23	13.805	1694	1705	1712	rBV	356960	921931	4.31%	1.283%
24	15.714	2055	2070	2081	rBV	1736063	4023333	18.80%	5.601%
25	15.798	2081	2086	2101	rVB2	106480	308283	1.44%	0.429%
26	15.955	2107	2116	2126	rVB	161621	360696	1.69%	0.502%
27	16.551	2220	2230	2242	rBV4	96493	259699	1.21%	0.362%
28	16.818	2266	2281	2301	rBV3	65059	369425	1.73%	0.514%
29	17.027	2313	2321	2330	rVV6	92513	290875	1.36%	0.405%
30	17.367	2372	2386	2400	rBV	1790247	4019816	18.78%	5.596%
31	17.864	2471	2481	2491	rVB	123778	275995	1.29%	0.384%
32	18.120	2522	2530	2540	rVB2	116057	284122	1.33%	0.396%
33	18.570	2608	2616	2627	rVB	132449	332456	1.55%	0.463%
34	18.701	2627	2641	2651	rBV6	83054	320896	1.50%	0.447%
35	18.936	2679	2686	2695	rVB	146764	407364	1.90%	0.567%
36	19.281	2738	2752	2762	rVB3	68689	231140	1.08%	0.322%
37	19.443	2771	2783	2794	rBV	192356	449888	2.10%	0.626%
38	19.637	2810	2820	2841	rVB	628969	1716768	8.02%	2.390%

Sum of corrected areas: 71833469

03231119.D 031611V1.M Wed Apr 13 18:22:18 2011

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\032311\03231119.D
Operator : Michael Truchan
Acquired : 24 Mar 2011 1:38 am using AcqMethod 031611V1
Instrument : GC/MS Ins
Sample Name: 1103120-011A
Misc Info : SAMP EPA_TO15-ug/m3
Vial Number: 24
Quant File :031611V1.RES (RTE Integrator)



03231119.D 031611V1.M Wed Apr 13 18:22:18 2011

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231119.D Vial: 24
Acq On : 24 Mar 2011 1:38 am Operator: Michael Truchan
Sample : 1103120-011A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.36	88.39 ppbv	21406200	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide $$ Carbon oxide (CO2	44	CO2	000124-38-9	4
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Ethylene oxide	44	C2H4O	000075-21-8	3
5	Ethyne, fluoro- $$ Acetylene, fluor	44	C2HF	002713-09-9	3

****

Peak Number 2 1-Propene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	5.88 ppbv	1423950	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
3	1-Butene	56	C4H8	000106-98-9	87
4	1-Butene	56	C4H8	000106-98-9	87
5	1-Butene	56	C4H8	000106-98-9	87

****

Peak Number 3 1-Propene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	1.01 ppbv	244021	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	64
2	2-Butene, (E)- $$ (E)-2-Butene $$ t	56	C4H8	000624-64-6	58
3	2-Butene, (Z)- $$ (Z)-2-Butene $$ c	56	C4H8	000590-18-1	58
4	2-Butene, (E)-	56	C4H8	000624-64-6	58
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	53

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231119.D Vial: 24
Acq On : 24 Mar 2011 1:38 am Operator: Michael Truchan
Sample : 1103120-011A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 4 Butane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	6.25 ppbv	1513130	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	90
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	3-Buten-1-ol	72	C4H8O	000627-27-0	38
5	Oxirane, trimethyl- $$ Butane, 2,3-	86	C5H10O	005076-19-7	36

****

Peak Number 5 Pentane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	2.17 ppbv	525472	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane $$ n-Pentane $$ Skellysolve	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	64
4	Oxirane, 2,2-dimethyl-	72	C4H8O	000558-30-5	25
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	9

****

Peak Number 6 Ethane, 1,1,2-trichloro-1,2,2- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	1.23 ppbv	296907	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1,2-trichloro-1,2,2-trifl	186	C2Cl3F3	000076-13-1	43
2	Ethane, 1,1,2-trichloro-1,2,2-trifl	186	C2Cl3F3	000076-13-1	43
3	Ethane, 1,1,2-trichloro-1,2,2-trifl	186	C2Cl3F3	000076-13-1	35
4	Butane, 2,2-dimethyl- $$ Neohexane	86	C6H14	000075-83-2	27
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	27

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231119.D Vial: 24
Acq On : 24 Mar 2011 1:38 am Operator: Michael Truchan
Sample : 1103120-011A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 7 Pentane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	9.41 ppbv	2279040	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72

****

Peak Number 8 Pentane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	2.39 ppbv	579947	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl- $$ 3-Methylpenta	86	C6H14	000096-14-0	90
4	Pentane, 2,2,3-trimethyl- $$ 2,2,3-	114	C8H18	000564-02-3	56
5	Hexane, 2,2,3-trimethyl- $$ 2,2,3-T	128	C9H20	016747-25-4	40

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Peak Number 9 Pentane, 2,4-dimethyl- $$ 2,4- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	1.73 ppbv	419618	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl- $$ 2,4-Dimet	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	72
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	50

Data File : C:\HPCHEM\1\DATA\032311\03231119.D Vial: 24
Acq On : 24 Mar 2011 1:38 am Operator: Michael Truchan
Sample : 1103120-011A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 10 Cyclopentane, methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	1.83 ppbv	444390	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl- $$ Methylcycl	84	C6H12	000096-37-7	91
3	1H-Tetrazole, 5-methyl- $$ 5-Methyl	84	C2H4N4	004076-36-2	80
4	Cyclobutane, ethyl- $$ Ethylcyclobu	84	C6H12	004806-61-5	64
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	56

****

Peak Number 11 Pentane, 2,3-dimethyl- $$ 2,3- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	2.63 ppbv	637822	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl- $$ 2,3-Dimet	100	C7H16	000565-59-3	95
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91

****

Peak Number 12 Hexane, 2,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	4.27 ppbv	1427670	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	78
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	78
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231119.D Vial: 24
Acq On : 24 Mar 2011 1:38 am Operator: Michael Truchan
Sample : 1103120-011A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 13 Cyclohexane, methyl- $$ Cycloh Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.13 ppbv	711049	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl- $$ Cyclohexylm	98	C7H14	000108-87-2	97
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	97
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	78

****

Peak Number 14 Acetamide, N,N-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	1.15 ppbv	369425	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N,N-dimethyl-	87	C4H9NO	000127-19-5	87
2	Acetamide, N,N-dimethyl-	87	C4H9NO	000127-19-5	64
3	Acetamide, N,N-dimethyl- $$ Acetdim	87	C4H9NO	000127-19-5	50
4	2-Propanone, O-methyloxime $$ Aceto	87	C4H9NO	003376-35-0	16
5	Ethane, isothiocyanato-	87	C3H5NS	000542-85-8	9

****

Peak Number 15 Benzene, (1-methylethyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	0.90 ppbv	290875	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	55
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	49
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	46
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	46
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	46

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231119.D Vial: 24
Acq On : 24 Mar 2011 1:38 am Operator: Michael Truchan
Sample : 1103120-011A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 16 2,3-Dimethyldecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	1.03 ppbv	332456	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dimethyldecane	170	C12H26	017312-44-6	56
2	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	50
3	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	50
4	Hexane, 3,3-dimethyl- $$ 3,3-Dimeth	114	C8H18	000563-16-6	45
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	45

****

Peak Number 17 Cyclohexane, butyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	1.00 ppbv	320896	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	76
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	76
3	Cyclohexane, butyl- $$ n-Butylcyclo	140	C10H20	001678-93-9	68
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	68
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	64

****

Peak Number 18 Hexane, 2,2,5-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	1.27 ppbv	407364	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	50
2	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	47
3	Pentane, 2,2,3,4-tetramethyl- $$ 2,	128	C9H20	001186-53-4	45
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	43
5	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	42

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231119.D Vial: 24
Acq On : 24 Mar 2011 1:38 am Operator: Michael Truchan
Sample : 1103120-011A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 19 Undecane $$ n-Undecane $$ Hend Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	1.40 ppbv	449888	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane $$ n-Undecane $$ Hendecane	156	C11H24	001120-21-4	94
2	Undecane	156	C11H24	001120-21-4	90
3	Undecane	156	C11H24	001120-21-4	90
4	Tridecane $$ n-Tridecane $$ Trideca	184	C13H28	000629-50-5	90
5	Tetradecane	198	C14H30	000629-59-4	72

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Peak Number 20 Phenol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	5.33 ppbv	1716770	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol	94	C6H6O	000108-95-2	97
2	Phenol $$ Baker's P and S Liquid an	94	C6H6O	000108-95-2	96
3	Phenol	94	C6H6O	000108-95-2	91
4	Phosphonic acid, (p-hydroxyphenyl)-	174	C6H7O4P	033795-18-5	90
5	Phenol	94	C6H6O	000108-95-2	87

Tentatively Identified Compound (LSC) summary

Operator ID: Michael Truchan Date Acquired: 24 Mar 2011 1:38 am
Data File: C:\HPCHEM\1\DATA\032311\03231119.D
Name: 1103120-011A
Misc: SAMP EPA_TO15-ug/m3
Method: C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title: TO15 ppbv
Library Searched: C:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	5.36	88.4	ppbv	21406200	ISTD01	10.76	3027370	12.5
1-Propene, 2-methyl-	6.31	5.9	ppbv	1423950	ISTD01	10.76	3027370	12.5
1-Propene, 2-methyl-	6.66	1.0	ppbv	244021	ISTD01	10.76	3027370	12.5
Butane, 2-methyl-	7.19	6.2	ppbv	1513130	ISTD01	10.76	3027370	12.5
Pentane	7.57	2.2	ppbv	525472	ISTD01	10.76	3027370	12.5
Ethane, 1,1,2-trichl	8.17	1.2	ppbv	296907	ISTD01	10.76	3027370	12.5
Pentane, 2-methyl-	8.76	9.4	ppbv	2279040	ISTD01	10.76	3027370	12.5
Pentane, 3-methyl-	9.09	2.4	ppbv	579947	ISTD01	10.76	3027370	12.5
Pentane, 2,4-dimethy	10.00	1.7	ppbv	419618	ISTD01	10.76	3027370	12.5
Cyclopentane, methyl	10.22	1.8	ppbv	444390	ISTD01	10.76	3027370	12.5
Pentane, 2,3-dimethy	10.95	2.6	ppbv	637822	ISTD01	10.76	3027370	12.5
Hexane, 2,2-dimethyl	11.36	4.3	ppbv	1427670	ISTD02	11.86	4174780	12.5
Cyclohexane, methyl-	12.39	2.1	ppbv	711049	ISTD02	11.86	4174780	12.5
Acetamide, N,N-dimet	16.82	1.1	ppbv	369425	ISTD03	15.71	4023330	12.5
Benzene, (1-methylet	17.03	0.9	ppbv	290875	ISTD03	15.71	4023330	12.5
2,3-Dimethyldecane	18.57	1.0	ppbv	332456	ISTD03	15.71	4023330	12.5
Cyclohexane, butyl-	18.70	1.0	ppbv	320896	ISTD03	15.71	4023330	12.5
Hexane, 2,2,5-trimet	18.94	1.3	ppbv	407364	ISTD03	15.71	4023330	12.5
Undecane $$ n-Undeca	19.44	1.4	ppbv	449888	ISTD03	15.71	4023330	12.5
Phenol	19.64	5.3	ppbv	1716770	ISTD03	15.71	4023330	12.5

03231119.D 031611V1.M Wed Apr 13 18:22:19 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231120.D Vial: 25
Acq On : 24 Mar 2011 2:23 am Operator: Michael Truchan
Sample : 1103120-012A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: CLME.P
Quant Time: Mar 24 3:49 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

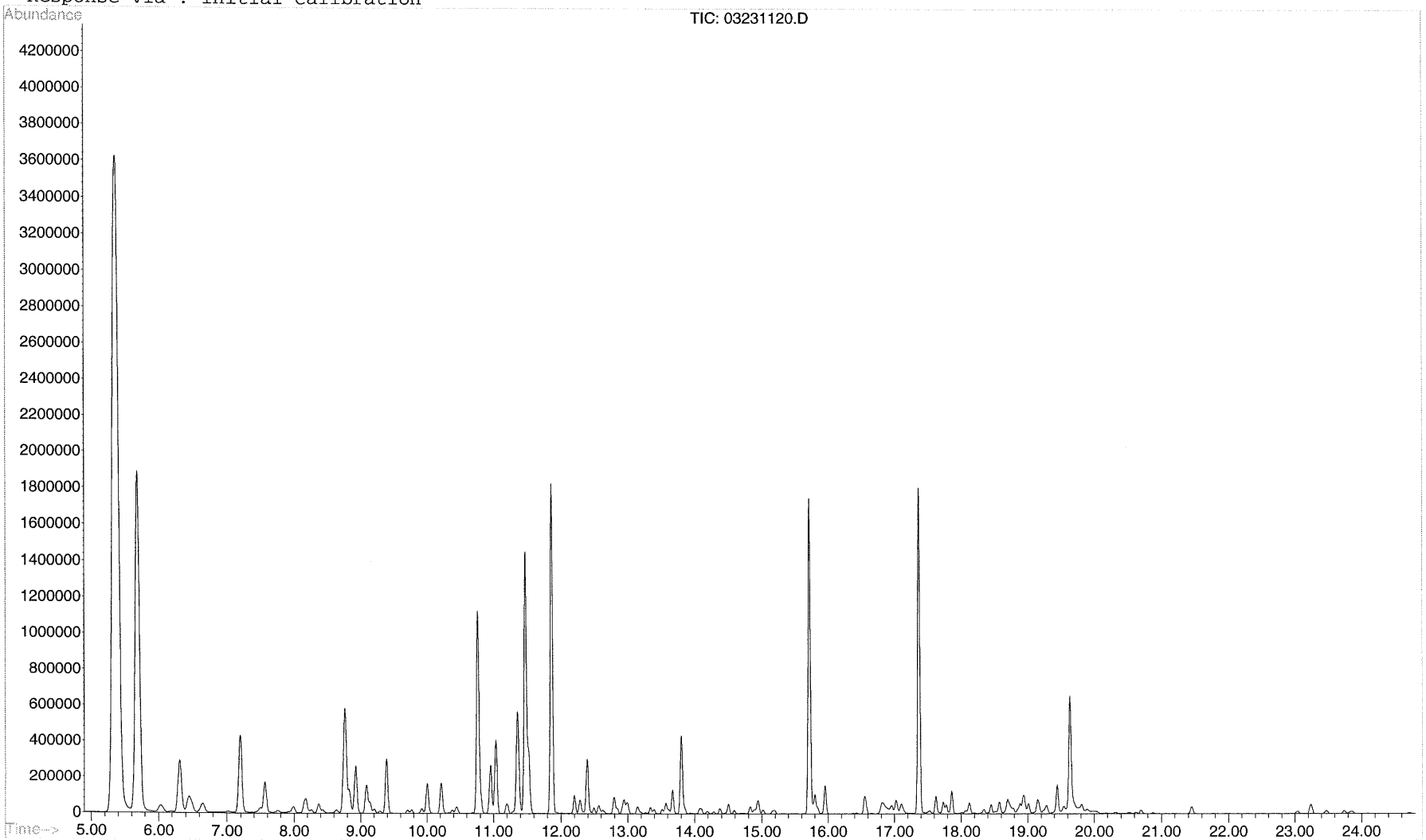
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	498011	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	1864791	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1266648	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	834621	13.15	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 105.20%				
Target Compounds							Qvalue
2) Propylene	5.69	41	2143464	57.42	ppbv		90
7) 1,3-Butadiene	6.45	39	97953	2.60	ppbv	#	82
11) Ethanol	7.75	45	7935	0.96	ppbv	#	70
14) Acetone	8.37	43	102413	1.67	ppbv	#	96
16) 2-Propanol	8.42	45	30403	0.69	ppbv	#	1
17) Methylene chloride	8.92	49	194791	3.88	ppbv		93
18) tert-Butyl Methyl Ether	9.14	73	75029	0.66	ppbv	#	53
20) n-Hexane	9.39	57	194040	2.67	ppbv		95
24) 2-Butanone	10.43	43	31918	0.50	ppbv	#	88
26) Tetrahydrofuran	10.80	42	40562	0.98	ppbv	#	60
29) Cyclohexane	11.03	56	187335	2.54	ppbv	#	81
31) Benzene	11.47	78	1588720	12.90	ppbv		99
34) Heptane	11.52	43	152654	1.70	ppbv	#	93
41) Toluene	13.80	91	411544	2.93	ppbv		98
45) 2-Hexanone	14.59	43	18635	0.62	ppbv		90
50) Ethylbenzene	15.80	91	103813	0.70	ppbv		94
51) m,p-Xylene	15.96	91	126822	1.11	ppbv		93
52) o-Xylene	16.55	91	74134	0.67	ppbv	#	91
58) 1,3,5-Trimethylbenzene	17.86	105	70198	0.64	ppbv	#	79
66) Naphthalene	23.74	128	33135	0.81	ppbv	#	93

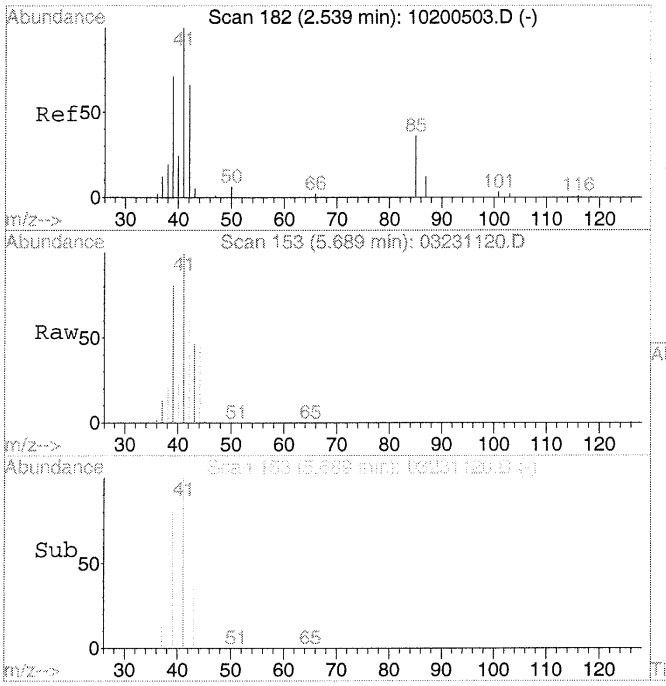
(#) = qualifier out of range (m) = manual integration
03231120.D 031611V1.M Wed Apr 13 18:22:25 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\032311\03231120.D Vial: 25
Acq On : 24 Mar 2011 2:23 am Operator: Michael Truchan
Sample : 1103120-012A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: CLME.P
Quant Time: Mar 24 3:49 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

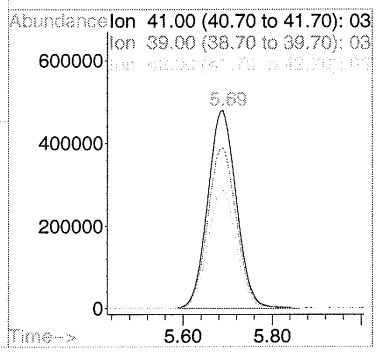


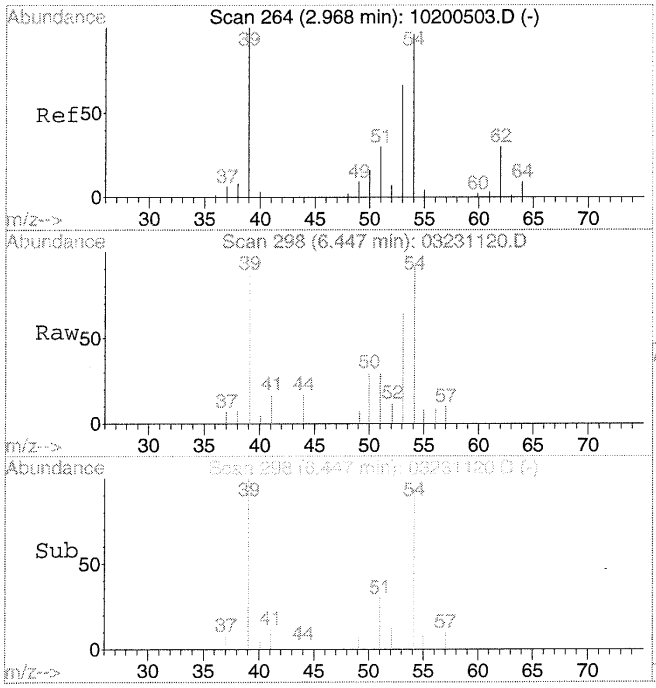


#2
Propylene
Concen: 57.42 ppbv
RT: 5.69 min Scan# 153
Delta R.T. 0.01 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 41 Resp: 2143464

Ion	Ratio	Lower	Upper
41	100		
39	81.8	57.6	86.4
42	60.2	54.0	81.0

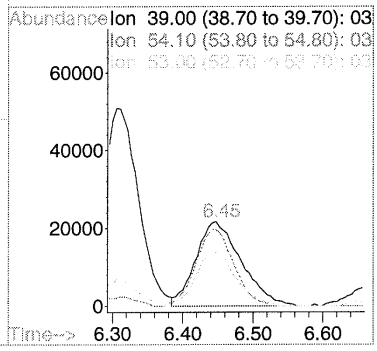


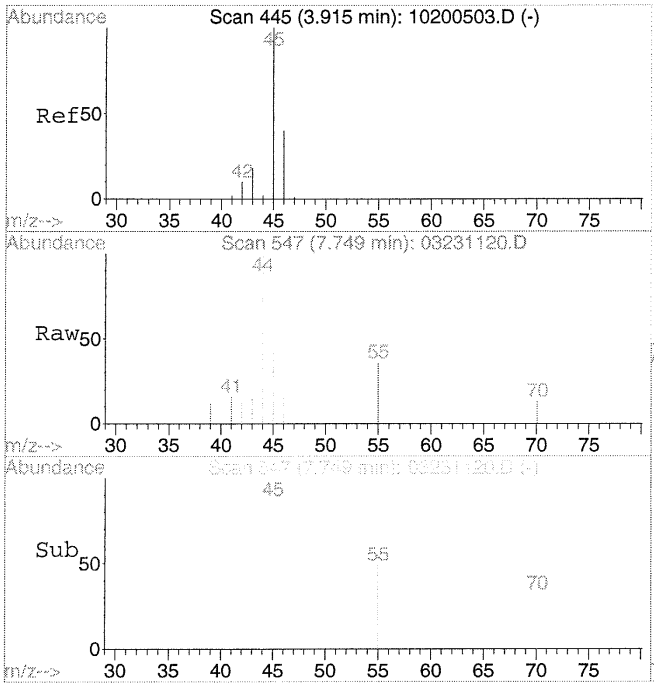


#7
1,3-Butadiene
Concen: 2.60 ppbv
RT: 6.45 min Scan# 298
Delta R.T. 0.01 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 39 Resp: 97953

Ion	Ratio	Lower	Upper
39	100		
54	76.1	79.4	119.0#
53	57.4	53.2	79.8

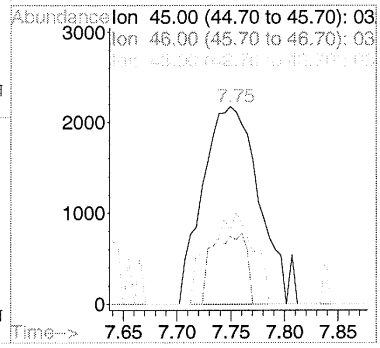


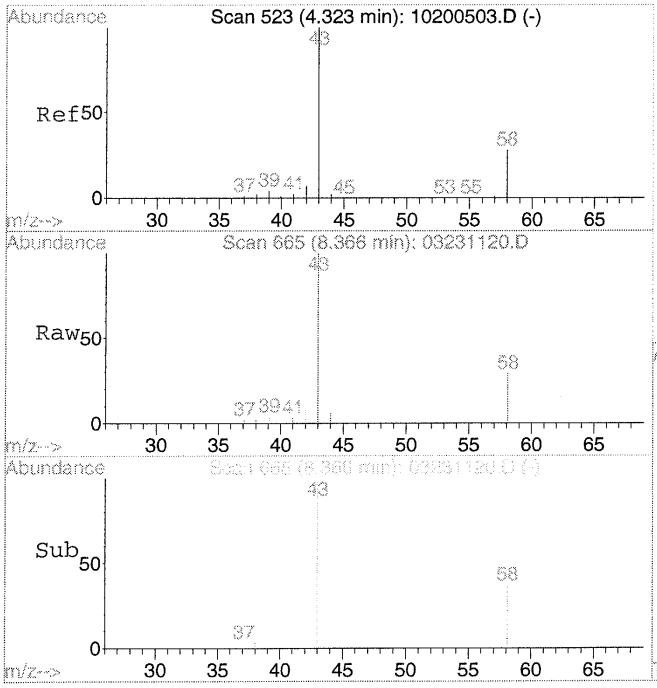


#11
Ethanol
Concen: 0.96 ppbv
RT: 7.75 min Scan# 547
Delta R.T. 0.02 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 45 Resp: 7935

Ion	Ratio	Lower	Upper
45	100		
46	21.7	30.2	45.4#
43	36.2	15.8	23.6#

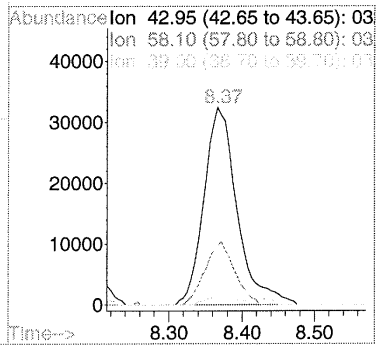


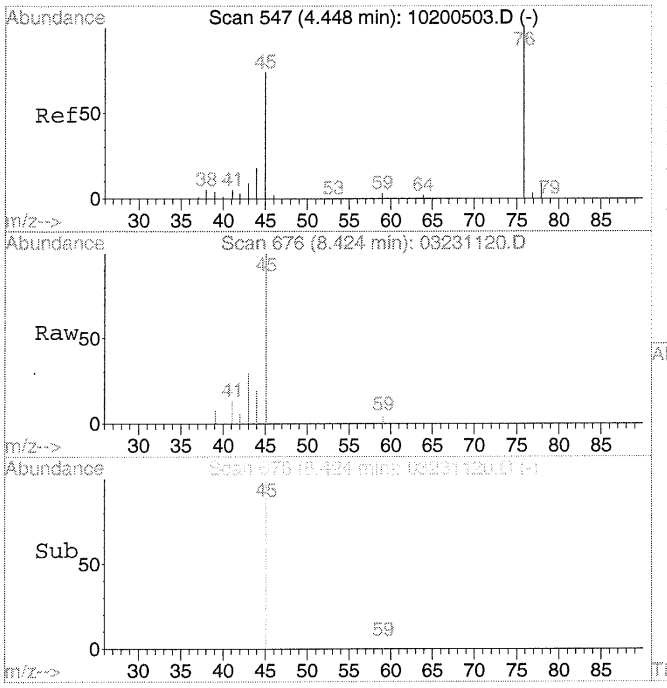


#14
Acetone
Concen: 1.67 ppbv
RT: 8.37 min Scan# 665
Delta R.T. 0.01 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 43 Resp: 102413

Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.0	33.0
39	4.0	6.5	9.7#

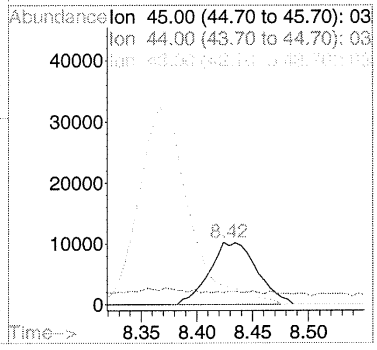


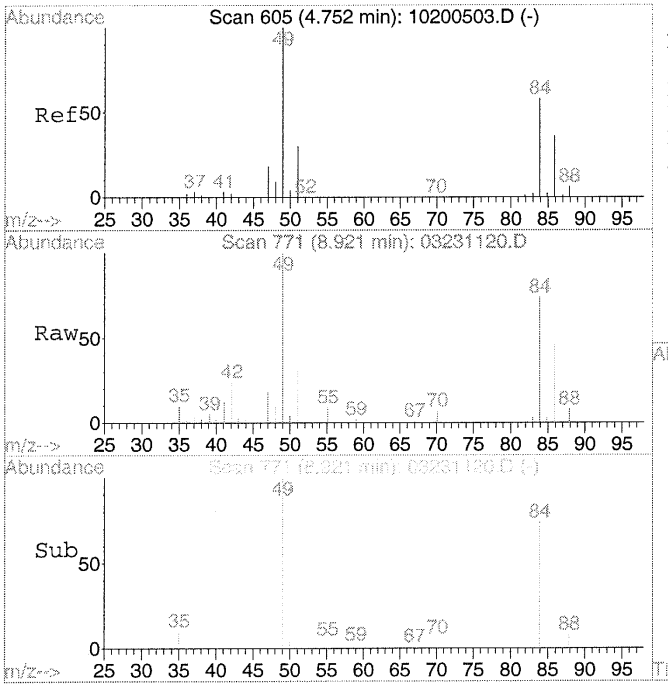


#16
2-Propanol
Concen: 0.69 ppbv
RT: 8.42 min Scan# 676
Delta R.T. 0.02 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 45 Resp: 30403

Ion	Ratio	Lower	Upper
45	100		
44	0.0	5.2	7.8#
43	0.0	101.1	151.7#

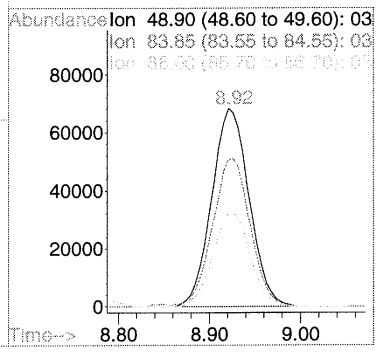


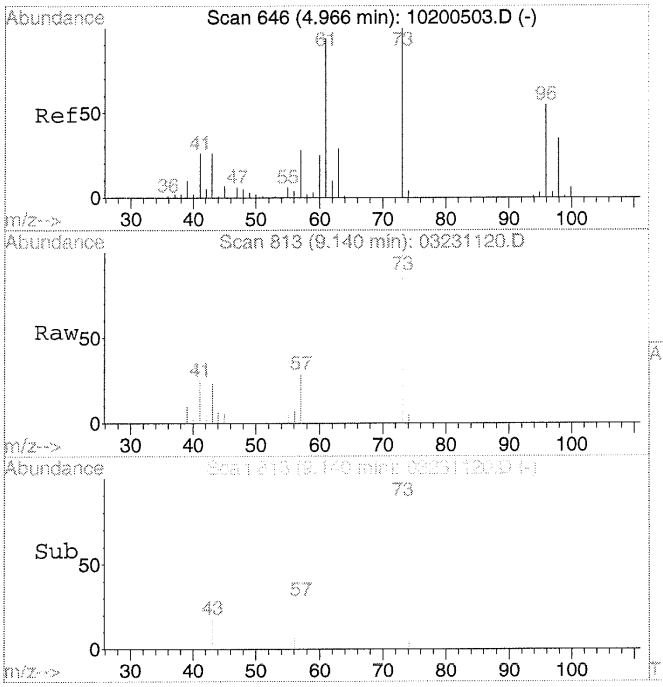


#17
Methylene chloride
Concen: 3.88 ppbv
RT: 8.92 min Scan# 771
Delta R.T. -0.00 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 49 Resp: 194791

Ion	Ratio	Lower	Upper
49	100		
84	75.4	65.4	98.2
86	47.6	42.3	63.5

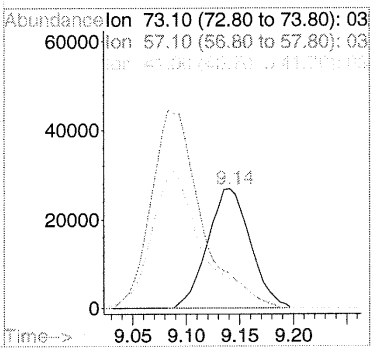


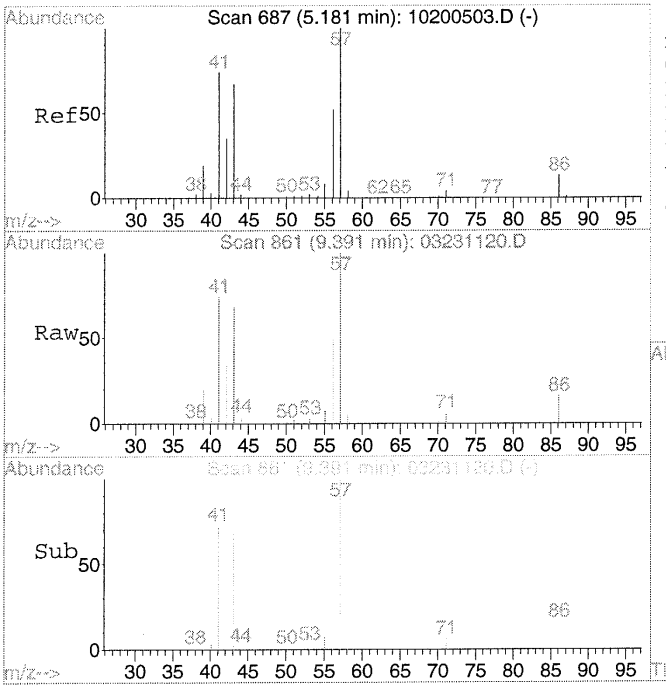


#18
tert-Butyl Methyl Ether
Concen: 0.66 ppbv
RT: 9.14 min Scan# 813
Delta R.T. 0.01 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 73 Resp: 75029

Ion	Ratio	Lower	Upper
73	100		
57	0.0	18.5	27.7#
41	0.0	17.3	25.9#

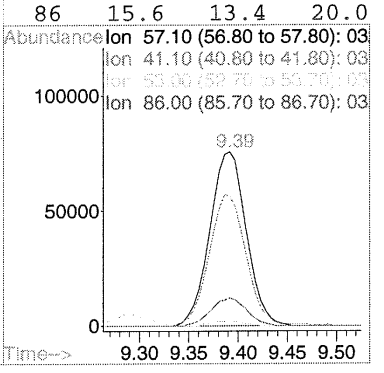


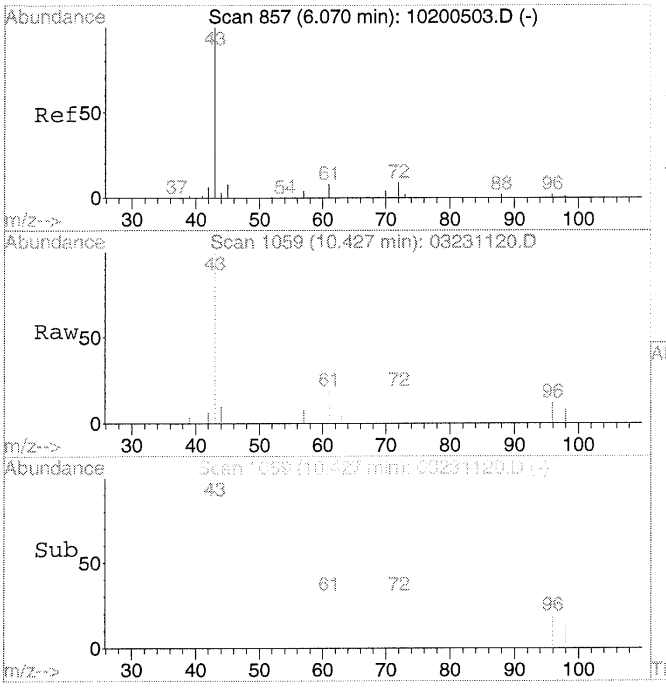


#20
n-Hexane
Concen: 2.67 ppbv
RT: 9.39 min Scan# 861
Delta R.T. -0.00 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 57 Resp: 194040

Ion	Ratio	Lower	Upper
57	100		
41	76.2	57.2	85.8
53	2.4	1.8	2.8
86	15.6	13.4	20.0

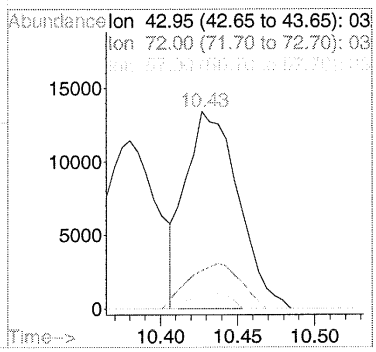


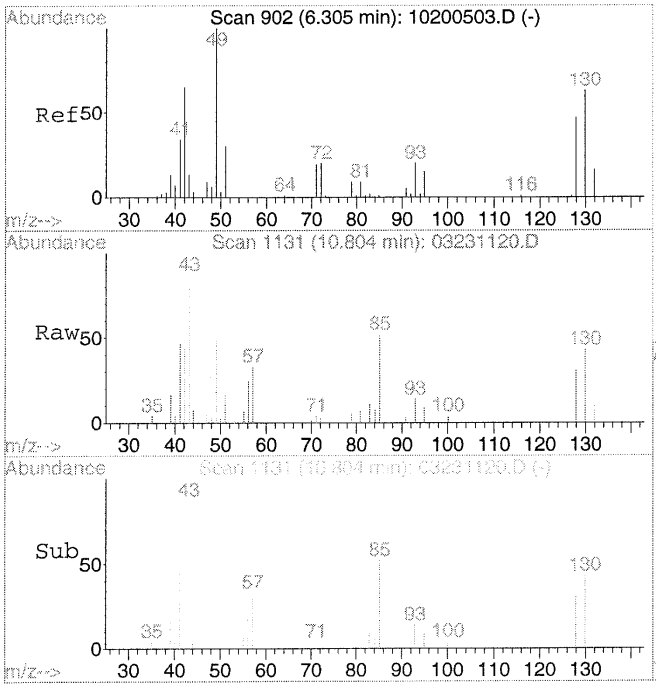


#24
2-Butanone
Concen: 0.50 ppbv
RT: 10.43 min Scan# 1059
Delta R.T. 0.01 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 43 Resp: 31918

Ion	Ratio	Lower	Upper
43	100		
72	22.5	23.4	35.2#
57	5.6	6.9	10.3#

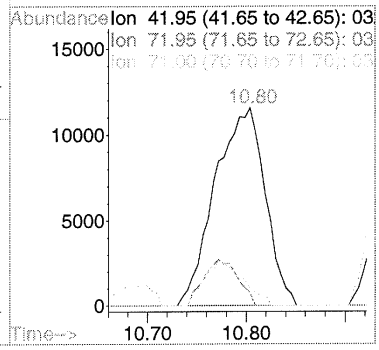


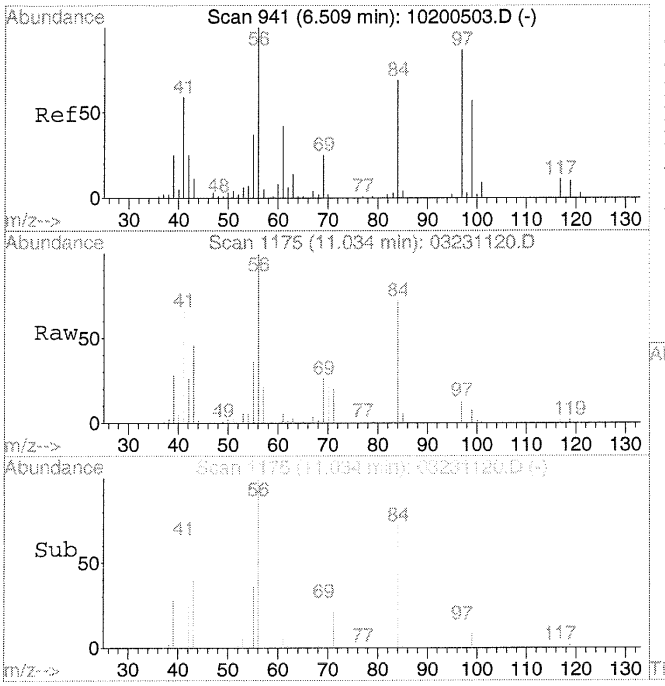


#26
Tetrahydrofuran
Concen: 0.98 ppbv
RT: 10.80 min Scan# 1131
Delta R.T. 0.05 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 42 Resp: 40562

Ion	Ratio	Lower	Upper
42	100		
72	16.1	35.0	52.6#
71	17.9	31.9	47.9#

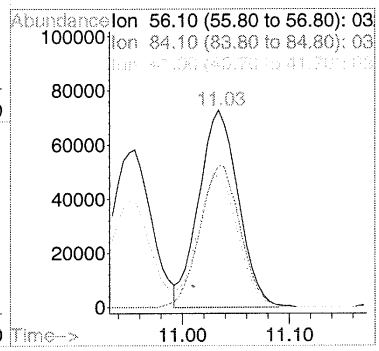


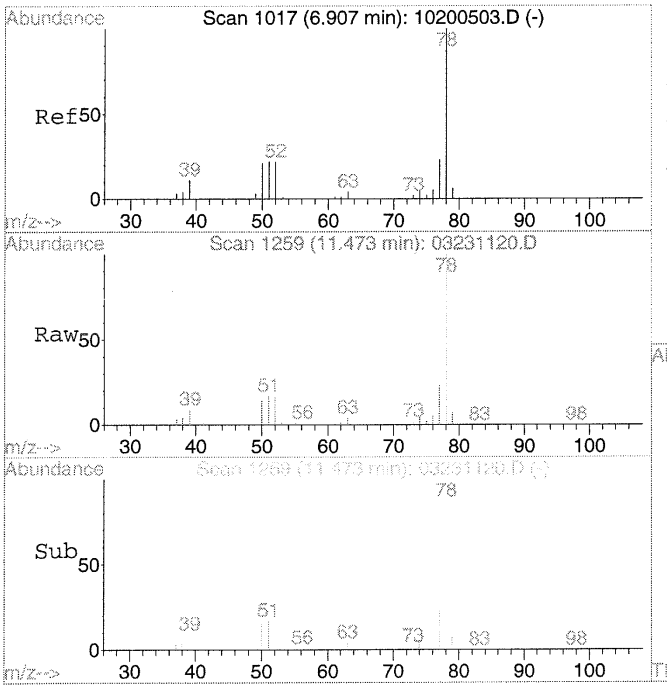


#29
Cyclohexane
Concen: 2.54 ppbv
RT: 11.03 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 56 Resp: 187335

Ion	Ratio	Lower	Upper
56	100		
84	73.5	72.4	108.6
41	68.8	43.8	65.8#

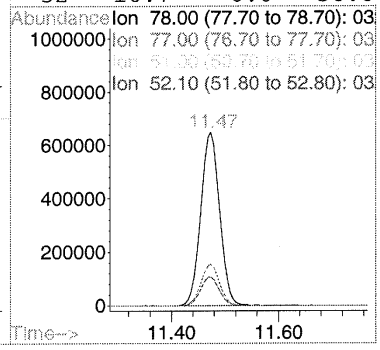


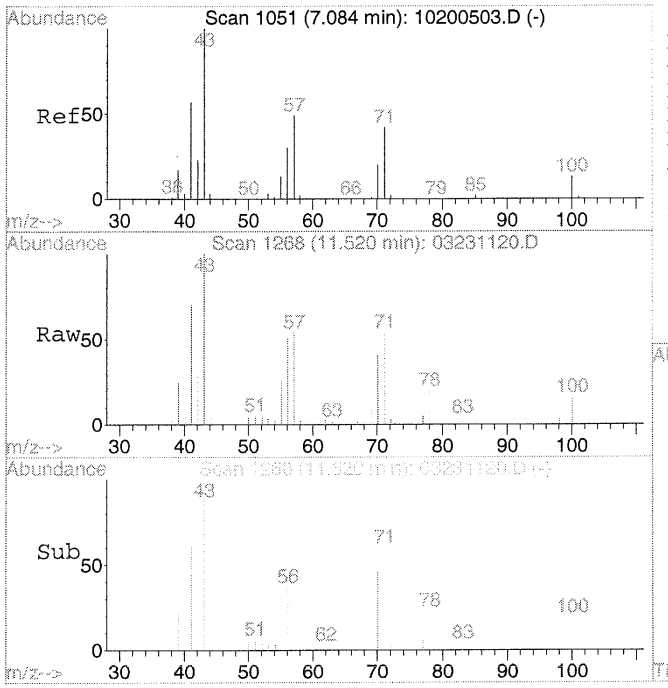


#31
Benzene
Concen: 12.90 ppbv
RT: 11.47 min Scan# 1259
Delta R.T. 0.00 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 78 Resp: 1588720

Ion	Ratio	Lower	Upper
78	100		
77	23.7	3.7	43.7
51	17.2	0.0	36.1
52	16.7	0.0	36.0

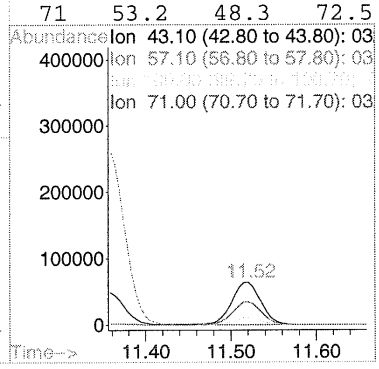


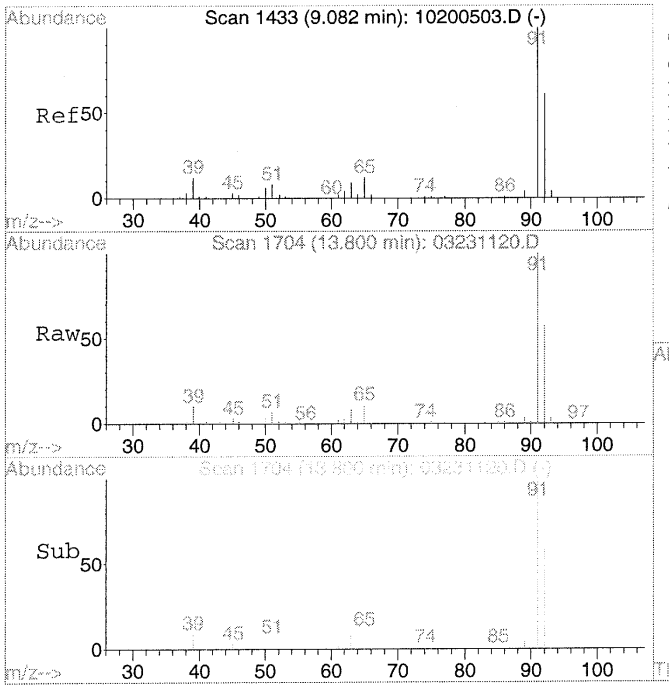


#34
Heptane
Concen: 1.70 ppbv
RT: 11.52 min Scan# 1268
Delta R.T. -0.00 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 43 Resp: 152654

Ion	Ratio	Lower	Upper
43	100		
57	53.6	42.2	63.4
100	15.4	17.3	25.9#
71	53.2	48.3	72.5

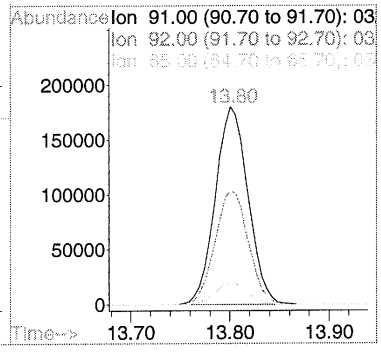


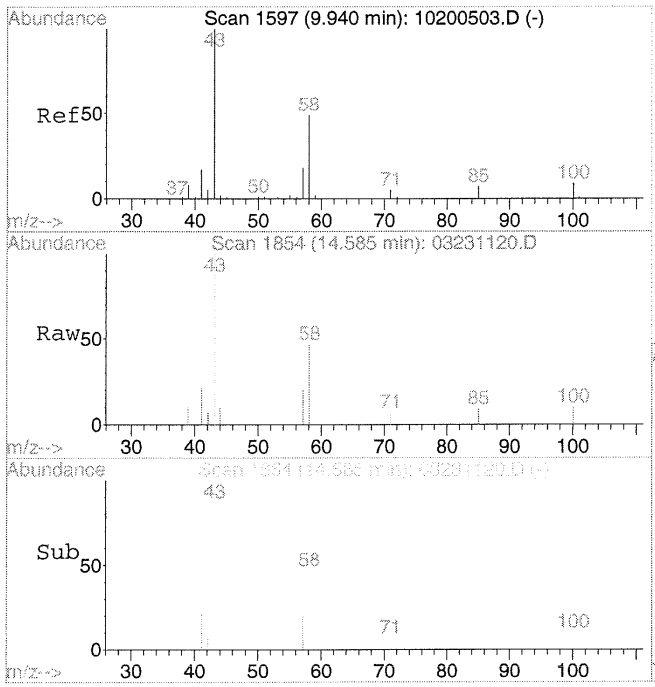


#41
Toluene
Concen: 2.93 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 91 Resp: 411544

Ion	Ratio	Lower	Upper
91	100		
92	58.6	40.5	80.5
65	11.0	0.0	31.2

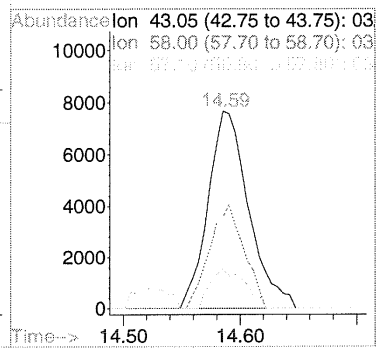


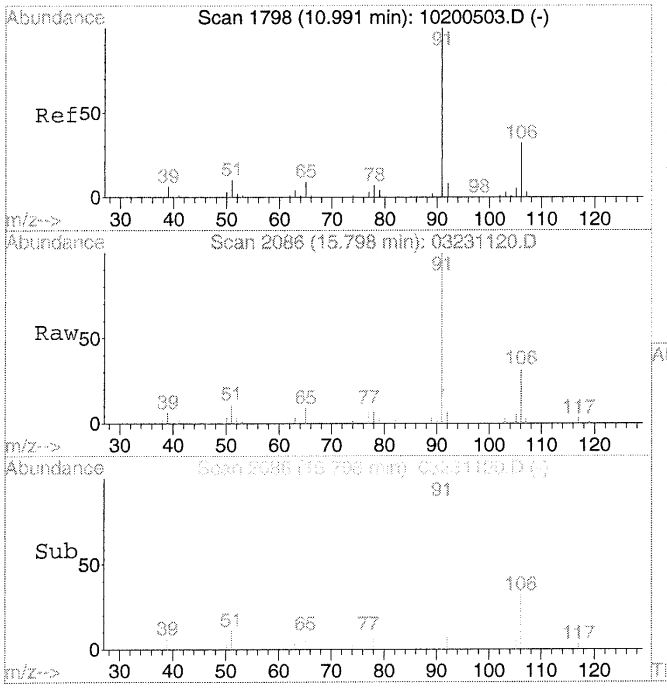


#45
2-Hexanone
Concen: 0.62 ppbv
RT: 14.59 min Scan# 1854
Delta R.T. 0.00 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 43 Resp: 18635

Ion	Ratio	Lower	Upper
43	100		
58	44.9	33.8	73.8
57	17.3	0.0	38.6

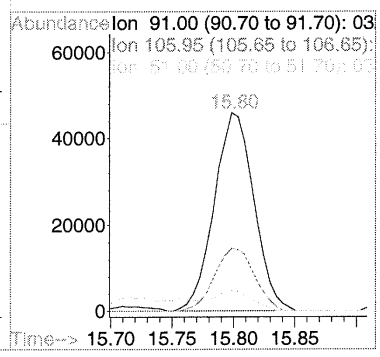


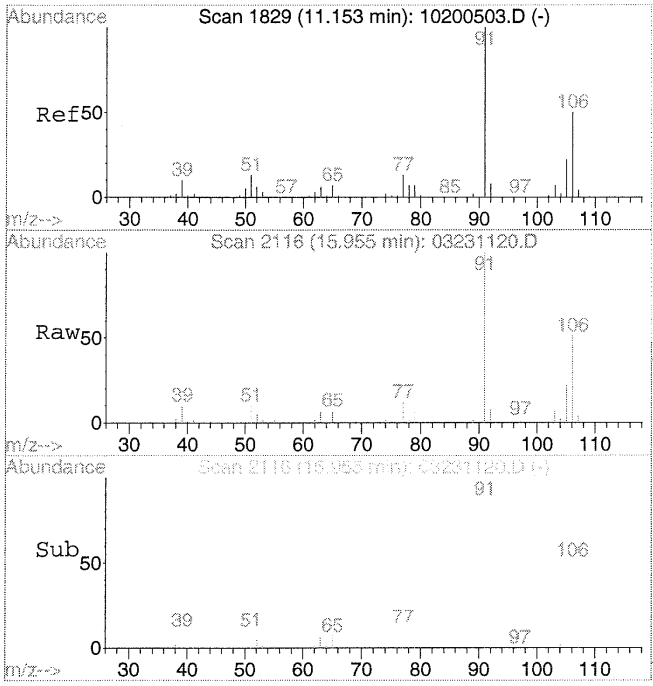


#50
Ethylbenzene
Concen: 0.70 ppbv
RT: 15.80 min Scan# 2086
Delta R.T. -0.00 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 91 Resp: 103813

Ion	Ratio	Lower	Upper
91	100		
106	32.1	14.9	54.9
51	10.3	0.0	33.1

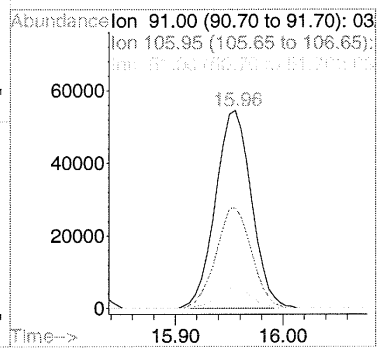


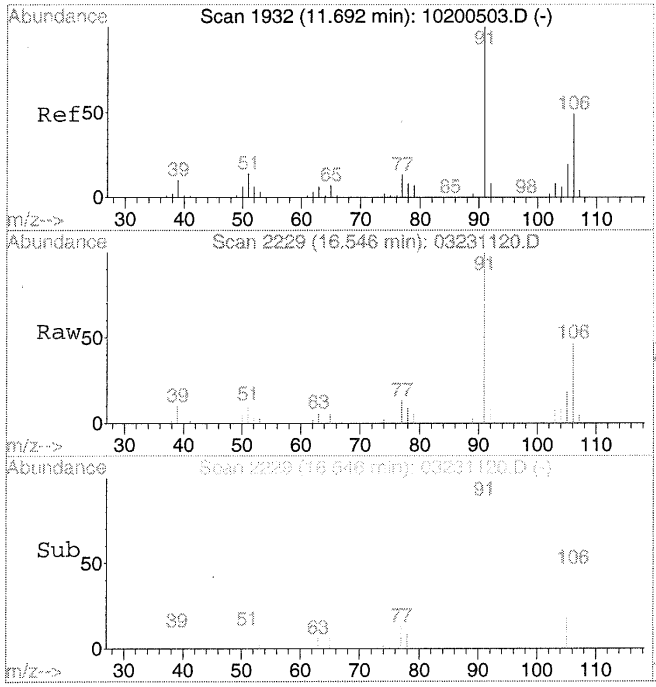


#51
m,p-Xylene
Concen: 1.11 ppbv
RT: 15.96 min Scan# 2116
Delta R.T. -0.00 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 91 Resp: 126822

Ion	Ratio	Lower	Upper
91	100		
106	50.2	35.6	75.6
51	10.1	0.0	29.6

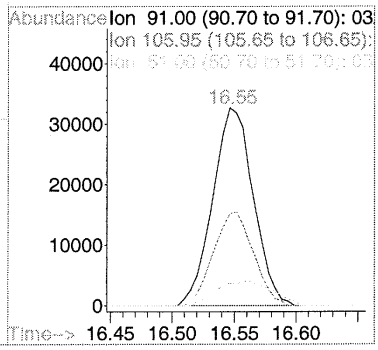


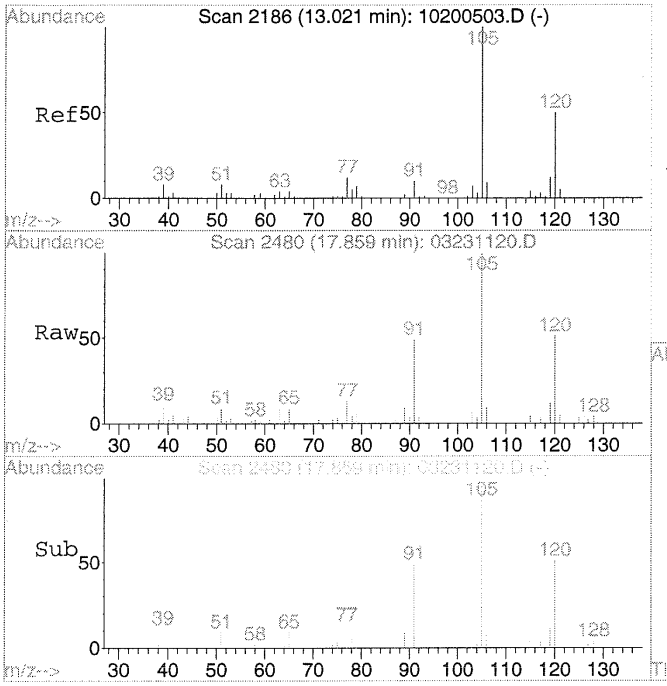


#52
o-Xylene
Concen: 0.67 ppbv
RT: 16.55 min Scan# 2229
Delta R.T. -0.00 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion: 91 Resp: 74134

Ion	Ratio	Lower	Upper
91	100		
106	46.8	41.0	61.6
51	17.2	19.7	29.5#

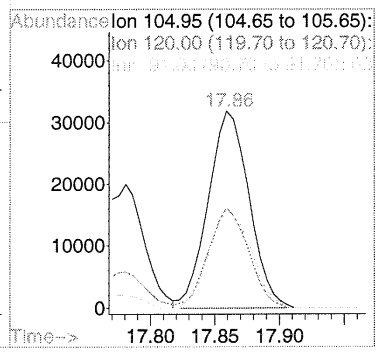


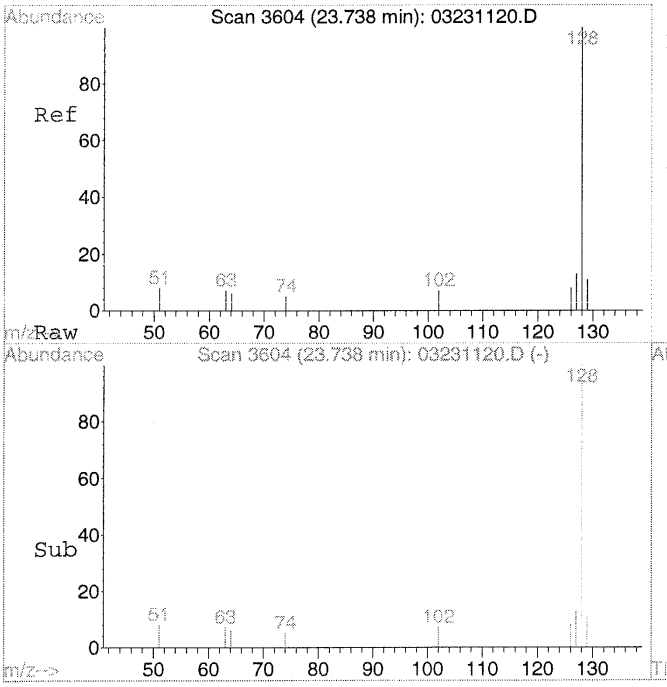


#58
1,3,5-Trimethylbenzene
Concen: 0.64 ppbv
RT: 17.86 min Scan# 2480
Delta R.T. -0.00 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion:105 Resp: 70198

Ion	Ratio	Lower	Upper
105	100		
120	49.7	32.1	72.1
91	51.1	0.0	30.4#

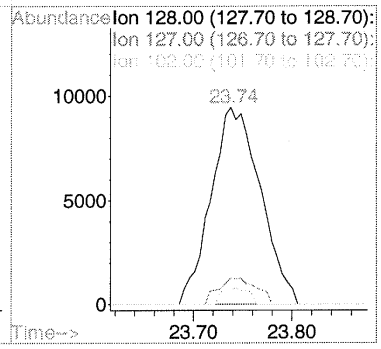




#66
Naphthalene
Concen: 0.81 ppbv
RT: 23.74 min Scan# 3604
Delta R.T. -0.01 min
Lab File: 03231120.D
Acq: 24 Mar 2011 2:23 am

Tgt Ion:128 Resp: 33135

Ion	Ratio	Lower	Upper
128	100		
127	10.2	9.8	14.6
102	4.5	6.3	9.5#



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\032311\03231120.D Vial: 25
Acq On : 24 Mar 2011 2:23 am Operator: Michael Truchan
Sample : 1103120-012A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

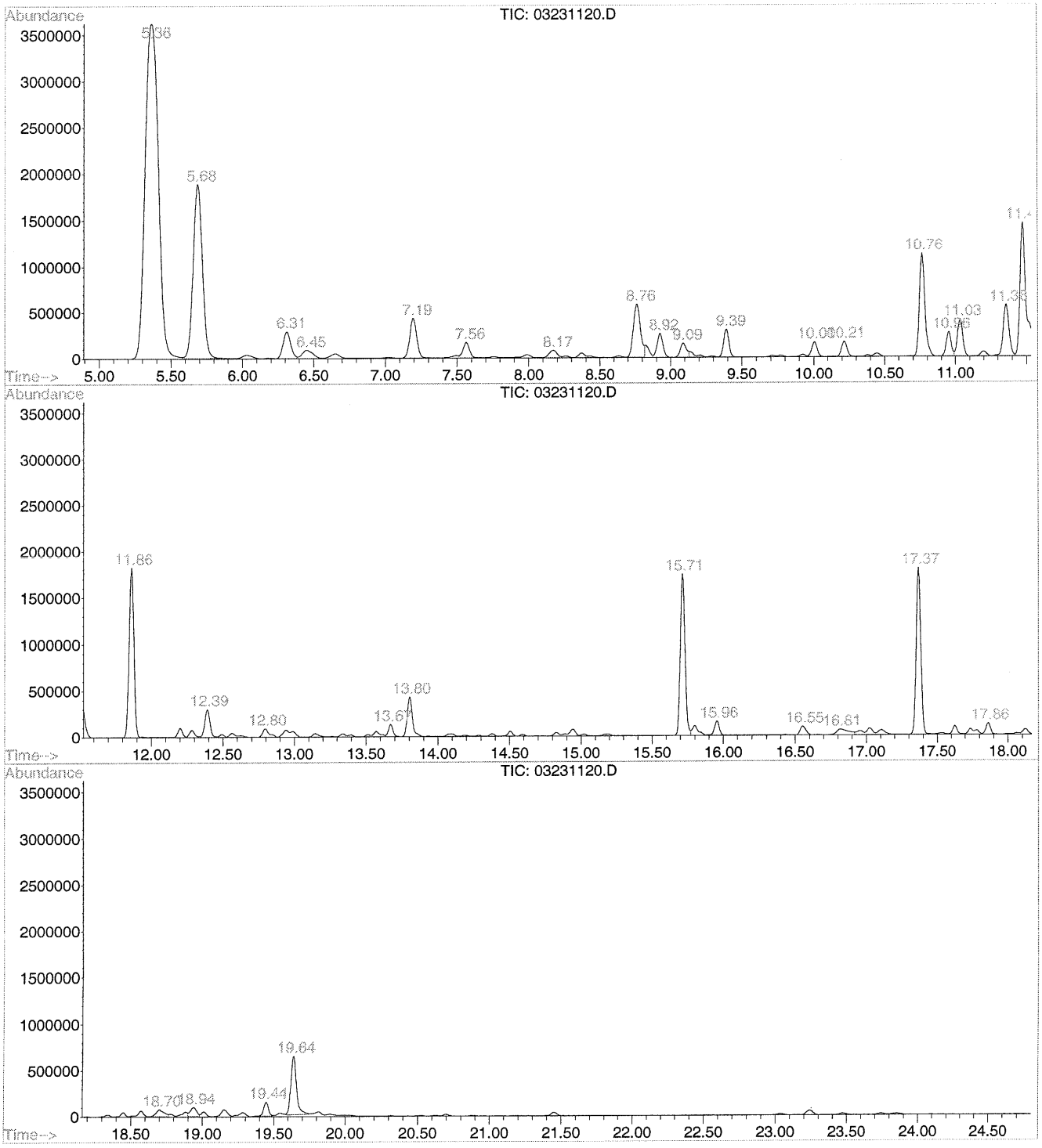
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.364	59	91	132	rBV	3624223	23308715	100.00%	33.464%
2	5.683	133	152	187	rVB	1880114	8457534	36.28%	12.142%
3	6.311	256	272	286	rBV2	289351	1086875	4.66%	1.560%
4	6.452	286	299	320	rVV4	86862	444091	1.91%	0.638%
5	7.190	426	440	459	rBV	427405	1435591	6.16%	2.061%
6	7.561	502	511	528	rVB	167601	512094	2.20%	0.735%
7	8.173	614	628	640	rBV4	77419	304461	1.31%	0.437%
8	8.759	727	740	751	rBV2	576799	2011266	8.63%	2.888%
9	8.921	762	771	786	rVB2	259720	737298	3.16%	1.059%
10	9.088	789	803	811	rBV	152711	475569	2.04%	0.683%
11	9.391	850	861	873	rBV	299180	761598	3.27%	1.093%
12	10.003	969	978	996	rVB	163465	426986	1.83%	0.613%
13	10.213	1007	1018	1033	rVB	167702	445193	1.91%	0.639%
14	10.762	1112	1123	1144	rVB	1121275	3000128	12.87%	4.307%
15	10.955	1148	1160	1167	rVV	264277	686535	2.95%	0.986%
16	11.034	1167	1175	1189	rVB3	404487	1037175	4.45%	1.489%
17	11.358	1216	1237	1249	rVV	562189	1598092	6.86%	2.294%
18	11.473	1249	1259	1284	rVB	1449274	4384195	18.81%	6.294%
19	11.860	1321	1333	1345	rBV	1823587	4166885	17.88%	5.982%
20	12.388	1424	1434	1447	rVV2	299782	755010	3.24%	1.084%
21	12.796	1502	1512	1528	rBV3	89541	286352	1.23%	0.411%
22	13.670	1672	1679	1694	rVV	131025	289917	1.24%	0.416%
23	13.800	1694	1704	1725	rVB	430986	1090224	4.68%	1.565%
24	15.715	2058	2070	2081	rBV	1742163	4017096	17.23%	5.767%
25	15.955	2107	2116	2126	rVB	153387	352979	1.51%	0.507%
26	16.552	2220	2230	2243	rVB3	96034	264412	1.13%	0.380%
27	16.813	2264	2280	2300	rBV2	61048	361520	1.55%	0.519%
28	17.367	2371	2386	2400	rBV	1799554	4019543	17.24%	5.771%
29	17.859	2472	2480	2490	rVB	122735	263544	1.13%	0.378%
30	18.701	2626	2641	2653	rBV5	74162	297691	1.28%	0.427%
31	18.942	2679	2687	2694	rVV3	94938	291335	1.25%	0.418%
32	19.444	2771	2783	2792	rBV2	151867	355648	1.53%	0.511%
33	19.637	2809	2820	2842	rVV	627741	1728280	7.41%	2.481%

Sum of corrected areas: 69653832

03231120.D 031611V1.M Wed Apr 13 18:22:32 2011

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\032311\03231120.D
Operator : Michael Truchan
Acquired : 24 Mar 2011 2:23 am using AcqMethod 031611V1
Instrument : GC/MS Ins
Sample Name: 1103120-012A
Misc Info : SAMP EPA_TO15-ug/m3
Vial Number: 25
Quant File :031611V1.RES (RTE Integrator)



03231120.D 031611V1.M Wed Apr 13 18:22:32 2011

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231120.D Vial: 25
Acq On : 24 Mar 2011 2:23 am Operator: Michael Truchan
Sample : 1103120-012A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.36	97.12 ppbv	23308700	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide $$ Carbon oxide (CO2	44	CO2	000124-38-9	4
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Ethylene oxide	44	C2H4O	000075-21-8	3
5	Ethyne, fluoro- $$ Acetylene, fluor	44	C2HF	002713-09-9	3

****

Peak Number 2 1-Propene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	4.53 ppbv	1086880	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
3	1-Butene	56	C4H8	000106-98-9	87
4	1-Butene	56	C4H8	000106-98-9	87
5	1-Butene	56	C4H8	000106-98-9	87

****

Peak Number 3 Butane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	5.98 ppbv	1435590	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2	Butane, 2-methyl-	72	C5H12	000078-78-4	87
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	10
5	Azetidine $$ Azacyclobutane $$ Azet	57	C3H7N	000503-29-7	9

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231120.D Vial: 25
Acq On : 24 Mar 2011 2:23 am Operator: Michael Truchan
Sample : 1103120-012A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 4 Pentane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	2.13 ppbv	512094	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane $$ n-Pentane $$ Skellysolve	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	72
4	Oxirane, ethyl-	72	C4H8O	000106-88-7	42
5	Butane, 2-methyl-	72	C5H12	000078-78-4	38

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Peak Number 5 Ethane, 1,1,2-trichloro-1,2,2- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	1.27 ppbv	304461	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1,2-trichloro-1,2,2-trifl	186	C2Cl3F3	000076-13-1	43
2	Ethane, 1,1,2-trichloro-1,2,2-trifl	186	C2Cl3F3	000076-13-1	43
3	Ethane, 1,1,2-trichloro-1,2,2-trifl	186	C2Cl3F3	000076-13-1	27
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	27
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	27

****

Peak Number 6 Pentane, 2-methyl- $$ Isohexan Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	8.38 ppbv	2011270	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl- $$ Isohexane $$	86	C6H14	000107-83-5	86
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	64

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231120.D Vial: 25
Acq On : 24 Mar 2011 2:23 am Operator: Michael Truchan
Sample : 1103120-012A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 7 Pentane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	1.98 ppbv	475569	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl- $$ 3-Methylpenta	86	C6H14	000096-14-0	90
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	40
5	Hexane, 2,2,3-trimethyl- $$ 2,2,3-T	128	C9H20	016747-25-4	40

****

Peak Number 8 Pentane, 2,4-dimethyl- $$ 2,4- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	1.78 ppbv	426986	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl- $$ 2,4-Dimet	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	87
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59

****

Peak Number 9 Cyclopentane, methyl- $$ Methy Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	1.85 ppbv	445193	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl- $$ Methylcycl	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	1H-Tetrazole, 5-methyl- $$ 5-Methyl	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl- $$ Ethylcyclobu	84	C6H12	004806-61-5	72
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	53

Data File : C:\HPCHEM\1\DATA\032311\03231120.D Vial: 25
Acq On : 24 Mar 2011 2:23 am Operator: Michael Truchan
Sample : 1103120-012A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 10 Pentane, 2,3-dimethyl- $$ 2,3- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	2.86 ppbv	686535	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl- $$ 2,3-Dimet	100	C7H16	000565-59-3	95
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91

****

Peak Number 11 Butane, 2,2,3,3-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	4.79 ppbv	1598090	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	72

****

Peak Number 12 Cyclohexane, methyl- $$ Cycloh Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.26 ppbv	755010	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl- $$ Cyclohexylm	98	C7H14	000108-87-2	97
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	78

Data File : C:\HPCHEM\1\DATA\032311\03231120.D Vial: 25
Acq On : 24 Mar 2011 2:23 am Operator: Michael Truchan
Sample : 1103120-012A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 13 Pentane, 2,3,4-trimethyl- $$ 2 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	0.86 ppbv	286352	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl- $$ 2,3,4-	114	C8H18	000565-75-3	59
2	1-Hexene, 4,5-dimethyl- $$ 4,5-Dime	112	C8H16	016106-59-5	50
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	45
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	45
5	1-Octene, 3-ethyl-	140	C10H20	074630-08-3	40

****

Peak Number 14 Octane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	0.87 ppbv	289917	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	87
2	Octane $$ n-Octane $$ n-C8H18 $$ Ok	114	C8H18	000111-65-9	83
3	Octane	114	C8H18	000111-65-9	83
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	64

****

Peak Number 15 Acetamide, N,N-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	1.12 ppbv	361520	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N,N-dimethyl-	87	C4H9NO	000127-19-5	91
2	Acetamide, N,N-dimethyl-	87	C4H9NO	000127-19-5	91
3	Acetamide, N,N-dimethyl- $$ Acetdim	87	C4H9NO	000127-19-5	64
4	Urea, trimethyl- $$ N,N,N'-Trimethy	102	C4H10N2O	000632-14-4	42
5	2-Propanone, O-methyloxime $$ Aceto	87	C4H9NO	003376-35-0	25

Data File : C:\HPCHEM\1\DATA\032311\03231120.D Vial: 25
Acq On : 24 Mar 2011 2:23 am Operator: Michael Truchan
Sample : 1103120-012A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 16 Cyclohexane, butyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	0.93 ppbv	297691	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	76
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	74
3	Cyclohexane, butyl- $$ n-Butylcyclo	140	C10H20	001678-93-9	74
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	74
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	72

****

Peak Number 17 Dodecane, 2,2,11,11-tetramethy Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	0.91 ppbv	291335	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	59
2	Pentane, 2,2,3,4-tetramethyl- $$ 2,	128	C9H20	001186-53-4	59
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
4	Undecane, 2,6-dimethyl- $$ 2,6-Dime	184	C13H28	017301-23-4	50
5	Undecane, 2,5-dimethyl- $$ 2,5-Dime	184	C13H28	017301-22-3	47

****

Peak Number 18 Tridecane $$ n-Tridecane $$ Tr Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	1.11 ppbv	355648	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane $$ n-Tridecane $$ Trideca	184	C13H28	000629-50-5	90
2	Undecane	156	C11H24	001120-21-4	87
3	Undecane	156	C11H24	001120-21-4	87
4	Decane, 2,9-dimethyl- $$ 2,9-Dimeth	170	C12H26	001002-17-1	72
5	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	72

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231120.D Vial: 25
Acq On : 24 Mar 2011 2:23 am Operator: Michael Truchan
Sample : 1103120-012A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

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Peak Number 19 Phenol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	5.38 ppbv	1728280	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol	94	C6H6O	000108-95-2	97
2	Phenol $$ Baker's P and S Liquid an	94	C6H6O	000108-95-2	96
3	Phenol	94	C6H6O	000108-95-2	91
4	Phosphonic acid, (p-hydroxyphenyl)-	174	C6H7O4P	033795-18-5	90
5	Carbamic acid, methyl-, phenyl este	151	C8H9NO2	001943-79-9	74

Tentatively Identified Compound (LSC) summary

Operator ID: Michael Truchan Date Acquired: 24 Mar 2011 2:23 am
Data File: C:\HPCHEM\1\DATA\032311\03231120.D
Name: 1103120-012A
Misc: SAMP EPA_TO15-ug/m3
Method: C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title: TO15 ppbv
Library Searched: C:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	5.36	97.1	ppbv	23308700	ISTD01	10.76	3000130	12.5
1-Propene, 2-methyl-	6.31	4.5	ppbv	1086880	ISTD01	10.76	3000130	12.5
Butane, 2-methyl-	7.19	6.0	ppbv	1435590	ISTD01	10.76	3000130	12.5
Pentane	7.56	2.1	ppbv	512094	ISTD01	10.76	3000130	12.5
Ethane, 1,1,2-trichl	8.17	1.3	ppbv	304461	ISTD01	10.76	3000130	12.5
Pentane, 2-methyl- $	8.76	8.4	ppbv	2011270	ISTD01	10.76	3000130	12.5
Pentane, 3-methyl-	9.09	2.0	ppbv	475569	ISTD01	10.76	3000130	12.5
Pentane, 2,4-dimethy	10.00	1.8	ppbv	426986	ISTD01	10.76	3000130	12.5
Cyclopentane, methyl	10.21	1.9	ppbv	445193	ISTD01	10.76	3000130	12.5
Pentane, 2,3-dimethy	10.96	2.9	ppbv	686535	ISTD01	10.76	3000130	12.5
Butane, 2,2,3,3-tetr	11.36	4.8	ppbv	1598090	ISTD02	11.86	4166890	12.5
Cyclohexane, methyl-	12.39	2.3	ppbv	755010	ISTD02	11.86	4166890	12.5
Pentane, 2,3,4-trime	12.80	0.9	ppbv	286352	ISTD02	11.86	4166890	12.5
Octane	13.67	0.9	ppbv	289917	ISTD02	11.86	4166890	12.5
Acetamide, N,N-dimet	16.81	1.1	ppbv	361520	ISTD03	15.71	4017100	12.5
Cyclohexane, butyl-	18.70	0.9	ppbv	297691	ISTD03	15.71	4017100	12.5
Dodecane, 2,2,11,11-	18.94	0.9	ppbv	291335	ISTD03	15.71	4017100	12.5
Tridecane $$ n-Tride	19.44	1.1	ppbv	355648	ISTD03	15.71	4017100	12.5
Phenol	19.64	5.4	ppbv	1728280	ISTD03	15.71	4017100	12.5

03231120.D 031611V1.M Wed Apr 13 18:22:33 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231121.D Vial: 26
Acq On : 24 Mar 2011 3:08 am Operator: Michael Truchan
Sample : 1103120-014A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: CLME.P
Quant Time: Mar 24 4:34 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

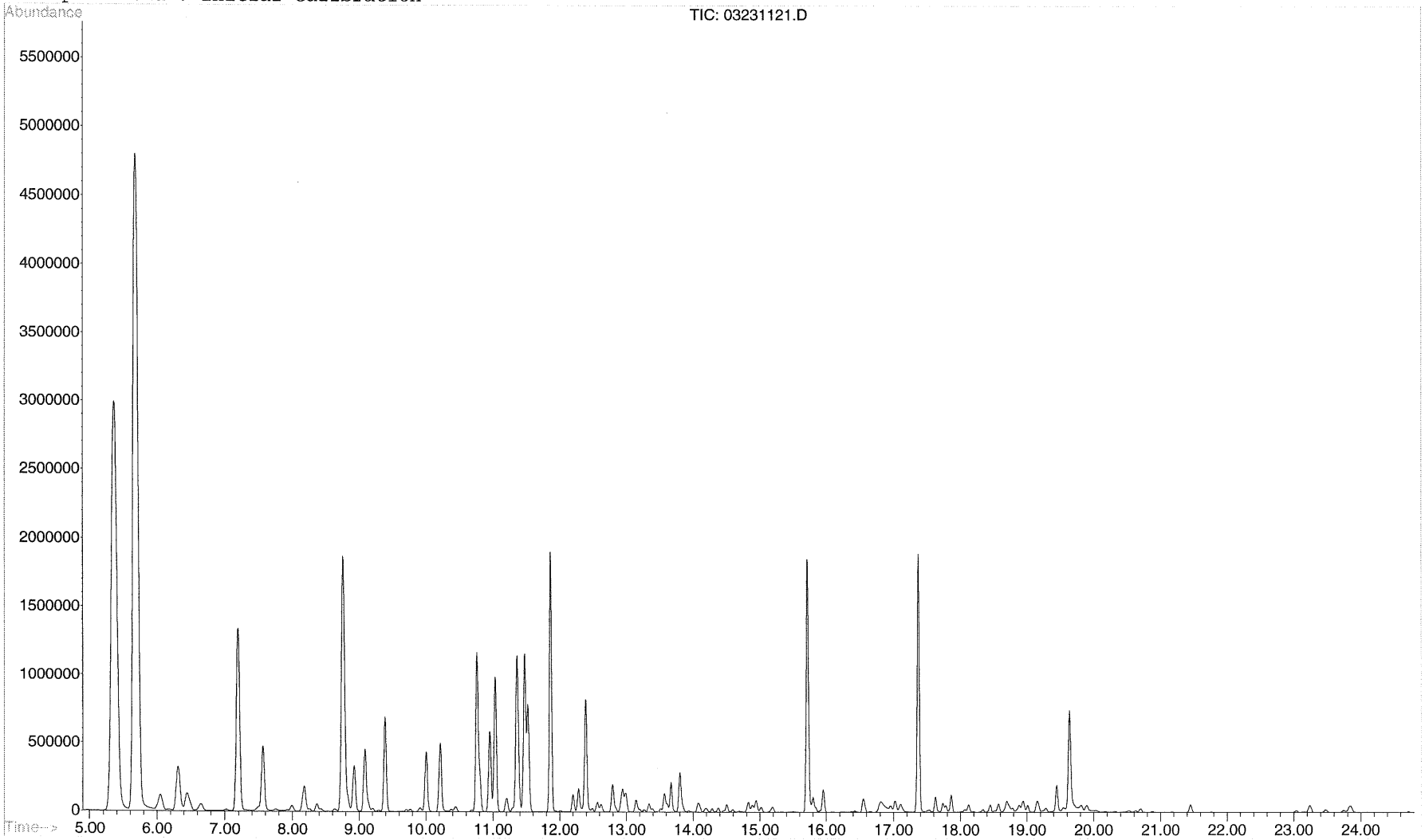
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	515280	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	1928923	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1340094	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	883590	13.16	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 105.28%				
Target Compounds							Qvalue
2) Propylene	5.68	41	4468164	115.68	ppbv	#	66
7) 1,3-Butadiene	6.45	39	127964	3.28	ppbv		87
11) Ethanol	7.74	45	4854	0.57	ppbv	#	79
14) Acetone	8.37	43	111826	1.76	ppbv	#	97
16) 2-Propanol	8.43	45	33261	0.73	ppbv	#	1
17) Methylene chloride	8.92	49	189989	3.66	ppbv		93
18) tert-Butyl Methyl Ether	9.13	73	75549	0.64	ppbv	#	1
20) n-Hexane	9.39	57	439516	5.84	ppbv		96
24) 2-Butanone	10.43	43	33448	0.51	ppbv	#	90
26) Tetrahydrofuran	10.80	42	82706	1.93	ppbv	#	49
29) Cyclohexane	11.03	56	470202	6.17	ppbv	#	81
31) Benzene	11.47	78	1183110	9.29	ppbv		98
34) Heptane	11.52	43	339550	3.64	ppbv	#	93
41) Toluene	13.80	91	253250	1.74	ppbv		98
45) 2-Hexanone	14.59	43	18919	0.61	ppbv		90
50) Ethylbenzene	15.80	91	102819	0.66	ppbv		94
51) m,p-Xylene	15.95	91	132242	1.10	ppbv		93
52) o-Xylene	16.55	91	74444	0.63	ppbv	#	92
58) 1,3,5-Trimethylbenzene	17.86	105	70973	0.61	ppbv	#	81
66) Naphthalene	23.74	128	30314	0.70	ppbv	#	95

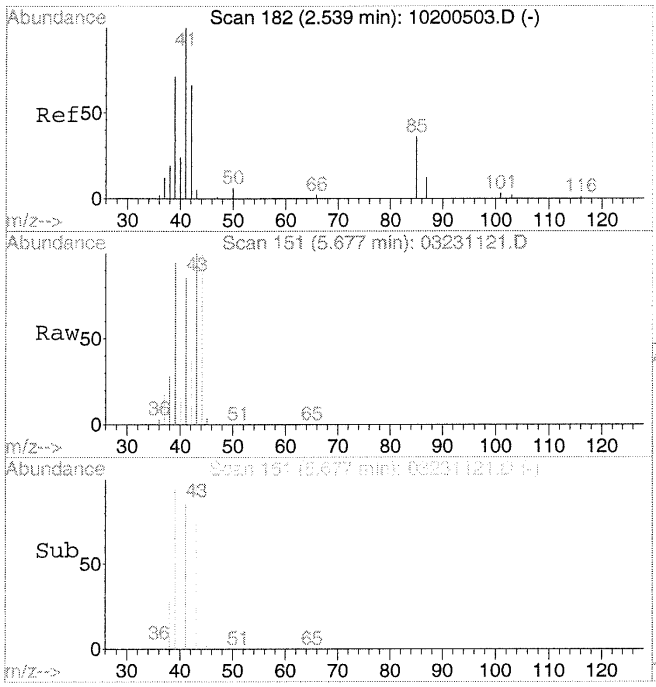
(#) = qualifier out of range (m) = manual integration
03231121.D 031611V1.M Wed Apr 13 18:22:39 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\032311\03231121.D Vial: 26
Acq On : 24 Mar 2011 3:08 am Operator: Michael Truchan
Sample : 1103120-014A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: CLME.P
Quant Time: Mar 24 4:34 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

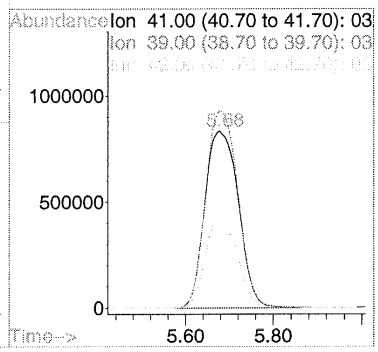


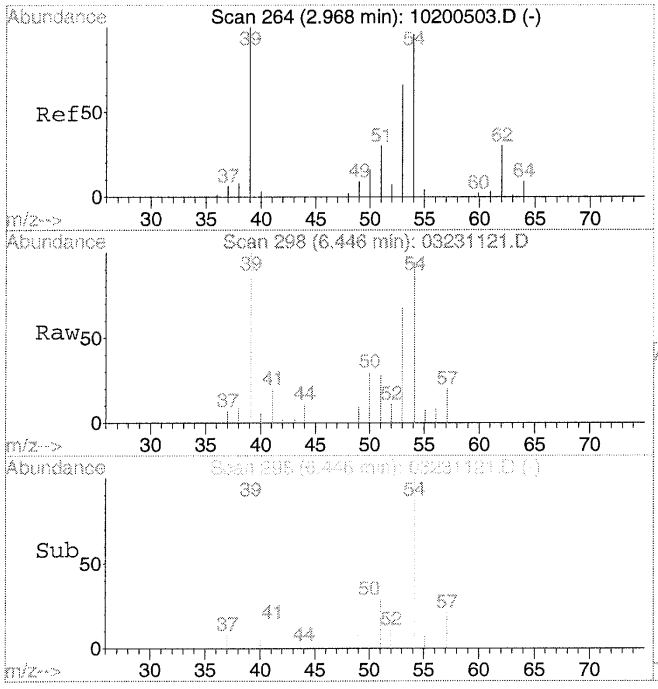


#2
Propylene
Concen: 115.68 ppbv
RT: 5.68 min Scan# 151
Delta R.T. -0.00 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 41 Resp: 4468164

Ion	Ratio	Lower	Upper
41	100		
39	106.9	57.6	86.4#
42	47.6	54.0	81.0#

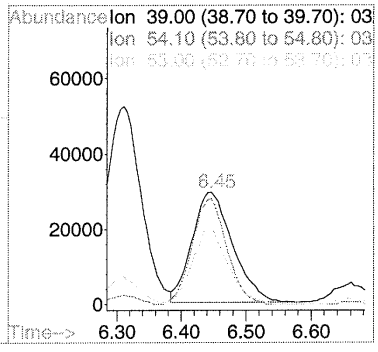


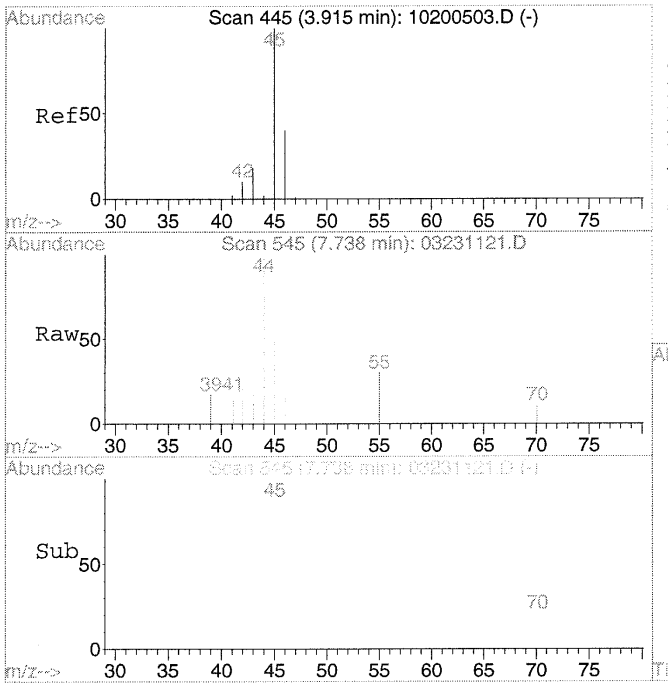


#7
1,3-Butadiene
Concen: 3.28 ppbv
RT: 6.45 min Scan# 298
Delta R.T. 0.01 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 39 Resp: 127964

Ion	Ratio	Lower	Upper
39	100		
54	82.1	79.4	119.0
53	61.2	53.2	79.8

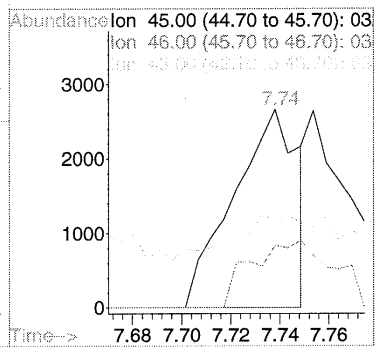


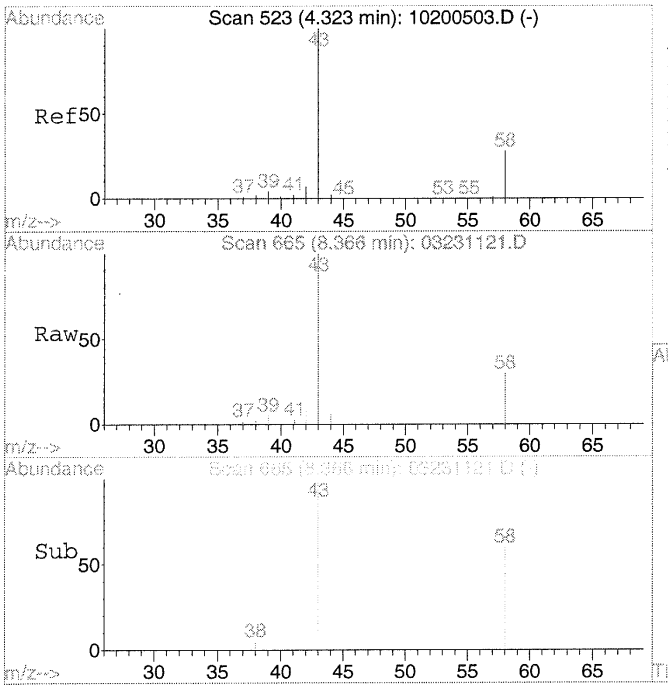


#11
Ethanol
Concen: 0.57 ppbv
RT: 7.74 min Scan# 545
Delta R.T. 0.01 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 45 Resp: 4854

Ion	Ratio	Lower	Upper
45	100		
46	43.2	30.2	45.4
43	0.0	15.8	23.6#

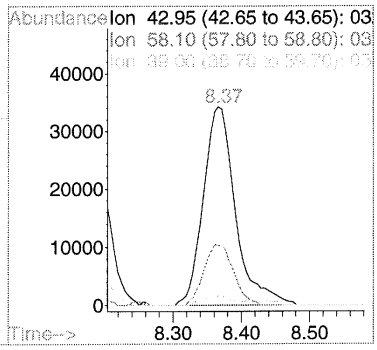


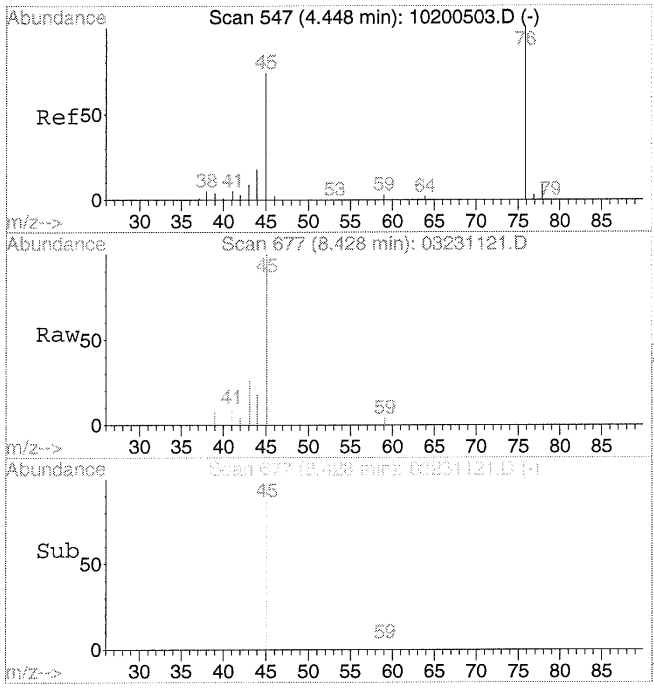


#14
Acetone
Concen: 1.76 ppbv
RT: 8.37 min Scan# 665
Delta R.T. 0.01 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 43 Resp: 111826

Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.0	33.0
39	4.4	6.5	9.7#

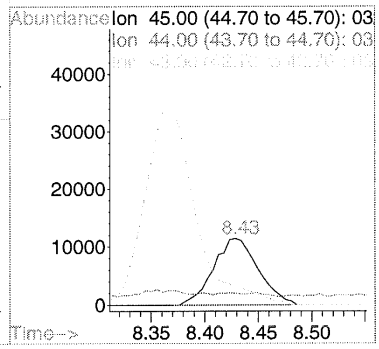


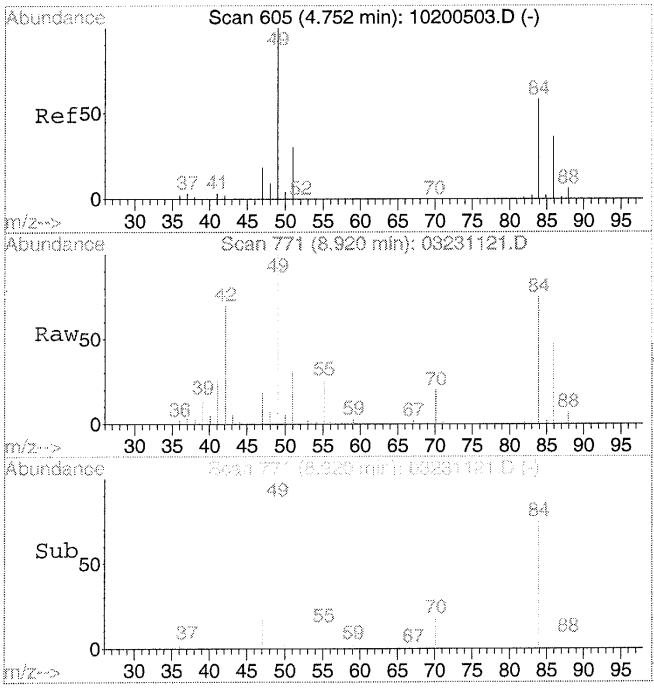


#16
2-Propanol
Concen: 0.73 ppbv
RT: 8.43 min Scan# 677
Delta R.T. 0.03 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 45 Resp: 33261

Ion	Ratio	Lower	Upper
45	100		
44	1.7	5.2	7.8#
43	0.0	101.1	151.7#

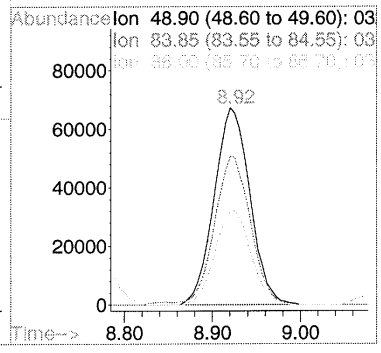


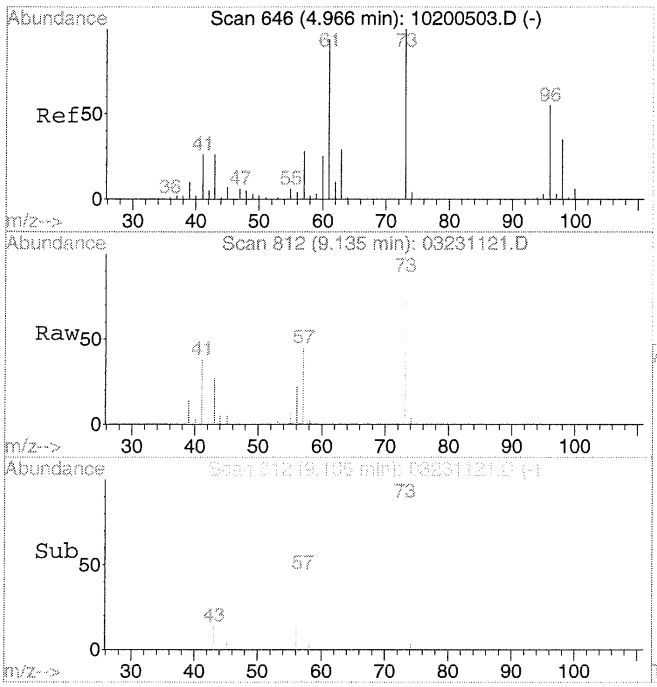


#17
Methylene chloride
Concen: 3.66 ppbv
RT: 8.92 min Scan# 771
Delta R.T. -0.00 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 49 Resp: 189989

Ion	Ratio	Lower	Upper
49	100		
84	75.6	65.4	98.2
86	47.7	42.3	63.5

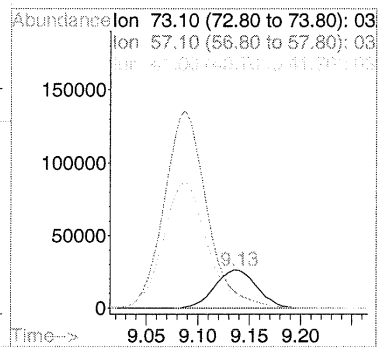


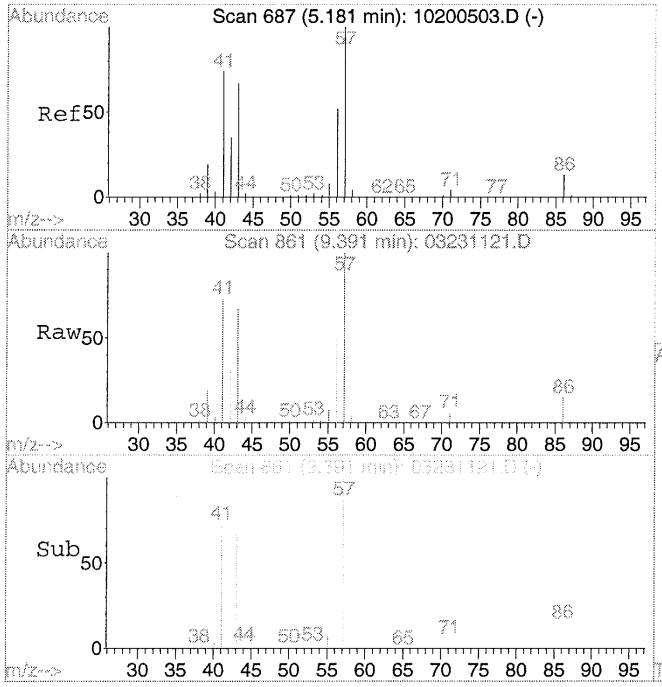


#18
tert-Butyl Methyl Ether
Concen: 0.64 ppbv
RT: 9.13 min Scan# 812
Delta R.T. 0.01 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 73 Resp: 75549

Ion	Ratio	Lower	Upper
73	100		
57	516.3	18.5	27.7#
41	350.8	17.3	25.9#

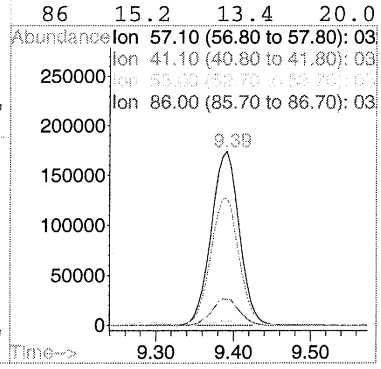


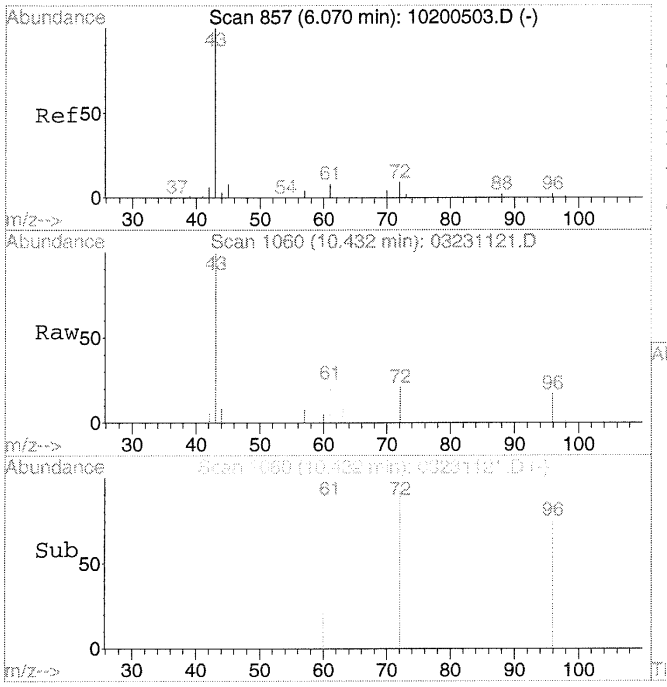


#20
n-Hexane
Concen: 5.84 ppbv
RT: 9.39 min Scan# 861
Delta R.T. -0.00 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 57 Resp: 439516

Ion	Ratio	Lower	Upper
57	100		
41	74.7	57.2	85.8
53	2.4	1.8	2.8
86	15.2	13.4	20.0

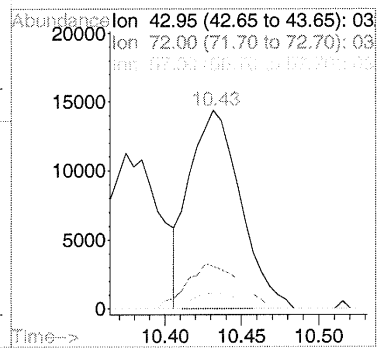


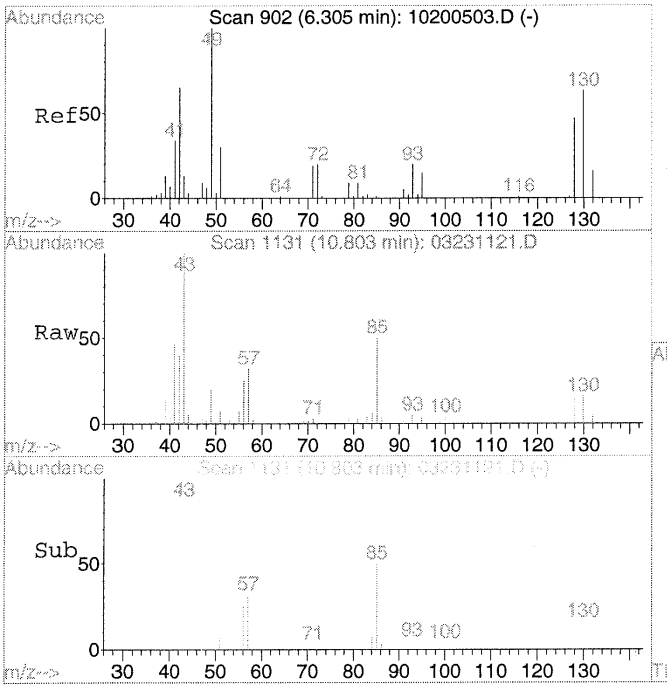


#24
2-Butanone
Concen: 0.51 ppbv
RT: 10.43 min Scan# 1060
Delta R.T. 0.01 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 43 Resp: 33448

Ion	Ratio	Lower	Upper
43	100		
72	23.1	23.4	35.2#
57	6.8	6.9	10.3#

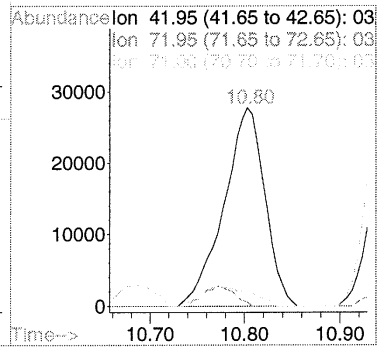


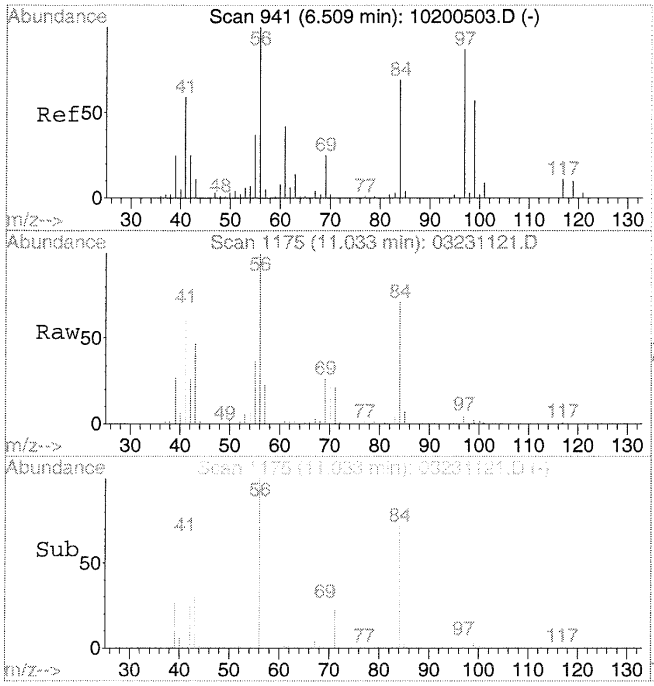


#26
Tetrahydrofuran
Concen: 1.93 ppbv
RT: 10.80 min Scan# 1131
Delta R.T. 0.05 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 42 Resp: 82706

Ion	Ratio	Lower	Upper
42	100		
72	7.8	35.0	52.6#
71	11.9	31.9	47.9#

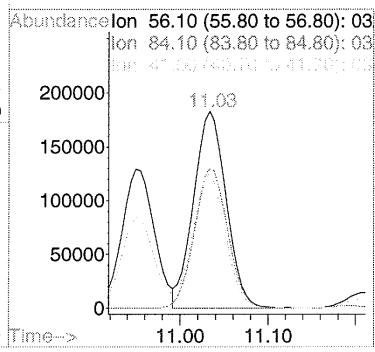


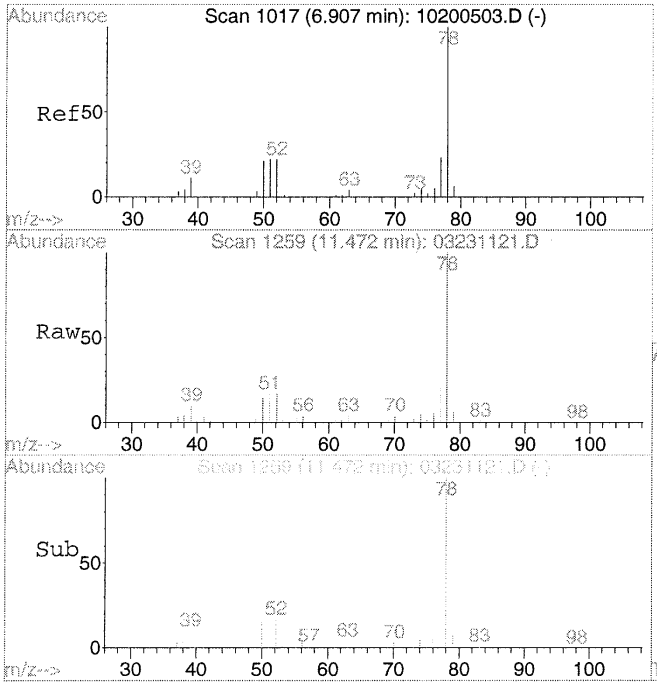


#29
Cyclohexane
Concen: 6.17 ppbv
RT: 11.03 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 56 Resp: 470202

Ion	Ratio	Lower	Upper
56	100		
84	72.2	72.4	108.6#
41	68.7	43.8	65.8#

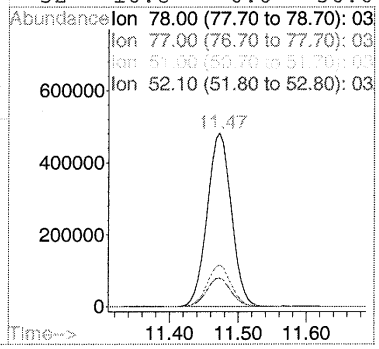


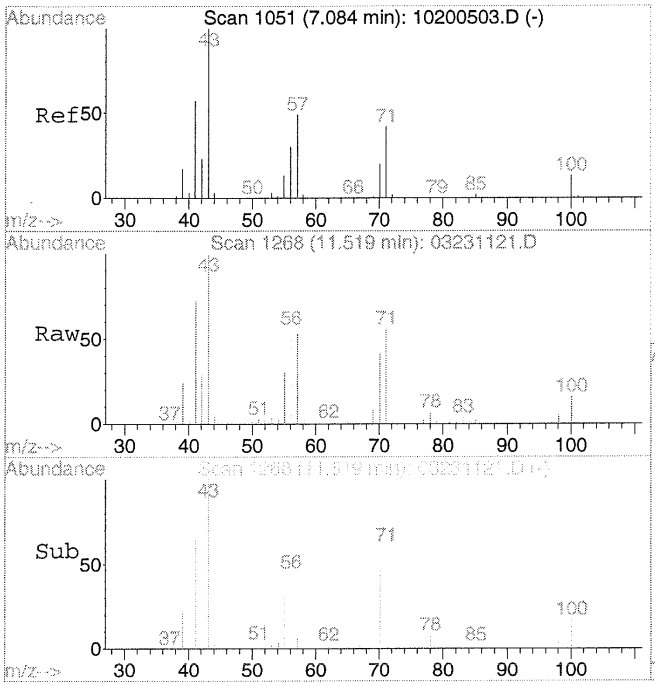


#31
Benzene
Concen: 9.29 ppbv
RT: 11.47 min Scan# 1259
Delta R.T. 0.00 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 78 Resp: 1183110

Ion	Ratio	Lower	Upper
78	100		
77	23.9	3.7	43.7
51	17.8	0.0	36.1
52	16.8	0.0	36.0

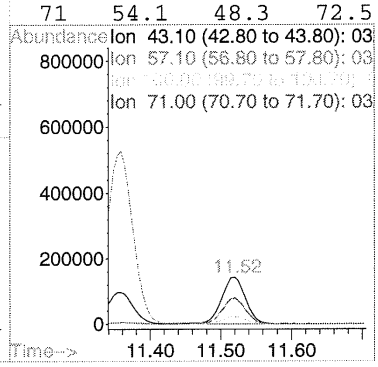


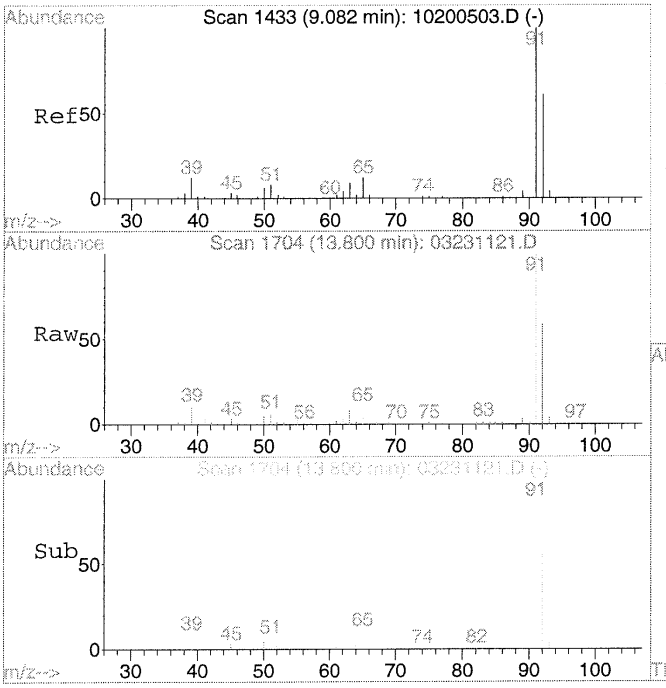


#34
Heptane
Concen: 3.64 ppbv
RT: 11.52 min Scan# 1268
Delta R.T. -0.00 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 43 Resp: 339550

Ion	Ratio	Lower	Upper
43	100		
57	55.6	42.2	63.4
100	15.1	17.3	25.9#
71	54.1	48.3	72.5

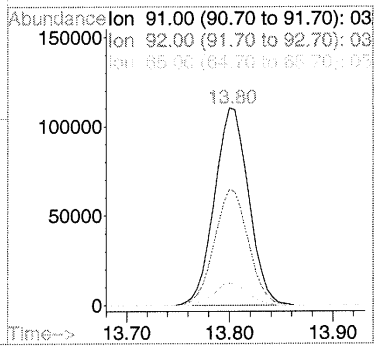


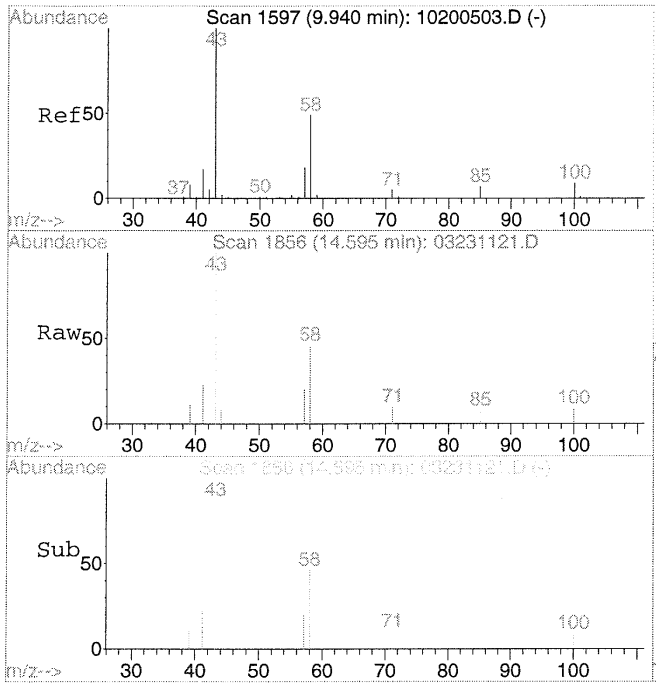


#41
Toluene
Concen: 1.74 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 91 Resp: 253250

Ion	Ratio	Lower	Upper
91	100		
92	58.3	40.5	80.5
65	11.3	0.0	31.2

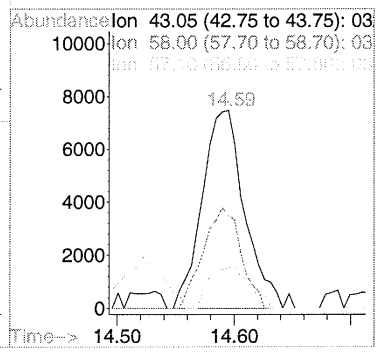


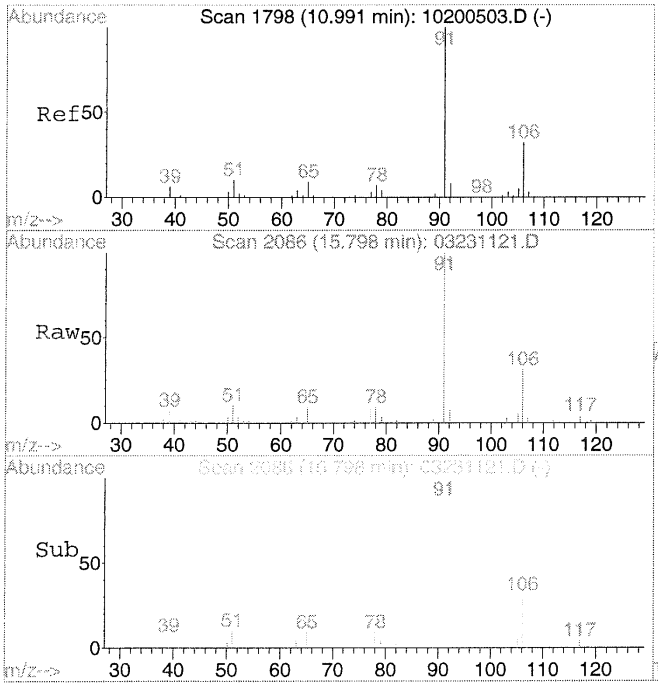


#45
2-Hexanone
Concen: 0.61 ppbv
RT: 14.59 min Scan# 1856
Delta R.T. 0.01 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 43 Resp: 18919

Ion	Ratio	Lower	Upper
43	100		
58	45.1	33.8	73.8
57	20.1	0.0	38.6

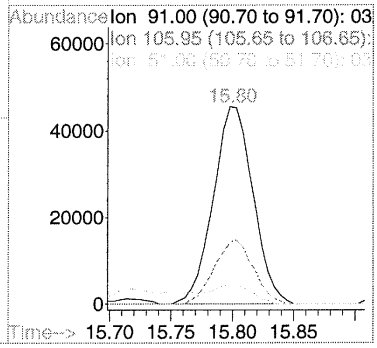


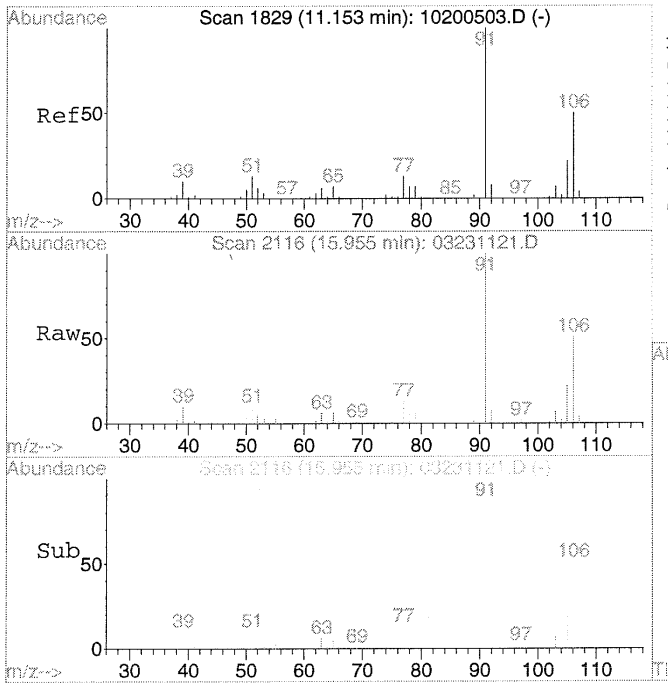


#50
Ethylbenzene
Concen: 0.66 ppbv
RT: 15.80 min Scan# 2086
Delta R.T. -0.00 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 91 Resp: 102819

Ion	Ratio	Lower	Upper
91	100		
106	31.8	14.9	54.9
51	9.5	0.0	33.1

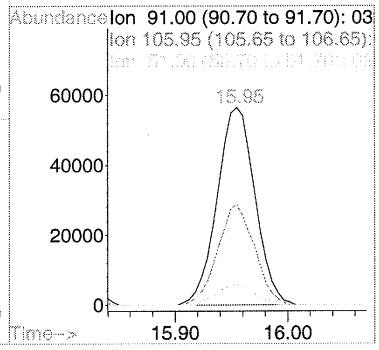


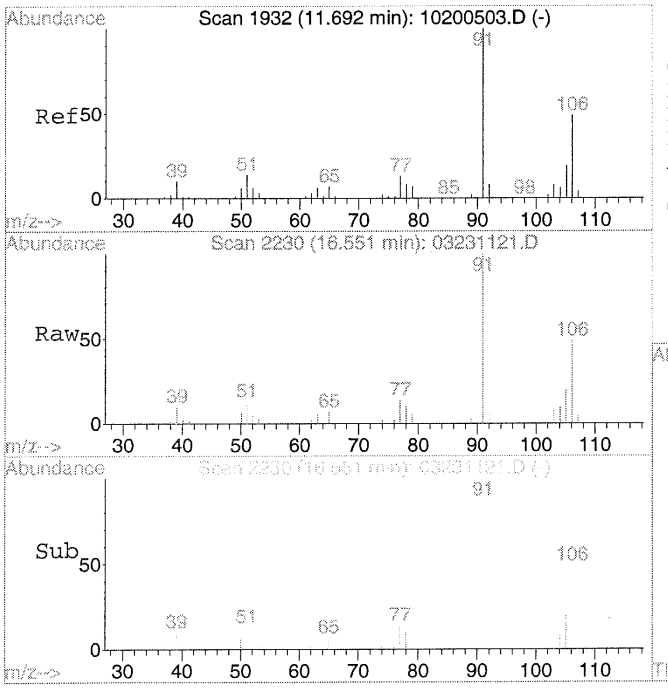


#51
m,p-Xylene
Concen: 1.10 ppbv
RT: 15.95 min Scan# 2116
Delta R.T. -0.00 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 91 Resp: 132242

Ion	Ratio	Lower	Upper
91	100		
106	49.5	35.6	75.6
51	10.2	0.0	29.6

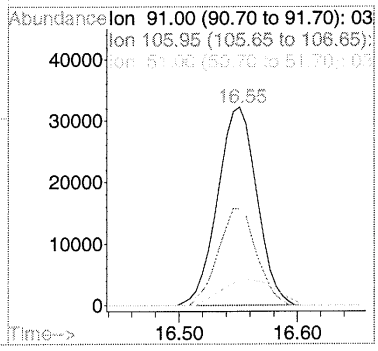


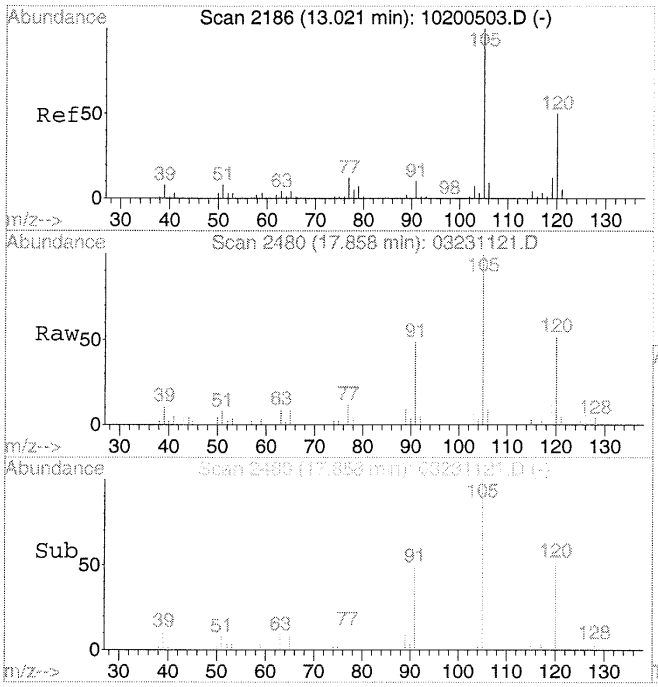


#52
o-Xylene
Concen: 0.63 ppbv
RT: 16.55 min Scan# 2230
Delta R.T. 0.00 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion: 91 Resp: 74444

Ion	Ratio	Lower	Upper
91	100		
106	47.7	41.0	61.6
51	17.9	19.7	29.5#

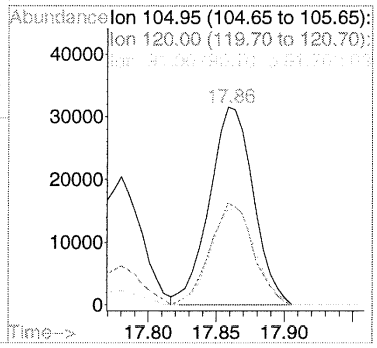


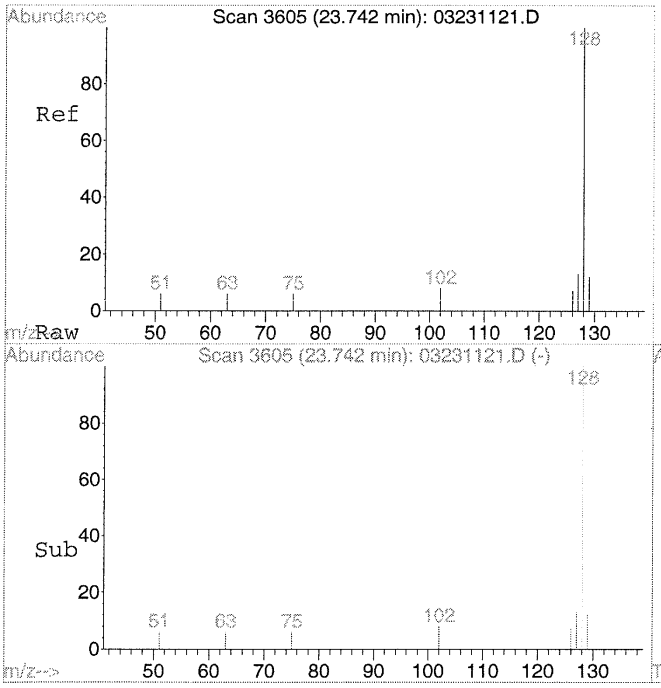


#58
1,3,5-Trimethylbenzene
Concen: 0.61 ppbv
RT: 17.86 min Scan# 2480
Delta R.T. -0.00 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion:105 Resp: 70973

Ion	Ratio	Lower	Upper
105	100		
120	50.6	32.1	72.1
91	49.8	0.0	30.4#

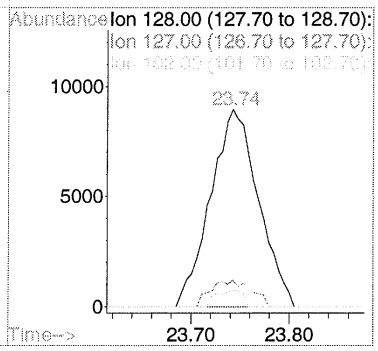




#66
Naphthalene
Concen: 0.70 ppbv
RT: 23.74 min Scan# 3605
Delta R.T. -0.01 min
Lab File: 03231121.D
Acq: 24 Mar 2011 3:08 am

Tgt Ion:128 Resp: 30314

Ion	Ratio	Lower	Upper
128	100		
127	11.4	9.8	14.6
102	4.6	6.3	9.5#



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\032311\03231121.D Vial: 26
Acq On : 24 Mar 2011 3:08 am Operator: Michael Truchan
Sample : 1103120-014A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

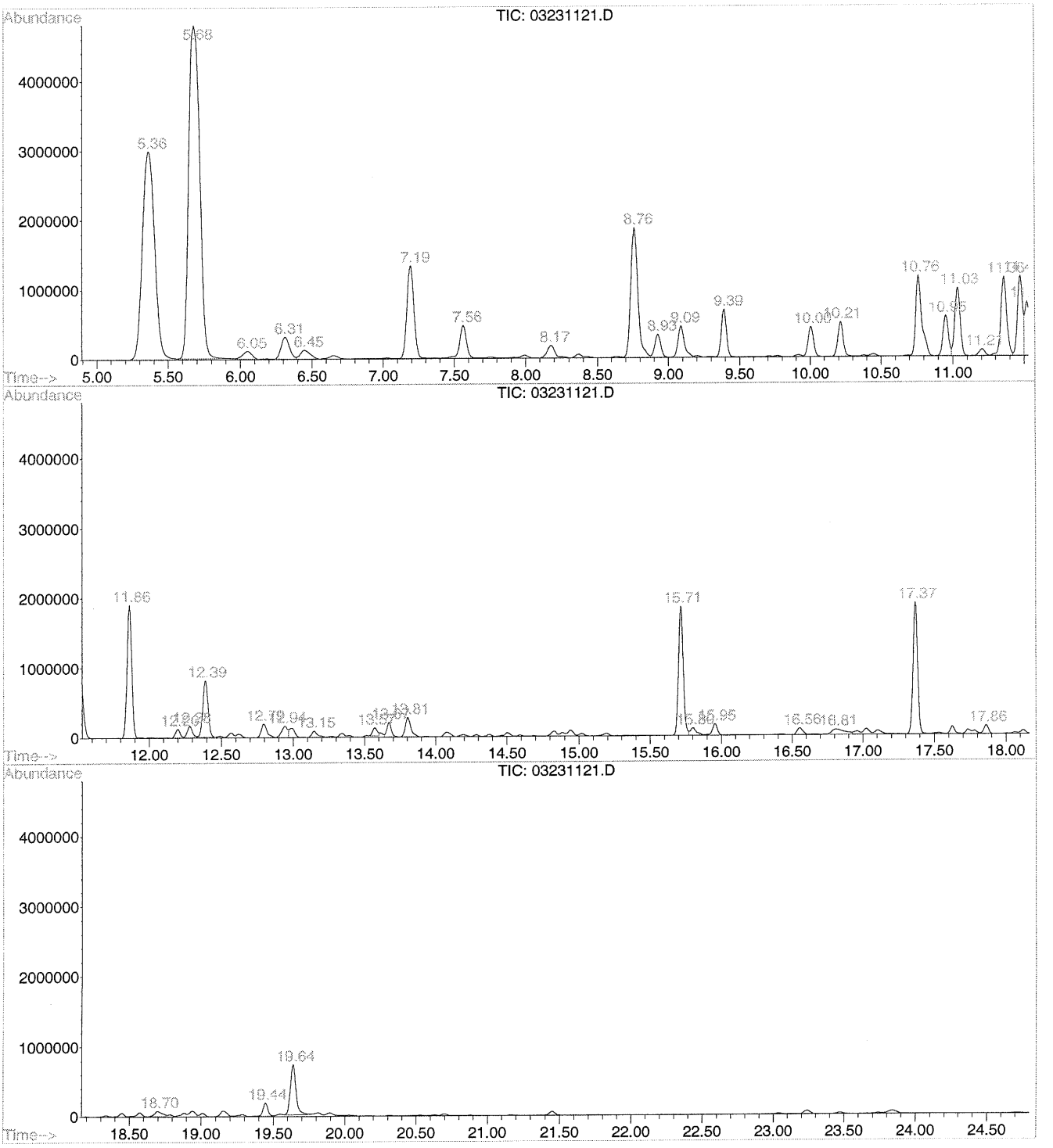
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.358	60	90	131	rBV	2992862	17929951	70.97%	17.249%
2	5.677	131	151	185	rBV	4788653	25265352	100.00%	24.306%
3	6.049	206	222	239	rVB4	109410	486347	1.92%	0.468%
4	6.310	257	272	287	rBV2	315684	1270077	5.03%	1.222%
5	6.446	287	298	319	rVV5	124090	592050	2.34%	0.570%
6	7.194	424	441	466	rBV	1336822	4621361	18.29%	4.446%
7	7.560	481	511	530	rBV	469644	1549833	6.13%	1.491%
8	8.172	613	628	641	rBV4	177807	637889	2.52%	0.614%
9	8.758	725	740	762	rVV2	1870804	6525853	25.83%	6.278%
10	8.925	762	772	786	rVV2	332124	974189	3.86%	0.937%
11	9.087	789	803	820	rVV2	451418	1408140	5.57%	1.355%
12	9.391	849	861	875	rVB	686530	1719102	6.80%	1.654%
13	10.003	968	978	996	rVB	433235	1156300	4.58%	1.112%
14	10.212	1006	1018	1035	rBV	499511	1334822	5.28%	1.284%
15	10.761	1112	1123	1145	rVB2	1166699	3485636	13.80%	3.353%
16	10.949	1147	1159	1167	rVV	582966	1518500	6.01%	1.461%
17	11.033	1167	1175	1192	rVB	985733	2520184	9.97%	2.425%
18	11.206	1197	1208	1217	rBV3	97570	277175	1.10%	0.267%
19	11.357	1217	1237	1249	rVV	1143098	3304112	13.08%	3.179%
20	11.472	1249	1259	1264	rVV	1156614	2945973	11.66%	2.834%
21	11.519	1265	1268	1283	rVB3	783267	1638581	6.49%	1.576%
22	11.859	1321	1333	1355	rBV	1904220	4326292	17.12%	4.162%
23	12.199	1388	1398	1406	rBV2	123563	286462	1.13%	0.276%
24	12.283	1406	1414	1423	rVV2	161582	402665	1.59%	0.387%
25	12.388	1424	1434	1449	rVB	808486	2022819	8.01%	1.946%
26	12.790	1501	1511	1528	rBV5	194865	564551	2.23%	0.543%
27	12.942	1528	1540	1545	rBV3	163124	483994	1.92%	0.466%
28	13.146	1568	1579	1595	rBV	87924	265258	1.05%	0.255%
29	13.570	1652	1660	1666	rBV3	113763	271947	1.08%	0.262%
30	13.669	1673	1679	1693	rVB	209157	460973	1.82%	0.443%
31	13.805	1693	1705	1723	rVB	278720	766777	3.03%	0.738%
32	15.714	2057	2070	2081	rBV	1853703	4278589	16.93%	4.116%
33	15.803	2081	2087	2101	rVB	103061	298489	1.18%	0.287%
34	15.955	2108	2116	2126	rVB	163438	383387	1.52%	0.369%
35	16.556	2221	2231	2241	rBV3	95473	262061	1.04%	0.252%
36	16.812	2261	2280	2301	rBV4	78302	486045	1.92%	0.468%
37	17.367	2373	2386	2402	rBV	1888948	4247013	16.81%	4.086%
38	17.858	2472	2480	2491	rVB2	121825	270289	1.07%	0.260%
39	18.695	2626	2640	2653	rBV5	76078	303929	1.20%	0.292%
40	19.443	2771	2783	2794	rBV2	188828	439086	1.74%	0.422%
41	19.637	2809	2820	2844	rVV	718486	1963288	7.77%	1.889%

Sum of corrected areas: 103945341

03231121.D 031611V1.M Wed Apr 13 18:22:45 2011

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\032311\03231121.D
Operator : Michael Truchan
Acquired : 24 Mar 2011 3:08 am using AcqMethod 031611V1
Instrument : GC/MS Ins
Sample Name: 1103120-014A
Misc Info : SAMP EPA_TO15-ug/m3
Vial Number: 26
Quant File :031611V1.RES (RTE Integrator)



03231121.D 031611V1.M Wed Apr 13 18:22:46 2011

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231121.D Vial: 26
Acq On : 24 Mar 2011 3:08 am Operator: Michael Truchan
Sample : 1103120-014A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.36	64.30 ppbv	17930000	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide $$ Carbon oxide (CO2	44	CO2	000124-38-9	4
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Ethylene oxide	44	C2H4O	000075-21-8	3
5	Acetaldehyde	44	C2H4O	000075-07-0	3

****

Peak Number 2 Isobutane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	1.74 ppbv	486347	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	45
2	Isobutane	58	C4H10	000075-28-5	40
3	Isobutane $$ Propane, 2-methyl- $$	58	C4H10	000075-28-5	7
4	Cyclobutylamine	71	C4H9N	002516-34-9	4
5	Ethane-1,2-diimine, N,N'-diamino-	86	C2H6N4	000000-00-0	4

****

Peak Number 3 1-Propene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	4.55 ppbv	1270080	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
3	1-Butene	56	C4H8	000106-98-9	87
4	1-Butene	56	C4H8	000106-98-9	87
5	1-Butene	56	C4H8	000106-98-9	87

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231121.D Vial: 26
Acq On : 24 Mar 2011 3:08 am Operator: Michael Truchan
Sample : 1103120-014A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 4 Butane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	16.57 ppbv	4621360	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2	Butane, 2-methyl-	72	C5H12	000078-78-4	87
3	3-Buten-1-ol	72	C4H8O	000627-27-0	47
4	Oxirane, trimethyl- $$ Butane, 2,3-	86	C5H10O	005076-19-7	36
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	9

****

Peak Number 5 Pentane $$ n-Pentane $$ Skelly Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	5.56 ppbv	1549830	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane $$ n-Pentane $$ Skellysolve	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	64
4	Oxirane, ethyl-	72	C4H8O	000106-88-7	50
5	Butane, 2-methyl-	72	C5H12	000078-78-4	45

****

Peak Number 6 Butane, 2,2-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	2.29 ppbv	637889	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
2	Butane, 2,2-dimethyl- $$ Neohexane	86	C6H14	000075-83-2	53
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
4	Nonane, 3,7-dimethyl- $$ 3,7-Dimeth	156	C11H24	017302-32-8	42
5	Heptane, 3-ethyl-5-methyl- $$ 3-Eth	142	C10H22	052896-90-9	42

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231121.D Vial: 26
Acq On : 24 Mar 2011 3:08 am Operator: Michael Truchan
Sample : 1103120-014A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 7 Pentane, 2-methyl- $$ Isohexan Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	23.40 ppbv	6525850	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl- $$ Isohexane $$	86	C6H14	000107-83-5	86
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80

****

Peak Number 8 Pentane, 2,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	4.15 ppbv	1156300	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl- $$ 2,4-Dimet	100	C7H16	000108-08-7	91
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	87
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59

****

Peak Number 9 Cyclopentane, methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	4.79 ppbv	1334820	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl- $$ Methylcycl	84	C6H12	000096-37-7	90
3	1H-Tetrazole, 5-methyl- $$ 5-Methyl	84	C2H4N4	004076-36-2	80
4	Cyclobutane, ethyl- $$ Ethylcyclobu	84	C6H12	004806-61-5	64
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	53

Data File : C:\HPCHEM\1\DATA\032311\03231121.D Vial: 26
Acq On : 24 Mar 2011 3:08 am Operator: Michael Truchan
Sample : 1103120-014A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 10 Pentane, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	5.45 ppbv	1518500	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
2	Pentane, 2,3-dimethyl- $$ 2,3-Dimet	100	C7H16	000565-59-3	95
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91

****

Peak Number 11 Cyclopentane, 1,1-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	0.99 ppbv	277175	Bromochloromethane	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	58
2	Cyclopentane, 1,1-dimethyl- $$ Gem-	98	C7H14	001638-26-2	52
3	4-Pentenal, 2-methyl-	98	C6H10O	005187-71-3	47
4	1-Heptene, 6-methyl- $$ 6-Methyl-1-	112	C8H16	005026-76-6	38
5	Cyclopentane, 1,1,2-trimethyl- $$ C	112	C8H16	004259-00-1	37

****

Peak Number 12 Hexane, 2,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	9.55 ppbv	3304110	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\032311\03231121.D Vial: 26
Acq On : 24 Mar 2011 3:08 am Operator: Michael Truchan
Sample : 1103120-014A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 13 Hexane, 2,4-dimethyl- $$ 2,4-D Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	1.16 ppbv	402665	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl- $$ 2,4-Dimeth	114	C8H18	000589-43-5	55
2	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	47
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	46
4	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	43
5	Butane, 2,2,3-trimethyl- $$ Triptan	100	C7H16	000464-06-2	43

****

Peak Number 14 Cyclohexane, methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	5.84 ppbv	2022820	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
4	Cyclohexane, methyl- $$ Cyclohexylm	98	C7H14	000108-87-2	80
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	78

****

Peak Number 15 Pentane, 2,3,4-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	1.63 ppbv	564551	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
2	Pentane, 2,3,4-trimethyl- $$ 2,3,4-	114	C8H18	000565-75-3	59
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
4	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	53
5	1-Hexene, 4,5-dimethyl- $$ 4,5-Dime	112	C8H16	016106-59-5	50

Data File : C:\HPCHEM\1\DATA\032311\03231121.D Vial: 26
Acq On : 24 Mar 2011 3:08 am Operator: Michael Truchan
Sample : 1103120-014A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 16 Heptane, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	1.40 ppbv	483994	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
2	Heptane, 2-methyl- $$ 2-Methylhepta	114	C8H18	000592-27-8	80
3	Hexane, 2,5-dimethyl- $$ Biisobutyl	114	C8H18	000592-13-2	72
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
5	Heptane, 2-methyl-	114	C8H18	000592-27-8	47

****

Peak Number 17 Octane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	1.33 ppbv	460973	1,4-Difluorobenzene	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	83
2	Octane $$ n-Octane $$ n-C8H18 $$ Ok	114	C8H18	000111-65-9	81
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	78
4	Heptane, 2,4-dimethyl- $$ 2,4-Dimet	128	C9H20	002213-23-2	72
5	Octane	114	C8H18	000111-65-9	64

****

Peak Number 18 Acetamide, N,N-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	1.42 ppbv	486045	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N,N-dimethyl-	87	C4H9NO	000127-19-5	90
2	Acetamide, N,N-dimethyl-	87	C4H9NO	000127-19-5	74
3	Acetamide, N,N-dimethyl- $$ Acetdim	87	C4H9NO	000127-19-5	56
4	Urea, trimethyl- $$ N,N,N'-Trimethy	102	C4H10N2O	000632-14-4	42
5	L-Alanine, N-(N-acetyl-L-alanyl)-,	258	C12H22N2O4	055712-39-5	38

Data File : C:\HPCHEM\1\DATA\032311\03231121.D Vial: 26
Acq On : 24 Mar 2011 3:08 am Operator: Michael Truchan
Sample : 1103120-014A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Library : C:\DATABASE\NIST129K.L

****

Peak Number 19 Undecane $$ n-Undecane $$ Hend Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	1.28 ppbv	439086	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane $$ n-Undecane $$ Hendecane	156	C11H24	001120-21-4	87
2	Undecane	156	C11H24	001120-21-4	87
3	Undecane	156	C11H24	001120-21-4	83
4	Tridecane $$ n-Tridecane $$ Trideca	184	C13H28	000629-50-5	83
5	Tridecane	184	C13H28	000629-50-5	64

****

Peak Number 20 Phenol $$ Baker's P and S Liqu Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	5.74 ppbv	1963290	Chlorobenzene-d5	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol $$ Baker's P and S Liquid an	94	C6H6O	000108-95-2	96
2	Phenol	94	C6H6O	000108-95-2	95
3	Phenol	94	C6H6O	000108-95-2	91
4	Phosphonic acid, (p-hydroxyphenyl)-	174	C6H7O4P	033795-18-5	90
5	Phenol	94	C6H6O	000108-95-2	87

Tentatively Identified Compound (LSC) summary

Operator ID: Michael Truchan Date Acquired: 24 Mar 2011 3:08 am
Data File: C:\HPCHEM\1\DATA\032311\03231121.D
Name: 1103120-014A
Misc: SAMP EPA_TO15-ug/m3
Method: C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title: TO15 ppbv
Library Searched: C:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	5.36	64.3	ppbv	17930000	ISTD01	10.76	3485640	12.5
Isobutane	6.05	1.7	ppbv	486347	ISTD01	10.76	3485640	12.5
1-Propene, 2-methyl-	6.31	4.6	ppbv	1270080	ISTD01	10.76	3485640	12.5
Butane, 2-methyl-	7.19	16.6	ppbv	4621360	ISTD01	10.76	3485640	12.5
Pentane $$ n-Pentane	7.56	5.6	ppbv	1549830	ISTD01	10.76	3485640	12.5
Butane, 2,2-dimethyl	8.17	2.3	ppbv	637889	ISTD01	10.76	3485640	12.5
Pentane, 2-methyl- $	8.76	23.4	ppbv	6525850	ISTD01	10.76	3485640	12.5
Pentane, 2,4-dimethy	10.00	4.1	ppbv	1156300	ISTD01	10.76	3485640	12.5
Cyclopentane, methyl	10.21	4.8	ppbv	1334820	ISTD01	10.76	3485640	12.5
Pentane, 2,3-dimethy	10.95	5.4	ppbv	1518500	ISTD01	10.76	3485640	12.5
Cyclopentane, 1,1-di	11.21	1.0	ppbv	277175	ISTD01	10.76	3485640	12.5
Hexane, 2,2-dimethyl	11.36	9.5	ppbv	3304110	ISTD02	11.86	4326290	12.5
Hexane, 2,4-dimethyl	12.28	1.2	ppbv	402665	ISTD02	11.86	4326290	12.5
Cyclohexane, methyl-	12.39	5.8	ppbv	2022820	ISTD02	11.86	4326290	12.5
Pentane, 2,3,4-trime	12.79	1.6	ppbv	564551	ISTD02	11.86	4326290	12.5
Heptane, 2-methyl-	12.94	1.4	ppbv	483994	ISTD02	11.86	4326290	12.5
Octane	13.67	1.3	ppbv	460973	ISTD02	11.86	4326290	12.5
Acetamide, N,N-dimet	16.81	1.4	ppbv	486045	ISTD03	15.71	4278590	12.5
Undecane $$ n-Undeca	19.44	1.3	ppbv	439086	ISTD03	15.71	4278590	12.5
Phenol $$ Baker's P	19.64	5.7	ppbv	1963290	ISTD03	15.71	4278590	12.5

03231121.D 031611V1.M Wed Apr 13 18:22:46 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231122.D Vial: 27
Acq On : 24 Mar 2011 3:56 am Operator: Michael Truchan
Sample : 1103120-014ADUP Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: CLME.P
Quant Time: Mar 24 5:21 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

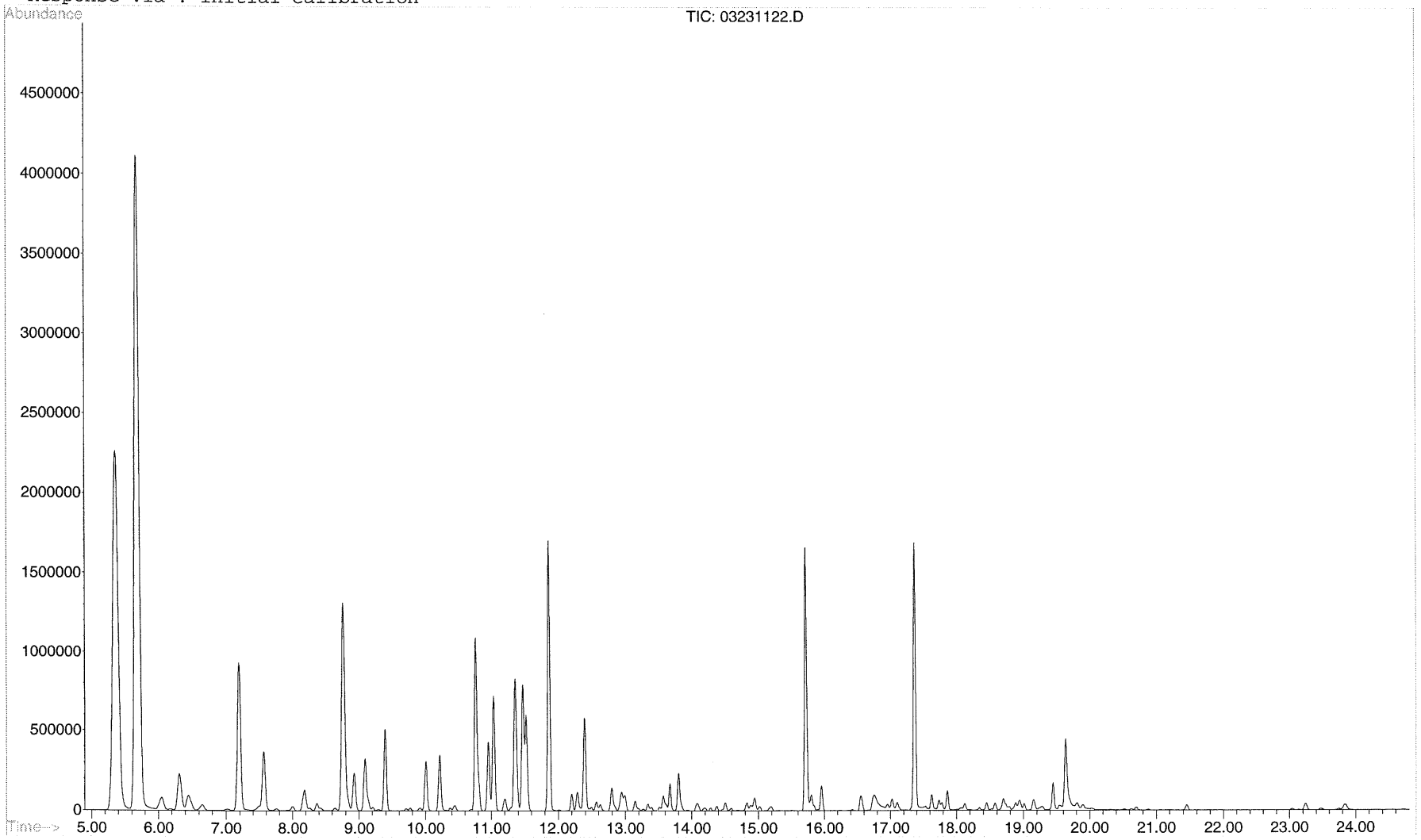
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	487590	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	1735706	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1190820	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	768182	12.87	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 102.96%				
Target Compounds							Qvalue
2) Propylene	5.68	41	3522346	96.37	ppbv	#	68
7) 1,3-Butadiene	6.44	39	99209	2.69	ppbv	#	83
11) Ethanol	7.75	45	9577	1.18	ppbv	#	66
14) Acetone	8.37	43	94623	1.57	ppbv	#	97
16) 2-Propanol	8.43	45	29245	0.68	ppbv	#	1
17) Methylene chloride	8.92	49	139479	2.84	ppbv		92
18) tert-Butyl Methyl Ether	9.14	73	77006	0.69	ppbv	#	1
20) n-Hexane	9.39	57	323559	4.54	ppbv		96
24) 2-Butanone	10.43	43	31647	0.51	ppbv	#	88
26) Tetrahydrofuran	10.80	42	63225	1.56	ppbv	#	52
29) Cyclohexane	11.03	56	338737	4.70	ppbv	#	81
31) Benzene	11.47	78	813445	6.75	ppbv		98
34) Heptane	11.52	43	262102	3.13	ppbv	#	92
41) Toluene	13.80	91	213393	1.63	ppbv		98
45) 2-Hexanone	14.58	43	16194	0.58	ppbv		89
50) Ethylbenzene	15.80	91	98514	0.71	ppbv		94
51) m,p-Xylene	15.96	91	124730	1.16	ppbv		94
52) o-Xylene	16.55	91	73111	0.70	ppbv	#	92
66) Naphthalene	23.75	128	22370	0.58	ppbv	#	86

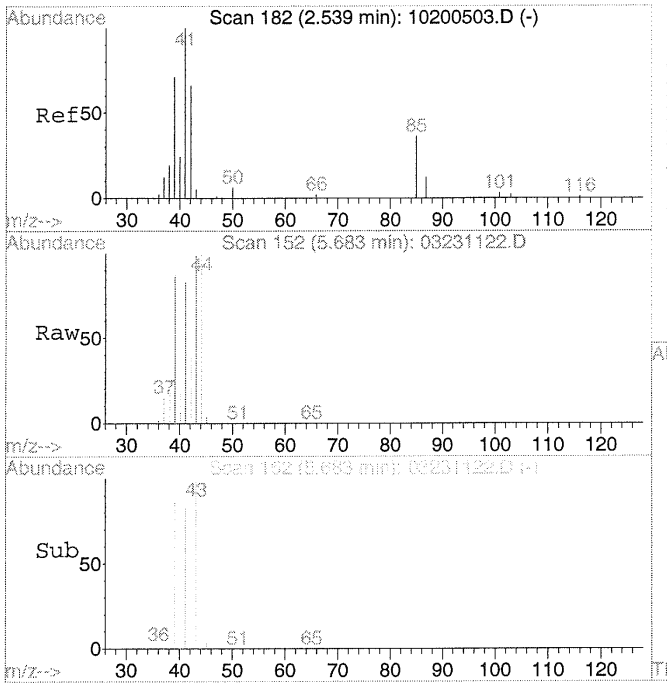
(#) = qualifier out of range (m) = manual integration
03231122.D 031611V1.M Wed Apr 13 18:22:53 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\032311\03231122.D Vial: 27
Acq On : 24 Mar 2011 3:56 am Operator: Michael Truchan
Sample : 1103120-014ADUP Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 800.00
MS Integration Params: CLME.P
Quant Time: Mar 24 5:21 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

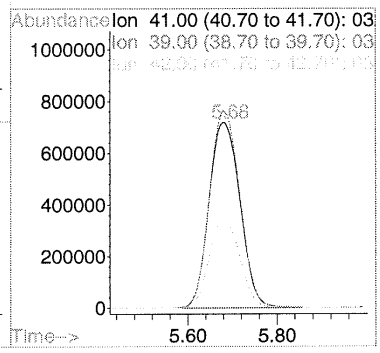


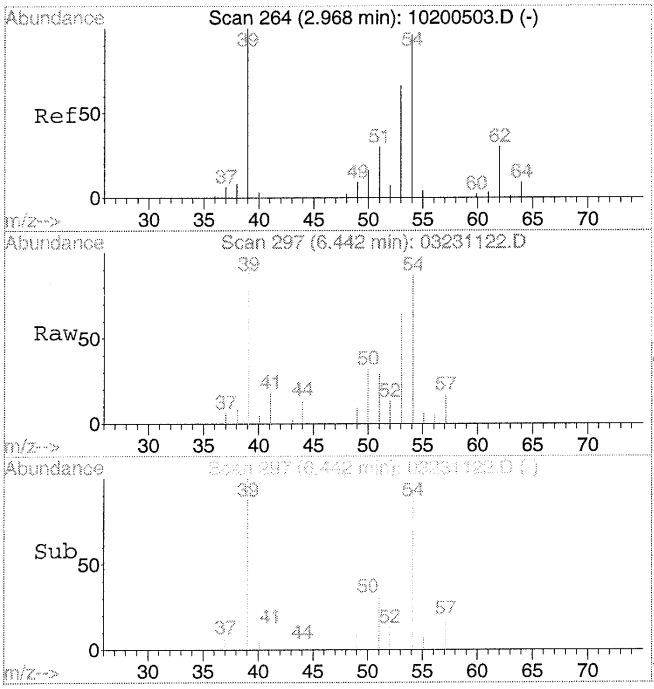


#2
Propylene
Concen: 96.37 ppbv
RT: 5.68 min Scan# 152
Delta R.T. 0.00 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 41 Resp: 3522346

Ion	Ratio	Lower	Upper
41	100		
39	103.9	57.6	86.4#
42	47.4	54.0	81.0#

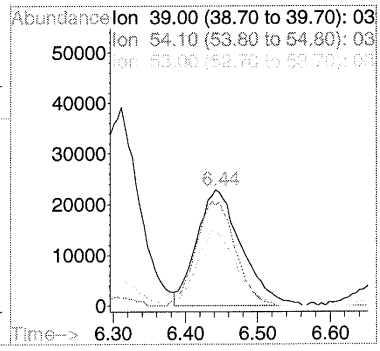


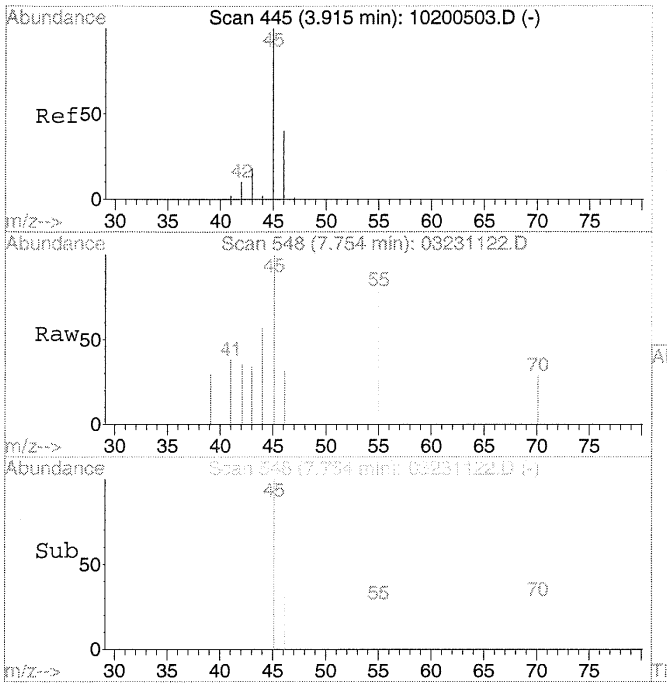


#7
1,3-Butadiene
Concen: 2.69 ppbv
RT: 6.44 min Scan# 297
Delta R.T. 0.00 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 39 Resp: 99209

Ion	Ratio	Lower	Upper
39	100		
54	79.0	79.4	119.0#
53	57.6	53.2	79.8

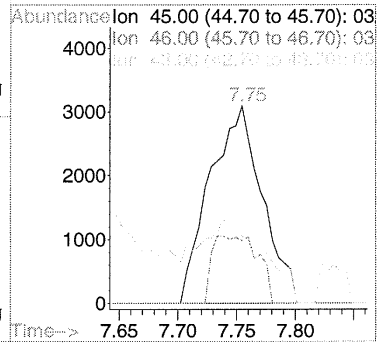


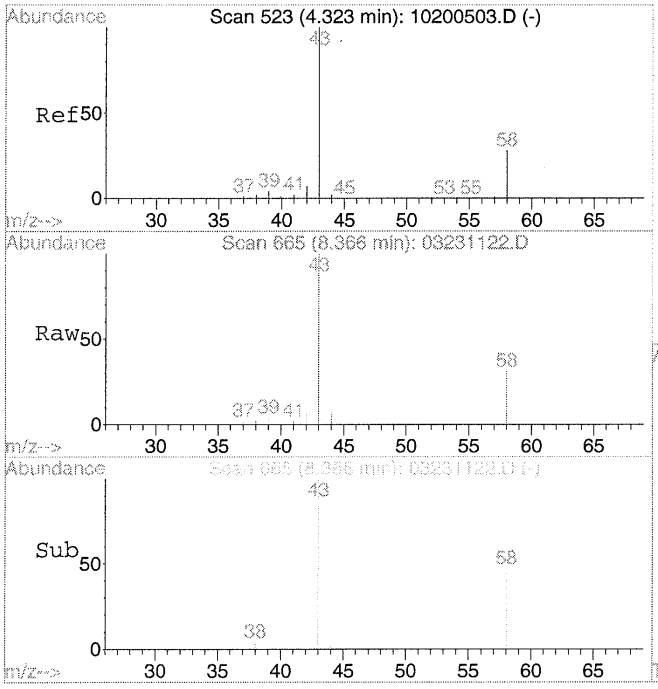


#11
Ethanol
Concen: 1.18 ppbv
RT: 7.75 min Scan# 548
Delta R.T. 0.02 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 45 Resp: 9577

Ion	Ratio	Lower	Upper
45	100		
46	29.7	30.2	45.4#
43	52.6	15.8	23.6#

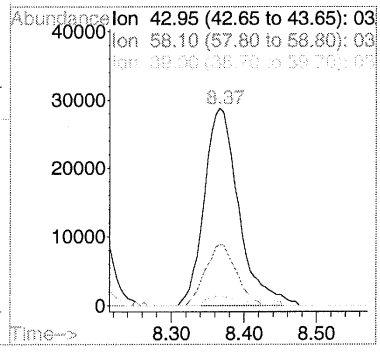


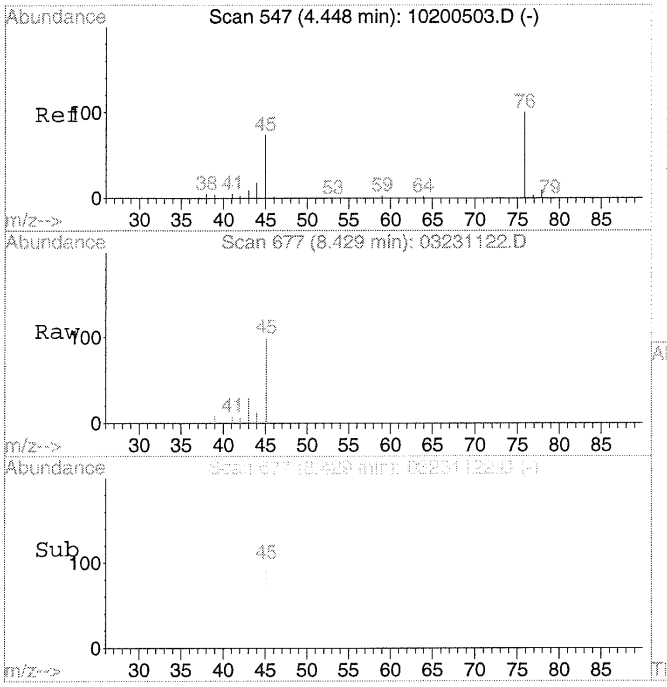


#14
Acetone
Concen: 1.57 ppbv
RT: 8.37 min Scan# 665
Delta R.T. 0.01 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 43 Resp: 94623

Ion	Ratio	Lower	Upper
43	100		
58	27.5	22.0	33.0
39	4.0	6.5	9.7#

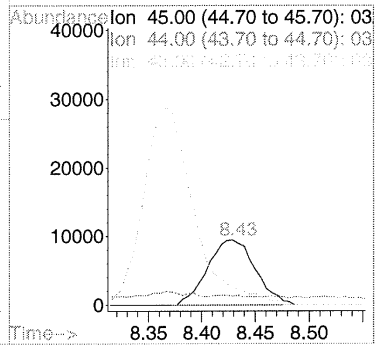


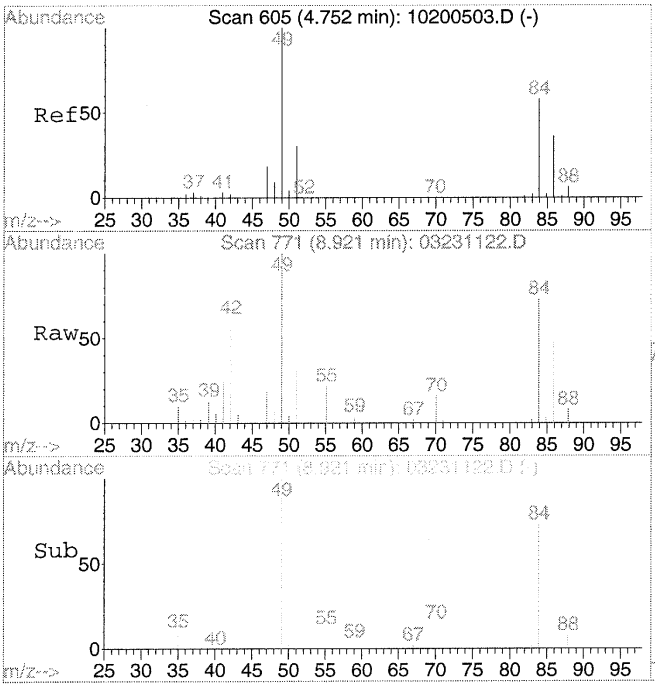


#16
2-Propanol
Concen: 0.68 ppbv
RT: 8.43 min Scan# 677
Delta R.T. 0.03 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 45 Resp: 29245

Ion	Ratio	Lower	Upper
45	100		
44	3.6	5.2	7.8#
43	0.0	101.1	151.7#

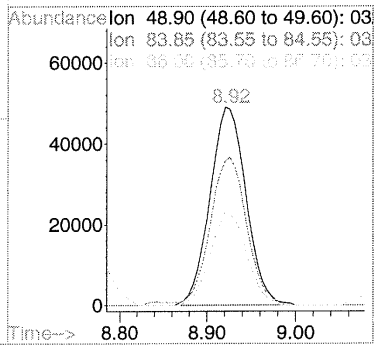


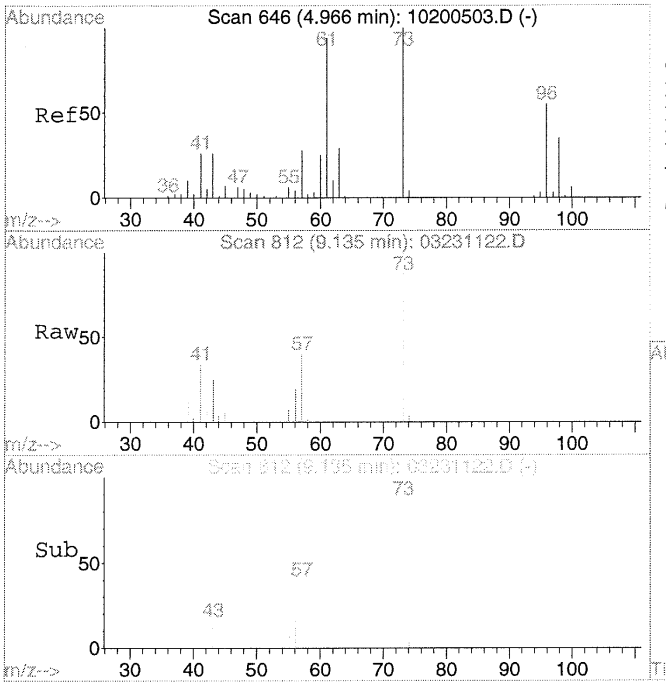


#17
Methylene chloride
Concen: 2.84 ppbv
RT: 8.92 min Scan# 771
Delta R.T. -0.00 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 49 Resp: 139479

Ion	Ratio	Lower	Upper
49	100		
84	75.4	65.4	98.2
86	47.2	42.3	63.5

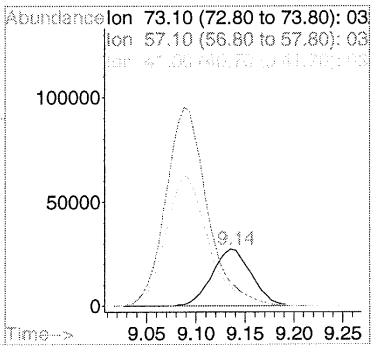


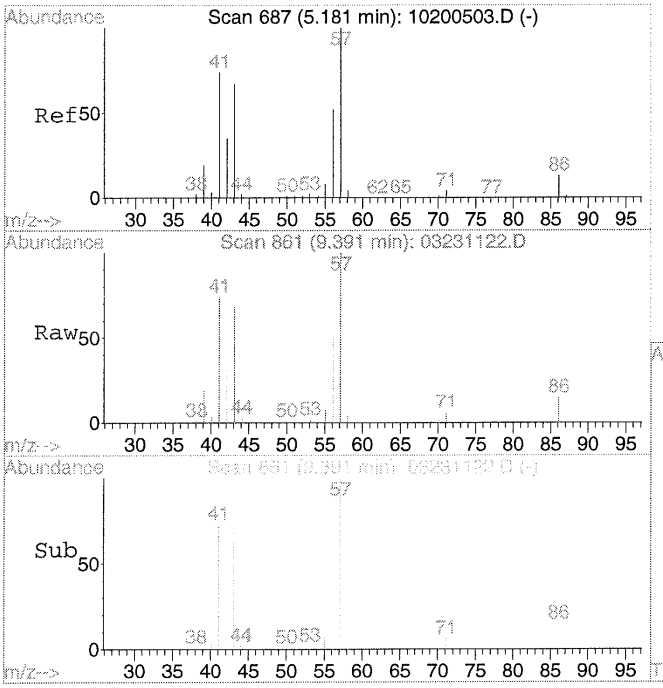


#18
tert-Butyl Methyl Ether
Concen: 0.69 ppbv
RT: 9.14 min Scan# 812
Delta R.T. 0.01 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 73 Resp: 77006

Ion	Ratio	Lower	Upper
73	100		
57	363.1	18.5	27.7#
41	248.7	17.3	25.9#

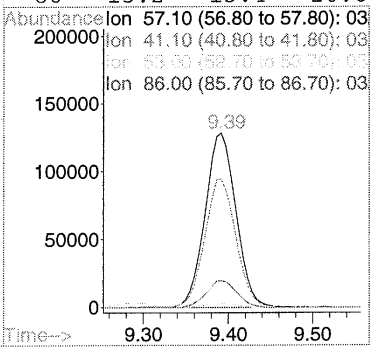


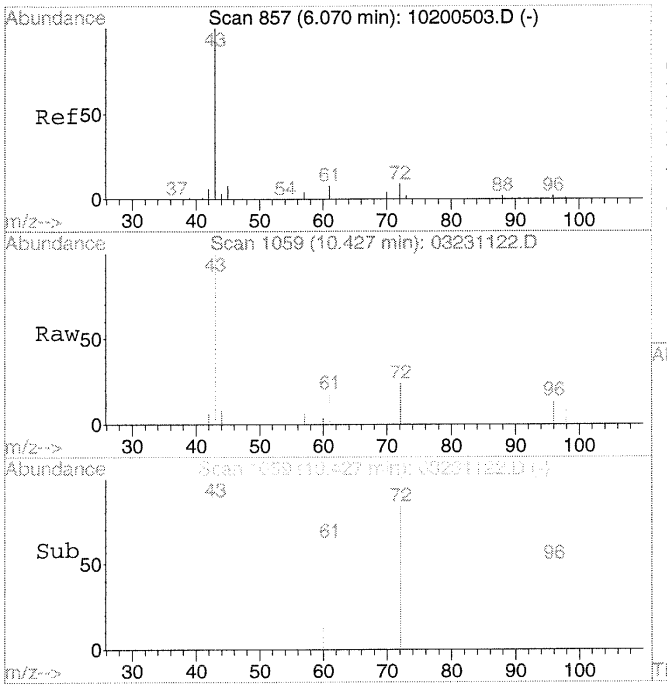


#20
n-Hexane
Concen: 4.54 ppbv
RT: 9.39 min Scan# 861
Delta R.T. -0.00 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 57 Resp: 323559

Ion	Ratio	Lower	Upper
57	100		
41	75.0	57.2	85.8
53	2.4	1.8	2.8
86	15.2	13.4	20.0

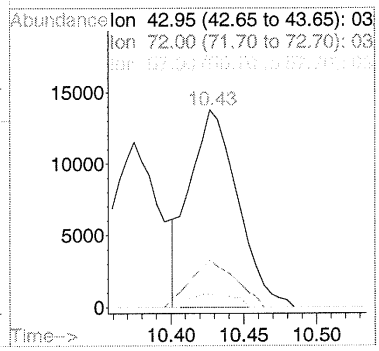


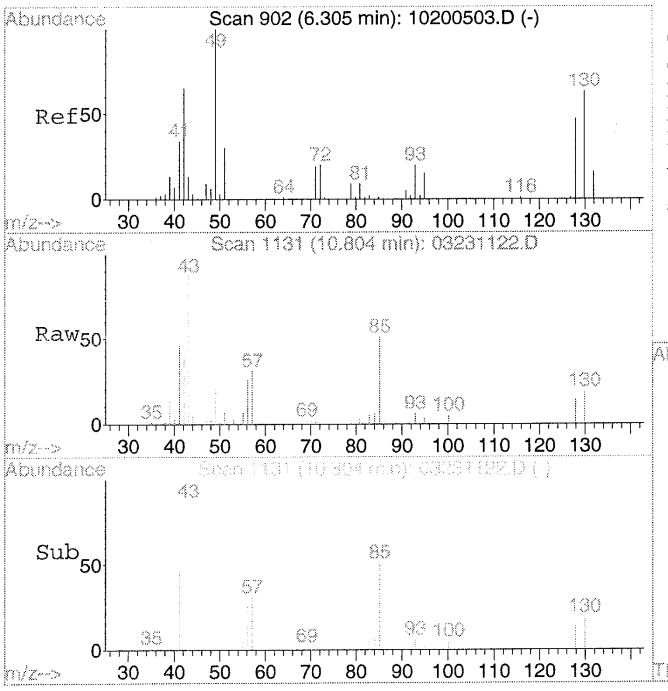


#24
2-Butanone
Concen: 0.51 ppbv
RT: 10.43 min Scan# 1059
Delta R.T. 0.01 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 43 Resp: 31647

Ion	Ratio	Lower	Upper
43	100		
72	22.4	23.4	35.2#
57	6.1	6.9	10.3#

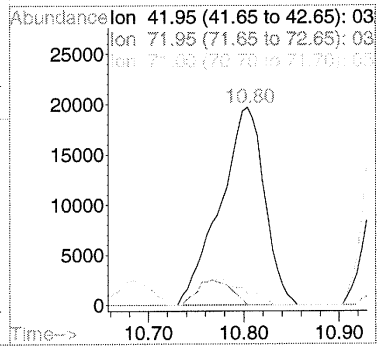


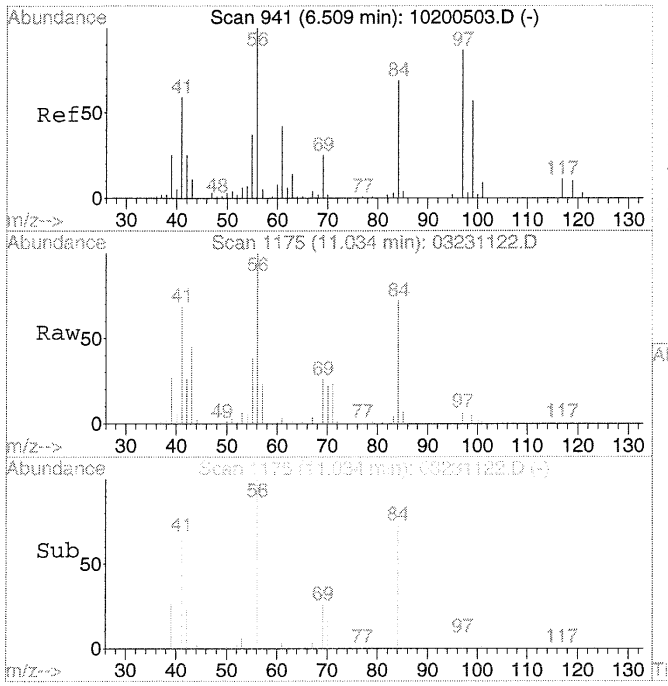


#26
Tetrahydrofuran
Concen: 1.56 ppbv
RT: 10.80 min Scan# 1131
Delta R.T. 0.05 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 42 Resp: 63225

Ion	Ratio	Lower	Upper
42	100		
72	9.8	35.0	52.6#
71	13.7	31.9	47.9#

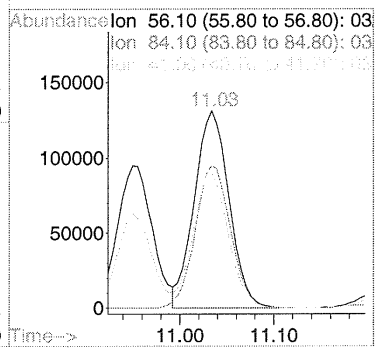


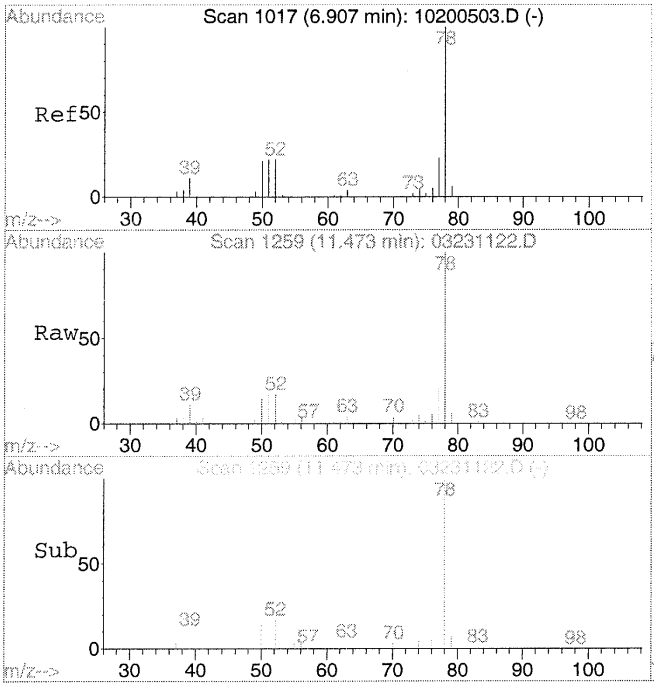


#29
Cyclohexane
Concen: 4.70 ppbv
RT: 11.03 min Scan# 1175
Delta R.T. -0.00 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 56 Resp: 338737

Ion	Ratio	Lower	Upper
56	100		
84	73.3	72.4	108.6
41	69.3	43.8	65.8#

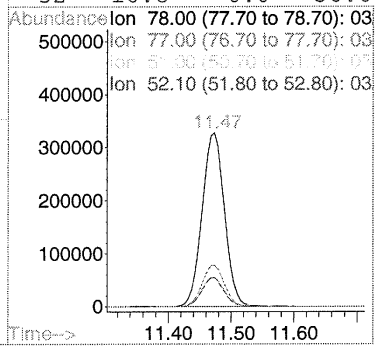


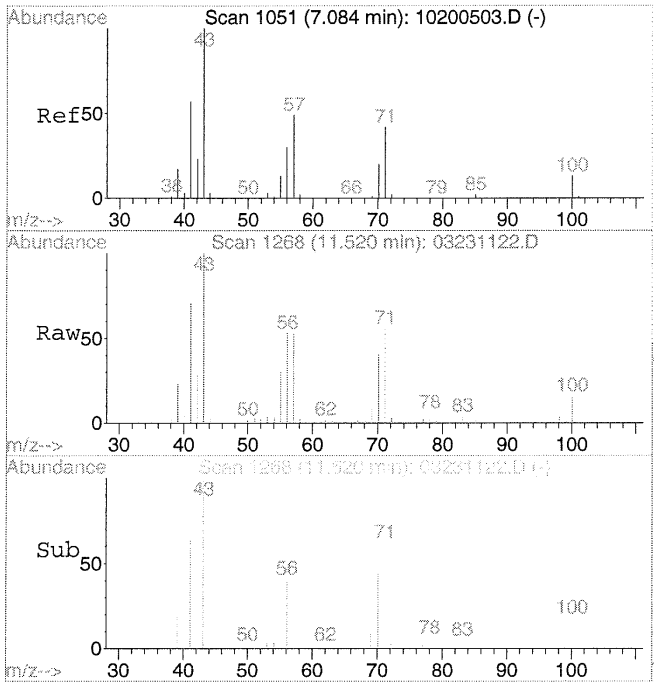


#31
Benzene
Concen: 6.75 ppbv
RT: 11.47 min Scan# 1259
Delta R.T. 0.00 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 78 Resp: 813445

Ion	Ratio	Lower	Upper
78	100		
77	23.9	3.7	43.7
51	18.0	0.0	36.1
52	16.8	0.0	36.0

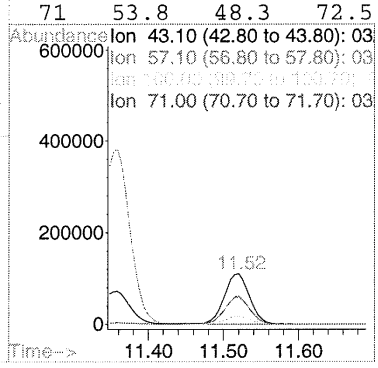


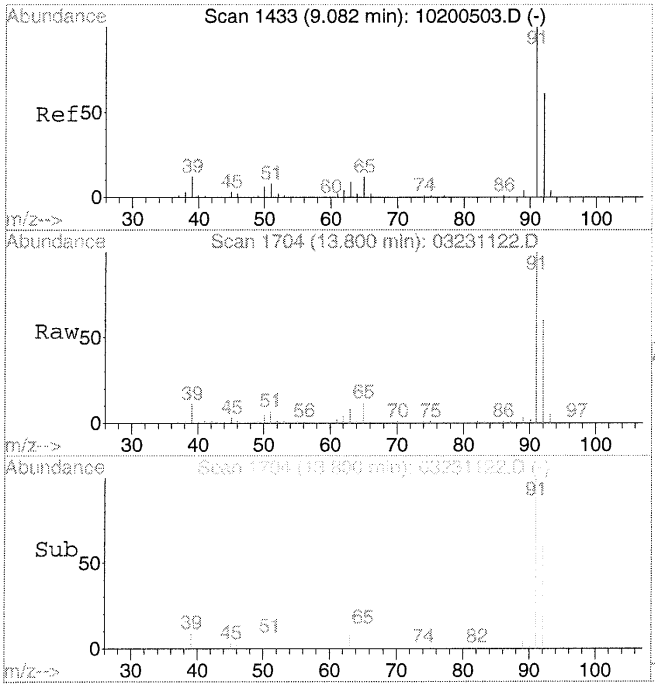


#34
Heptane
Concen: 3.13 ppbv
RT: 11.52 min Scan# 1268
Delta R.T. -0.00 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 43 Resp: 262102

Ion	Ratio	Lower	Upper
43	100		
57	55.5	42.2	63.4
100	15.2	17.3	25.9#
71	53.8	48.3	72.5

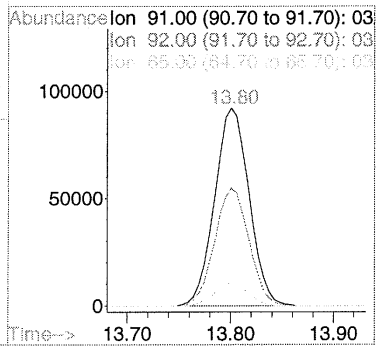


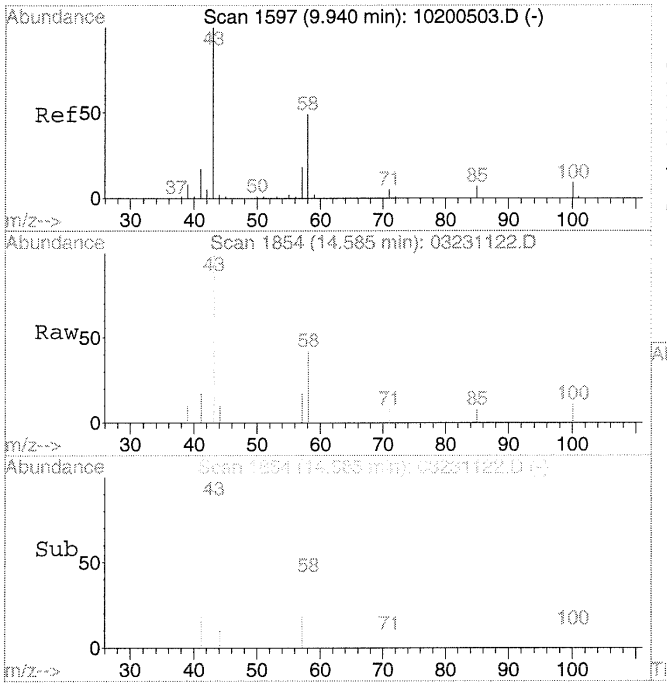


#41
Toluene
Concen: 1.63 ppbv
RT: 13.80 min Scan# 1704
Delta R.T. -0.00 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 91 Resp: 213393

Ion	Ratio	Lower	Upper
91	100		
92	59.1	40.5	80.5
65	11.4	0.0	31.2

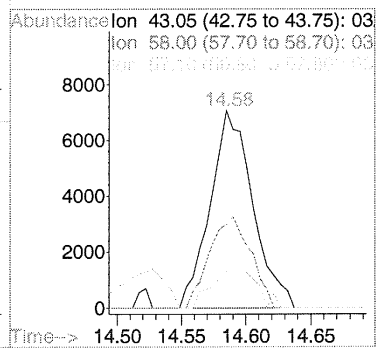


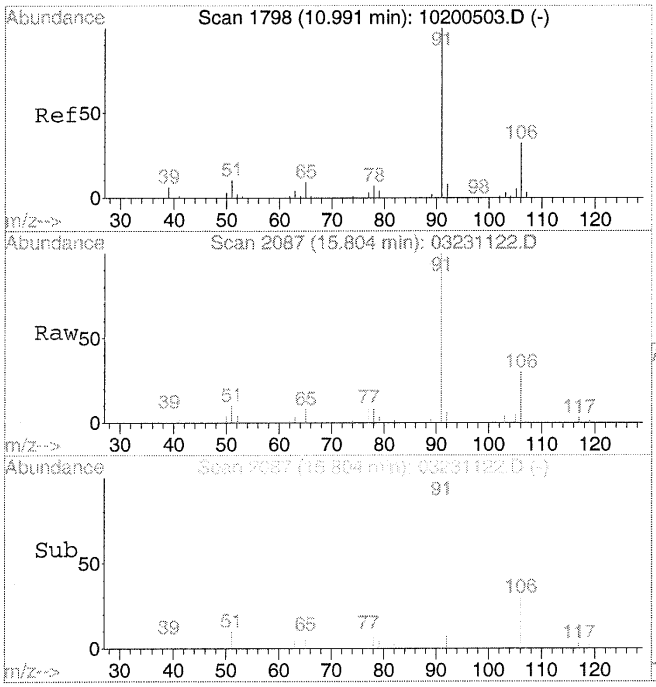


#45
2-Hexanone
Concen: 0.58 ppbv
RT: 14.58 min Scan# 1854
Delta R.T. 0.00 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 43 Resp: 16194

Ion	Ratio	Lower	Upper
43	100		
58	44.8	33.8	73.8
57	20.7	0.0	38.6

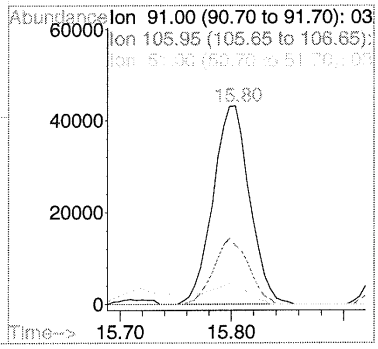


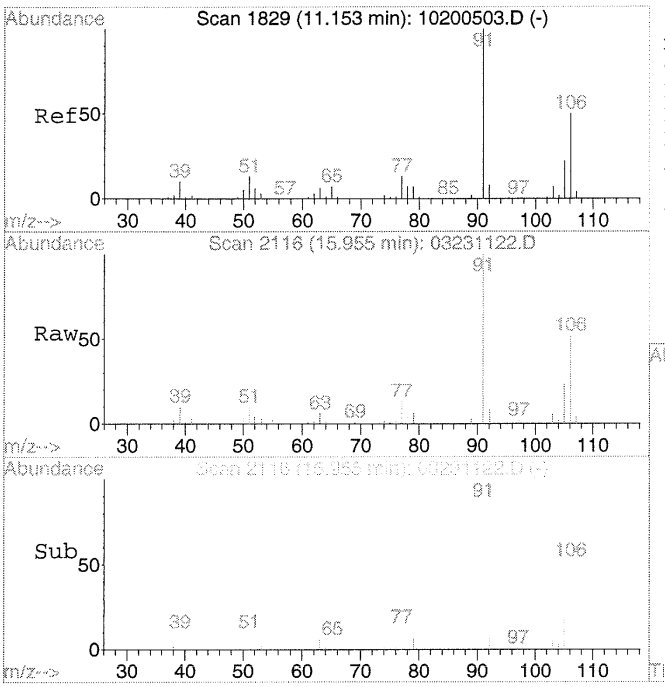


#50
Ethylbenzene
Concen: 0.71 ppbv
RT: 15.80 min Scan# 2087
Delta R.T. 0.00 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 91 Resp: 98514

Ion	Ratio	Lower	Upper
91	100		
106	31.8	14.9	54.9
51	10.1	0.0	33.1

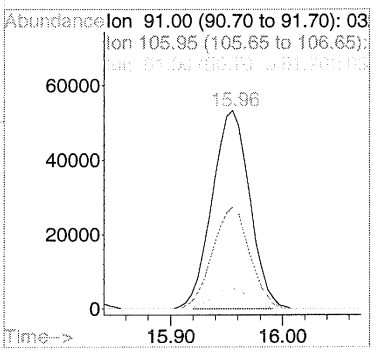


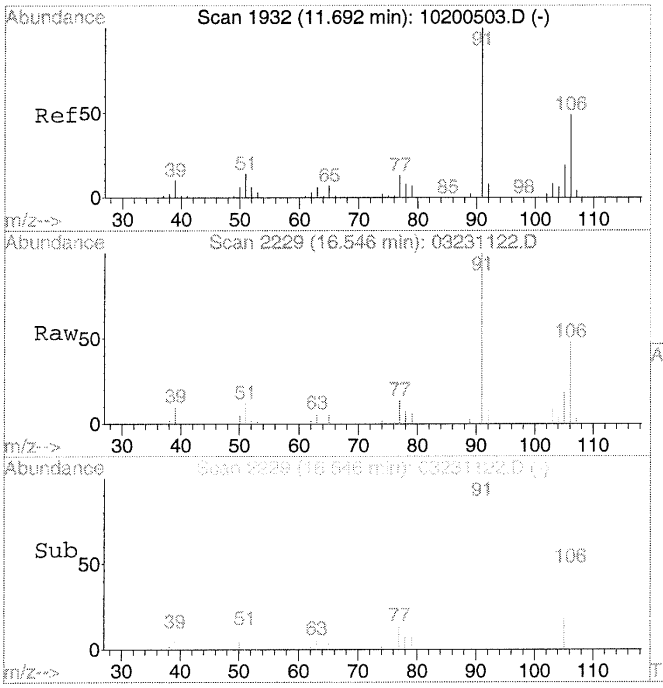


#51
m,p-Xylene
Concen: 1.16 ppbv
RT: 15.96 min Scan# 2116
Delta R.T. -0.00 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 91 Resp: 124730

Ion	Ratio	Lower	Upper
91	100		
106	50.9	35.6	75.6
51	9.9	0.0	29.6

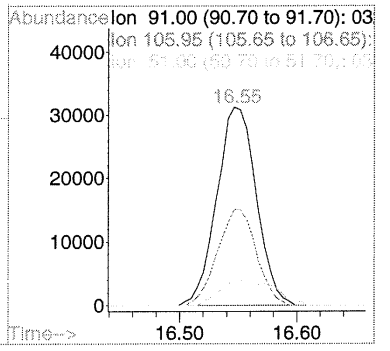


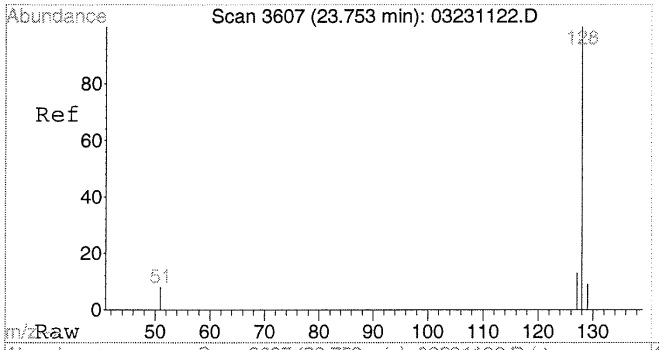


#52
o-Xylene
Concen: 0.70 ppbv
RT: 16.55 min Scan# 2229
Delta R.T. -0.00 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion: 91 Resp: 73111

Ion	Ratio	Lower	Upper
91	100		
106	47.5	41.0	61.6
51	17.9	19.7	29.5#

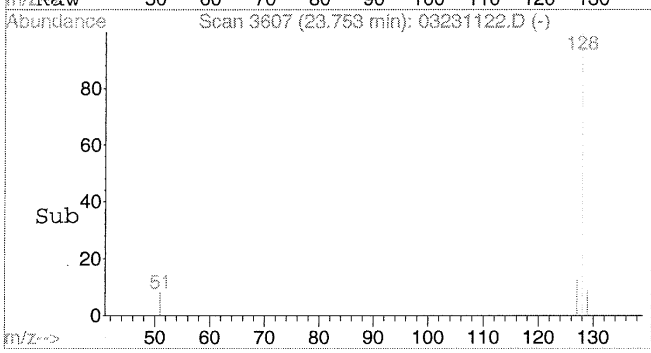


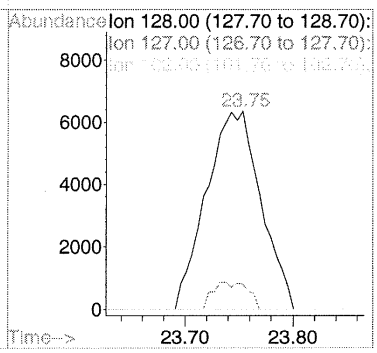


#66
Naphthalene
Concen: 0.58 ppbv
RT: 23.75 min Scan# 3607
Delta R.T. 0.00 min
Lab File: 03231122.D
Acq: 24 Mar 2011 3:56 am

Tgt Ion:128 Resp: 22370

Ion	Ratio	Lower	Upper
128	100		
127	8.9	9.8	14.6#
102	0.0	6.3	9.5#





Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231125.D Vial: 2
Acq On : 24 Mar 2011 7:37 am Operator: Michael Truchan
Sample : TO15 RLVS 20cc voa092310d Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 24 9:02 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	520287	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	1872870	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1270323	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	790874	12.42	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 99.36%				
Target Compounds							Qvalue
2) Propylene	5.68	41	79428	2.04	ppbv		94
3) Dichlorodifluoromethane	5.75	85	161252	1.26	ppbv		99
4) 1,2-Dichloro-1,2,2,2-tetra	6.01	135	119980	1.27	ppbv		92
5) Chloromethane	6.17	50	63964	1.45	ppbv		96
6) Vinyl chloride	6.38	62	66699	1.33	ppbv	#	100
7) 1,3-Butadiene	6.44	39	63027	1.60	ppbv		97
8) Bromomethane	7.03	94	55914	1.22	ppbv		99
9) Chloroethane	7.17	64	32476	1.22	ppbv		98
10) Trichlorofluoromethane	7.50	101	156640	1.28	ppbv		99
11) Ethanol	7.73	45	10467	1.21	ppbv		92
12) Freon113	8.16	101	122271	1.24	ppbv		97
13) 1,1-Dichloroethene	8.27	61	97295	1.35	ppbv		93
14) Acetone	8.36	43	85752	1.34	ppbv	#	95
15) Carbon disulfide	8.64	76	168383	1.31	ppbv	#	99
16) 2-Propanol	8.41	45	51711	1.12	ppbv	#	1
17) Methylene chloride	8.92	49	74322	1.42	ppbv		91
18) tert-Butyl Methyl Ether	9.13	73	155333	1.31	ppbv		96
19) trans-1,2-Dichloroethene	9.20	61	85952	1.27	ppbv		94
20) n-Hexane	9.39	57	103233	1.36	ppbv		95
21) 1,1-Dichloroethane	9.77	63	98484	1.18	ppbv		98
22) Vinyl acetate	9.70	43	90886	1.06	ppbv		97
23) cis-1,2-Dichloroethene	10.45	96	55856	1.17	ppbv		93
24) 2-Butanone	10.42	43	79329	1.20	ppbv	#	90
25) Ethyl acetate	10.37	43	85110	1.03	ppbv	#	100
26) Tetrahydrofuran	10.77	42	49357	1.14	ppbv		94
27) Chloroform	10.77	83	114456	1.26	ppbv		98
28) 1,1,1-Trichloroethane	11.03	97	112784	1.20	ppbv		98
29) Cyclohexane	11.03	56	102281	1.33	ppbv		94
30) Carbon tetrachloride	11.19	117	109521	1.17	ppbv		98
31) Benzene	11.47	78	160619	1.25	ppbv		98
32) 1,2-Dichloroethane	11.55	62	61252	1.18	ppbv		98
34) Heptane	11.52	43	120797	1.34	ppbv		94
35) Trichloroethene	12.20	130	77447	1.21	ppbv		98
36) 1,2-Dichloropropane	12.56	63	51229	1.14	ppbv		98
37) 1,4-Dioxane	12.64	88	18030	1.00	ppbv		100
38) Bromodichloromethane	12.84	83	97163	1.10	ppbv		98
39) cis-1,3-Dichloropropene	13.39	75	71967	1.04	ppbv		97
40) 4-Methyl-2-pentanone	13.51	58	21079	1.02	ppbv		96
41) Toluene	13.80	91	176086	1.25	ppbv		98
42) trans-1,3-Dichloropropene	14.10	75	54739	0.95	ppbv		97
43) 1,1,2-Trichloroethane	14.37	97	50894	1.11	ppbv		99
44) Tetrachloroethene	14.51	166	92524	1.18	ppbv		99
45) 2-Hexanone	14.58	43	35669	1.18	ppbv		97
46) Chlorodibromomethane	14.92	129	81791	1.06	ppbv		99
47) 1,2-Dibromoethane	15.16	107	71186	1.06	ppbv		98
49) Chlorobenzene	15.76	112	105961	1.19	ppbv	#	85
50) Ethylbenzene	15.80	91	189360	1.28	ppbv		93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\032311\03231125.D Vial: 2
Acq On : 24 Mar 2011 7:37 am Operator: Michael Truchan
Sample : TO15 RLVS 20cc voa092310d Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 24 9:02 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

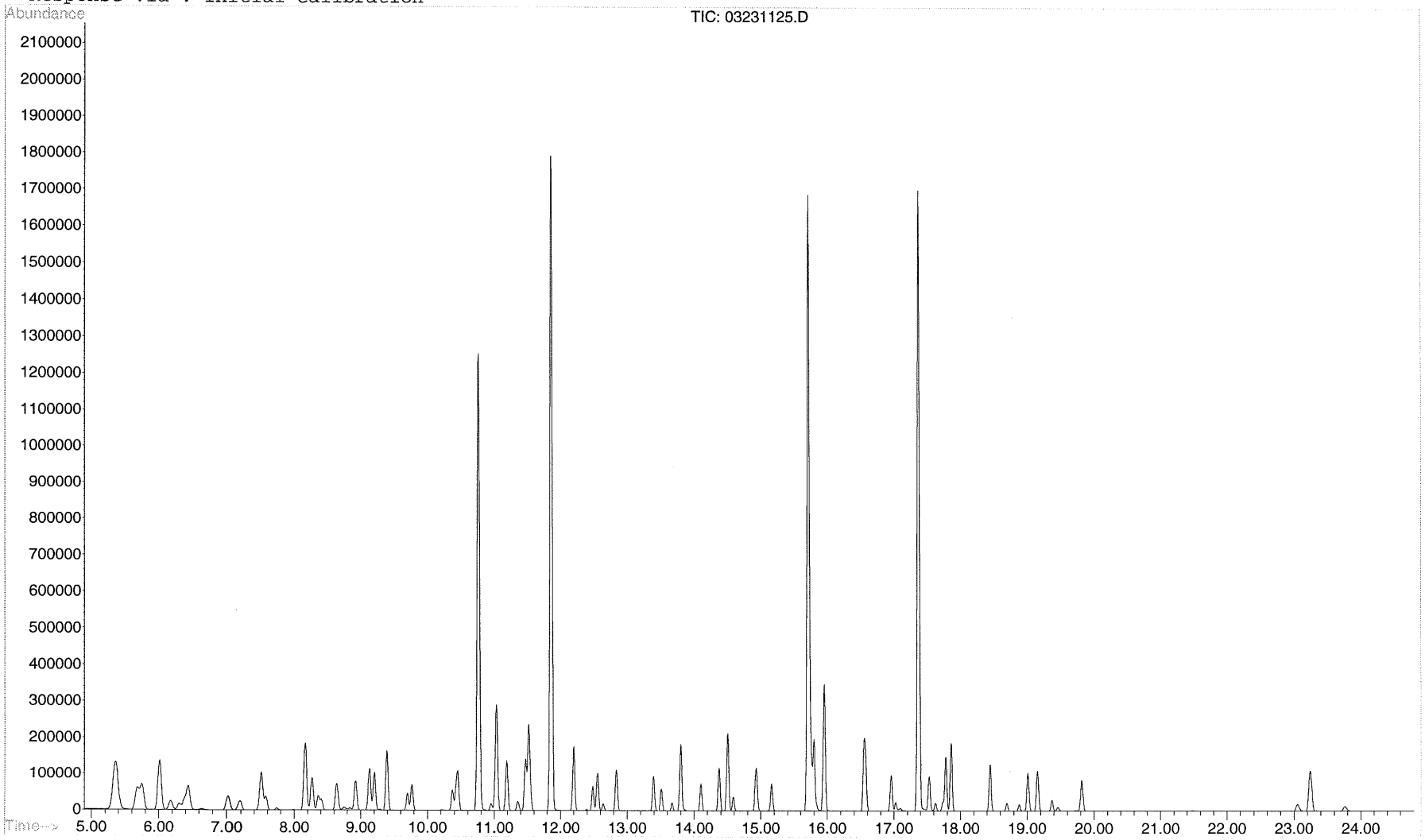
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	m,p-Xylene	15.95	91	282503	2.47	ppbv		93
52)	o-Xylene	16.55	91	143948	1.29	ppbv		96
53)	Styrene	16.57	104	81259	1.06	ppbv		95
54)	Bromoform	16.96	173	68016	1.06	ppbv		99
56)	1,1,2,2-Tetrachloroethane	17.53	83	66605	1.05	ppbv		99
57)	4-Ethyltoluene	17.78	105	164416	1.24	ppbv		98
58)	1,3,5-Trimethylbenzene	17.86	105	139510	1.27	ppbv		93
59)	1,2,4-Trimethylbenzene	18.44	105	105528	1.08	ppbv		98
60)	1,3-Dichlorobenzene	19.01	146	71409	1.05	ppbv		98
61)	1,4-Dichlorobenzene	19.16	146	69471	1.07	ppbv		99
62)	Benzyl chloride	19.37	91	38748	0.91	ppbv		97
63)	1,2-Dichlorobenzene	19.81	146	62942	1.07	ppbv		96
64)	1,2,4-Trichlorobenzene	23.05	180	21035	0.63	ppbv		96
65)	Hexachlorobutadiene	23.25	225	59224	1.01	ppbv		98
66)	Naphthalene	23.75	128	39565	0.97	ppbv	#	86

(#) = qualifier out of range (m) = manual integration
03231125.D 031611V1.M Wed Apr 13 18:19:04 2011 Page 2

Quantitation Report

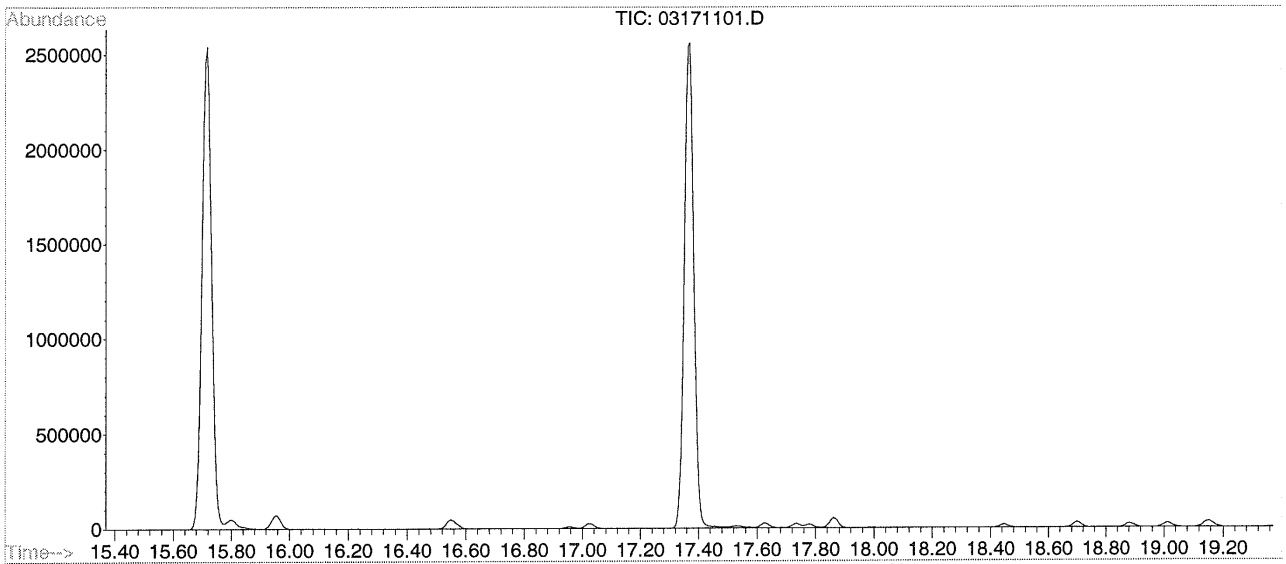
Data File : C:\HPCHEM\1\DATA\032311\03231125.D Vial: 2
Acq On : 24 Mar 2011 7:37 am Operator: Michael Truchan
Sample : TO15 RLVS 20cc voa092310d Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 24 9:02 2011 Quant Results File: 031611V1.RES

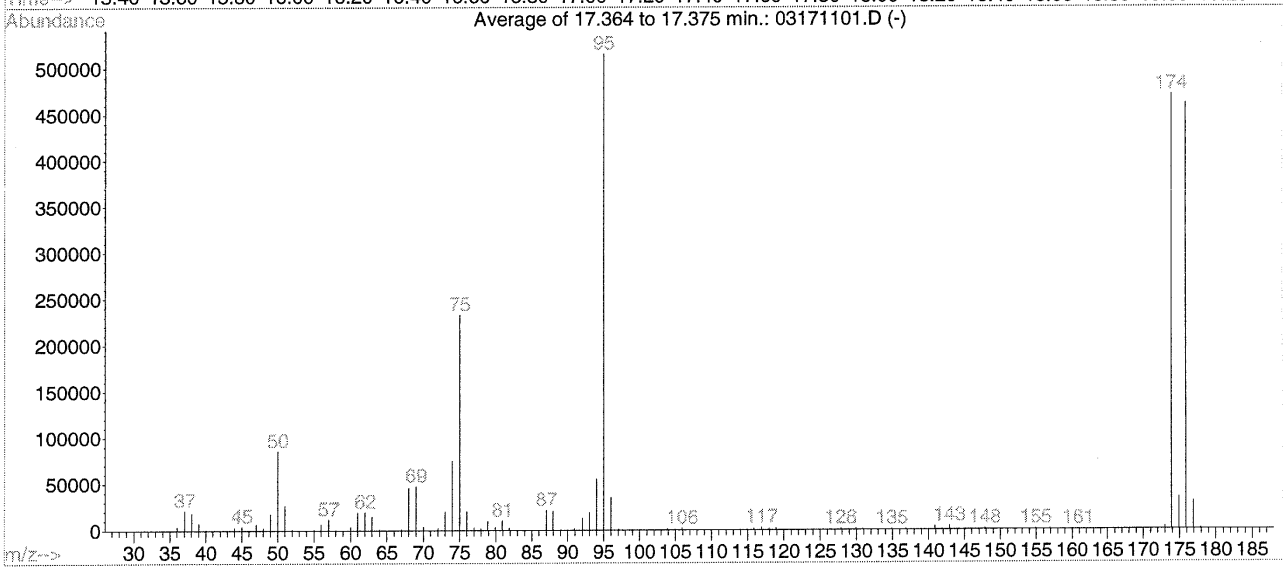
Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration



BFB Tune Check (TO-15)

Data File : C:\HPCHEM\1\DATA\031711\03171101.D Vial: 1
Acq On : 17 Mar 2011 9:24 am Operator: Michael Truchan
Sample : BFB 50cc voa020211c Inst : GC/MS Ins
Misc : ical EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv





Spectrum Information: Average of 17.364 to 17.375 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.6	85421	PASS
75	95	30	60	45.2	232619	PASS
95	95	100	100	100.0	515200	PASS
96	95	5	9	6.8	35024	PASS
173	174	0.00	2	0.6	3042	PASS
174	95	50	120	91.4	471040	PASS
175	174	4	9	7.2	34096	PASS
176	174	93	101	98.0	461589	PASS
177	176	5	9	6.6	30531	PASS

03171101.D 031611V1.M Wed Apr 13 18:43:23 2011

Response Factor Report GC/MS Ins

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

Calibration Files
2 =03171103.D 3 =03171104.D 4 =03171105.D
5 =03171106.D 6 =03171107.D 7 =03171108.D

		Compound	2	3	4	5	6	7	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------							
2)	T	Propylene	1.121	1.030	0.881	0.877	0.859	0.855	0.937	11.89
3)	T	Dichlorodifluoromet	3.711	3.422	2.907	2.872	2.809	2.758	3.080	12.71
4)	T	1,2-Dichloro-1,2,2,	2.740	2.506	2.140	2.098	2.063	2.049	2.266	12.71
5)	T	Chloromethane	1.354	1.187	0.993	0.967	0.944	0.923	1.061	16.21
6)	T	Vinyl chloride	1.493	1.422	1.169	1.100	1.036	0.987	1.201	17.40
7)	T	1,3-Butadiene	1.273	1.081	0.900	0.879	0.821	0.718	0.945	21.13
8)	T	Bromomethane	1.270	1.215	1.045	1.028	1.019	1.023	1.100	10.20
9)	T	Chloroethane	0.751	0.701	0.606	0.598	0.593	0.589	0.640	10.76
10)	T	Trichlorofluorometh	3.571	3.235	2.778	2.748	2.684	2.618	2.939	12.89
11)	T	Ethanol	0.215	0.268	0.189	0.186	0.200	0.189	0.208	15.16
12)	T	Freon113	2.847	2.556	2.264	2.235	2.160	2.104	2.361	12.07
13)	T	1,1-Dichloroethene	2.101	1.903	1.652	1.613	1.570	1.546	1.731	12.85
14)	T	Acetone	2.101	1.801	1.364	1.315	1.379	1.284	1.541	21.64
15)	T	Carbon disulfide	3.688	3.383	2.913	2.902	2.820	2.818	3.087	11.74
16)	T	2-Propanol	1.043	1.434	1.036	1.025	1.086	1.031	1.109	14.48
17)	T	Methylene chloride	1.613	1.366	1.173	1.158	1.131	1.112	1.259	15.58
18)	T	tert-Butyl Methyl E	4.240	3.186	2.506	2.381	2.499	2.337	2.858	26.04
19)	T	trans-1,2-Dichloroe	1.970	1.777	1.552	1.527	1.484	1.469	1.630	12.30
20)	T	n-Hexane	2.384	1.953	1.715	1.683	1.633	1.584	1.825	16.54
21)	T	1,1-Dichloroethane	2.480	2.162	1.892	1.868	1.834	1.793	2.005	13.31
22)	T	Vinyl acetate	2.792	2.282	1.841	1.759	1.867	1.764	2.051	20.08
23)	T	cis-1,2-Dichloroeth	1.385	1.245	1.080	1.061	1.069	1.038	1.146	12.10
24)	T	2-Butanone	2.022	1.894	1.361	1.373	1.467	1.420	1.589	18.30
25)	T	Ethyl acetate	2.379	2.359	1.740	1.752	1.894	1.770	1.982	15.36
26)	T	Tetrahydrofuran	1.236	1.255	0.963	0.922	0.968	0.907	1.042	15.33
27)	T	Chloroform	2.813	2.449	2.047	1.953	1.959	1.850	2.179	17.17
28)	T	1,1,1-Trichloroetha	2.831	2.528	2.132	2.058	2.043	1.915	2.251	15.65
29)	T	Cyclohexane	2.465	2.008	1.739	1.686	1.642	1.551	1.848	18.35
30)	T	Carbon tetrachlorid	2.776	2.488	2.142	2.068	2.077	1.972	2.254	13.82
31)	T	Benzene	4.394	3.373	2.763	2.670	2.755	2.586	3.090	22.56
32)	T	1,2-Dichloroethane	1.684	1.406	1.139	1.090	1.110	1.038	1.244	20.16
33)	I	1,4-Difluorobenzene	----------ISTD----------							
34)	T	Heptane	0.807	0.696	0.561	0.534	0.533	0.492	0.604	20.18
35)	T	Trichloroethene	0.551	0.477	0.392	0.381	0.390	0.366	0.426	17.03
36)	T	1,2-Dichloropropane	0.394	0.338	0.274	0.260	0.278	0.261	0.301	17.93
37)	T	1,4-Dioxane	0.127	0.141	0.110	0.107	0.121	0.112	0.120	10.77
38)	T	Bromodichloromethan	0.741	0.669	0.547	0.525	0.541	0.512	0.589	15.84
39)	T	cis-1,3-Dichloropro	0.576	0.529	0.423	0.409	0.429	0.410	0.463	15.41
40)	T	4-Methyl-2-pentanon	0.138	0.172	0.128	0.123	0.137	0.129	0.138	12.96
41)	T	Toluene	1.337	1.065	0.834	0.792	0.839	0.784	0.942	23.30
42)	T	trans-1,3-Dichlorop	0.467	0.437	0.350	0.339	0.359	0.346	0.383	14.29
43)	T	1,1,2-Trichloroetha	0.391	0.349	0.279	0.266	0.284	0.273	0.307	16.63
44)	T	Tetrachloroethene	0.674	0.601	0.483	0.463	0.465	0.447	0.522	17.77
45)	T	2-Hexanone	0.134	0.259	0.201	0.193	0.218	0.204	0.201	20.24
46)	T	Chlorodibromomethan	0.633	0.585	0.477	0.454	0.483	0.457	0.515	14.65
47)	T	1,2-Dibromoethane	0.562	0.511	0.410	0.391	0.416	0.393	0.447	16.02
48)	I	Chlorobenzene-d5	----------ISTD----------							
49)	T	Chlorobenzene	1.170	0.999	0.798	0.755	0.798	0.754	0.879	19.26
50)	T	Ethylbenzene	2.162	1.646	1.279	1.203	1.262	1.167	1.453	26.67
51)	T	m,p-Xylene	1.635	1.315	1.014	0.945	0.971	0.871	1.125	26.04
52)	T	o-Xylene	1.582	1.249	0.975	0.914	0.968	0.887	1.096	24.73
53)	T	Styrene	0.960	0.862	0.687	0.650	0.700	0.654	0.752	17.07
54)	T	Bromoform	0.811	0.732	0.581	0.545	0.578	0.536	0.631	17.97
55)	S	4-Bromofluorobenzen	0.619	0.631	0.629	0.619	0.630	0.631	0.627	0.94

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

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration

Calibration Files
2 =03171103.D 3 =03171104.D 4 =03171105.D
5 =03171106.D 6 =03171107.D 7 =03171108.D

		Compound	2	3	4	5	6	7	Avg	%RSD
56)	T	1,1,2,2-Tetrachloro	0.770	0.723	0.570	0.537	0.579	0.549	0.621	15.96
57)	T	4-Ethyltoluene	1.921	1.498	1.141	1.071	1.155	1.071	1.309	25.92
58)	T	1,3,5-Trimethylbenz	1.655	1.229	0.935	0.869	0.927	0.866	1.080	28.91
59)	T	1,2,4-Trimethylbenz	1.300	1.116	0.863	0.814	0.873	0.822	0.965	20.59
60)	T	1,3-Dichlorobenzene	0.912	0.786	0.602	0.567	0.600	0.561	0.671	21.51
61)	T	1,4-Dichlorobenzene	0.849	0.755	0.582	0.549	0.579	0.536	0.642	20.07
62)	T	Benzyl chloride	0.537	0.464	0.376	0.361	0.403	0.378	0.420	16.18
63)	T	1,2-Dichlorobenzene	0.784	0.685	0.515	0.490	0.517	0.487	0.580	21.50
64)	T	1,2,4-Trichlorobenz	0.229	0.381	0.325	0.325	0.376	0.347	0.330	16.70
65)	T	Hexachlorobutadiene	0.726	0.670	0.526	0.504	0.550	0.492	0.578	16.73
66)		Naphthalene	0.299	0.431	0.389	0.401	0.462	0.428	0.402	14.02

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171103.D Vial: 2
Acq On : 17 Mar 2011 10:45 am Operator: Michael Truchan
Sample : TO15 L2 38cc voa092310d Inst : GC/MS Ins
Misc : ICAL EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Thu Mar 17 14:47:07 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	719679	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2581759	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.72	117	1755447	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1087127	12.36	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 98.88%				
Target Compounds							Qvalue
2) Propylene	5.67	41	65836	1.22	ppbv		99
3) Dichlorodifluoromethane	5.75	85	196590	1.11	ppbv		99
4) 1,2-Dichloro-1,2,2,2-tetra	6.01	135	149856	1.15	ppbv		95
5) Chloromethane	6.17	50	74063	1.21	ppbv		96
6) Vinyl chloride	6.38	62	80784	1.17	ppbv	#	99
7) 1,3-Butadiene	6.44	39	71823	1.32	ppbv		96
8) Bromomethane	7.01	94	68020	1.07	ppbv		98
9) Chloroethane	7.18	64	39762	1.08	ppbv		99
10) Trichlorofluoromethane	7.51	101	197377	1.17	ppbv		99
11) Ethanol	7.72	45	11378	0.95	ppbv	#	92
12) Freon113	8.16	101	160650	1.18	ppbv		98
13) 1,1-Dichloroethene	8.26	61	119766	1.20	ppbv		94
14) Acetone	8.36	43	120953	1.36	ppbv	#	96
15) Carbon disulfide	8.64	76	205942	1.16	ppbv	#	99
16) 2-Propanol	8.40	45	60634	0.95	ppbv	#	39
17) Methylene chloride	8.92	49	92889	1.28	ppbv		94
18) tert-Butyl Methyl Ether	9.13	73	241665	1.47	ppbv		98
19) trans-1,2-Dichloroethene	9.21	61	111137	1.18	ppbv		95
20) n-Hexane	9.39	57	138617	1.32	ppbv		95
21) 1,1-Dichloroethane	9.76	63	138520	1.20	ppbv		98
22) Vinyl acetate	9.70	43	159133	1.35	ppbv		98
23) cis-1,2-Dichloroethene	10.45	96	78136	1.18	ppbv		95
24) 2-Butanone	10.42	43	115245	1.26	ppbv		94
25) Ethyl acetate	10.37	43	134231	1.18	ppbv	#	99
26) Tetrahydrofuran	10.76	42	71169	1.19	ppbv		97
27) Chloroform	10.77	83	158728	1.27	ppbv		99
28) 1,1,1-Trichloroethane	11.03	97	156450	1.21	ppbv		98
29) Cyclohexane	11.03	56	139060	1.31	ppbv		94
30) Carbon tetrachloride	11.19	117	151819	1.17	ppbv		99
31) Benzene	11.47	78	242843	1.36	ppbv		99
32) 1,2-Dichloroethane	11.55	62	94039	1.31	ppbv		97
34) Heptane	11.52	43	165039	1.32	ppbv		95
35) Trichloroethene	12.20	130	109339	1.24	ppbv		99
36) 1,2-Dichloropropane	12.56	63	79730	1.28	ppbv		98
37) 1,4-Dioxane	12.63	88	25220	1.02	ppbv		99
38) Bromodichloromethane	12.84	83	146923	1.21	ppbv		98
39) cis-1,3-Dichloropropene	13.39	75	113013	1.18	ppbv		98
40) 4-Methyl-2-pentanone	13.51	58	28437	1.00	ppbv		98
41) Toluene	13.80	91	270670	1.39	ppbv		98
42) trans-1,3-Dichloropropene	14.11	75	87864	1.11	ppbv		97
43) 1,1,2-Trichloroethane	14.37	97	79184	1.25	ppbv		98
44) Tetrachloroethene	14.51	166	133604	1.24	ppbv		98
45) 2-Hexanone	14.59	43	27057	0.65	ppbv		98
46) Chlorodibromomethane	14.93	129	128117	1.21	ppbv		99
47) 1,2-Dibromoethane	15.16	107	111416	1.21	ppbv		100
49) Chlorobenzene	15.76	112	162644	1.32	ppbv	#	88
50) Ethylbenzene	15.80	91	297584	1.46	ppbv		93

(#) = qualifier out of range (m) = manual integration
03171103.D 031611V1.M Wed Apr 13 10:11:50 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171103.D Vial: 2
Acq On : 17 Mar 2011 10:45 am Operator: Michael Truchan
Sample : TO15 L2 38cc voa092310d Inst : GC/MS Ins
Misc : ICAL EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Thu Mar 17 14:47:07 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	m,p-Xylene	15.95	91	440951	2.79	ppbv		94
52)	o-Xylene	16.55	91	222128	1.44	ppbv		97
53)	Styrene	16.57	104	132105	1.25	ppbv		97
54)	Bromoform	16.96	173	109330	1.23	ppbv		99
56)	1,1,2,2-Tetrachloroethane	17.53	83	108134	1.24	ppbv		99
57)	4-Ethyltoluene	17.78	105	264403	1.44	ppbv		98
58)	1,3,5-Trimethylbenzene	17.86	105	225406	1.49	ppbv		94
59)	1,2,4-Trimethylbenzene	18.45	105	178968	1.32	ppbv		100
60)	1,3-Dichlorobenzene	19.01	146	124263	1.32	ppbv		97
61)	1,4-Dichlorobenzene	19.16	146	114482	1.27	ppbv		98
62)	Benzyl chloride	19.37	91	73142	1.24	ppbv		98
63)	1,2-Dichlorobenzene	19.82	146	106861	1.31	ppbv		97
64)	1,2,4-Trichlorobenzene	23.05	180	29245	0.63	ppbv		97
65)	Hexachlorobutadiene	23.24	225	95846	1.18	ppbv		98
66)	Naphthalene	23.77	128	38688	0.69	ppbv	#	84

(#) = qualifier out of range (m) = manual integration
03171103.D 031611V1.M Wed Apr 13 10:11:50 2011 Page 2

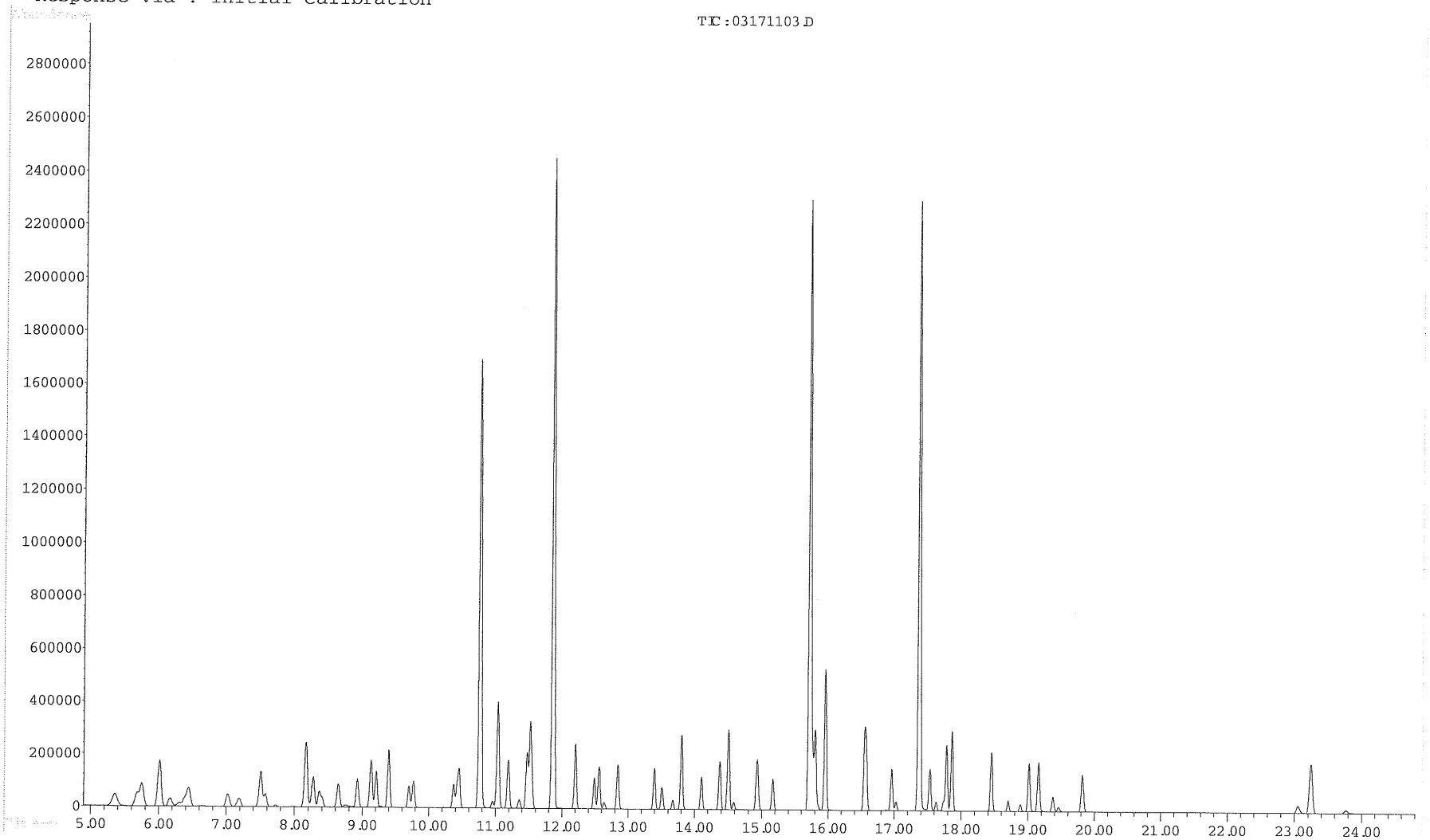
Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171103.D
Acq On : 17 Mar 2011 10:45 am
Sample : TO15 L2 38cc voa092310d
Misc : ICAL EPA_TO15
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011

Vial: 2
Operator: Michael Truchan
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171104.D Vial: 1
Acq On : 17 Mar 2011 11:26 am Operator: Michael Truchan
Sample : TO15 L3 20cc voa101910d Inst : GC/MS Ins
Misc : ICAL EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Thu Mar 17 14:47:07 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	750328	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2628904	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.71	117	1829920	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1154500	12.59	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 100.72%				
Target Compounds							Qvalue
2) Propylene	5.68	41	315167	5.60	ppbv		99
3) Dichlorodifluoromethane	5.75	85	944903	5.11	ppbv		99
4) 1,2-Dichloro-1,2,2,2-tetra	6.01	135	714431	5.25	ppbv		95
5) Chloromethane	6.17	50	338575	5.31	ppbv		99
6) Vinyl chloride	6.38	62	401202	5.57	ppbv		100
7) 1,3-Butadiene	6.44	39	317949	5.60	ppbv		98
8) Bromomethane	7.02	94	339071	5.14	ppbv		99
9) Chloroethane	7.17	64	193644	5.04	ppbv		99
10) Trichlorofluoromethane	7.51	101	932049	5.28	ppbv		99
11) Ethanol	7.73	45	74060	5.94	ppbv		99
12) Freon113	8.17	101	751777	5.30	ppbv		97
13) 1,1-Dichloroethene	8.27	61	565436	5.44	ppbv		96
14) Acetone	8.36	43	540405	5.84	ppbv		99
15) Carbon disulfide	8.64	76	984933	5.31	ppbv	#	99
16) 2-Propanol	8.40	45	434732	6.53	ppbv		98
17) Methylene chloride	8.93	49	409838	5.42	ppbv		93
18) tert-Butyl Methyl Ether	9.12	73	946664	5.52	ppbv		99
19) trans-1,2-Dichloroethene	9.21	61	522730	5.34	ppbv		94
20) n-Hexane	9.40	57	591958	5.40	ppbv		97
21) 1,1-Dichloroethane	9.77	63	629393	5.23	ppbv		99
22) Vinyl acetate	9.70	43	677982	5.51	ppbv		99
23) cis-1,2-Dichloroethene	10.45	96	366291	5.32	ppbv		95
24) 2-Butanone	10.42	43	562800	5.90	ppbv		95
25) Ethyl acetate	10.37	43	693752	5.83	ppbv	#	100
26) Tetrahydrofuran	10.76	42	376702	6.02	ppbv		97
27) Chloroform	10.77	83	720193	5.51	ppbv		100
28) 1,1,1-Trichloroethane	11.03	97	728269	5.39	ppbv		99
29) Cyclohexane	11.03	56	590545	5.32	ppbv		96
30) Carbon tetrachloride	11.19	117	709514	5.24	ppbv		99
31) Benzene	11.47	78	971876	5.24	ppbv		99
32) 1,2-Dichloroethane	11.55	62	409244	5.48	ppbv		99
34) Heptane	11.52	43	724514	5.71	ppbv		95
35) Trichloroethene	12.20	130	481041	5.37	ppbv		98
36) 1,2-Dichloropropane	12.56	63	348229	5.50	ppbv		100
37) 1,4-Dioxane	12.63	88	142808	5.67	ppbv		99
38) Bromodichloromethane	12.84	83	675085	5.45	ppbv		99
39) cis-1,3-Dichloropropene	13.39	75	528218	5.43	ppbv		98
40) 4-Methyl-2-pentanone	13.51	58	180875	6.25	ppbv		98
41) Toluene	13.80	91	1097954	5.54	ppbv		99
42) trans-1,3-Dichloropropene	14.10	75	417786	5.19	ppbv		98
43) 1,1,2-Trichloroethane	14.38	97	359186	5.57	ppbv		99
44) Tetrachloroethene	14.51	166	606310	5.52	ppbv		99
45) 2-Hexanone	14.58	43	267327	6.31	ppbv		99
46) Chlorodibromomethane	14.93	129	602712	5.57	ppbv		99
47) 1,2-Dibromoethane	15.17	107	515861	5.48	ppbv		99
49) Chlorobenzene	15.76	112	723755	5.63	ppbv	#	95
50) Ethylbenzene	15.80	91	1180483	5.55	ppbv		97

(#) = qualifier out of range (m) = manual integration
03171104.D 031611V1.M Wed Apr 13 10:12:40 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171104.D Vial: 1
Acq On : 17 Mar 2011 11:26 am Operator: Michael Truchan
Sample : TO15 L3 20cc voa101910d Inst : GC/MS Ins
Misc : ICAL EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Thu Mar 17 14:47:07 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

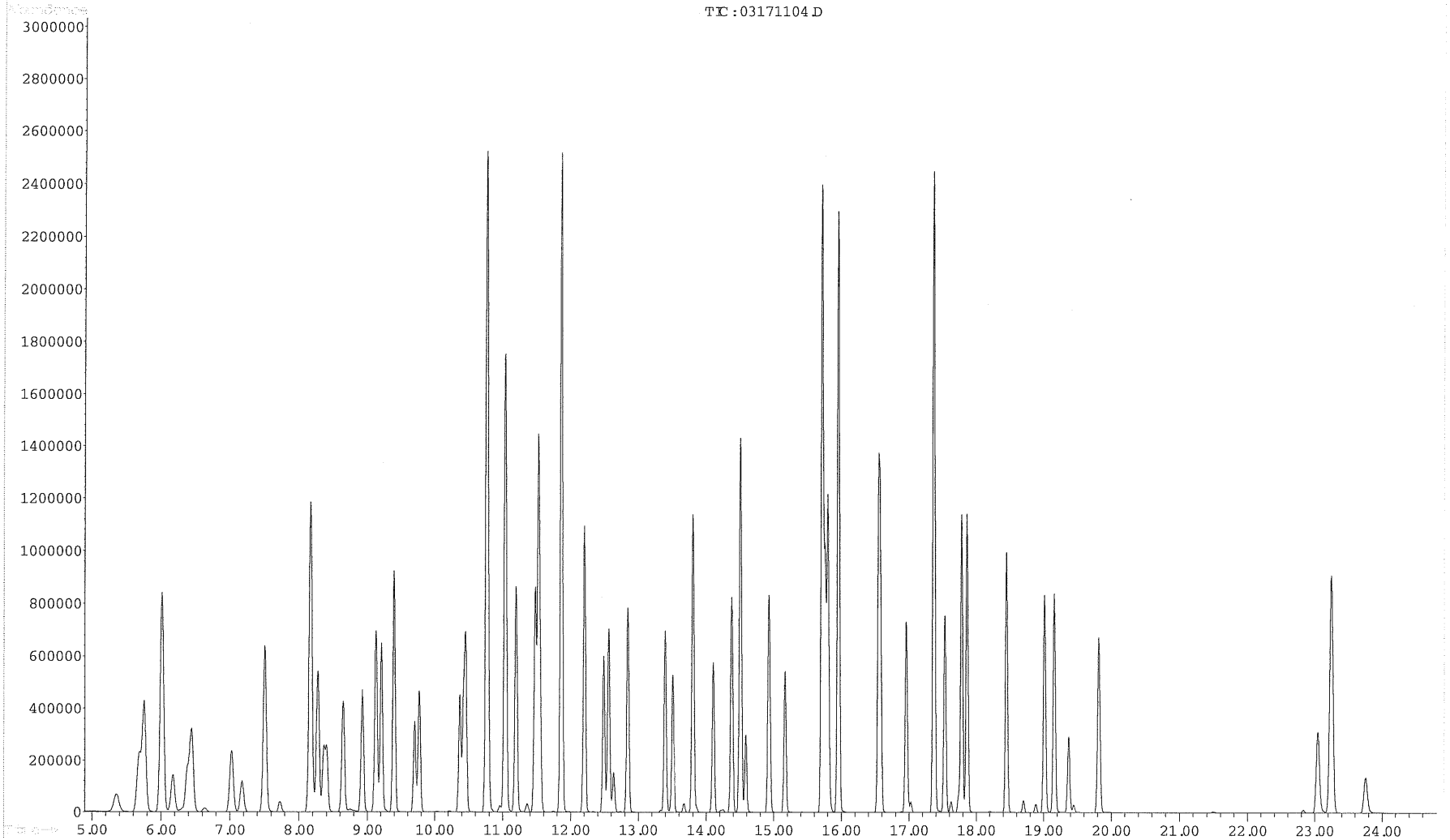
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
51)	m,p-Xylene	15.96	91	1847933	11.22	ppbv	95
52)	o-Xylene	16.55	91	914451	5.70	ppbv	97
53)	Styrene	16.57	104	618596	5.62	ppbv	98
54)	Bromoform	16.96	173	514343	5.57	ppbv	99
56)	1,1,2,2-Tetrachloroethane	17.53	83	528920	5.82	ppbv	98
57)	4-Ethyltoluene	17.78	105	1074807	5.61	ppbv	98
58)	1,3,5-Trimethylbenzene	17.86	105	872370	5.52	ppbv	97
59)	1,2,4-Trimethylbenzene	18.45	105	800229	5.67	ppbv	98
60)	1,3-Dichlorobenzene	19.01	146	557937	5.68	ppbv	98
61)	1,4-Dichlorobenzene	19.16	146	530226	5.64	ppbv	99
62)	Benzyl chloride	19.37	91	329707	5.36	ppbv	99
63)	1,2-Dichlorobenzene	19.82	146	486032	5.73	ppbv	98
64)	1,2,4-Trichlorobenzene	23.04	180	253661	5.24	ppbv	98
65)	Hexachlorobutadiene	23.24	225	461069	5.45	ppbv	99
66)	Naphthalene	23.75	128	290181	4.93	ppbv	99

(#) = qualifier out of range (m) = manual integration
03171104.D 031611V1.M Wed Apr 13 10:12:40 2011 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171104.D Vial: 1
Acq On : 17 Mar 2011 11:26 am Operator: Michael Truchan
Sample : TO15 L3 20cc voa101910d Inst : GC/MS Ins
Misc : ICAL EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171105.D Vial: 1
Acq On : 17 Mar 2011 12:07 pm Operator: Michael Truchan
Sample : TO15 L4 40cc voa101910d Inst : GC/MS Ins
Misc : ICAL EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Thu Mar 17 14:47:07 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	761809	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2701895	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.72	117	1886138	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1186383	12.55	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 100.40%				
Target Compounds							Qvalue
2) Propylene	5.68	41	547587	9.59	ppbv		99
3) Dichlorodifluoromethane	5.75	85	1630034	8.68	ppbv		100
4) 1,2-Dichloro-1,2,2,2-tetra	6.01	135	1239119	8.97	ppbv		95
5) Chloromethane	6.17	50	575179	8.89	ppbv		99
6) Vinyl chloride	6.38	62	669419	9.15	ppbv		100
7) 1,3-Butadiene	6.44	39	537271	9.33	ppbv		99
8) Bromomethane	7.02	94	592339	8.84	ppbv		99
9) Chloroethane	7.17	64	339537	8.71	ppbv		99
10) Trichlorofluoromethane	7.51	101	1625260	9.07	ppbv		99
11) Ethanol	7.73	45	105743	8.35	ppbv		99
12) Freon113	8.16	101	1352179	9.40	ppbv		97
13) 1,1-Dichloroethene	8.27	61	996578	9.45	ppbv		95
14) Acetone	8.35	43	831373	8.86	ppbv		99
15) Carbon disulfide	8.64	76	1722183	9.15	ppbv	#	99
16) 2-Propanol	8.40	45	637527	9.43	ppbv		97
17) Methylene chloride	8.92	49	715151	9.32	ppbv		94
18) tert-Butyl Methyl Ether	9.13	73	1511902	8.68	ppbv		99
19) trans-1,2-Dichloroethene	9.21	61	926685	9.33	ppbv		95
20) n-Hexane	9.39	57	1055941	9.49	ppbv		98
21) 1,1-Dichloroethane	9.77	63	1118495	9.15	ppbv		99
22) Vinyl acetate	9.70	43	1110991	8.89	ppbv		99
23) cis-1,2-Dichloroethene	10.45	96	644780	9.23	ppbv		96
24) 2-Butanone	10.42	43	820950	8.48	ppbv		98
25) Ethyl acetate	10.37	43	1039385	8.60	ppbv	#	99
26) Tetrahydrofuran	10.76	42	586606	9.24	ppbv		97
27) Chloroform	10.77	83	1222783	9.21	ppbv		100
28) 1,1,1-Trichloroethane	11.03	97	1247271	9.09	ppbv		99
29) Cyclohexane	11.04	56	1038420	9.22	ppbv		97
30) Carbon tetrachloride	11.19	117	1240134	9.03	ppbv		99
31) Benzene	11.47	78	1616313	8.58	ppbv		99
32) 1,2-Dichloroethane	11.54	62	673400	8.88	ppbv		99
34) Heptane	11.52	43	1200216	9.20	ppbv		97
35) Trichloroethene	12.20	130	813955	8.84	ppbv		98
36) 1,2-Dichloropropane	12.56	63	581416	8.94	ppbv		100
37) 1,4-Dioxane	12.63	88	227952	8.80	ppbv		98
38) Bromodichloromethane	12.84	83	1134765	8.91	ppbv		99
39) cis-1,3-Dichloropropene	13.39	75	869291	8.69	ppbv		98
40) 4-Methyl-2-pentanone	13.50	58	275671	9.27	ppbv		98
41) Toluene	13.80	91	1767585	8.68	ppbv		99
42) trans-1,3-Dichloropropene	14.10	75	688644	8.32	ppbv		98
43) 1,1,2-Trichloroethane	14.38	97	590718	8.91	ppbv		98
44) Tetrachloroethene	14.50	166	1003018	8.89	ppbv		100
45) 2-Hexanone	14.58	43	425318	9.77	ppbv		98
46) Chlorodibromomethane	14.93	129	1010876	9.09	ppbv		100
47) 1,2-Dibromoethane	15.16	107	851354	8.81	ppbv		98
49) Chlorobenzene	15.76	112	1192798	8.99	ppbv		96
50) Ethylbenzene	15.80	91	1891165	8.62	ppbv		97

(#) = qualifier out of range (m) = manual integration
03171105.D 031611V1.M Wed Apr 13 10:12:46 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171105.D Vial: 1
Acq On : 17 Mar 2011 12:07 pm Operator: Michael Truchan
Sample : TO15 L4 40cc voa101910d Inst : GC/MS Ins
Misc : ICAL EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Thu Mar 17 14:47:07 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

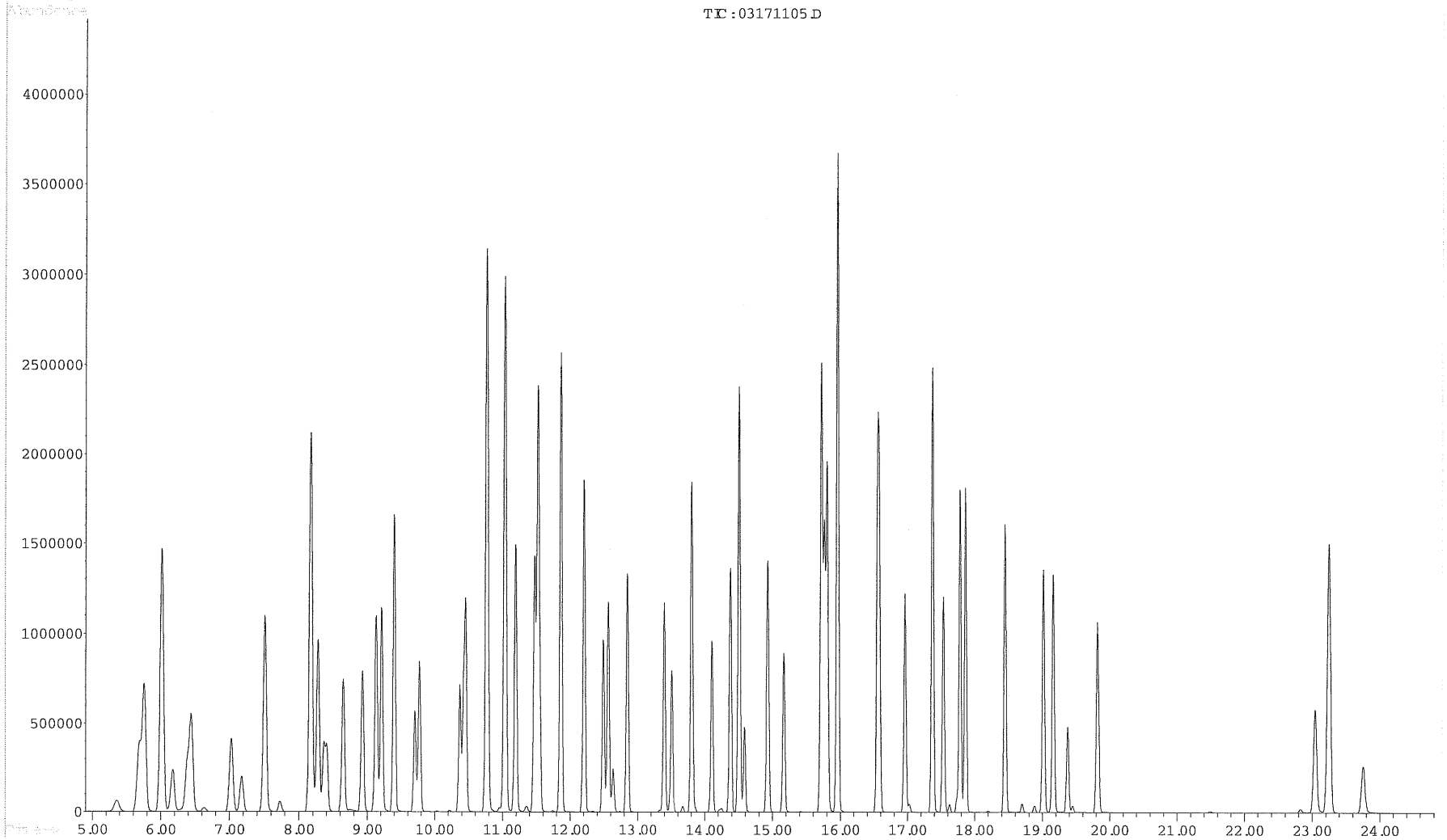
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
51)	m,p-Xylene	15.96	91	2938536	17.31	ppbv	97
52)	o-Xylene	16.55	91	1470572	8.89	ppbv	97
53)	Styrene	16.57	104	1016002	8.95	ppbv	99
54)	Bromoform	16.96	173	841378	8.84	ppbv	99
56)	1,1,2,2-Tetrachloroethane	17.53	83	859455	9.17	ppbv	98
57)	4-Ethyltoluene	17.78	105	1687177	8.54	ppbv	98
58)	1,3,5-Trimethylbenzene	17.86	105	1369110	8.40	ppbv	98
59)	1,2,4-Trimethylbenzene	18.45	105	1276666	8.77	ppbv	98
60)	1,3-Dichlorobenzene	19.01	146	880856	8.70	ppbv	99
61)	1,4-Dichlorobenzene	19.16	146	843762	8.71	ppbv	100
62)	Benzyl chloride	19.37	91	549671	8.67	ppbv	99
63)	1,2-Dichlorobenzene	19.81	146	754425	8.63	ppbv	99
64)	1,2,4-Trichlorobenzene	23.04	180	446787	8.96	ppbv	97
65)	Hexachlorobutadiene	23.24	225	746486	8.56	ppbv	99
66)	Naphthalene	23.75	128	539735	8.90	ppbv	100

(#) = qualifier out of range (m) = manual integration
03171105.D 031611V1.M Wed Apr 13 10:12:46 2011 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171105.D Vial: 1
Acq On : 17 Mar 2011 12:07 pm Operator: Michael Truchan
Sample : TO15 L4 40cc voa101910d Inst : GC/MS Ins
Misc : ICAL EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171106.D Vial: 1
Acq On : 17 Mar 2011 12:47 pm Operator: Michael Truchan
Sample : TO15 L5 48cc voa101910d Inst : GC/MS Ins
Misc : ICAL EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Thu Mar 17 14:47:07 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	761450	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2701361	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.72	117	1897863	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1174064	12.34	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 98.72%				
Target Compounds							Qvalue
2) Propylene	5.68	41	651537	11.41	ppbv		99
3) Dichlorodifluoromethane	5.75	85	1924626	10.26	ppbv		100
4) 1,2-Dichloro-1,2,2,2-tetra	6.01	135	1456960	10.56	ppbv		95
5) Chloromethane	6.17	50	671712	10.39	ppbv		99
6) Vinyl chloride	6.38	62	757034	10.35	ppbv		99
7) 1,3-Butadiene	6.44	39	631525	10.97	ppbv		99
8) Bromomethane	7.02	94	701531	10.47	ppbv		99
9) Chloroethane	7.17	64	400833	10.29	ppbv		99
10) Trichlorofluoromethane	7.50	101	1925124	10.75	ppbv		99
11) Ethanol	7.73	45	124373	9.83	ppbv		99
12) Freon113	8.16	101	1606842	11.17	ppbv		97
13) 1,1-Dichloroethene	8.27	61	1169540	11.09	ppbv		96
14) Acetone	8.36	43	961219	10.24	ppbv		99
15) Carbon disulfide	8.64	76	2050425	10.90	ppbv	#	100
16) 2-Propanol	8.40	45	755799	11.19	ppbv	#	1
17) Methylene chloride	8.93	49	846574	11.04	ppbv		94
18) tert-Butyl Methyl Ether	9.13	73	1726080	9.91	ppbv		100
19) trans-1,2-Dichloroethene	9.21	61	1097754	11.06	ppbv		95
20) n-Hexane	9.40	57	1240312	11.15	ppbv		99
21) 1,1-Dichloroethane	9.77	63	1320236	10.81	ppbv		100
22) Vinyl acetate	9.70	43	1275066	10.21	ppbv		99
23) cis-1,2-Dichloroethene	10.45	96	762853	10.92	ppbv		96
24) 2-Butanone	10.42	43	994976	10.28	ppbv		96
25) Ethyl acetate	10.37	43	1259569	10.43	ppbv	#	100
26) Tetrahydrofuran	10.76	42	673837	10.62	ppbv		98
27) Chloroform	10.77	83	1403783	10.58	ppbv		100
28) 1,1,1-Trichloroethane	11.03	97	1441381	10.51	ppbv		99
29) Cyclohexane	11.04	56	1211615	10.76	ppbv		97
30) Carbon tetrachloride	11.19	117	1435774	10.46	ppbv		100
31) Benzene	11.47	78	1870676	9.94	ppbv		99
32) 1,2-Dichloroethane	11.55	62	770574	10.17	ppbv		99
34) Heptane	11.52	43	1373349	10.53	ppbv		97
35) Trichloroethene	12.20	130	946290	10.27	ppbv		98
36) 1,2-Dichloropropane	12.56	63	662600	10.19	ppbv		100
37) 1,4-Dioxane	12.63	88	267108	10.32	ppbv		98
38) Bromodichloromethane	12.84	83	1305267	10.25	ppbv		99
39) cis-1,3-Dichloropropene	13.39	75	1008315	10.08	ppbv		98
40) 4-Methyl-2-pentanone	13.51	58	317760	10.69	ppbv		98
41) Toluene	13.80	91	2019751	9.92	ppbv		99
42) trans-1,3-Dichloropropene	14.10	75	798165	9.64	ppbv		98
43) 1,1,2-Trichloroethane	14.38	97	677347	10.22	ppbv		98
44) Tetrachloroethene	14.50	166	1151110	10.20	ppbv		100
45) 2-Hexanone	14.59	43	492186	11.31	ppbv		99
46) Chlorodibromomethane	14.93	129	1156598	10.40	ppbv		100
47) 1,2-Dibromoethane	15.17	107	971173	10.05	ppbv		99
49) Chlorobenzene	15.76	112	1363855	10.22	ppbv		97
50) Ethylbenzene	15.80	91	2155720	9.77	ppbv		98

(#) = qualifier out of range (m) = manual integration
03171106.D 031611V1.M Wed Apr 13 10:12:52 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171106.D Vial: 1
Acq On : 17 Mar 2011 12:47 pm Operator: Michael Truchan
Sample : TO15 L5 48cc voa101910d Inst : GC/MS Ins
Misc : ICAL EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Thu Mar 17 14:47:07 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

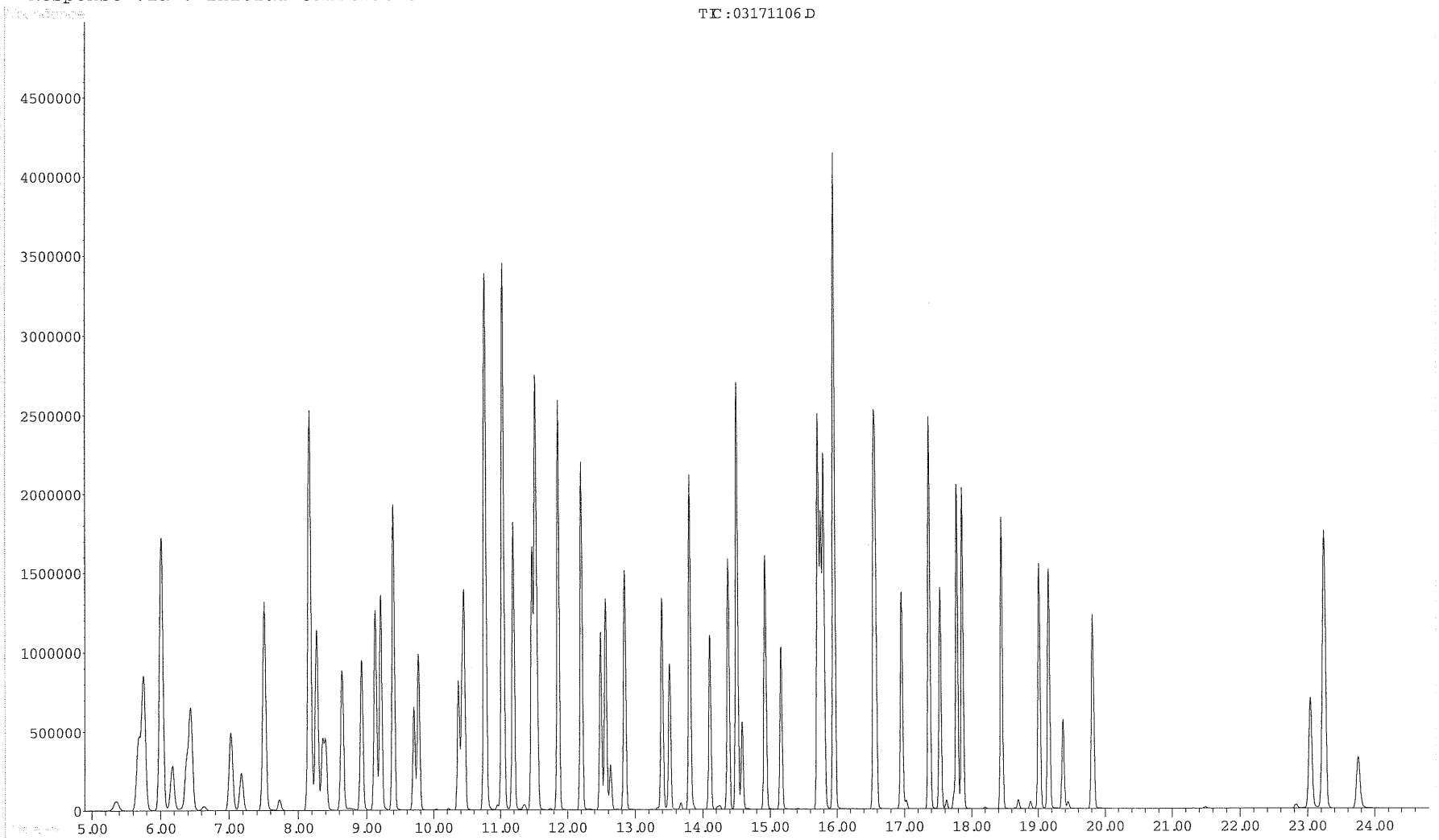
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
51)	m,p-Xylene	15.96	91	3298530	19.31	ppbv	97
52)	o-Xylene	16.55	91	1665348	10.01	ppbv	97
53)	Styrene	16.57	104	1164473	10.20	ppbv	99
54)	Bromoform	16.96	173	951983	9.94	ppbv	100
56)	1,1,2,2-Tetrachloroethane	17.53	83	979088	10.38	ppbv	99
57)	4-Ethyltoluene	17.78	105	1918171	9.65	ppbv	98
58)	1,3,5-Trimethylbenzene	17.86	105	1529707	9.33	ppbv	98
59)	1,2,4-Trimethylbenzene	18.45	105	1458140	9.96	ppbv	99
60)	1,3-Dichlorobenzene	19.01	146	998351	9.80	ppbv	100
61)	1,4-Dichlorobenzene	19.16	146	958544	9.84	ppbv	99
62)	Benzyl chloride	19.37	91	636604	9.98	ppbv	99
63)	1,2-Dichlorobenzene	19.82	146	862999	9.81	ppbv	99
64)	1,2,4-Trichlorobenzene	23.04	180	538217	10.73	ppbv	98
65)	Hexachlorobutadiene	23.24	225	864097	9.85	ppbv	99
66)	Naphthalene	23.75	128	669793	10.98	ppbv	100

(#) = qualifier out of range (m) = manual integration
03171106.D 031611V1.M Wed Apr 13 10:12:52 2011 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171106.D Vial: 1
Acq On : 17 Mar 2011 12:47 pm Operator: Michael Truchan
Sample : TO15 L5 48cc voa101910d Inst : GC/MS Ins
Misc : ICAL EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171107.D Vial: 1
Acq On : 17 Mar 2011 1:27 pm Operator: Michael Truchan
Sample : TO15 L6 60cc voa101910d Inst : GC/MS Ins
Misc : ICAL EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Thu Mar 17 14:47:07 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	745538	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2647543	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.72	117	1875991	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1181628	12.57	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 100.56%				
Target Compounds							Qvalue
2) Propylene	5.69	41	783608	14.02	ppbv		99
3) Dichlorodifluoromethane	5.76	85	2312397	12.59	ppbv		100
4) 1,2-Dichloro-1,2,2,2-tetra	6.01	135	1759629	13.02	ppbv		94
5) Chloromethane	6.18	50	804997	12.72	ppbv		99
6) Vinyl chloride	6.39	62	870873	12.16	ppbv		100
7) 1,3-Butadiene	6.44	39	719827	12.77	ppbv		99
8) Bromomethane	7.02	94	850924	12.97	ppbv		99
9) Chloroethane	7.18	64	488395	12.80	ppbv		99
10) Trichlorofluoromethane	7.51	101	2304984	13.15	ppbv		100
11) Ethanol	7.73	45	164699	13.29	ppbv		100
12) Freon113	8.17	101	1893744	13.45	ppbv		97
13) 1,1-Dichloroethene	8.27	61	1394933	13.51	ppbv		96
14) Acetone	8.36	43	1233515	13.43	ppbv		99
15) Carbon disulfide	8.65	76	2455961	13.34	ppbv	#	100
16) 2-Propanol	8.40	45	984916	14.89	ppbv		99
17) Methylene chloride	8.93	49	1011826	13.48	ppbv		94
18) tert-Butyl Methyl Ether	9.13	73	2221183	13.03	ppbv		99
19) trans-1,2-Dichloroethene	9.21	61	1301427	13.39	ppbv		96
20) n-Hexane	9.40	57	1480696	13.60	ppbv		99
21) 1,1-Dichloroethane	9.77	63	1597017	13.35	ppbv		99
22) Vinyl acetate	9.70	43	1659298	13.57	ppbv		99
23) cis-1,2-Dichloroethene	10.46	96	937425	13.71	ppbv		96
24) 2-Butanone	10.42	43	1303697	13.75	ppbv		96
25) Ethyl acetate	10.37	43	1660670	14.05	ppbv	#	100
26) Tetrahydrofuran	10.76	42	865592	13.93	ppbv		98
27) Chloroform	10.78	83	1717774	13.22	ppbv		100
28) 1,1,1-Trichloroethane	11.03	97	1754853	13.07	ppbv		99
29) Cyclohexane	11.04	56	1439287	13.06	ppbv		98
30) Carbon tetrachloride	11.19	117	1771810	13.18	ppbv		99
31) Benzene	11.47	78	2366258	12.84	ppbv		99
32) 1,2-Dichloroethane	11.55	62	966268	13.02	ppbv		100
34) Heptane	11.52	43	1680537	13.14	ppbv		98
35) Trichloroethene	12.20	130	1189777	13.18	ppbv		98
36) 1,2-Dichloropropane	12.56	63	864281	13.57	ppbv		100
37) 1,4-Dioxane	12.64	88	368017	14.50	ppbv		99
38) Bromodichloromethane	12.84	83	1651363	13.23	ppbv		99
39) cis-1,3-Dichloropropene	13.39	75	1300410	13.26	ppbv		99
40) 4-Methyl-2-pentanone	13.51	58	434654	14.92	ppbv		98
41) Toluene	13.80	91	2612567	13.09	ppbv		100
42) trans-1,3-Dichloropropene	14.11	75	1042874	12.85	ppbv		98
43) 1,1,2-Trichloroethane	14.38	97	883434	13.59	ppbv		98
44) Tetrachloroethene	14.50	166	1448170	13.09	ppbv		100
45) 2-Hexanone	14.58	43	679260	15.92	ppbv		99
46) Chlorodibromomethane	14.93	129	1503469	13.79	ppbv		100
47) 1,2-Dibromoethane	15.16	107	1270284	13.41	ppbv		99
49) Chlorobenzene	15.76	112	1783730	13.52	ppbv		98
50) Ethylbenzene	15.80	91	2784414	12.77	ppbv		98

(#) = qualifier out of range (m) = manual integration
03171107.D 031611V1.M Wed Apr 13 10:12:57 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171107.D Vial: 1
Acq On : 17 Mar 2011 1:27 pm Operator: Michael Truchan
Sample : TO15 L6 60cc voa101910d Inst : GC/MS Ins
Misc : ICAL EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011 Quant Results File: 031611V1.RES

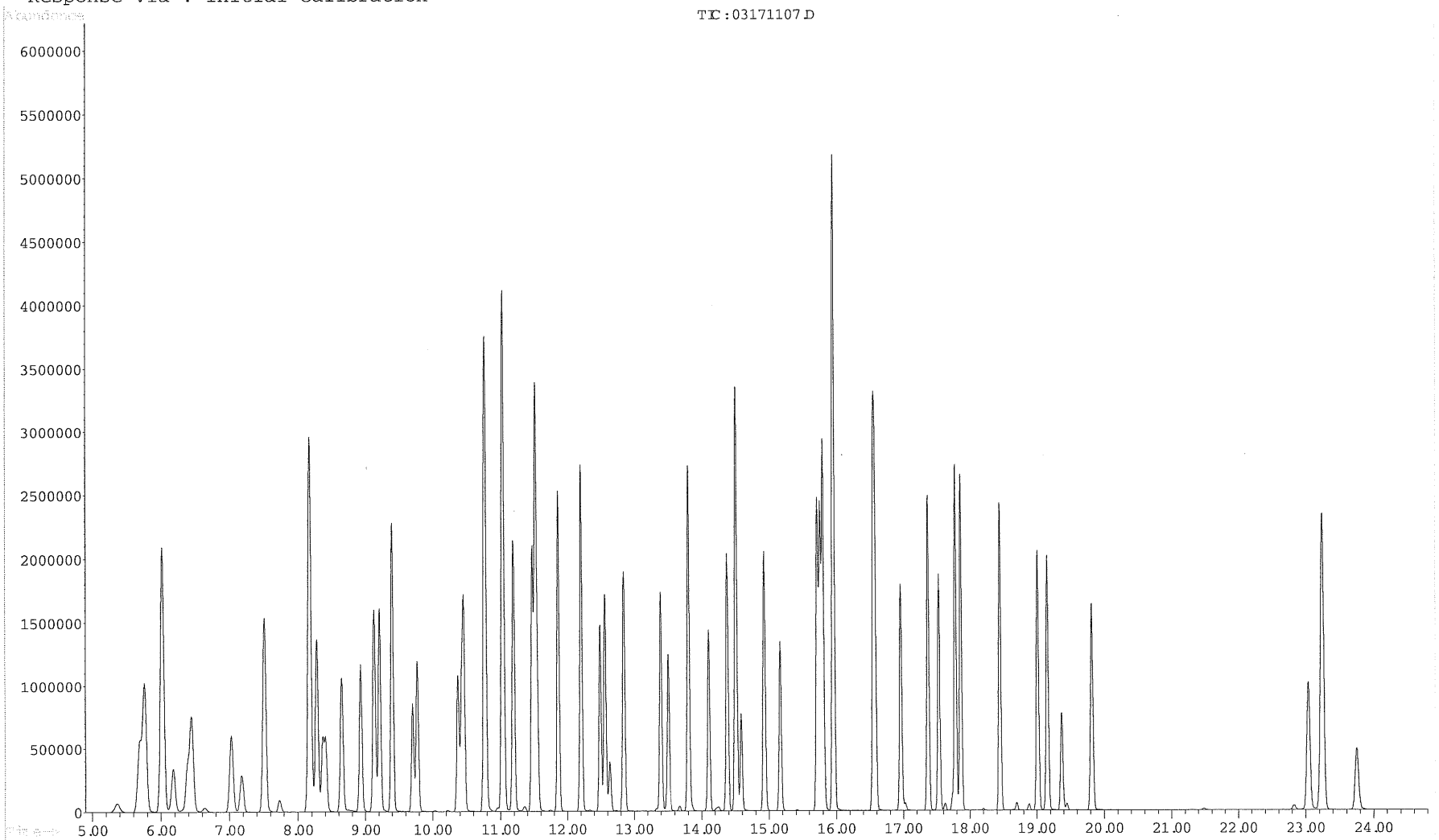
Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Thu Mar 17 14:47:07 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
51)	m,p-Xylene	15.96	91	4198184	24.86	ppbv	98
52)	o-Xylene	16.55	91	2178030	13.24	ppbv	98
53)	Styrene	16.57	104	1543759	13.68	ppbv	99
54)	Bromoform	16.96	173	1249884	13.21	ppbv	99
56)	1,1,2,2-Tetrachloroethane	17.53	83	1304060	13.99	ppbv	100
57)	4-Ethyltoluene	17.78	105	2548731	12.97	ppbv	98
58)	1,3,5-Trimethylbenzene	17.86	105	2030827	12.53	ppbv	99
59)	1,2,4-Trimethylbenzene	18.45	105	1926982	13.31	ppbv	99
60)	1,3-Dichlorobenzene	19.01	146	1314771	13.05	ppbv	100
61)	1,4-Dichlorobenzene	19.16	146	1251034	12.99	ppbv	99
62)	Benzyl chloride	19.37	91	882939	14.01	ppbv	100
63)	1,2-Dichlorobenzene	19.82	146	1132220	13.01	ppbv	100
64)	1,2,4-Trichlorobenzene	23.04	180	772344	15.57	ppbv	99
65)	Hexachlorobutadiene	23.24	225	1162990	13.41	ppbv	99
66)	Naphthalene	23.75	128	957818	15.88	ppbv	100

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171107.D Vial: 1
Acq On : 17 Mar 2011 1:27 pm Operator: Michael Truchan
Sample : TO15 L6 60cc voa101910d Inst : GC/MS Ins
Misc : ICAL EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171108.D Vial: 1
Acq On : 17 Mar 2011 2:08 pm Operator: Michael Truchan
Sample : TO15 L7 80cc voa101910d Inst : GC/MS Ins
Misc : ICAL EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Thu Mar 17 14:47:07 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.76	130	745277	12.50	ppbv		0.00
33) 1,4-Difluorobenzene	11.86	114	2670536	12.50	ppbv		0.00
48) Chlorobenzene-d5	15.72	117	1929374	12.50	ppbv		0.00
System Monitoring Compounds							
55) 4-Bromofluorobenzene	17.37	95	1218061	12.60	ppbv		0.00
Spiked Amount 12.500	Range 70 - 113		Recovery = 100.80%				
Target Compounds							Qvalue
2) Propylene	5.68	41	1040350	18.62	ppbv		99
3) Dichlorodifluoromethane	5.76	85	3025455	16.48	ppbv		99
4) 1,2-Dichloro-1,2,2,2-tetra	6.01	135	2320593	17.18	ppbv		95
5) Chloromethane	6.17	50	1045350	16.52	ppbv		100
6) Vinyl chloride	6.38	62	1106267	15.45	ppbv		99
7) 1,3-Butadiene	6.44	39	838930	14.89	ppbv		98
8) Bromomethane	7.03	94	1133992	17.29	ppbv		99
9) Chloroethane	7.17	64	646530	16.95	ppbv		99
10) Trichlorofluoromethane	7.51	101	2996928	17.10	ppbv		99
11) Ethanol	7.73	45	207692	16.77	ppbv		99
12) Freon113	8.17	101	2458277	17.46	ppbv		97
13) 1,1-Dichloroethene	8.27	61	1824582	17.68	ppbv		97
14) Acetone	8.36	43	1530818	16.67	ppbv		99
15) Carbon disulfide	8.64	76	3259620	17.71	ppbv	#	100
16) 2-Propanol	8.40	45	1241724	18.78	ppbv	#	1
17) Methylene chloride	8.93	49	1326116	17.67	ppbv		95
18) tert-Butyl Methyl Ether	9.13	73	2758517	16.19	ppbv		100
19) trans-1,2-Dichloroethene	9.21	61	1716939	17.67	ppbv		96
20) n-Hexane	9.40	57	1908051	17.53	ppbv		99
21) 1,1-Dichloroethane	9.77	63	2074304	17.35	ppbv		100
22) Vinyl acetate	9.70	43	2081846	17.03	ppbv		99
23) cis-1,2-Dichloroethene	10.45	96	1212487	17.74	ppbv		96
24) 2-Butanone	10.42	43	1676518	17.69	ppbv		96
25) Ethyl acetate	10.37	43	2067851	17.50	ppbv	#	100
26) Tetrahydrofuran	10.76	42	1081980	17.42	ppbv		98
27) Chloroform	10.78	83	2162470	16.65	ppbv		100
28) 1,1,1-Trichloroethane	11.03	97	2191827	16.33	ppbv		99
29) Cyclohexane	11.04	56	1812352	16.45	ppbv		98
30) Carbon tetrachloride	11.19	117	2233933	16.62	ppbv		100
31) Benzene	11.47	78	2960173	16.07	ppbv		99
32) 1,2-Dichloroethane	11.55	62	1200324	16.18	ppbv		99
34) Heptane	11.52	43	2079769	16.13	ppbv		99
35) Trichloroethene	12.20	130	1502109	16.50	ppbv		98
36) 1,2-Dichloropropane	12.56	63	1093097	17.01	ppbv		100
37) 1,4-Dioxane	12.63	88	460601	17.99	ppbv		98
38) Bromodichloromethane	12.84	83	2098653	16.67	ppbv		99
39) cis-1,3-Dichloropropene	13.39	75	1666182	16.85	ppbv		99
40) 4-Methyl-2-pentanone	13.51	58	550782	18.74	ppbv		98
41) Toluene	13.81	91	3283981	16.32	ppbv		99
42) trans-1,3-Dichloropropene	14.10	75	1345051	16.44	ppbv		98
43) 1,1,2-Trichloroethane	14.38	97	1143036	17.44	ppbv		99
44) Tetrachloroethene	14.51	166	1833409	16.43	ppbv		100
45) 2-Hexanone	14.58	43	852777	19.81	ppbv		100
46) Chlorodibromomethane	14.92	129	1911769	17.39	ppbv		99
47) 1,2-Dibromoethane	15.17	107	1611925	16.87	ppbv		100
49) Chlorobenzene	15.76	112	2302832	16.98	ppbv		98
50) Ethylbenzene	15.80	91	3531366	15.74	ppbv		99

(#) = qualifier out of range (m) = manual integration
03171108.D 031611V1.M Wed Apr 13 10:13:02 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171108.D Vial: 1
Acq On : 17 Mar 2011 2:08 pm Operator: Michael Truchan
Sample : TO15 L7 80cc voa101910d Inst : GC/MS Ins
Misc : ICAL EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011 Quant Results File: 031611V1.RES

Quant Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Thu Mar 17 14:47:07 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

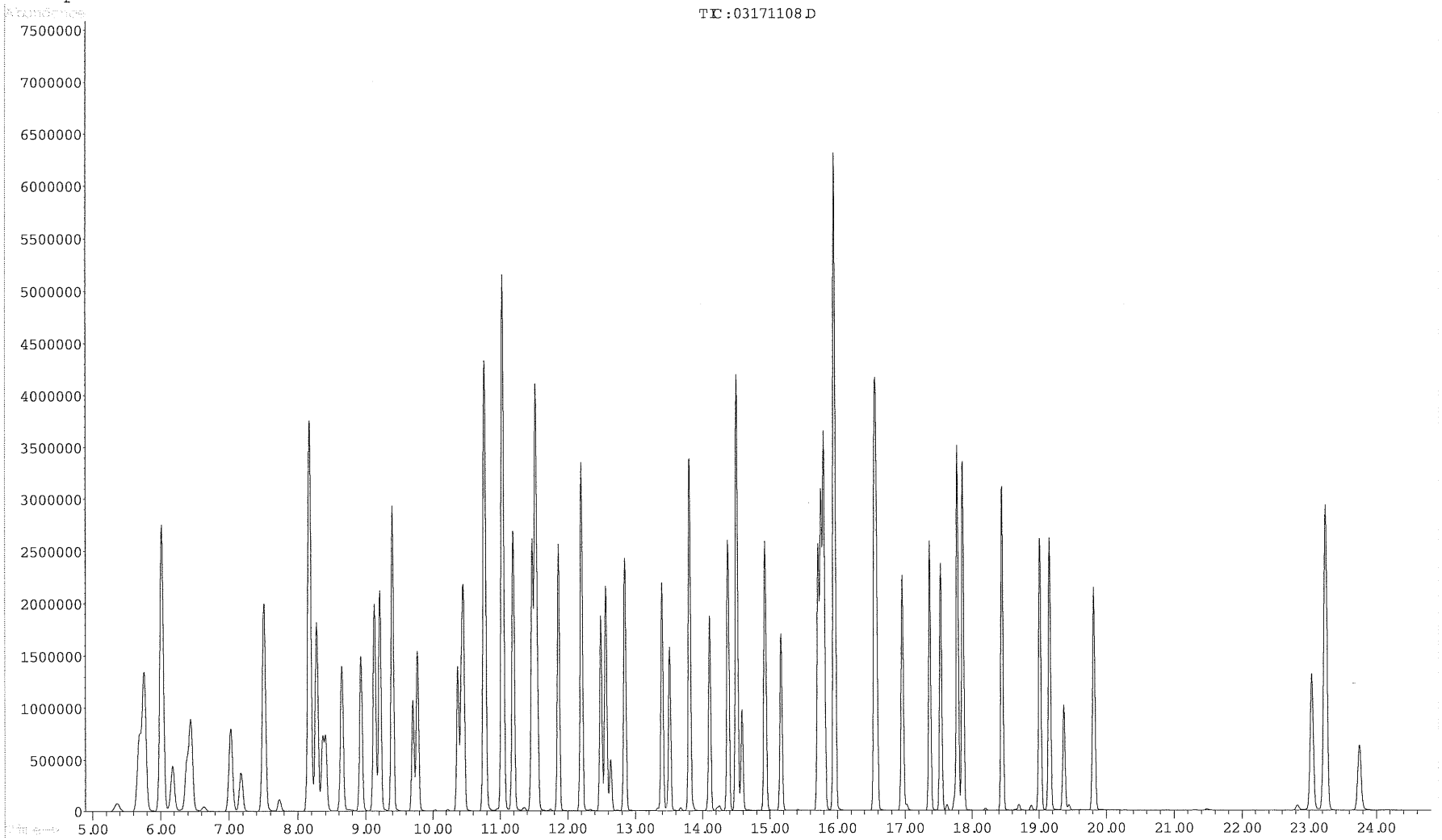
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
51)	m,p-Xylene	15.96	91	5162913	29.73	ppbv	99
52)	o-Xylene	16.55	91	2739662	16.20	ppbv	99
53)	Styrene	16.58	104	1977591	17.04	ppbv	99
54)	Bromoform	16.96	173	1588841	16.32	ppbv	99
56)	1,1,2,2-Tetrachloroethane	17.53	83	1693709	17.66	ppbv	100
57)	4-Ethyltoluene	17.78	105	3238640	16.02	ppbv	99
58)	1,3,5-Trimethylbenzene	17.86	105	2592369	15.55	ppbv	99
59)	1,2,4-Trimethylbenzene	18.45	105	2485539	16.69	ppbv	100
60)	1,3-Dichlorobenzene	19.01	146	1678648	16.20	ppbv	99
61)	1,4-Dichlorobenzene	19.16	146	1589395	16.05	ppbv	99
62)	Benzyl chloride	19.37	91	1132898	17.48	ppbv	100
63)	1,2-Dichlorobenzene	19.82	146	1457725	16.29	ppbv	99
64)	1,2,4-Trichlorobenzene	23.04	180	974734	19.11	ppbv	98
65)	Hexachlorobutadiene	23.25	225	1428542	16.01	ppbv	100
66)	Naphthalene	23.75	128	1216273	19.61	ppbv	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171108.D Vial: 1
Acq On : 17 Mar 2011 2:08 pm Operator: Michael Truchan
Sample : TO15 L7 80cc voa101910d Inst : GC/MS Ins
Misc : ICAL EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 11:02 2011 Quant Results File: 031611V1.RES

Method : C:\HPCHEM\1\METHODS\031611V1.M (RTE Integrator)
Title : TO15 ppbv
Last Update : Tue Mar 22 10:04:31 2011
Response via : Initial Calibration



GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\031711\03171109.D
Tune Time : 17 Mar 2011 2:49 pm

Daily Calibration File : C:\HPCHEM\1\DATA\030711\03071105.D

			811415	2951230	2172950
File	Sample	Surrogate Recovery %	Internal Standard Responses		
03171109.D	BFB 50cc	99	746843	2657974	1799264
03171110.D	TO15 CCV	101	740828	2609749	1877157
03171112.D	TO15 RLV	100	756991	2740375	1898605
03171113.D	APH CCV	100	757964	2764226	1969167
03171114.D	APH RLVS	98	755296	2712486	1931106
03171115.D	MBLK	101	685918	2476925	1721859
03171116.D	1103120-	108	659327	2534146	1876269
03171117.D	1103120-	105	351135*	1158588*	1185347
03171118.D	1103120-	102	256454*	1098525*	1073267*
03171119.D	1103120-	108	574372	1797878	885197*
03171120.D	1103120-	152*	552233	1874101	1016859*
03171121.D	1103120-	217*	404473*	1261838*	612692*
03171122.D	1103120-	88	683786	2434587	1776111
03171123.D	1103120-	98	430501	1210276*	1370027
03171124.D	1103120-	142*	397926*	1108579*	1127383
03171125.D	1103120-	181*	234181*	882208*	789934*
03171126.D	1103120-	96	738697	2637574	1899488
03171127.D	1103120-	96	749854	2685575	1952894
03171128.D	1103120-	103	703561	2441192	1867057
03171129.D	1103120-	102	703011	2440720	1838168
03171130.D	1103120-	101	764903	2682371	2063550
03171131.D	1103120-	96	772944	2751429	2015626
03171132.D	1103120-	100	680107	2296985	1953442
03171133.D	1103120-	94	541117	1690887	1039135*
03171134.D	1103120-	156*	734029	2726026	1257676
03171135.D	1103120-	143*	710376	2709605	1342520
03171136.D	1103120-	119*	671163	2470243	1560222
03171137.D	1103120-	103	671121	2572251	1802890
03171138.D	TO15 RLV	99	670528	2519536	1759374

t - fails 24hr time check * - fails criteria

Created: Wed Apr 13 10:18:37 2011 GC MS Ins

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\032311\03231101.D
Tune Time : 23 Mar 2011 9:18 am

Daily Calibration File : C:\HPCHEM\1\DATA\030711\03071105.D

File	Sample	Surrogate Recovery %	Internal Standard Responses		
			811415	2951230	2172950
03231101.D	BFB 50cc	96	613780	2101105	1428258
03231102.D	TO15 CCV	102	607142	2156154	1589234
03231103.D	TO15 RLV	101	624855	2276362	1591606
03231106.D	MBLK	102	626247	2263129	1608496
03231108.D	1103120-	100	605741	2189049	1510310
03231109.D	1103120-	105	570284	2058448	1444364
03231110.D	1103120-	100	560359	1994238	1392907
03231111.D	1103120-	101	561562	2000002	1407953
03231112.D	1103120-	101	552628	2022368	1387100
03231113.D	1103120-	97	534243	1901655	1304428
03231114.D	1103120-	106	539746	2053248	1422908
03231115.D	1103120-	105	536589	2011093	1382804
03231116.D	1103120-	102	550170	2024983	1433821
03231117.D	1103120-	104	526162	1960617	1338008
03231118.D	1103120-	105	540417	2060104	1422860
03231119.D	1103120-	105	504145	1864221	1264417
03231120.D	1103120-	105	498011	1864791	1266648
03231121.D	1103120-	105	515280	1928923	1340094
03231122.D	1103120-	103	487590	1735706	1190820
03231123.D	TO15 RLV	91	464428	1754963	1165895
03231125.D	TO15 RLV	99	520287	1872870	1270323

t - fails 24hr time check * - fails criteria

Created: Wed Apr 13 18:18:41 2011 GC MS Ins

RTI Laboratories

Run ID: VOA1_110317D **Run No.:** 39568

Analytical Run Date: 3/17/2011 **InstrumentID:** VOA1

Analyst: Michael Truchan **Column:**

Calibration ID: **Column ID:** 0.25mm, 1.4umFT

Column Length: 30m

SampID	TestCode	SampType	Batch ID	Analysis Date/Time	QA By	Q	Comments
BFB 50cc voa020211c	BFB_TUNE	TUNE	R39568	3/17/2011 2:49:00 PM	Charles O'Bryan		
APH CCV 150cc vo	MA_APH	CCV	R39568	3/17/2011 5:40:00 PM	Charles O'Bryan		
APH RLVS 20cc vo	MA_APH	RLVS	R39568	3/17/2011 6:20:00 PM	Charles O'Bryan		
MBLK 3/17/11	MA_APH	MBLK	R39568	3/17/2011 7:04:00 PM	Charles O'Bryan		
1103120-001A	MA_APH	SAMP	R39568	3/17/2011 7:47:00 PM	Charles O'Bryan		
1103120-013A	MA_APH	SAMP	R39568	3/18/2011 3:00:00 AM	Charles O'Bryan		
1103120-013ADUP	MA_APH	DUP	R39568	3/18/2011 3:41:00 AM	Charles O'Bryan		
1103120-002A	MA_APH	SAMP	R39568	3/18/2011 4:22:00 AM	Charles O'Bryan		
1103120-003A	MA_APH	SAMP	R39568	3/18/2011 5:03:00 AM	Charles O'Bryan		
1103120-009A	MA_APH	SAMP	R39568	3/18/2011 8:38:00 AM	Charles O'Bryan		
1103120-004A	MA_APH	SAMP	R39568	3/18/2011 10:00:00 AM	Charles O'Bryan		
1103120-005A	MA_APH	SAMP	R39568	3/18/2011 10:40:00 AM	Charles O'Bryan		
1103120-006A	MA_APH	SAMP	R39568	3/18/2011 11:21:00 AM	Charles O'Bryan		
1103120-007A	MA_APH	SAMP	R39568	3/18/2011 12:01:00 PM	Charles O'Bryan		
1103120-008A	MA_APH	SAMP	R39568	3/18/2011 12:42:00 PM	Charles O'Bryan		
1103120-010A	MA_APH	SAMP	R39568	3/18/2011 1:23:00 PM	Charles O'Bryan		
APH RLVS 20cc vo	MA_APH	RLVS	R39568	3/18/2011 2:45:00 PM	Charles O'Bryan		
BFB 50cc voa020211c	BFB_TUNE	TUNE	R39568	3/18/2011 4:39:00 PM	Charles O'Bryan		
APH CCV (2)	MA_APH	ICV	R39568	3/18/2011 6:02:00 PM	Charles O'Bryan		
MBLK 3/17/11 (2)	MA_APH	MBLK	R39568	3/18/2011 6:48:00 PM	Charles O'Bryan		
1103120-011A	MA_APH	SAMP	R39568	3/18/2011 7:29:00 PM	Charles O'Bryan		
1103120-012A	MA_APH	SAMP	R39568	3/18/2011 8:09:00 PM	Charles O'Bryan		
1103120-014A	MA_APH	SAMP	R39568	3/18/2011 8:50:00 PM	Charles O'Bryan		
1103120-015A	MA_APH	SAMP	R39568	3/18/2011 9:31:00 PM	Charles O'Bryan		
1103120-015ADUP	MA_APH	DUP	R39568	3/18/2011 10:12:00 PM	Charles O'Bryan		
APH RLVS 20cc vo	MA_APH	RLVS	R39568	3/18/2011 11:34:00 PM	Charles O'Bryan		

RTI Laboratories

ANALYTICAL RUN Summary

11-Apr-11

RunNo 39568

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751173	BFB 50cc voa020211c	BFB_TUNE	TUNE	\1\DATA\031711\3/17/2011 2:49:0		1	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
173	M		0.2	0.2		0	0	0	0	0	0	0%	0	2	0%	
174	M		88.5	88.5		0	0	0	0	0	0	0%	50	120	0%	
175	M		7.2	7.2		0	0	0	0	0	0	0%	4	9	0%	
176	M		98.3	98.3		0	0	0	0	0	0	0%	93	101	0%	
177	M		6.7	6.7		0	0	0	0	0	0	0%	5	9	0%	
50	M		16.9	16.9		0	0	0	0	0	0	0%	8	40	0%	
75	M		45.5	45.5		0	0	0	0	0	0	0%	30	66	0%	
95	M		100	100		0	0	0	0	0	0	0%	100	100	0%	
96	M		6.9	6.9		0	0	0	0	0	0	0%	5	9	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751175	APH CCV 150cc vo	MA_APH	CCV	\1\DATA\031711\3/17/2011 5:40:0		1	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	172.25	172.25		222	0	0	0	0	0	78%	70	130	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³		0		0	0	0	117	117	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	144.59	144.59		185	0	0	0	0	0	78%	70	130	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	0	0		0	0	0	133	133	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	234.54	234.54		281	0	0	0	0	0	83%	70	130	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³		0		0	0	0	249	249	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³		0		0	0	0	0	0	0	0%	0	0	0%	
non C5-C8 - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
non C9-C12 - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	86.47	86.47		89.5	0	0	0	0	0	97%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751176	APH RLVS 20cc vo	MA_APH	RLVS	\1\DATA\031711\3/17/2011 6:20:0		1	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	136.14	136.14		117	0	0	0	0	0	116%	70	130	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³		0		0	0	0	117	117	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	139.37	139.37		133	0	0	0	0	0	105%	70	130	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	0	0		0	0	0	133	133	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	259.23	259.23		249	0	0	0	0	0	104%	70	130	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³		0		0	0	0	249	249	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³		0		0	0	0	0	0	0	0%	0	0	0%	
non C5-C8 - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
non C9-C12 - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	85.37	85.37		89.5	0	0	0	0	0	95%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751178	MBLK 3/17/11	MA_APH	MBLK	\1\DATA\031711\3/17/2011 7:04:0		1	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	158.02	158.02		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	49.06	0		0	0	0	117	117	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	8.36	0		0	0	0	133	133	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	135.86	135.86		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	43.63	0		0	0	0	249	249	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	51.99	51.99		0	0	0	0	0	0	0%	0	0	0%	
non C5-C8 - TOTAL	A	µg/m³	108.96	108.96		0	0	0	0	0	0	0%	0	0	0%	
non C9-C12 - TOTAL	A	µg/m³	83.87	83.87		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	87.28	87.28		89.5	0	0	0	0	0	98%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751623	1103120-001A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711\3/17/2011 7:47:0		2	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	580.32	1160.64		0	0	0	0	0	0	0%	0	0	0%	B
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	380.4	760.8		0	0	0	234	234	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	15.6	0		0	0	0	266	266	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	255.47	510.94		0	0	0	0	0	0	0%	0	0	0%	B
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	120.46	0		0	0	0	498	498	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³		0		0	0	0	0	0	0	0%	0	0	0%	
non C5-C8 - TOTAL	A	µg/m³	199.92	399.84		0	0	0	0	0	0	0%	0	0	0%	B
non C9-C12 - TOTAL	A	µg/m³	119.41	238.82		0	0	0	0	0	0	0%	0	0	0%	B
Chlorobenzene-d5	I	ppbv	12.5	25		25	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	94.01	188.02		179	0	0	0	0	0	105%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751180	1103120-013A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711\3/18/2011 3:00:0		40000	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	310.94	12437600		0	0	0	0	0	0	0%	0	0	0%	B
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	189.66	7586400		0	0	0	4680000	4680000	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	8.24	0		0	0	0	5320000	5320000	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	156.36	6254400		0	0	0	0	0	0	0%	0	0	0%	B
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	54.97	0		0	0	0	9960000	9960000	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	63.21	2528400		0	0	0	0	0	0	0%	0	0	0%	B
non C5-C8 - TOTAL	A	µg/m³	121.28	4851200		0	0	0	0	0	0	0%	0	0	0%	B
non C9-C12 - TOTAL	A	µg/m³	93.15	3726000		0	0	0	0	0	0	0%	0	0	0%	B
Chlorobenzene-d5	I	ppbv	12.5	500000		500000	0	0	0	0	0	100%	80	120	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751180	1103120-013A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711	3/18/2011 3:00:0	40000	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
4-Bromofluorobenzene	S	µg/m³	83.32	3332800		3580000	0	0	0	0	0	93%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751181	1103120-013ADUP	MA_APH	DUP	\1\DATA\031711	3/18/2011 3:41:0	40000	R39568		0	751180	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	255.8	10232000		0	0	12437600	0	0	0	0%	0	0	19%	B
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	139.33	5573200		0	0	7586400	4680000	4680000	0	0%	0	0	31%	R
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	9.02	0		0	0	0	5320000	5320000	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	142.51	5700400		0	0	6254400	0	0	0	0%	0	0	9%	B
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	37.47	0		0	0	0	9960000	9960000	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	46.49	1859600		0	0	2528400	0	0	0	0%	0	0	30%	BR
non C5-C8 - TOTAL	A	µg/m³	116.47	4658800		0	0	4851200	0	0	0	0%	0	0	4%	B
non C9-C12 - TOTAL	A	µg/m³	96.02	3840800		0	0	3726000	0	0	0	0%	0	0	3%	B
Chlorobenzene-d5	I	ppbv	12.5	500000		500000	0	500000	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	83.21	3328400		3580000	0	3332800	0	0	0	93%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751182	1103120-002A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711	3/18/2011 4:22:0	80000	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	1019.45	81556000		0	0	0	0	0	0	0%	0	0	0%	B
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	823.97	65917600		0	0	0	9360000	9360000	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	12.62	0		0	0	0	10640000	10640000	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	202.27	16181600		0	0	0	0	0	0	0%	0	0	0%	B

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751182	1103120-002A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711	3/18/2011 4:22:0	80000	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	76.69	0		0	0	0	19920000	19920000	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	89.31	7144800		0	0	0	0	0	0	0%	0	0	0%	B
non C5-C8 - TOTAL	A	µg/m³	195.48	15638400		0	0	0	0	0	0	0%	0	0	0%	B
non C9-C12 - TOTAL	A	µg/m³	112.96	9036800		0	0	0	0	0	0	0%	0	0	0%	B
Chlorobenzene-d5	I	ppbv	12.5	1000000		1000000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	89.49	7159200		7160000	0	0	0	0	0	100%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751183	1103120-003A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711	3/18/2011 5:03:0	80000	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	974.49	77959200		0	0	0	0	0	0	0%	0	0	0%	B
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	779.26	62340800		0	0	0	9360000	9360000	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	12.05	0		0	0	0	10640000	10640000	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	191.97	15357600		0	0	0	0	0	0	0%	0	0	0%	B
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	69.1	0		0	0	0	19920000	19920000	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	81.15	6492000		0	0	0	0	0	0	0%	0	0	0%	B
non C5-C8 - TOTAL	A	µg/m³	195.23	15618400		0	0	0	0	0	0	0%	0	0	0%	B
non C9-C12 - TOTAL	A	µg/m³	110.82	8865600		0	0	0	0	0	0	0%	0	0	0%	B
Chlorobenzene-d5	I	ppbv	12.5	1000000		1000000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	88.23	7058400		7160000	0	0	0	0	0	99%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751184	1103120-009A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711\3/18/2011 8:38:0		80000	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	1132.94	90635200		0	0	0	0	0	0	0%	0	0	0%	B
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	917.18	73374400		0	0	0	9360000	9360000	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	7.86	0		0	0	0	10640000	10640000	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	180.24	14419200		0	0	0	0	0	0	0%	0	0	0%	B
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	66.16	0		0	0	0	19920000	19920000	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	74.02	5921600		0	0	0	0	0	0	0%	0	0	0%	B
non C5-C8 - TOTAL	A	µg/m³	215.76	17260800		0	0	0	0	0	0	0%	0	0	0%	B
non C9-C12 - TOTAL	A	µg/m³	106.22	8497600		0	0	0	0	0	0	0%	0	0	0%	B
Chlorobenzene-d5	I	ppbv	12.5	1000000		1000000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	87.48	6998400		7160000	0	0	0	0	0	98%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751185	1103120-004A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711\3/18/2011 10:00:		40	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	2486.29	99451.6		0	0	0	0	0	0	0%	0	0	0%	B
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	2006.53	80261.2		0	0	0	4680	4680	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	7.84	0		0	0	0	5320	5320	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	1159.15	46366		0	0	0	0	0	0	0%	0	0	0%	B
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	1013.97	40558.8		0	0	0	9960	9960	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	1021.81	40872.4		0	0	0	0	0	0	0%	0	0	0%	B
non C5-C8 - TOTAL	A	µg/m³	479.76	19190.4		0	0	0	0	0	0	0%	0	0	0%	B
non C9-C12 - TOTAL	A	µg/m³	137.34	5493.6		0	0	0	0	0	0	0%	0	0	0%	B
Chlorobenzene-d5	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751185	1103120-004A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711\3/18/2011 10:00:		40	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
4-Bromofluorobenzene	S	µg/m³	86.75	3470		3580	0	0	0	0	0	97%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751186	1103120-005A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711\3/18/2011 10:40:		40	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	2010.67	80426.8		0	0	0	0	0	0	0%	0	0	0%	B
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	1675.28	67011.2		0	0	0	4680	4680	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	4.03	0		0	0	0	5320	5320	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	1117.65	44706		0	0	0	0	0	0	0%	0	0	0%	B
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	1022.73	40909.2		0	0	0	9960	9960	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	1026.76	41070.4		0	0	0	0	0	0	0%	0	0	0%	B
non C5-C8 - TOTAL	A	µg/m³	335.39	13415.6		0	0	0	0	0	0	0%	0	0	0%	B
non C9-C12 - TOTAL	A	µg/m³	90.89	3635.6		0	0	0	0	0	0	0%	0	0	0%	B
Chlorobenzene-d5	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	81.35	3254		3580	0	0	0	0	0	91%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751187	1103120-006A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711\3/18/2011 11:21:		40	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	1647.05	65882		0	0	0	0	0	0	0%	0	0	0%	B
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	1313.66	52546.4		0	0	0	4680	4680	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	215.81	8632.4		0	0	0	5320	5320	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751187	1103120-006A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711\3/18/2011 11:21:		40	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C9-C12 Aliphatic	A	µg/m³	2664.46	106578.4		0	0	0	0	0	0	0%	0	0	0%	B
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	1975.29	79011.6		0	0	0	9960	9960	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	2191.1	87644		0	0	0	0	0	0	0%	0	0	0%	B
non C5-C8 - TOTAL	A	µg/m³	333.39	13335.6		0	0	0	0	0	0	0%	0	0	0%	B
non C9-C12 - TOTAL	A	µg/m³	473.36	18934.4		0	0	0	0	0	0	0%	0	0	0%	B
Chlorobenzene-d5	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	135.16	5406.4		3580	0	0	0	0	0	151%	70	130	0%	S

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751188	1103120-007A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711\3/18/2011 12:01:		40	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	1154.49	46179.6		0	0	0	0	0	0	0%	0	0	0%	B
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	795.7	31828		0	0	0	4680	4680	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	215.23	8609.2		0	0	0	5320	5320	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	1787.37	71494.8		0	0	0	0	0	0	0%	0	0	0%	B
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	1080.01	43200.4		0	0	0	9960	9960	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	1295.24	51809.6		0	0	0	0	0	0	0%	0	0	0%	B
non C5-C8 - TOTAL	A	µg/m³	358.79	14351.6		0	0	0	0	0	0	0%	0	0	0%	B
non C9-C12 - TOTAL	A	µg/m³	492.13	19685.2		0	0	0	0	0	0	0%	0	0	0%	B
Chlorobenzene-d5	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	123.95	4958		3580	0	0	0	0	0	138%	70	130	0%	S

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751189	1103120-008A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711\3/18/2011 12:42:		40	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	1527.27	61090.8		0	0	0	0	0	0	0%	0	0	0%	B
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	1170.88	46835.2		0	0	0	4680	4680	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	8.7	0		0	0	0	5320	5320	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	1382.14	55285.6		0	0	0	0	0	0	0%	0	0	0%	B
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	1048.48	41939.2		0	0	0	9960	9960	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	1057.18	42287.2		0	0	0	0	0	0	0%	0	0	0%	B
non C5-C8 - TOTAL	A	µg/m³	356.39	14255.6		0	0	0	0	0	0	0%	0	0	0%	B
non C9-C12 - TOTAL	A	µg/m³	324.96	12998.4		0	0	0	0	0	0	0%	0	0	0%	B
Chlorobenzene-d5	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	103.21	4128.4		3580	0	0	0	0	0	115%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751190	1103120-010A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711\3/18/2011 1:23:0		40	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	199.73	7989.2		0	0	0	0	0	0	0%	0	0	0%	B
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	88.01	0		0	0	0	4680	4680	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	7.93	0		0	0	0	5320	5320	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	362.61	14504.4		0	0	0	0	0	0	0%	0	0	0%	B
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	261.51	10460.4		0	0	0	9960	9960	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	269.44	10777.6		0	0	0	0	0	0	0%	0	0	0%	B
non C5-C8 - TOTAL	A	µg/m³	111.72	4468.8		0	0	0	0	0	0	0%	0	0	0%	B
non C9-C12 - TOTAL	A	µg/m³	93.17	3726.8		0	0	0	0	0	0	0%	0	0	0%	B
Chlorobenzene-d5	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751190	1103120-010A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711\3/18/2011 1:23:0		40	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
4-Bromofluorobenzene	S	µg/m³	88.95	3558		3580	0	0	0	0	0	99%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751177	APH RLVS 20cc vo	MA_APH	RLVS	\1\DATA\031711\3/18/2011 2:45:0		1	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	123.89	123.89		117	0	0	0	0	0	106%	70	130	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³		0		0	0	0	117	117	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	124.72	124.72		133	0	0	0	0	0	94%	70	130	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	0	0		0	0	0	133	133	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	226.65	226.65		249	0	0	0	0	0	91%	70	130	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³		0		0	0	0	249	249	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³		0		0	0	0	0	0	0	0%	0	0	0%	
non C5-C8 - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
non C9-C12 - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	86.66	86.66		89.5	0	0	0	0	0	97%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751759	BFB 50cc voa020211c	BFB_TUNE	TUNE	\1\DATA\031711\3/18/2011 4:39:0		1	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
173	M		0.4	0.4		0	0	0	0	0	0	0%	0	2	0%	
174	M		89.8	89.8		0	0	0	0	0	0	0%	50	120	0%	
175	M		7.3	7.3		0	0	0	0	0	0	0%	4	9	0%	
176	M		98	98		0	0	0	0	0	0	0%	93	101	0%	
177	M		6.8	6.8		0	0	0	0	0	0	0%	5	9	0%	
50	M		16.3	16.3		0	0	0	0	0	0	0%	8	40	0%	
75	M		43.9	43.9		0	0	0	0	0	0	0%	30	66	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751759	BFB 50cc voa020211c	BFB_TUNE	TUNE	\1\DATA\031711\3/18/2011 4:39:0		1	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
95	M		100	100		0	0	0	0	0	0	0%	100	100	0%	
96	M		7	7		0	0	0	0	0	0	0%	5	9	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751777	APH CCV (2)	MA_APH	ICV	\1\DATA\031711\3/18/2011 6:02:0		1	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	157.35	157.35		222	0	0	0	0	0	71%	70	130	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³		0		0	0	0	117	117	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	137.65	137.65		185	0	0	0	0	0	74%	70	130	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	0	0		0	0	0	133	133	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	212.93	212.93		281	0	0	0	0	0	76%	70	130	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³		0		0	0	0	249	249	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³		0		0	0	0	0	0	0	0%	0	0	0%	
non C5-C8 - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
non C9-C12 - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	87.16	87.16		89.5	0	0	0	0	0	97%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751769	MBLK 3/17/11 (2)	MA_APH	MBLK	\1\DATA\031711\3/18/2011 6:48:0		1	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	170.41	170.41		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	75.76	0		0	0	0	117	117	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	9.92	0		0	0	0	133	133	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	117.07	117.07		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	30.16	0		0	0	0	249	249	0	0%	0	0	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751769	MBLK 3/17/11 (2)	MA_APH	MBLK	\1\DATA\031711\3/18/2011 6:48:0		1	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	40.08	40.08		0	0	0	0	0	0	0%	0	0	0%	
non C5-C8 - TOTAL	A	µg/m³	94.65	94.65		0	0	0	0	0	0	0%	0	0	0%	
non C9-C12 - TOTAL	A	µg/m³	76.99	76.99		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	86.74	86.74		89.5	0	0	0	0	0	97%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751770	1103120-011A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711\3/18/2011 7:29:0		40	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	1405.18	56207.2		0	0	0	0	0	0	0%	0	0	0%	B
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	842.07	33682.8		0	0	0	4680	4680	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	7.48	0		0	0	0	5320	5320	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	679.87	27194.8		0	0	0	0	0	0	0%	0	0	0%	B
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	572.56	22902.4		0	0	0	9960	9960	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	580.04	23201.6		0	0	0	0	0	0	0%	0	0	0%	B
non C5-C8 - TOTAL	A	µg/m³	563.11	22524.4		0	0	0	0	0	0	0%	0	0	0%	B
non C9-C12 - TOTAL	A	µg/m³	99.83	3993.2		0	0	0	0	0	0	0%	0	0	0%	B
Chlorobenzene-d5	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	89.46	3578.4		3580	0	0	0	0	0	100%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751771	1103120-012A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711\3/18/2011 8:09:0		40	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751771	1103120-012A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711	3/18/2011 8:09:0	40	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	1615.57	64622.8		0	0	0	0	0	0	0%	0	0	0%	B
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	1056.25	42250		0	0	0	4680	4680	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	6.97	0		0	0	0	5320	5320	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	413.25	16530		0	0	0	0	0	0	0%	0	0	0%	B
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	314.38	12575.2		0	0	0	9960	9960	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	321.35	12854		0	0	0	0	0	0	0%	0	0	0%	B
non C5-C8 - TOTAL	A	µg/m³	559.32	22372.8		0	0	0	0	0	0	0%	0	0	0%	B
non C9-C12 - TOTAL	A	µg/m³	91.9	3676		0	0	0	0	0	0	0%	0	0	0%	B
Chlorobenzene-d5	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	90.48	3619.2		3580	0	0	0	0	0	101%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751772	1103120-014A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711	3/18/2011 8:50:0	40	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	3104.86	124194.4		0	0	0	0	0	0	0%	0	0	0%	B
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	2491.48	99659.2		0	0	0	4680	4680	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	6.72	0		0	0	0	5320	5320	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	370.23	14809.2		0	0	0	0	0	0	0%	0	0	0%	B
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	215.62	0		0	0	0	9960	9960	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	222.34	8893.6		0	0	0	0	0	0	0%	0	0	0%	B
non C5-C8 - TOTAL	A	µg/m³	613.38	24535.2		0	0	0	0	0	0	0%	0	0	0%	B
non C9-C12 - TOTAL	A	µg/m³	147.89	5915.6		0	0	0	0	0	0	0%	0	0	0%	B
Chlorobenzene-d5	I	ppbv	12.5	500		500	0	0	0	0	0	100%	80	120	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751772	1103120-014A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711\3/18/2011 8:50:0		40	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
4-Bromofluorobenzene	S	µg/m³	92.97	3718.8		3580	0	0	0	0	0	104%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751773	1103120-015A (Container-01 of 01)	MA_APH	SAMP	\1\DATA\031711\3/18/2011 9:31:0		16000	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	276.71	4427360		0	0	0	0	0	0	0%	0	0	0%	B
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	181.87	2909920		0	0	0	1872000	1872000	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	6.58	0		0	0	0	2128000	2128000	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	108.4	1734400		0	0	0	0	0	0	0%	0	0	0%	B
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	24.75	0		0	0	0	3984000	3984000	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	31.33	501280		0	0	0	0	0	0	0%	0	0	0%	B
non C5-C8 - TOTAL	A	µg/m³	94.84	1517440		0	0	0	0	0	0	0%	0	0	0%	B
non C9-C12 - TOTAL	A	µg/m³	77.07	1233120		0	0	0	0	0	0	0%	0	0	0%	B
Chlorobenzene-d5	I	ppbv	12.5	200000		200000	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	91.16	1458560		1432000	0	0	0	0	0	102%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751774	1103120-015ADUP	MA_APH	DUP	\1\DATA\031711\3/18/2011 10:12:		16000	R39568		0	751773	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	265.17	4242720		0	0	4427360	0	0	0	0%	0	0	4%	B
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³	173.19	2771040		0	0	2909920	1872000	1872000	0	0%	0	0	5%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	7.26	0		0	0	0	2128000	2128000	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	109.5	1752000		0	0	1734400	0	0	0	0%	0	0	1%	B

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751774	1103120-015ADUP	MA_APH	DUP	\1\DATA\031711	3/18/2011 10:12:	16000	R39568		0	751773	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³	26.59	0		0	0	0	3984000	3984000	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³	33.85	541600		0	0	501280	0	0	0	0%	0	0	8%	B
non C5-C8 - TOTAL	A	µg/m³	91.98	1471680		0	0	1517440	0	0	0	0%	0	0	3%	B
non C9-C12 - TOTAL	A	µg/m³	75.65	1210400		0	0	1233120	0	0	0	0%	0	0	2%	B
Chlorobenzene-d5	I	ppbv	12.5	200000		200000	0	200000	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	91.51	1464160		1432000	0	1458560	0	0	0	102%	70	130	0%	

Seq No	Sample ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
751775	APH RLVS 20cc vo	MA_APH	RLVS	\1\DATA\031711	3/18/2011 11:34:	1	R39568		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C5-C8 Aliphatic	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C5-C8 Aliphatic HC - TOTAL	A	µg/m³	114.3	114.3		117	0	0	0	0	0	98%	70	130	0%	
C5-C8 Aliphatic Hydrocarbons	A	µg/m³		0		0	0	0	117	117	0	0%	0	0	0%	
C9-C10 Aromatic HC - TOTAL	A	µg/m³	110.78	110.78		133	0	0	0	0	0	83%	70	130	0%	
C9-C10 Aromatic Hydrocarbons	A	µg/m³	0	0		0	0	0	133	133	0	0%	0	0	0%	
C9-C12 Aliphatic	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
C9-C12 Aliphatic HC - TOTAL	A	µg/m³	207.72	207.72		249	0	0	0	0	0	83%	70	130	0%	
C9-C12 Aliphatic Hydrocarbons	A	µg/m³		0		0	0	0	249	249	0	0%	0	0	0%	
C9-C12 Aliphatic-Aromatic Hydrocarbons	A	µg/m³		0		0	0	0	0	0	0	0%	0	0	0%	
non C5-C8 - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
non C9-C12 - TOTAL	A	µg/m³	0	0		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ppbv	12.5	12.5		12.5	0	0	0	0	0	100%	80	120	0%	
4-Bromofluorobenzene	S	µg/m³	85.79	85.79		89.5	0	0	0	0	0	96%	70	130	0%	

Spikes and Surrogates Report

RunID: VOA1_110317D **Analyst:** Michael Truchan

RunNo: 39568

Surrogates

SeqNo	SampID	TestCode	SampType	BatchID	DF
751175	APH CCV 150cc vo	MA_APH	CCV	R39568	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	89.5	86.47	96.61%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751176	APH RLVS 20cc vo	MA_APH	RLVS	R39568	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	89.5	85.37	95.39%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751177	APH RLVS 20cc vo	MA_APH	RLVS	R39568	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	89.5	86.66	96.83%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751178	MBLK 3/17/11	MA_APH	MBLK	R39568	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	89.5	87.28	97.52%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751180	1103120-013A	MA_APH	SAMP	R39568	40000

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	3580000	3332800	93.09%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751181	1103120-013ADUP	MA_APH	DUP	R39568	40000

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	3580000	3328400	92.97%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751182	1103120-002A	MA_APH	SAMP	R39568	80000

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	7160000	7159200	99.99%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751183	1103120-003A	MA_APH	SAMP	R39568	80000

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	7160000	7058400	98.58%	70	130		

Total Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751184	1103120-009A	MA_APH	SAMP	R39568	80000

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	7160000	6998400	97.74%	70	130		

Total Out: 0

Spikes and Surrogates Report

RunID: VOA1_110317D **Analyst:** Michael Truchan

RunNo: 39568

Surrogates

SeqNo	SampID	TestCode	SampType	BatchID	DF			
751185	1103120-004A	MA_APH	SAMP	R39568	40			
Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	3580	3470	96.93%	70	130		
						Total Out:		0
751186	1103120-005A	MA_APH	SAMP	R39568	40			
Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	3580	3254	90.89%	70	130		
						Total Out:		0
751187	1103120-006A	MA_APH	SAMP	R39568	40			
Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	3580	5406.4	151.02%	70	130	S	*
						Total Out:		1
751188	1103120-007A	MA_APH	SAMP	R39568	40			
Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	3580	4958	138.49%	70	130	S	*
						Total Out:		1
751189	1103120-008A	MA_APH	SAMP	R39568	40			
Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	3580	4128.4	115.32%	70	130		
						Total Out:		0
751190	1103120-010A	MA_APH	SAMP	R39568	40			
Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	3580	3558	99.39%	70	130		
						Total Out:		0
751623	1103120-001A	MA_APH	SAMP	R39568	2			
Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	179	188.02	105.04%	70	130		
						Total Out:		0
751769	MBLK 3/17/11 (2)	MA_APH	MBLK	R39568	1			
Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	89.5	86.74	96.92%	70	130		
						Total Out:		0
751770	1103120-011A	MA_APH	SAMP	R39568	40			
Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	3580	3578.4	99.96%	70	130		
						Total Out:		0

Spikes and Surrogates Report

RunID: VOA1_110317D **Analyst:** Michael Truchan

RunNo: 39568

Surrogates

SeqNo	SampID	TestCode	SampType	BatchID	DF
751771	1103120-012A	MA_APH	SAMP	R39568	40

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	3580	3619.2	101.09%	70	130		
							Total Out:	0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751772	1103120-014A	MA_APH	SAMP	R39568	40

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	3580	3718.8	103.88%	70	130		
							Total Out:	0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751773	1103120-015A	MA_APH	SAMP	R39568	16000

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	1432000	1458560	101.85%	70	130		
							Total Out:	0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751774	1103120-015ADUP	MA_APH	DUP	R39568	16000

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	1432000	1464160	102.25%	70	130		
							Total Out:	0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751775	APH RLVS 20cc vo	MA_APH	RLVS	R39568	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	89.5	85.79	95.85%	70	130		
							Total Out:	0

SeqNo	SampID	TestCode	SampType	BatchID	DF
751777	APH CCV (2)	MA_APH	ICV	R39568	1

Rpt	Analyte:	SpkVal:	CalcVal:	REC:	LowLimit:	HighLimit:	Qual:	Out:
☑	4-Bromofluorobenzene	89.5	87.16	97.39%	70	130		
							Total Out:	0

Spikes and Surrogates Report

RunID: VOA1_110317D **Analyst:** Michael Truchan

RunNo: 39568

Spikes

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751175	APH CCV 150cc vo	MA_APH	CCV	R39568	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	C9-C12 Aliphatic HC - TOTAL	281	234.54	83.47%	70	130		
☑	C9-C10 Aromatic HC - TOTAL	185	144.59	78.16%	70	130		
☑	C5-C8 Aliphatic HC - TOTAL	222	172.25	77.59%	70	130		

Total Recoveries Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751176	APH RLVS 20cc vo	MA_APH	RLVS	R39568	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	C9-C12 Aliphatic HC - TOTAL	249	259.23	104.11%	70	130		
☑	C9-C10 Aromatic HC - TOTAL	133	139.37	104.79%	70	130		
☑	C5-C8 Aliphatic HC - TOTAL	117	136.14	116.36%	70	130		

Total Recoveries Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751177	APH RLVS 20cc vo	MA_APH	RLVS	R39568	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	C9-C12 Aliphatic HC - TOTAL	249	226.65	91.02%	70	130		
☑	C9-C10 Aromatic HC - TOTAL	133	124.72	93.77%	70	130		
☑	C5-C8 Aliphatic HC - TOTAL	117	123.89	105.89%	70	130		

Total Recoveries Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751775	APH RLVS 20cc vo	MA_APH	RLVS	R39568	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	C9-C12 Aliphatic HC - TOTAL	249	207.72	83.42%	70	130		
☑	C9-C10 Aromatic HC - TOTAL	133	110.78	83.29%	70	130		
☑	C5-C8 Aliphatic HC - TOTAL	117	114.3	97.69%	70	130		

Total Recoveries Out: 0

SeqNo	SampID	TestCode	SampType	BatchID	DF	Duplicate Of
751777	APH CCV (2)	MA_APH	ICV	R39568	1	

Rpt	Analyte	SpkVal	CalcVal	REC	LowLimit	HighLimit	Rec Out	Qual
☑	C9-C12 Aliphatic HC - TOTAL	281	212.93	75.78%	70	130		
☑	C9-C10 Aromatic HC - TOTAL	185	137.65	74.41%	70	130		
☑	C5-C8 Aliphatic HC - TOTAL	222	157.35	70.88%	70	130		

Total Recoveries Out: 0

Method Blank Contamination Report

Blank ID: MBLK 3/17/11 **Batch ID:** R39568

SeqNo: 751178 **TestCode:** MA_APH

Analysis Date: 3/17/2011 7:04:00 PM **RunID:** VOA1_110317D

Analyst: Michael Truchan **InstrumentID:** VOA1

Analyte	Result	MDL	PQL	Qual	Units:
C5-C8 Aliphatic	158.02	0	0		µg/m³
C9-C12 Aliphatic	135.86	0	0		µg/m³
C9-C12 Aliphatic-Aromatic Hydrocarbons	51.99	0	0		µg/m³
non C5-C8 - TOTAL	108.96	0	0		µg/m³
non C9-C12 - TOTAL	83.87	0	0		µg/m³

The following Samples are associated with this blank:

Sample ID	SeqNo	TestCode	SampType	RunID	BatchID	AnalDate	DF
BFB 50cc voa020211c	751173	BFB_TUNE	TUNE	VOA1_110317D	R39568	3/17/2011 2:49:00 PM	1
APH CCV 150cc vo	751175	MA_APH	CCV	VOA1_110317D	R39568	3/17/2011 5:40:00 PM	1
APH RLVS 20cc vo	751176	MA_APH	RLVS	VOA1_110317D	R39568	3/17/2011 6:20:00 PM	1
1103120-013A	751180	MA_APH	SAMP	VOA1_110317D	R39568	3/18/2011 3:00:00 AM	40000

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☐	C5-C8 Aliphatic	12437600	0	0		µg/m³
☐	C9-C12 Aliphatic	6254400	0	0		µg/m³
☐	C9-C12 Aliphatic-Aromatic Hydrocarbons	2528400	0	0		µg/m³
☐	non C5-C8 - TOTAL	4851200	0	0		µg/m³
☐	non C9-C12 - TOTAL	3726000	0	0		µg/m³

1103120-013ADUP	751181	MA_APH	DUP	VOA1_110317D	R39568	3/18/2011 3:41:00 AM	40000

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☐	C5-C8 Aliphatic	10232000	0	0		µg/m³
☐	C9-C12 Aliphatic	5700400	0	0		µg/m³
☐	C9-C12 Aliphatic-Aromatic Hydrocarbons	1859600	0	0		µg/m³
☐	non C5-C8 - TOTAL	4658800	0	0		µg/m³
☐	non C9-C12 - TOTAL	3840800	0	0		µg/m³

1103120-002A	751182	MA_APH	SAMP	VOA1_110317D	R39568	3/18/2011 4:22:00 AM	80000

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	C5-C8 Aliphatic	81556000	0	0		µg/m³
☑	C9-C12 Aliphatic	16181600	0	0		µg/m³
☑	C9-C12 Aliphatic-Aromatic Hydrocarbons	7144800	0	0		µg/m³
☑	non C5-C8 - TOTAL	15638400	0	0		µg/m³
☑	non C9-C12 - TOTAL	9036800	0	0		µg/m³

1103120-003A	751183	MA_APH	SAMP	VOA1_110317D	R39568	3/18/2011 5:03:00 AM	80000

Method Blank Contamination Report

Blank ID: MBLK 3/17/11 **Batch ID:** R39568

SeqNo: 751178 **TestCode:** MA_APH

Analysis Date: 3/17/2011 7:04:00 PM **RunID:** VOA1_110317D

Analyst: Michael Truchan **InstrumentID:** VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	C5-C8 Aliphatic	77959200	0	0		µg/m³
☑	C9-C12 Aliphatic	15357600	0	0		µg/m³
☑	C9-C12 Aliphatic-Aromatic Hydrocarbons	6492000	0	0		µg/m³
☑	non C5-C8 - TOTAL	15618400	0	0		µg/m³
☑	non C9-C12 - TOTAL	8865600	0	0		µg/m³

1103120-009A	751184	MA_APH	SAMP	VOA1_110317D	R39568	3/18/2011 8:38:00 AM	80000

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	C5-C8 Aliphatic	90635200	0	0		µg/m³
☑	C9-C12 Aliphatic	14419200	0	0		µg/m³
☑	C9-C12 Aliphatic-Aromatic Hydrocarbons	5921600	0	0		µg/m³
☑	non C5-C8 - TOTAL	17260800	0	0		µg/m³
☑	non C9-C12 - TOTAL	8497600	0	0		µg/m³

1103120-004A	751185	MA_APH	SAMP	VOA1_110317D	R39568	3/18/2011 10:00:00 AM	40

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	C5-C8 Aliphatic	99451.6	0	0		µg/m³
☑	C9-C12 Aliphatic	46366	0	0		µg/m³
☑	C9-C12 Aliphatic-Aromatic Hydrocarbons	40872.4	0	0		µg/m³
☑	non C5-C8 - TOTAL	19190.4	0	0		µg/m³
☑	non C9-C12 - TOTAL	5493.6	0	0		µg/m³

1103120-005A	751186	MA_APH	SAMP	VOA1_110317D	R39568	3/18/2011 10:40:00 AM	40

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	C5-C8 Aliphatic	80426.8	0	0		µg/m³
☑	C9-C12 Aliphatic	44706	0	0		µg/m³
☑	C9-C12 Aliphatic-Aromatic Hydrocarbons	41070.4	0	0		µg/m³
☑	non C5-C8 - TOTAL	13415.6	0	0		µg/m³
☑	non C9-C12 - TOTAL	3635.6	0	0		µg/m³

1103120-006A	751187	MA_APH	SAMP	VOA1_110317D	R39568	3/18/2011 11:21:00 AM	40

Method Blank Contamination Report

Blank ID: MBLK 3/17/11 **Batch ID:** R39568

SeqNo: 751178 **TestCode:** MA_APH

Analysis Date: 3/17/2011 7:04:00 PM **RunID:** VOA1_110317D

Analyst: Michael Truchan **InstrumentID:** VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	C5-C8 Aliphatic	65882	0	0		µg/m³
☑	C9-C12 Aliphatic	106578.4	0	0		µg/m³
☑	C9-C12 Aliphatic-Aromatic Hydrocarbons	87644	0	0		µg/m³
☑	non C5-C8 - TOTAL	13335.6	0	0		µg/m³
☑	non C9-C12 - TOTAL	18934.4	0	0		µg/m³

1103120-007A	751188	MA_APH	SAMP	VOA1_110317D	R39568	3/18/2011 12:01:00 PM	40

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	C5-C8 Aliphatic	46179.6	0	0		µg/m³
☑	C9-C12 Aliphatic	71494.8	0	0		µg/m³
☑	C9-C12 Aliphatic-Aromatic Hydrocarbons	51809.6	0	0		µg/m³
☑	non C5-C8 - TOTAL	14351.6	0	0		µg/m³
☑	non C9-C12 - TOTAL	19685.2	0	0		µg/m³

1103120-008A	751189	MA_APH	SAMP	VOA1_110317D	R39568	3/18/2011 12:42:00 PM	40

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	C5-C8 Aliphatic	61090.8	0	0		µg/m³
☑	C9-C12 Aliphatic	55285.6	0	0		µg/m³
☑	C9-C12 Aliphatic-Aromatic Hydrocarbons	42287.2	0	0		µg/m³
☑	non C5-C8 - TOTAL	14255.6	0	0		µg/m³
☑	non C9-C12 - TOTAL	12998.4	0	0		µg/m³

1103120-010A	751190	MA_APH	SAMP	VOA1_110317D	R39568	3/18/2011 1:23:00 PM	40

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	C5-C8 Aliphatic	7989.2	0	0		µg/m³
☑	C9-C12 Aliphatic	14504.4	0	0		µg/m³
☑	C9-C12 Aliphatic-Aromatic Hydrocarbons	10777.6	0	0		µg/m³
☑	non C5-C8 - TOTAL	4468.8	0	0		µg/m³
☑	non C9-C12 - TOTAL	3726.8	0	0		µg/m³

1103120-001A	751623	MA_APH	SAMP	VOA1_110317D	R39568	3/17/2011 7:47:00 PM	2

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	C5-C8 Aliphatic	1160.64	0	0		µg/m³
☑	C9-C12 Aliphatic	510.94	0	0		µg/m³
☑	non C5-C8 - TOTAL	399.84	0	0		µg/m³
☑	non C9-C12 - TOTAL	238.82	0	0		µg/m³

Method Blank Contamination Report

Blank ID: MBLK 3/17/11 (2)
SeqNo: 751769
Analysis Date: 3/18/2011 6:48:00 PM
Analyst: Michael Truchan

Batch ID: R39568A
TestCode: MA_APH
RunID: VOA1_110317D
InstrumentID: VOA1

Analyte	Result	MDL	PQL	Qual	Units:
C5-C8 Aliphatic	170.41	0	0		µg/m³
C9-C12 Aliphatic	117.07	0	0		µg/m³
C9-C12 Aliphatic-Aromatic Hydrocarbons	40.08	0	0		µg/m³
non C5-C8 - TOTAL	94.65	0	0		µg/m³
non C9-C12 - TOTAL	76.99	0	0		µg/m³

The following Samples are associated with this blank:

Sample ID	SeqNo	TestCode	SampType	RunID	BatchID	AnalDate	DF
1103120-011A	751770	MA_APH	SAMP	VOA1_110317D	R39568A	3/18/2011 7:29:00 PM	40

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	C5-C8 Aliphatic	56207.2	0	0		µg/m³
☑	C9-C12 Aliphatic	27194.8	0	0		µg/m³
☑	C9-C12 Aliphatic-Aromatic Hydrocarbons	23201.6	0	0		µg/m³
☑	non C5-C8 - TOTAL	22524.4	0	0		µg/m³
☑	non C9-C12 - TOTAL	3993.2	0	0		µg/m³

Sample ID	SeqNo	TestCode	SampType	RunID	BatchID	AnalDate	DF
1103120-012A	751771	MA_APH	SAMP	VOA1_110317D	R39568A	3/18/2011 8:09:00 PM	40

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	C5-C8 Aliphatic	64622.8	0	0		µg/m³
☑	C9-C12 Aliphatic	16530	0	0		µg/m³
☑	C9-C12 Aliphatic-Aromatic Hydrocarbons	12854	0	0		µg/m³
☑	non C5-C8 - TOTAL	22372.8	0	0		µg/m³
☑	non C9-C12 - TOTAL	3676	0	0		µg/m³

Sample ID	SeqNo	TestCode	SampType	RunID	BatchID	AnalDate	DF
1103120-014A	751772	MA_APH	SAMP	VOA1_110317D	R39568A	3/18/2011 8:50:00 PM	40

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	C5-C8 Aliphatic	124194.4	0	0		µg/m³
☑	C9-C12 Aliphatic	14809.2	0	0		µg/m³
☑	C9-C12 Aliphatic-Aromatic Hydrocarbons	8893.6	0	0		µg/m³
☑	non C5-C8 - TOTAL	24535.2	0	0		µg/m³
☑	non C9-C12 - TOTAL	5915.6	0	0		µg/m³

Sample ID	SeqNo	TestCode	SampType	RunID	BatchID	AnalDate	DF
1103120-015A	751773	MA_APH	SAMP	VOA1_110317D	R39568A	3/18/2011 9:31:00 PM	16000

Method Blank Contamination Report

Blank ID: MBLK 3/17/11 (2)
SeqNo: 751769
Analysis Date: 3/18/2011 6:48:00 PM
Analyst: Michael Truchan

Batch ID: R39568A
TestCode: MA_APH
RunID: VOA1_110317D
InstrumentID: VOA1

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☑	C5-C8 Aliphatic	4427360	0	0		µg/m³
☑	C9-C12 Aliphatic	1734400	0	0		µg/m³
☑	C9-C12 Aliphatic-Aromatic Hydrocarbons	501280	0	0		µg/m³
☑	non C5-C8 - TOTAL	1517440	0	0		µg/m³
☑	non C9-C12 - TOTAL	1233120	0	0		µg/m³

1103120-015ADUP	751774	MA_APH	DUP	VOA1_110317D	R39568A	3/18/2011 10:12:00 PM	16000

Rpt	Analyte	Result	MDL	PQL	Qual	Units:
☐	C5-C8 Aliphatic	4242720	0	0		µg/m³
☐	C9-C12 Aliphatic	1752000	0	0		µg/m³
☐	C9-C12 Aliphatic-Aromatic Hydrocarbons	541600	0	0		µg/m³
☐	non C5-C8 - TOTAL	1471680	0	0		µg/m³
☐	non C9-C12 - TOTAL	1210400	0	0		µg/m³

APH RLVS 20cc vo	751775	MA_APH	RLVS	VOA1_110317D	R39568A	3/18/2011 11:34:00 PM	1

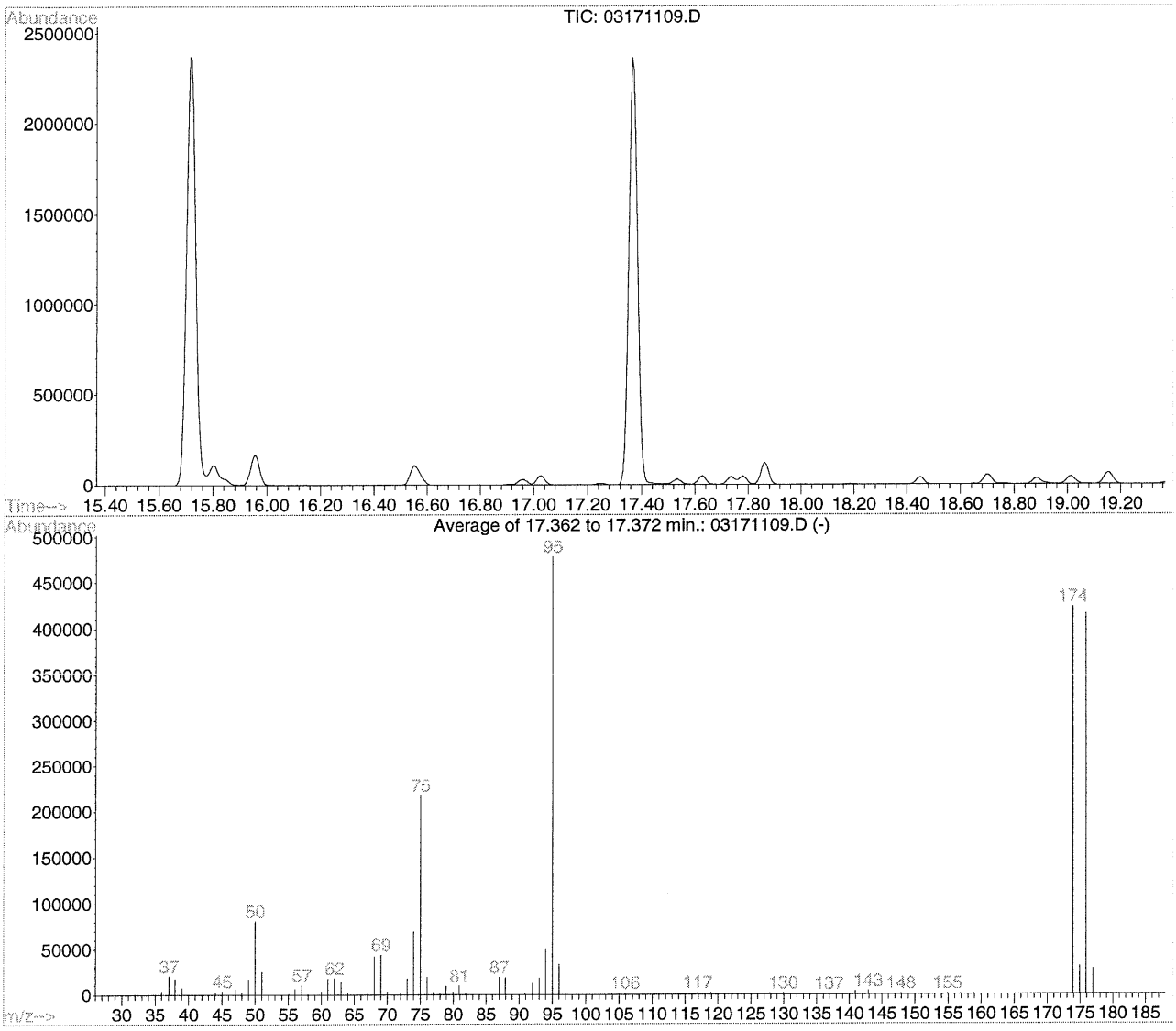
Injection Log

Directory: C:\HPCHEM\1\DATA\031711

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	03171101.d	1.	BFB 50cc voa020211c	ical EPA_TO15	17 Mar 2011 09:24
2	2	03171102.d	1.	TO15 L1 18cc voa092310d	ICAL EPA_TO15	17 Mar 2011 10:04
3	2	03171103.d	1.	TO15 L2 38cc voa092310d	ICAL EPA_TO15	17 Mar 2011 10:45
4	1	03171104.d	1.	TO15 L3 20cc voa101910d	ICAL EPA_TO15	17 Mar 2011 11:26
5	1	03171105.d	1.	TO15 L4 40cc voa101910d	ICAL EPA_TO15	17 Mar 2011 12:07
6	1	03171106.d	1.	TO15 L5 48cc voa101910d	ICAL EPA_TO15	17 Mar 2011 12:47
7	1	03171107.d	1.	TO15 L6 60cc voa101910d	ICAL EPA_TO15	17 Mar 2011 13:27
8	1	03171108.d	1.	TO15 L7 80cc voa101910d	ICAL EPA_TO15	17 Mar 2011 14:08
9	1	03171109.d	1.	BFB 50cc voa020211c	ical EPA_TO15	17 Mar 2011 14:49
10	1	03171110.d	1.	TO15 CCV 40cc voa010711a	CCV EPA_TO15	17 Mar 2011 15:29
11	2	03171112.d	1.	TO15 RLVS 20cc voa092310d	RLVS EPA_TO15	17 Mar 2011 16:59
12	3	03171113.d	1.	APH CCV 150cc voa020211b	RLVS EPA_TO15	17 Mar 2011 17:40
13	4	03171114.d	1.	APH RLVS 20cc voa020211a	RLVS EPA_TO15	17 Mar 2011 18:20
14	1	03171115.d	1.	MBLK	MBLK EPA_TO15-ug/m3	17 Mar 2011 19:04
15	3	03171116.d	2.	1103120-001A	SAMP EPA_TO15-ug/m3	17 Mar 2011 19:47
16	4	03171117.d	2.	1103120-004A	SAMP EPA_TO15-ug/m3	17 Mar 2011 20:31
17	6	03171118.d	2.	1103120-005A	SAMP EPA_TO15-ug/m3	17 Mar 2011 21:15
18	7	03171119.d	2.	1103120-006A	SAMP EPA_TO15-ug/m3	17 Mar 2011 21:58
19	8	03171120.d	2.	1103120-007A	SAMP EPA_TO15-ug/m3	17 Mar 2011 22:42
20	9	03171121.d	2.	1103120-008A	SAMP EPA_TO15-ug/m3	17 Mar 2011 23:26
21	10	03171122.d	2.	1103120-010A	SAMP EPA_TO15-ug/m3	18 Mar 2011 00:10
22	11	03171123.d	2.	1103120-011A	SAMP EPA_TO15-ug/m3	18 Mar 2011 00:53
23	12	03171124.d	2.	1103120-012A	SAMP EPA_TO15-ug/m3	18 Mar 2011 01:36
24	13	03171125.d	2.	1103120-014A	SAMP EPA_TO15-ug/m3	18 Mar 2011 02:20
25	14	03171126.d	40000.	1103120-013A	SAMP EPA_TO15-ug/m3	18 Mar 2011 03:00
26	14	03171127.d	40000.	1103120-013ADUP	DUP EPA_TO15-ug/m3	18 Mar 2011 03:41
27	15	03171128.d	80000.	1103120-002A	SAMP EPA_TO15-ug/m3	18 Mar 2011 04:22
28	16	03171129.d	80000.	1103120-003A	SAMP EPA_TO15-ug/m3	18 Mar 2011 05:03
29	1	03171130.d	80000.	1103120-009A	SAMP EPA_TO15-ug/m3	18 Mar 2011 08:38
30	1	03171131.d	80000.	1103120-015A	SAMP EPA_TO15-ug/m3	18 Mar 2011 09:19
31	4	03171132.d	40.	1103120-004A	SAMP EPA_TO15-ug/m3	18 Mar 2011 10:00
32	6	03171133.d	40.	1103120-005A	SAMP EPA_TO15-ug/m3	18 Mar 2011 10:40
33	7	03171134.d	40.	1103120-006A	SAMP EPA_TO15-ug/m3	18 Mar 2011 11:21
34	8	03171135.d	40.	1103120-007A	SAMP EPA_TO15-ug/m3	18 Mar 2011 12:01
35	9	03171136.d	40.	1103120-008A	SAMP EPA_TO15-ug/m3	18 Mar 2011 12:42
36	10	03171137.d	40.	1103120-010A	SAMP EPA_TO15-ug/m3	18 Mar 2011 13:23
37	2	03171138.d	1.	TO15 RLVS 20cc voa092310d	RLVS EPA_TO15	18 Mar 2011 14:04
38	4	03171139.d	1.	APH RLVS 20cc voa020211a	RLVS EPA_TO15	18 Mar 2011 14:45
39	1	03171140.d	1.	BFB 50cc voa020211c	ical EPA_TO15	18 Mar 2011 16:39
40	2	03171141.d	1.	TO15 CCV 40cc voa010711a	CCV EPA_TO15	18 Mar 2011 17:20
41	3	03171142.d	1.	APH CCV 150cc voa020211b	RLVS EPA_TO15	18 Mar 2011 18:02
42	1	03171143.d	1.	MBLK	MBLK EPA_TO15-ug/m3	18 Mar 2011 18:48
43	11	03171144.d	40.	1103120-011A	SAMP EPA_TO15-ug/m3	18 Mar 2011 19:29
44	12	03171145.d	40.	1103120-012A	SAMP EPA_TO15-ug/m3	18 Mar 2011 20:09
45	13	03171146.d	40.	1103120-014A	SAMP EPA_TO15-ug/m3	18 Mar 2011 20:50
46	14	03171147.d	16000.	1103120-015A	SAMP EPA_TO15-ug/m3	18 Mar 2011 21:31
47	15	03171148.d	16000.	1103120-015ADUP	DUP EPA_TO15-ug/m3	18 Mar 2011 22:12
48	2	03171149.d	1.	TO15 RLVS 20cc voa092310d	RLVS EPA_TO15	18 Mar 2011 22:53
49	4	03171150.d	1.	APH RLVS 20cc voa020211a	RLVS EPA_TO15	18 Mar 2011 23:34

BFB Tune Check (TO-15)

Data File : C:\HPCHEM\1\DATA\031711\03171109.D Vial: 1
Acq On : 17 Mar 2011 2:49 pm Operator: Michael Truchan
Sample : BFB 50cc voa020211c Inst : GC/MS Ins
Misc : ical EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3



Spectrum Information: Average of 17.362 to 17.372 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.9	80720	PASS
75	95	30	60	45.5	217707	PASS
95	95	100	100	100.0	478080	PASS
96	95	5	9	6.9	33093	PASS
173	174	0.00	2	0.2	848	PASS
174	95	50	120	88.5	422869	PASS
175	174	4	9	7.2	30421	PASS
176	174	93	101	98.3	415787	PASS
177	176	5	9	6.7	27747	PASS

03171109.D 030111V1.M Wed Apr 13 18:49:47 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171113.D Vial: 3
Acq On : 17 Mar 2011 5:40 pm Operator: Michael Truchan
Sample : APH CCV 150cc voa020211b Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:11 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

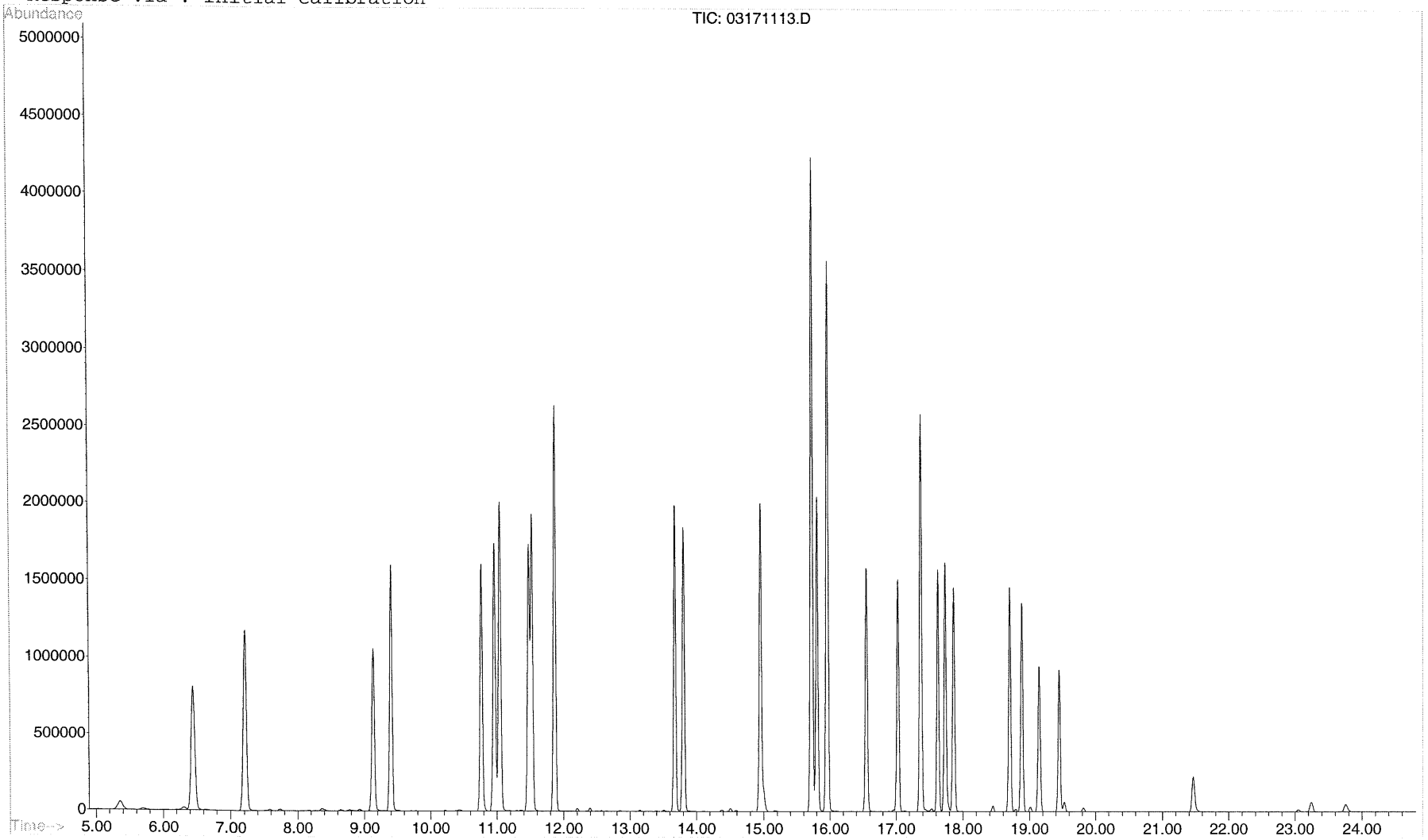
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.72	117	1969167	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1230593	86.47	ug/m3	0.00
Target Compounds						Qvalue
1) C5-C8 Aliphatic HC	7.21	TIC	3976022	25.48	ug/m3	100
2) C5-C8 Aliphatic HC {2}	9.40	TIC	4056536	28.41	ug/m3	100
3) C5-C8 Aliphatic HC {3}	10.96	TIC	4497353	28.30	ug/m3	100
4) C5-C8 Aliphatic HC {4}	11.04	TIC	5185450	33.79	ug/m3	100
5) C5-C8 Aliphatic HC {5}	11.52	TIC	3985705	26.58	ug/m3	100
6) C5-C8 Aliphatic HC {6}	13.67	TIC	4290902	29.42	ug/m3	100
7) C5-C8 Aliphatic HC - TOTAL	7.21	TIC	25991968m	172.25	ug/m3	
8) C9-C12 Aliphatic HC	14.95	TIC	4863676	33.20	ug/m3	100
9) C9-C12 Aliphatic HC {2}	15.72	TIC	9618423	78.06	ug/m3	100
10) C9-C12 Aliphatic HC {3}	17.62	TIC	3197915	31.11	ug/m3	100
11) C9-C12 Aliphatic HC {4}	18.70	TIC	3298761	29.98	ug/m3	100
12) C9-C12 Aliphatic HC {5}	19.44	TIC	2070996	24.90	ug/m3	100
13) C9-C12 Aliphatic HC {6}	21.46	TIC	689193	15.37	ug/m3	100
14) C9-C12 Aliphatic HC - TOTA	21.46	TIC	23738964m	234.54	ug/m3	
15) C9-C10 Aromatic HC	17.03	120	391801	26.35	ug/m3	100
16) C9-C10 Aromatic HC {2}	17.73	120	468516	31.47	ug/m3	100
17) C9-C10 Aromatic HC {3}	17.86	120	572328	29.79	ug/m3	100
18) C9-C10 Aromatic HC {4}	18.88	120	116828	30.53	ug/m3	100
19) C9-C10 Aromatic HC {5}	19.15	120	362300	25.63	ug/m3	100
20) C9-C10 Aromatic HC {6}	18.88	134	324477	30.65	ug/m3	100
21) C9-C10 Aromatic HC - TOTAL	18.88	134	2236250m	144.59	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171113.D 030111V1.M Wed Apr 13 18:51:33 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171113.D Vial: 3
Acq On : 17 Mar 2011 5:40 pm Operator: Michael Truchan
Sample : APH CCV 150cc voa020211b Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:11 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171114.D Vial: 4
Acq On : 17 Mar 2011 6:20 pm Operator: Michael Truchan
Sample : APH RLVS 20cc voa020211a Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:12 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

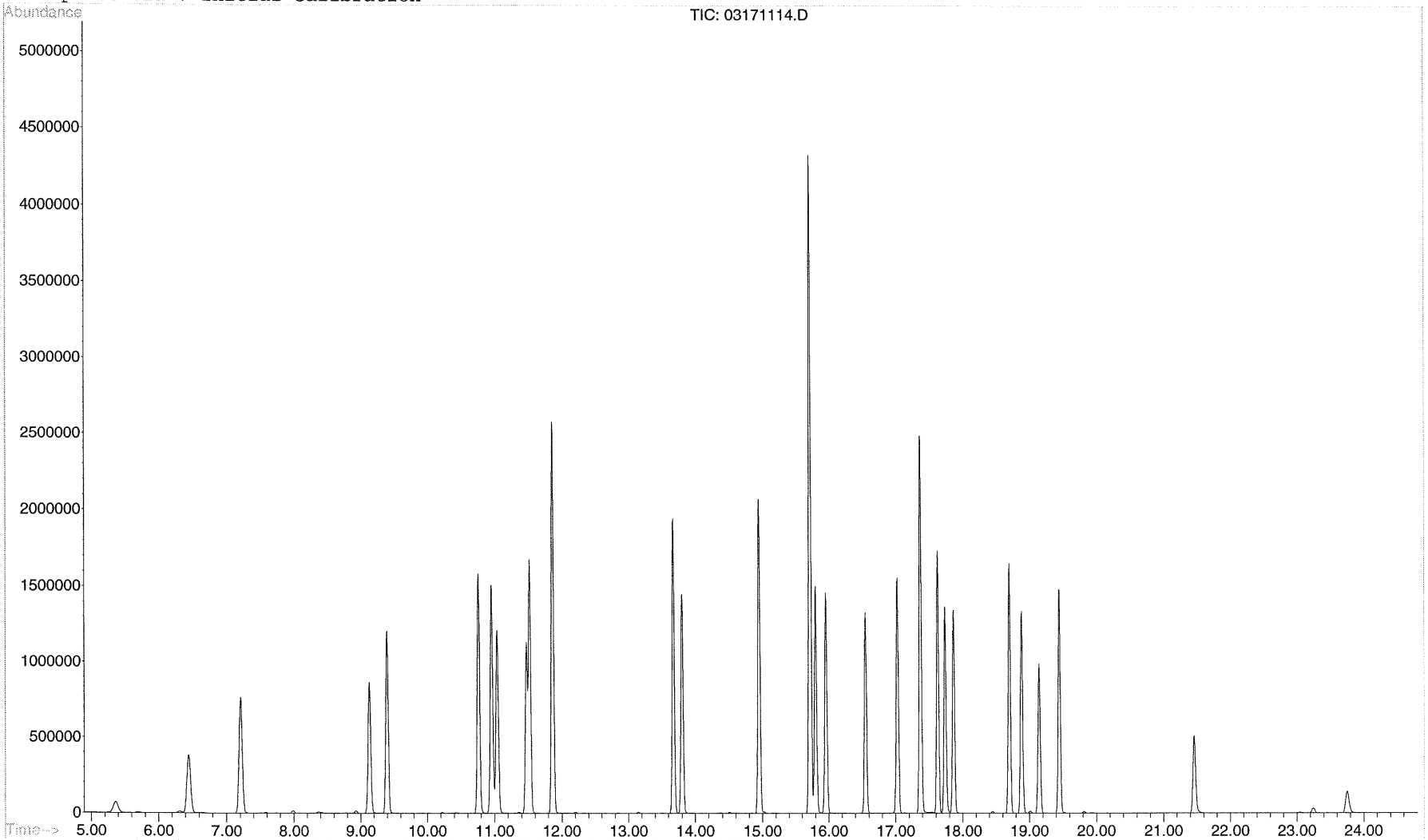
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.71	117	1931106	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1191459	85.37	ug/m3	0.00
Target Compounds						Qvalue
1) C5-C8 Aliphatic HC	7.20	TIC	2577924	16.52	ug/m3	100
2) C5-C8 Aliphatic HC {2}	9.40	TIC	3016476	21.12	ug/m3	100
3) C5-C8 Aliphatic HC {3}	10.95	TIC	3841477	24.18	ug/m3	100
4) C5-C8 Aliphatic HC {4}	11.04	TIC	3128606	20.39	ug/m3	100
5) C5-C8 Aliphatic HC {5}	11.52	TIC	3786398	25.25	ug/m3	100
6) C5-C8 Aliphatic HC {6}	13.67	TIC	4192401	28.75	ug/m3	100
7) C5-C8 Aliphatic HC - TOTAL	7.20	TIC	20543282m	136.14	ug/m3	
8) C9-C12 Aliphatic HC	14.95	TIC	4665112	31.84	ug/m3	100
9) C9-C12 Aliphatic HC {2}	15.72	TIC	9627770	78.14	ug/m3	100
10) C9-C12 Aliphatic HC {3}	17.63	TIC	3543644	34.48	ug/m3	100
11) C9-C12 Aliphatic HC {4}	18.70	TIC	3671099	33.37	ug/m3	100
12) C9-C12 Aliphatic HC {5}	19.44	TIC	3291561	39.58	ug/m3	100
13) C9-C12 Aliphatic HC {6}	21.46	TIC	1438231	32.07	ug/m3	100
14) C9-C12 Aliphatic HC - TOTA	21.46	TIC	26237417m	259.23	ug/m3	
15) C9-C10 Aromatic HC	17.03	120	402767	27.09	ug/m3	100
16) C9-C10 Aromatic HC {2}	17.73	120	397609	26.71	ug/m3	100
17) C9-C10 Aromatic HC {3}	17.86	120	530919	27.63	ug/m3	100
18) C9-C10 Aromatic HC {4}	18.88	120	116205	30.37	ug/m3	100
19) C9-C10 Aromatic HC {5}	19.15	120	383385	27.13	ug/m3	100
20) C9-C10 Aromatic HC {6}	18.88	134	324492	30.65	ug/m3	100
21) C9-C10 Aromatic HC - TOTAL	18.88	134	2155377m	139.37	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171114.D 030111V1.M Wed Apr 13 18:51:39 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171114.D Vial: 4
Acq On : 17 Mar 2011 6:20 pm Operator: Michael Truchan
Sample : APH RLVS 20cc voa020211a Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:12 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171115.D Vial: 1
Acq On : 17 Mar 2011 7:04 pm Operator: Michael Truchan
Sample : MBLK Inst : GC/MS Ins
Misc : MBLK EPA_TO15-ug/m3 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:17 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

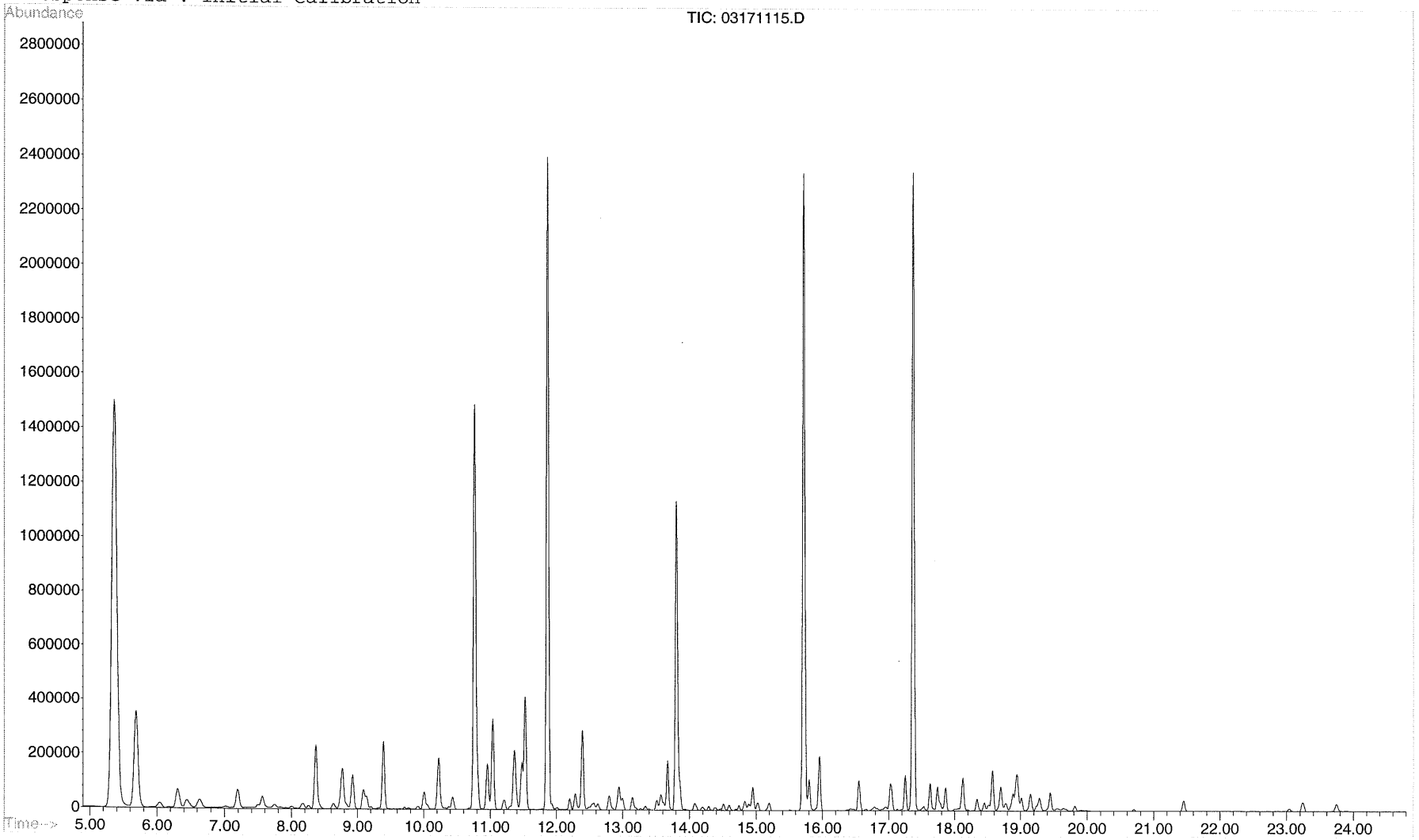
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.72	117	1721859	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1086126	87.28	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	11.86	TIC	23845605m	158.02	ug/m3	
23) non C5-C8	6.45	TIC	122704	1.11	ug/m3	100
24) non C5-C8 {2}	9.09	TIC	212369	1.88	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	3967895	47.38	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	414516	2.91	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	5552215	38.63	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	2865788	19.22	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	13135487m	108.96	ug/m3	
30) C9-C12 Aliphatic	17.37	TIC	16043416m	135.86	ug/m3	
31) non C9-C12	15.72	TIC	5421516	44.00	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	262083	2.00	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	475251	3.68	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	265461	2.20	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	5258498	57.26	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	11682809m	83.87	ug/m3	
37) C9-C10 Aromatic	17.87	120	115710m	7.48	ug/m3	
38) C9-C10 Aromatic {2}	18.89	134	13651m	0.88	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	129361m	8.36	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171115.D 030111V1.M Wed Apr 13 18:51:44 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171115.D Vial: 1
Acq On : 17 Mar 2011 7:04 pm Operator: Michael Truchan
Sample : MBLK Inst : GC/MS Ins
Misc : MBLK EPA_TO15-ug/m3 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:17 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171116.D Vial: 3
Acq On : 17 Mar 2011 7:47 pm Operator: Michael Truchan
Sample : 1103120-001A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 2.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:21 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

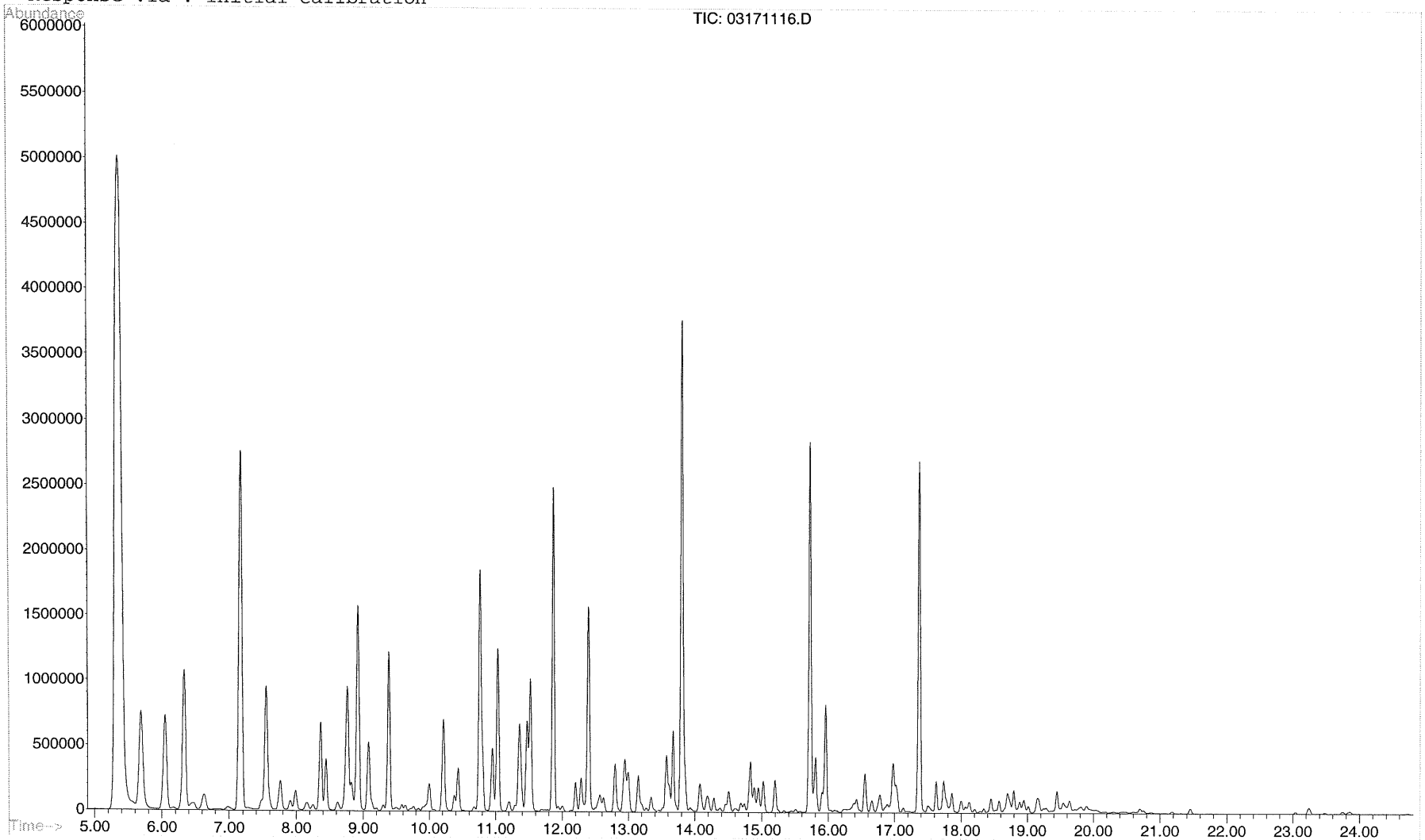
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.72	117	1876269	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1274801	94.01	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	13.81	TIC	87570525m	580.32	ug/m3	
23) non C5-C8	6.47	TIC	233690	2.10	ug/m3	100
24) non C5-C8 {2}	9.08	TIC	1534462	13.58	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	5479560	65.43	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	1631840	11.44	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	5692242	39.61	ug/m3	100
28) non C5-C8 {6}	13.81	TIC	9528764	63.90	ug/m3	100
29) non C5-C8 - TOTAL	13.81	TIC	24100558m	199.92	ug/m3	
30) C9-C12 Aliphatic	15.72	TIC	30166925m	255.47	ug/m3	
31) non C9-C12	15.72	TIC	6677887	54.20	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	993974	7.57	ug/m3	100
33) non C9-C12 {3}	15.95	TIC	1970593	15.25	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	730199	6.06	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	6261599	68.19	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	16634252m	119.41	ug/m3	
37) C9-C10 Aromatic	17.86	120	215467m	13.93	ug/m3	
38) C9-C10 Aromatic {2}	18.88	134	25788m	1.67	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	241255m	15.60	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171116.D 030111V1.M Wed Apr 13 18:51:50 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171116.D Vial: 3
Acq On : 17 Mar 2011 7:47 pm Operator: Michael Truchan
Sample : 1103120-001A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 2.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:21 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171126.D Vial: 14
Acq On : 18 Mar 2011 3:00 am Operator: Michael Truchan
Sample : 1103120-013A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:23 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

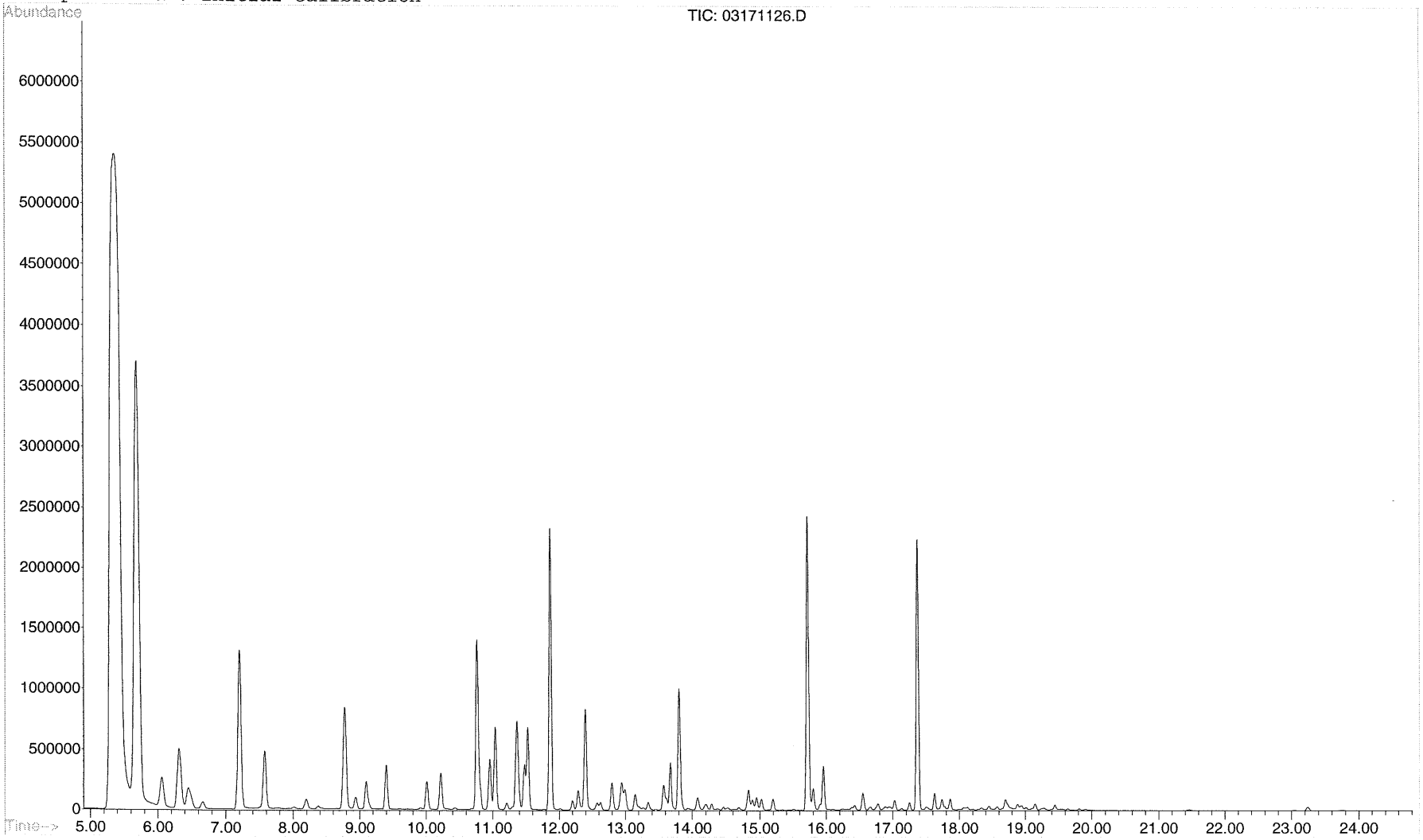
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.72	117	1899488	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1143933	83.32	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	11.86	TIC	46920117m	310.94	ug/m3	
23) non C5-C8	6.45	TIC	838473	7.55	ug/m3	100
24) non C5-C8 {2}	9.10	TIC	713468	6.32	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	4054620	48.41	ug/m3	100
26) non C5-C8 {4}	11.48	TIC	880551	6.17	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	5651018	39.32	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	2482591	16.65	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	14620721m	121.28	ug/m3	
30) C9-C12 Aliphatic	15.72	TIC	18463196m	156.36	ug/m3	
31) non C9-C12	15.72	TIC	5914645	48.00	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	431080	3.28	ug/m3	100
33) non C9-C12 {3}	15.95	TIC	932714	7.22	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	346512	2.88	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	5351634	58.28	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	12976585m	93.15	ug/m3	
37) C9-C10 Aromatic	17.86	120	115948m	7.50	ug/m3	
38) C9-C10 Aromatic {2}	18.89	134	11436m	0.74	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	127384m	8.24	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171126.D 030111V1.M Wed Apr 13 18:51:58 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171126.D Vial: 14
Acq On : 18 Mar 2011 3:00 am Operator: Michael Truchan
Sample : 1103120-013A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:23 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171127.D Vial: 14
Acq On : 18 Mar 2011 3:41 am Operator: Michael Truchan
Sample : 1103120-013ADUP Inst : GC/MS Ins
Misc : DUP EPA_TO15-ug/m3 Multiplr: 40000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:25 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

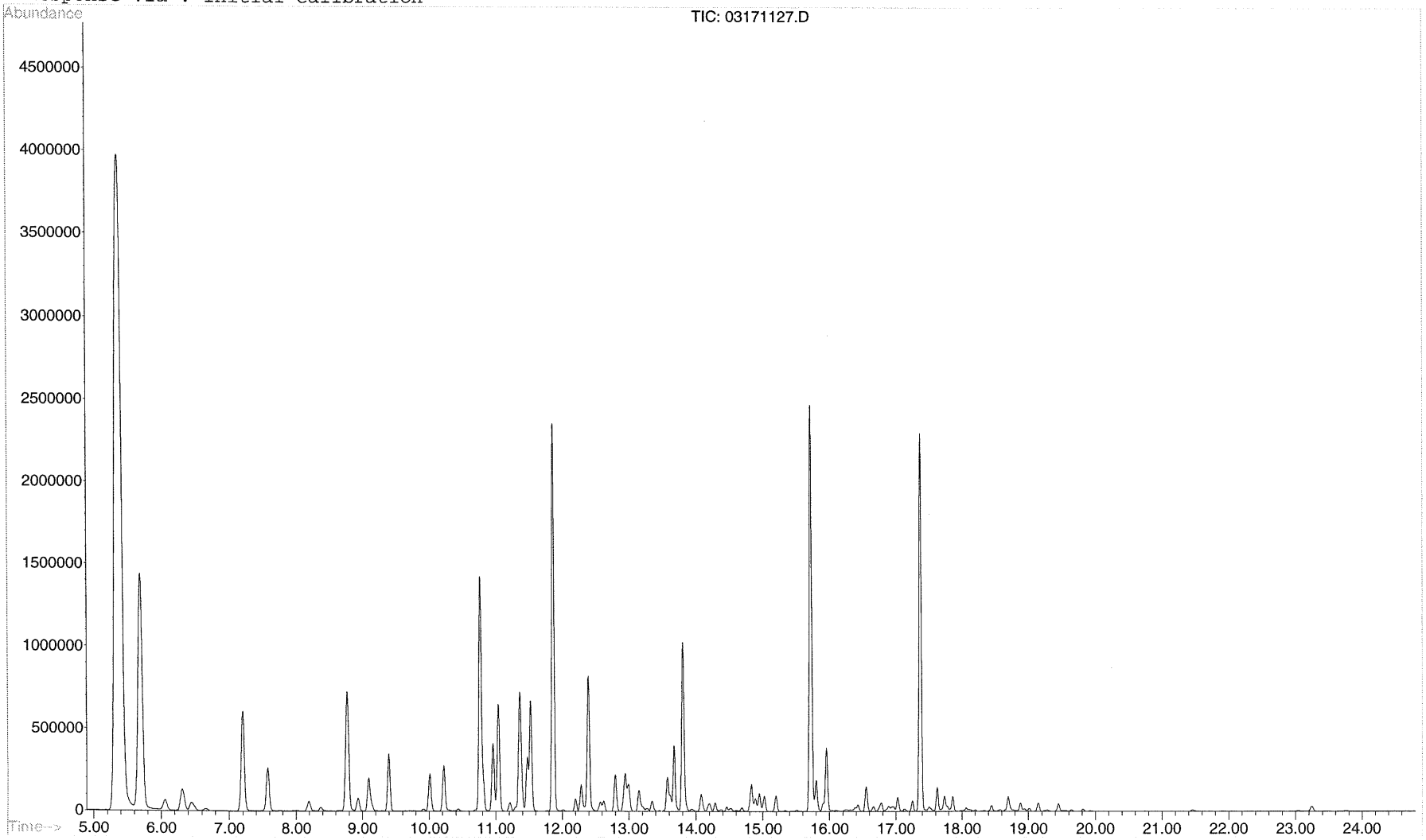
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.71	117	1952894	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1174464	83.21	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	11.86	TIC	38599571m	255.80	ug/m3	
23) non C5-C8	6.45	TIC	227989	2.05	ug/m3	100
24) non C5-C8 {2}	9.09	TIC	653904	5.79	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	4087985	48.81	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	742988	5.21	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	5740680	39.95	ug/m3	100
28) non C5-C8 {6}	13.81	TIC	2587407	17.35	ug/m3	100
29) non C5-C8 - TOTAL	13.81	TIC	14040953m	116.47	ug/m3	
30) C9-C12 Aliphatic	15.71	TIC	16828275m	142.51	ug/m3	
31) non C9-C12	15.71	TIC	6078035	49.33	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	447193	3.41	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	1000715	7.74	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	363986	3.02	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	5486038	59.74	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	13375967m	96.02	ug/m3	
37) C9-C10 Aromatic	17.86	120	126941m	8.21	ug/m3	
38) C9-C10 Aromatic {2}	18.88	134	12587m	0.81	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	139528m	9.02	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171127.D 030111V1.M Wed Apr 13 18:52:02 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171127.D Vial: 14
Acq On : 18 Mar 2011 3:41 am Operator: Michael Truchan
Sample : 1103120-013ADUP Inst : GC/MS Ins
Misc : DUP EPA_TO15-ug/m3 Multiplr: 40000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:25 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:46 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

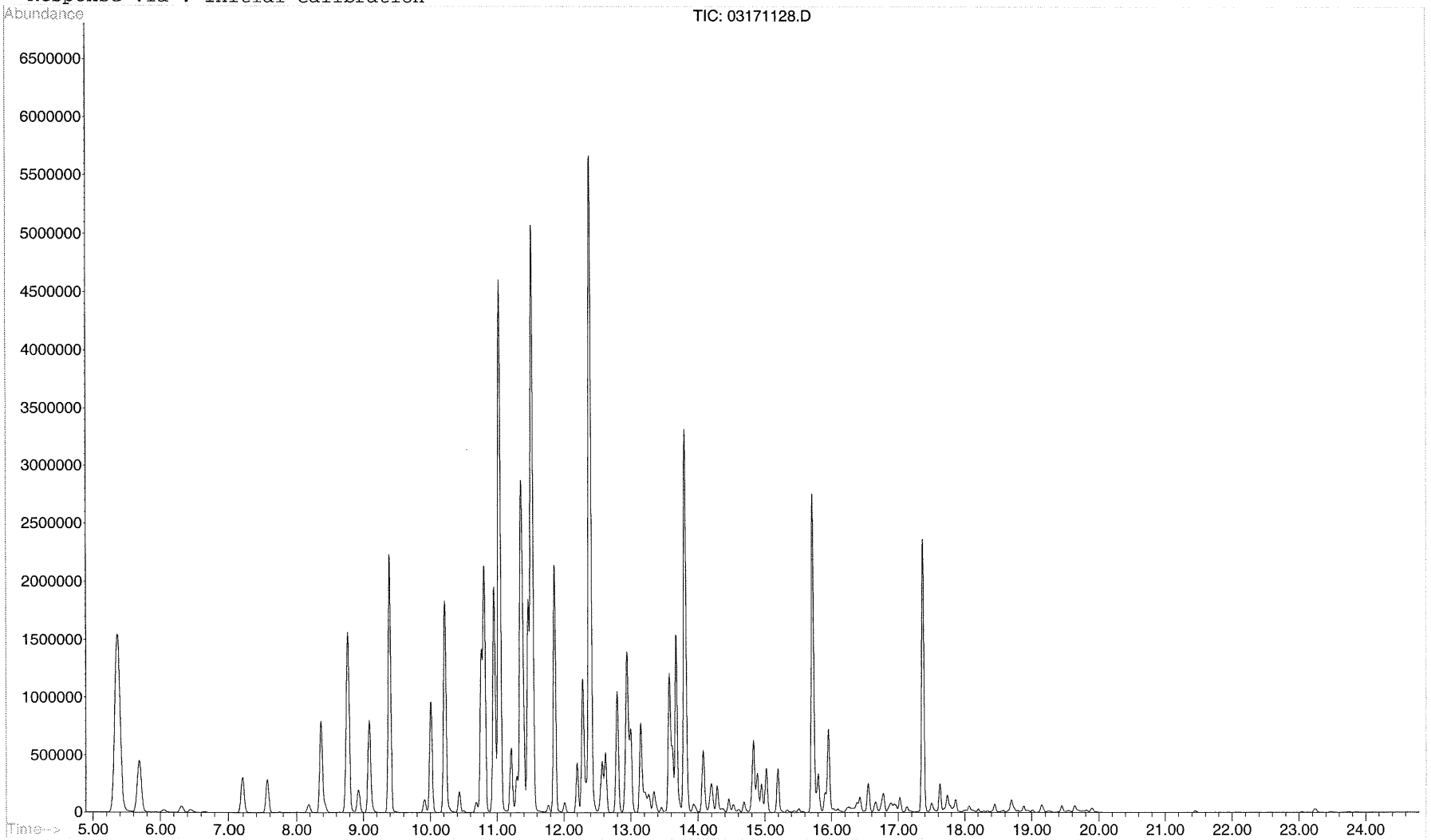
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.71	117	1867057	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1207599	89.49	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	12.39	TIC	153834780m	1019.45	ug/m3	
23) non C5-C8	6.45	TIC	100737	0.91	ug/m3	100
24) non C5-C8 {2}	9.09	TIC	2354819	20.85	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	3021152	36.07	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	4078841	28.60	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	5230210	36.39	ug/m3	100
28) non C5-C8 {6}	13.81	TIC	8780195	58.88	ug/m3	100
29) non C5-C8 - TOTAL	13.81	TIC	23565954m	195.48	ug/m3	
30) C9-C12 Aliphatic	15.71	TIC	23885155m	202.27	ug/m3	
31) non C9-C12	15.71	TIC	6886305	55.89	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	796943	6.07	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	1712271	13.25	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	618331	5.14	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	5721909	62.31	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	15735759m	112.96	ug/m3	
37) C9-C10 Aromatic	17.86	120	174379m	11.28	ug/m3	
38) C9-C10 Aromatic {2}	18.88	134	20735m	1.34	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	195114m	12.62	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171128.D 030111V1.M Wed Apr 13 18:52:10 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171128.D Vial: 15
Acq On : 18 Mar 2011 4:22 am Operator: Michael Truchan
Sample : 1103120-002A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:46 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:49 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

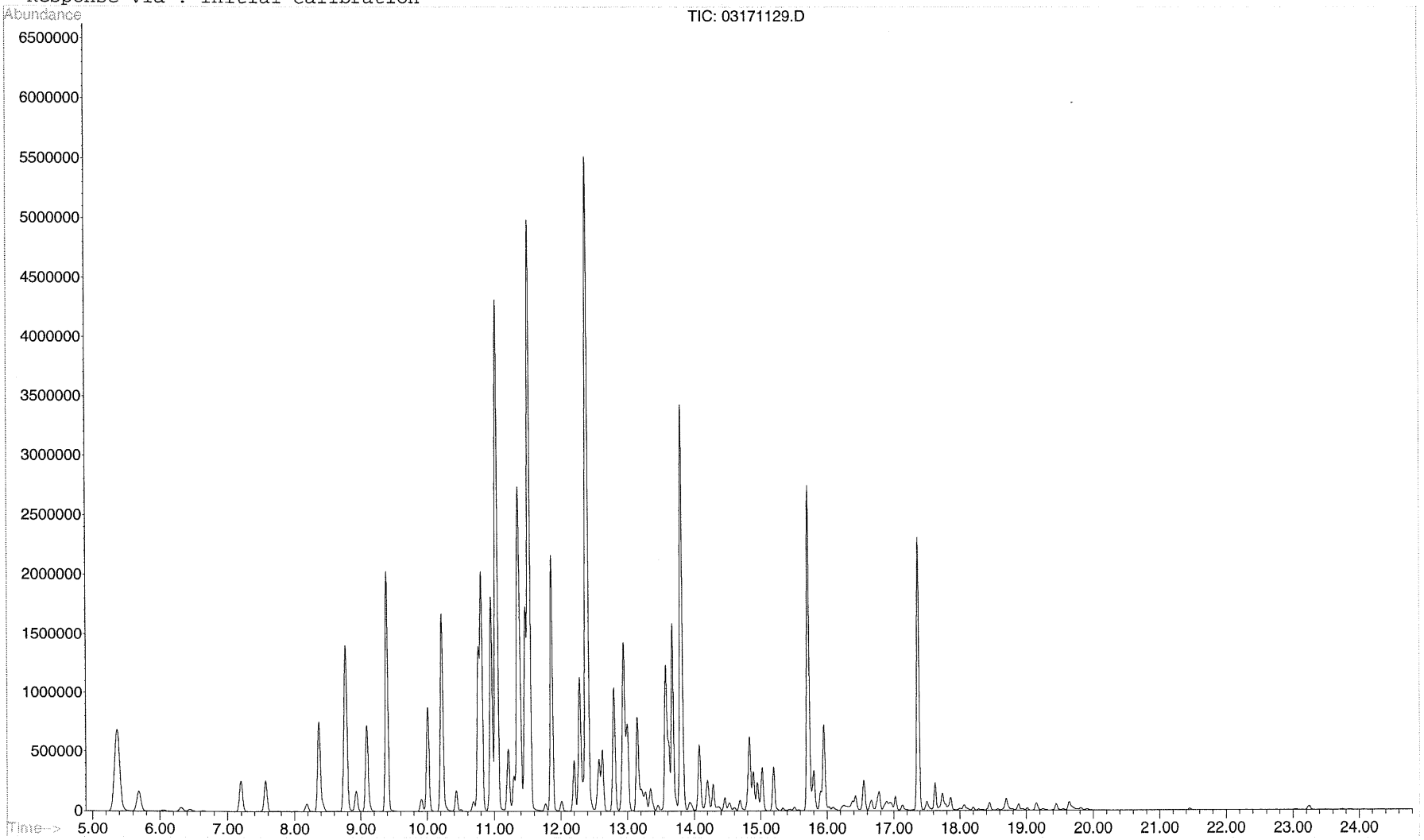
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.72	117	1838168	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1172232	88.23	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	12.39	TIC	147050065m	974.49	ug/m3	
23) non C5-C8	6.44	TIC	65003	0.59	ug/m3	100
24) non C5-C8 {2}	9.09	TIC	2119631	18.76	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	3152973	37.65	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	3984142	27.93	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	5211232	36.26	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	9002403	60.37	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	23535384m	195.23	ug/m3	
30) C9-C12 Aliphatic	15.72	TIC	22668304m	191.97	ug/m3	
31) non C9-C12	15.72	TIC	6748387	54.77	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	765958	5.83	ug/m3	100
33) non C9-C12 {3}	15.95	TIC	1740260	13.47	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	617293	5.13	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	5565009	60.60	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	15436907m	110.82	ug/m3	
37) C9-C10 Aromatic	17.86	120	169035m	10.93	ug/m3	
38) C9-C10 Aromatic {2}	18.88	134	17401m	1.13	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	186436m	12.05	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171129.D 030111V1.M Wed Apr 13 18:52:15 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171129.D Vial: 16
Acq On : 18 Mar 2011 5:03 am Operator: Michael Truchan
Sample : 1103120-003A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:49 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:51 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

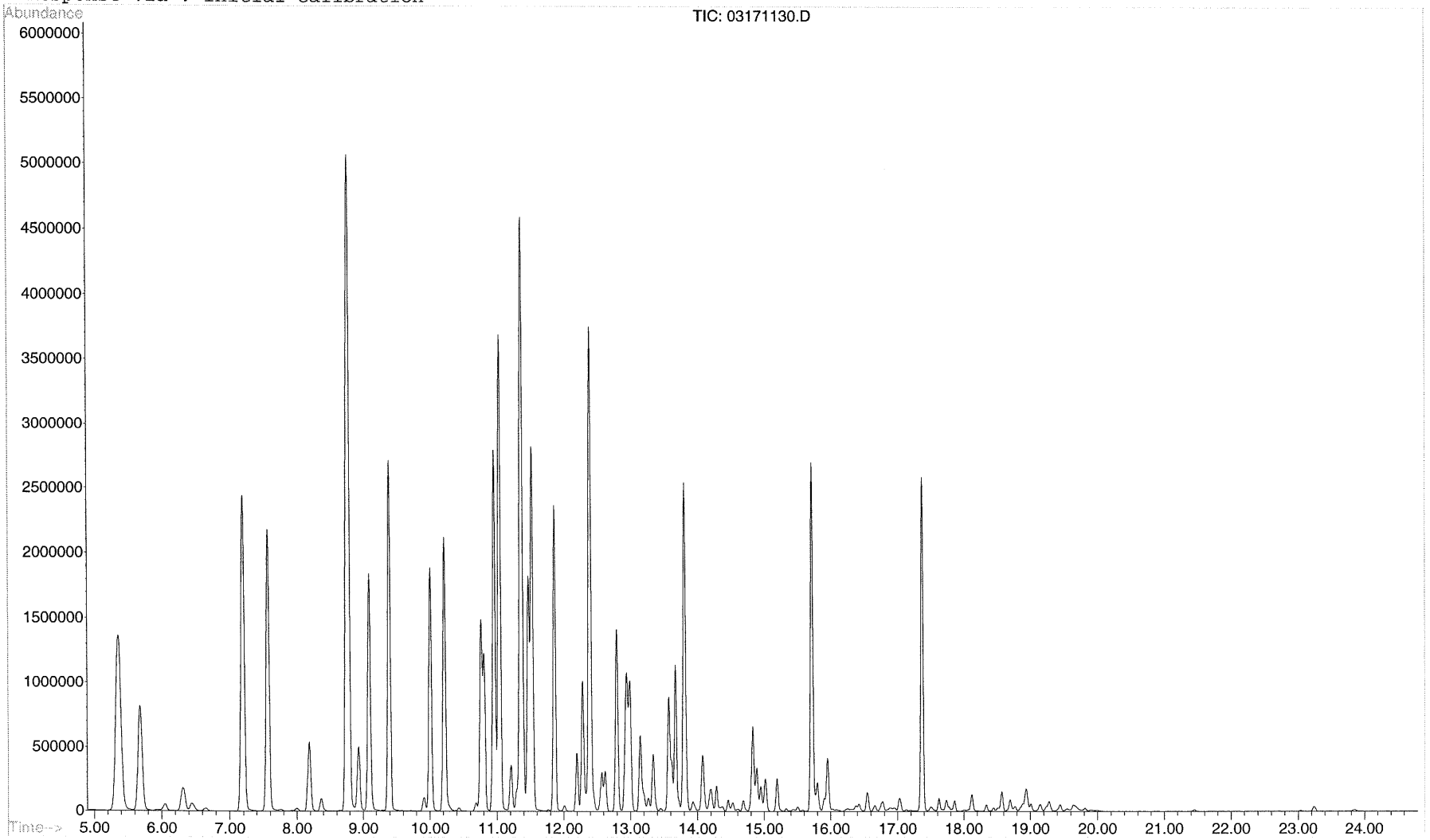
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.71	117	2063550	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1304643	87.48	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	8.76	TIC	170960663m	1132.94	ug/m3	
23) non C5-C8	6.44	TIC	262123	2.36	ug/m3	100
24) non C5-C8 {2}	9.09	TIC	5323811	47.13	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	3604770	43.04	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	4381047	30.72	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	5736571	39.92	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	6702688	44.95	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	26011010m	215.76	ug/m3	
30) C9-C12 Aliphatic	15.71	TIC	21282886m	180.24	ug/m3	
31) non C9-C12	15.71	TIC	6688762	54.28	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	545482	4.16	ug/m3	100
33) non C9-C12 {3}	15.95	TIC	1022115	7.91	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	360129	2.99	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	6179995	67.30	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	14796483m	106.22	ug/m3	
37) C9-C10 Aromatic	17.86	120	109845m	7.10	ug/m3	
38) C9-C10 Aromatic {2}	18.88	134	11710m	0.76	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	121555m	7.86	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171130.D 030111V1.M Wed Apr 13 18:52:20 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171130.D Vial: 1
Acq On : 18 Mar 2011 8:38 am Operator: Michael Truchan
Sample : 1103120-009A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 80000.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:51 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:53 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

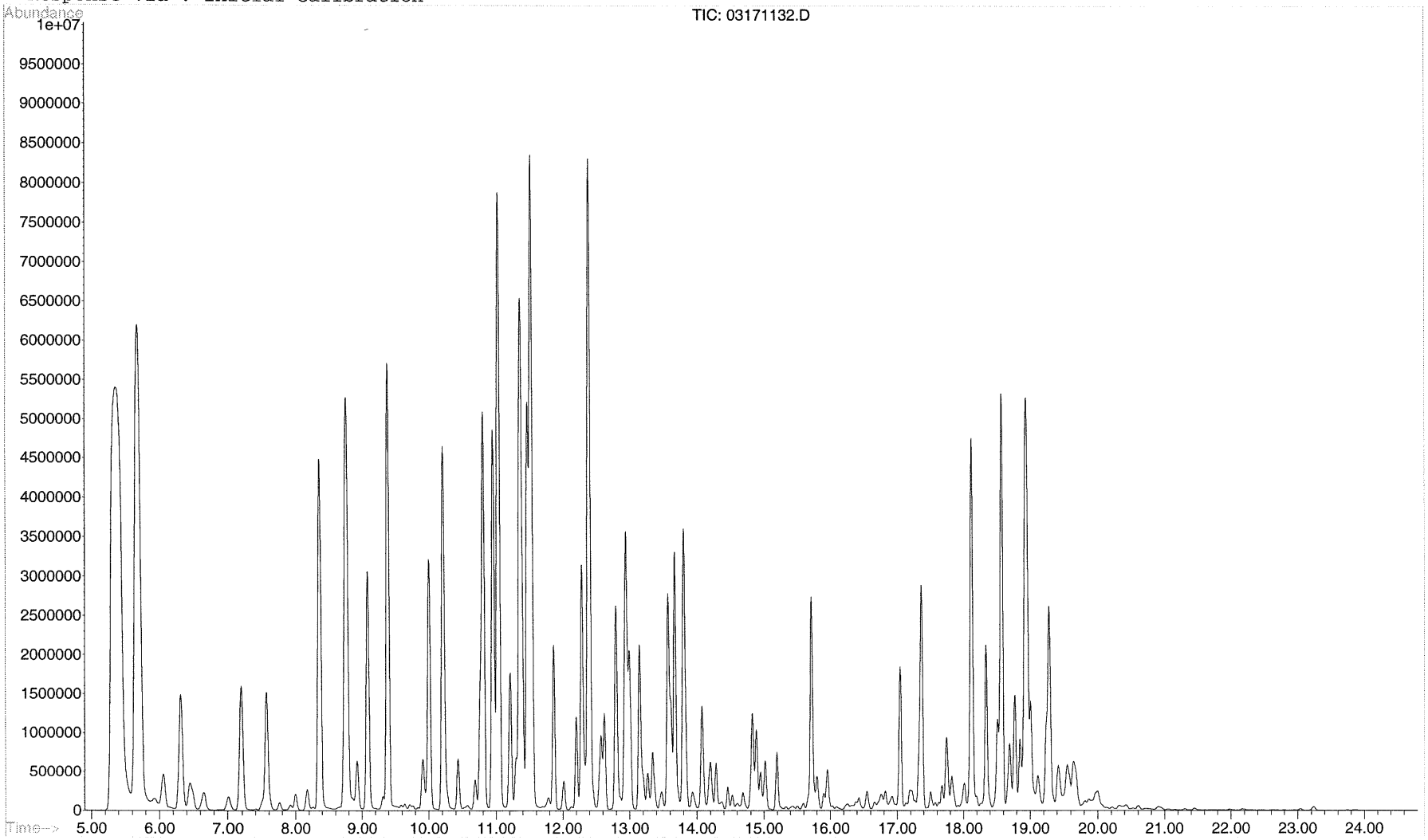
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.72	117	1953442	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1224857	86.75	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	11.52	TIC	375180769m	2486.29	ug/m3	
23) non C5-C8	6.45	TIC	1663347	14.98	ug/m3	100
24) non C5-C8 {2}	9.08	TIC	9130552	80.83	ug/m3	100
25) non C5-C8 {3}	10.81	TIC	17458408	208.47	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	13961616	97.89	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	5221176	36.33	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	10401702	69.75	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	57836801m	479.76	ug/m3	
30) C9-C12 Aliphatic	18.57	TIC	136876789m	1159.15	ug/m3	
31) non C9-C12	15.72	TIC	7164862	58.15	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	1001302	7.63	ug/m3	100
33) non C9-C12 {3}	15.95	TIC	1229074	9.51	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	653055	5.42	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	9083610	98.92	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	19131903m	137.34	ug/m3	
37) C9-C10 Aromatic	17.86	120	108388m	7.01	ug/m3	
38) C9-C10 Aromatic {2}	18.88	134	12886m	0.83	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	121274m	7.84	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171132.D 030111V1.M Wed Apr 13 18:52:31 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171132.D Vial: 4
Acq On : 18 Mar 2011 10:00 am Operator: Michael Truchan
Sample : 1103120-004A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:53 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:55 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

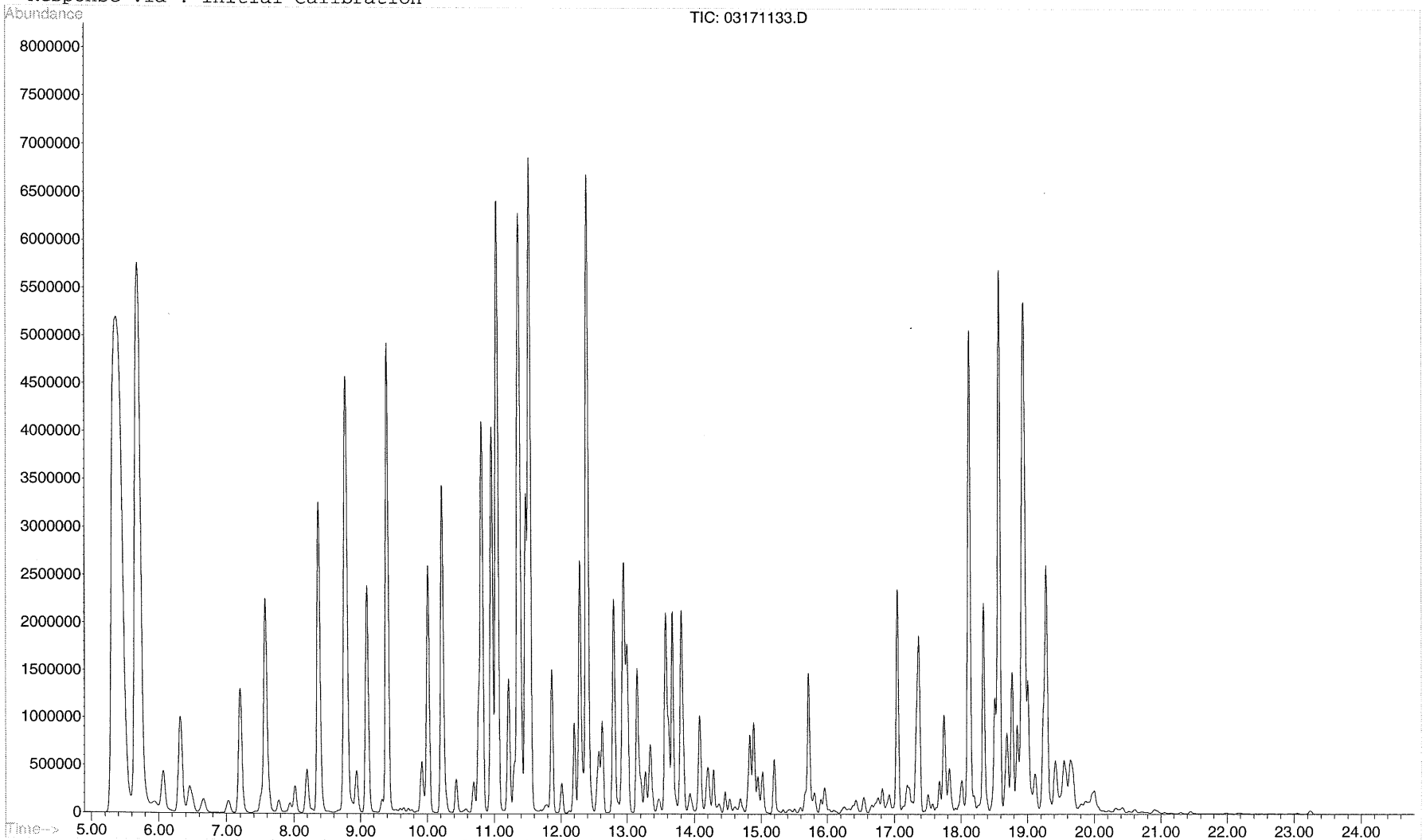
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.71	117	1039135	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	610946	81.35	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	11.53	TIC	303409624m	2010.67	ug/m3	
23) non C5-C8	6.45	TIC	1306717	11.77	ug/m3	100
24) non C5-C8 {2}	9.10	TIC	7329792	64.88	ug/m3	100
25) non C5-C8 {3}	10.81	TIC	13870439	165.62	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	7759770	54.41	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	3791955	26.39	ug/m3	100
28) non C5-C8 {6}	13.81	TIC	6373187	42.74	ug/m3	100
29) non C5-C8 - TOTAL	13.81	TIC	40431860m	335.39	ug/m3	
30) C9-C12 Aliphatic	18.58	TIC	131976220m	1117.65	ug/m3	
31) non C9-C12	15.71	TIC	4149010	33.67	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	527076	4.01	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	631800	4.89	ug/m3	100
34) non C9-C12 {4}	16.54	TIC	462087	3.84	ug/m3	100
35) non C9-C12 {5}	17.36	TIC	6891320	75.05	ug/m3	100
36) non C9-C12 - TOTAL	17.36	TIC	12661293m	90.89	ug/m3	
37) C9-C10 Aromatic	17.86	120	55324m	3.58	ug/m3	
38) C9-C10 Aromatic {2}	18.88	134	6980m	0.45	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	62304m	4.03	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171133.D 030111V1.M Wed Apr 13 18:52:36 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171133.D Vial: 6
Acq On : 18 Mar 2011 10:40 am Operator: Michael Truchan
Sample : 1103120-005A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:55 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:56 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

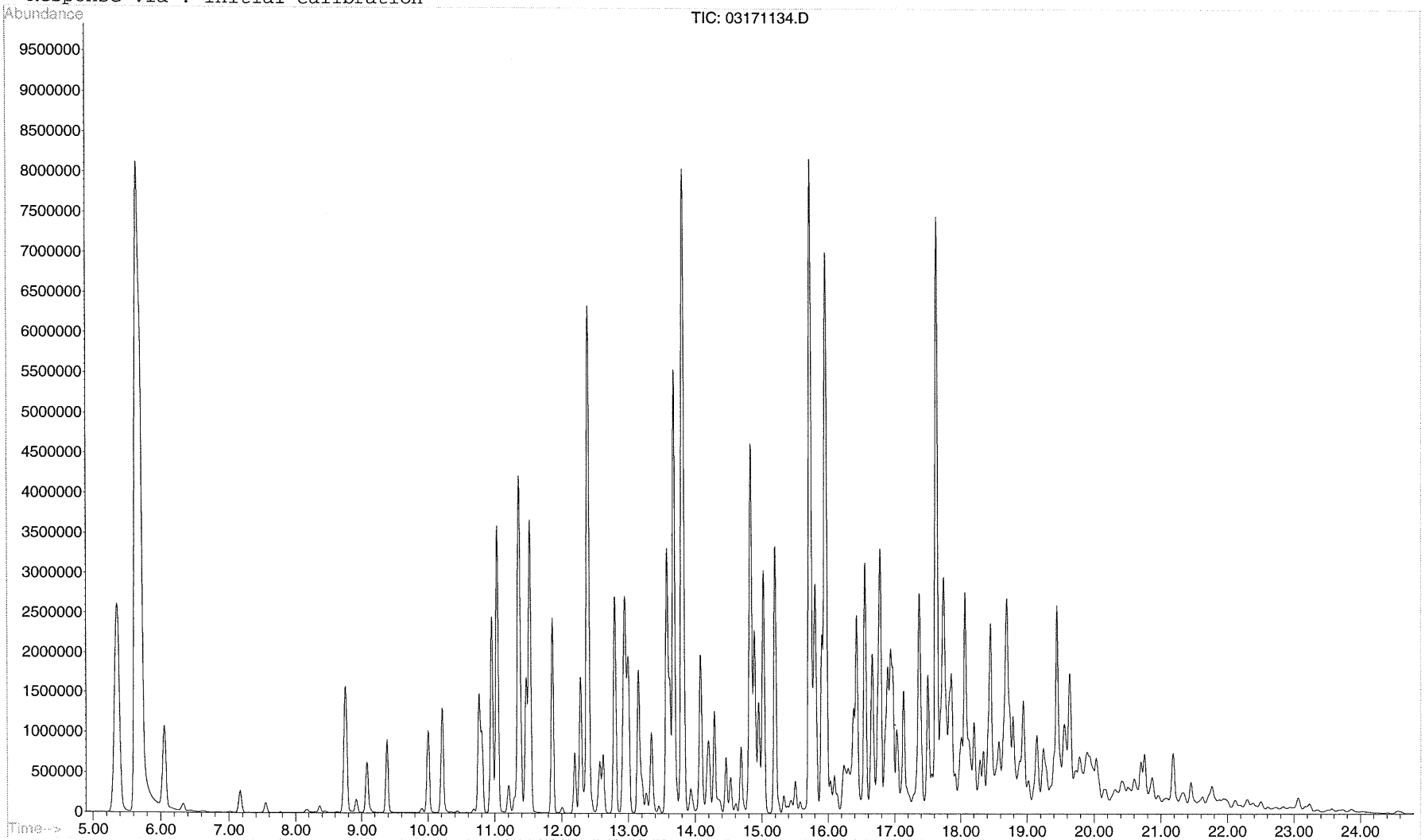
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.71	117	1257676	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1228621	135.16	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	13.80	TIC	248539659m	1647.05	ug/m3	
23) non C5-C8	6.44	TIC	60120	0.54	ug/m3	100
24) non C5-C8 {2}	9.08	TIC	1803996	15.97	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	3993981	47.69	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	3968447	27.82	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	5821740	40.51	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	24542683	164.57	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	40190967m	333.39	ug/m3	
30) C9-C12 Aliphatic	15.72	TIC	314629561m	2664.46	ug/m3	
31) non C9-C12	15.72	TIC	23588227	191.43	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	7216840	54.97	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	19038214	147.32	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	7548223	62.69	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	8548844	93.10	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	65940348m	473.36	ug/m3	
37) C9-C10 Aromatic	18.45	120	2614454m	169.05	ug/m3	
38) C9-C10 Aromatic {2}	19.40	134	723261m	46.77	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	3337715m	215.81	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171134.D 030111V1.M Wed Apr 13 18:52:41 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171134.D Vial: 7
Acq On : 18 Mar 2011 11:21 am Operator: Michael Truchan
Sample : 1103120-006A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:56 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:58 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

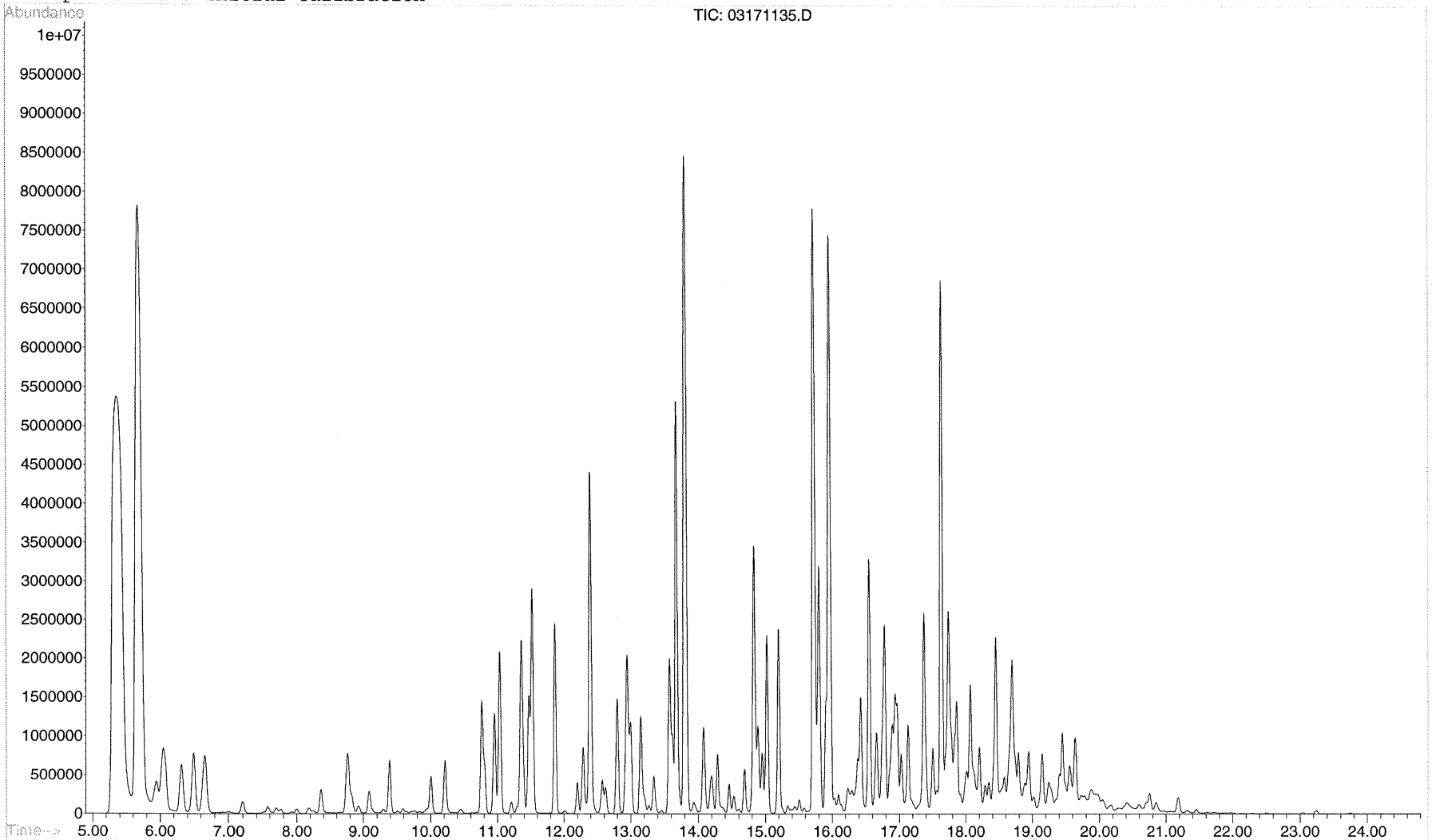
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.71	117	1342520	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1202712	123.95	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	13.80	TIC	174211484m	1154.49	ug/m3	
23) non C5-C8	6.49	TIC	2738892	24.67	ug/m3	100
24) non C5-C8 {2}	9.08	TIC	859233	7.61	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	4966608	59.30	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	3712394	26.03	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	5823467	40.52	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	25152182	168.66	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	43252776m	358.79	ug/m3	
30) C9-C12 Aliphatic	15.72	TIC	211059566m	1787.37	ug/m3	
31) non C9-C12	15.72	TIC	21800699	176.93	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	7852452	59.82	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	23800763	184.17	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	7823697	64.98	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	7277689	79.25	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	68555300m	492.13	ug/m3	
37) C9-C10 Aromatic	18.45	120	2740969m	177.23	ug/m3	
38) C9-C10 Aromatic {2}	19.40	134	587761m	38.00	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	3328730m	215.23	ug/m3	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171135.D Vial: 8
Acq On : 18 Mar 2011 12:01 pm Operator: Michael Truchan
Sample : 1103120-007A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:58 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:59 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

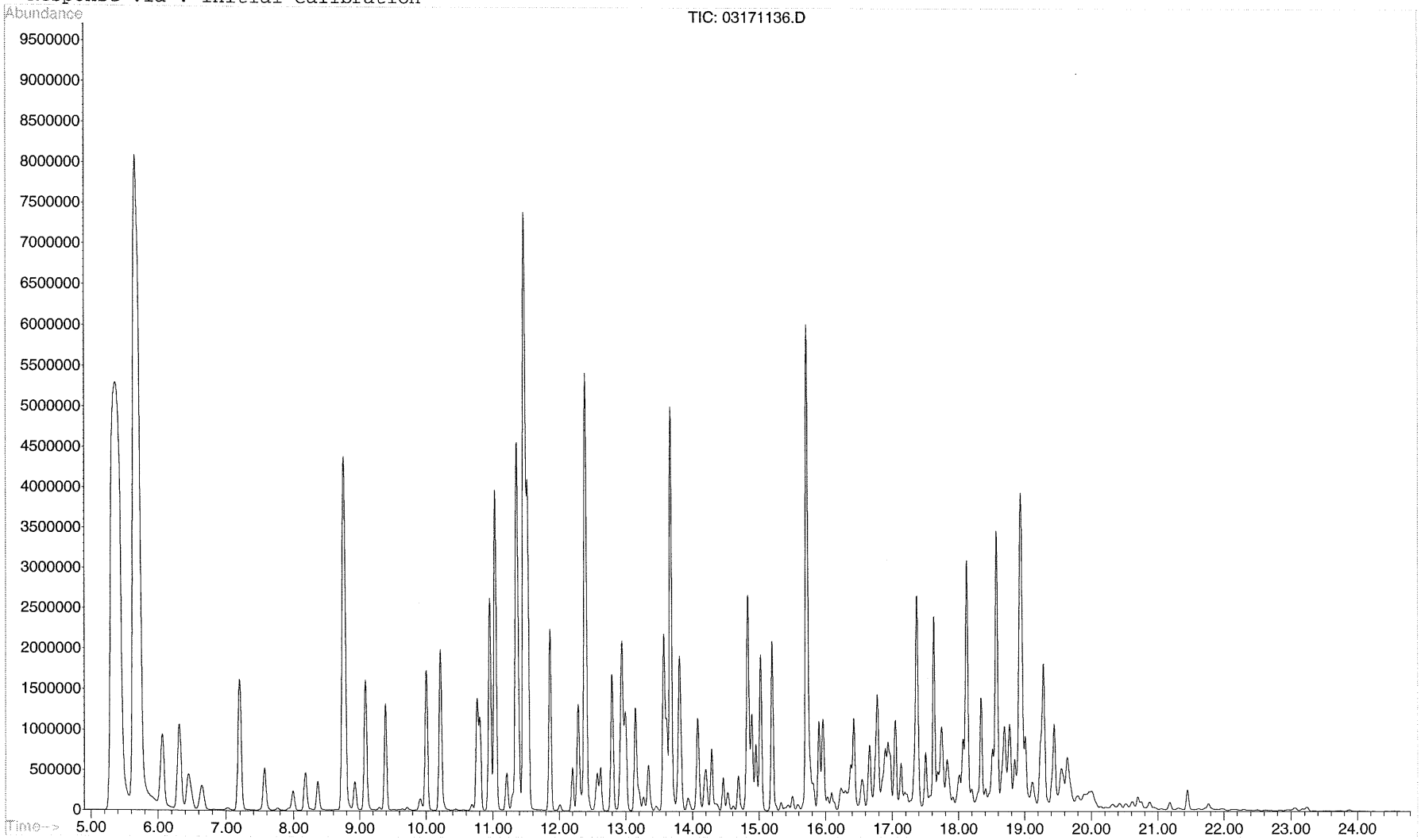
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.71	117	1560222	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1163897	103.21	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	11.47	TIC	230465041m	1527.27	ug/m3	
23) non C5-C8	6.45	TIC	2017176	18.17	ug/m3	100
24) non C5-C8 {2}	9.09	TIC	4590361	40.63	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	3676239	43.90	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	21606814	151.50	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	5343157	37.18	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	5730018	38.42	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	42963765m	356.39	ug/m3	
30) C9-C12 Aliphatic	15.72	TIC	163207706m	1382.14	ug/m3	
31) non C9-C12	15.72	TIC	16599826	134.72	ug/m3	100
32) non C9-C12 {2}	15.72	TIC	16599826	126.45	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	2888542	22.35	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	1050127	8.72	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	8128993	88.52	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	45267314m	324.96	ug/m3	
37) C9-C10 Aromatic	17.86	120	122426m	7.92	ug/m3	
38) C9-C10 Aromatic {2}	18.88	134	12183m	0.79	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	134609m	8.70	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171136.D 030111V1.M Wed Apr 13 18:52:54 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171136.D Vial: 9
Acq On : 18 Mar 2011 12:42 pm Operator: Michael Truchan
Sample : 1103120-008A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 14:59 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 15:01 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

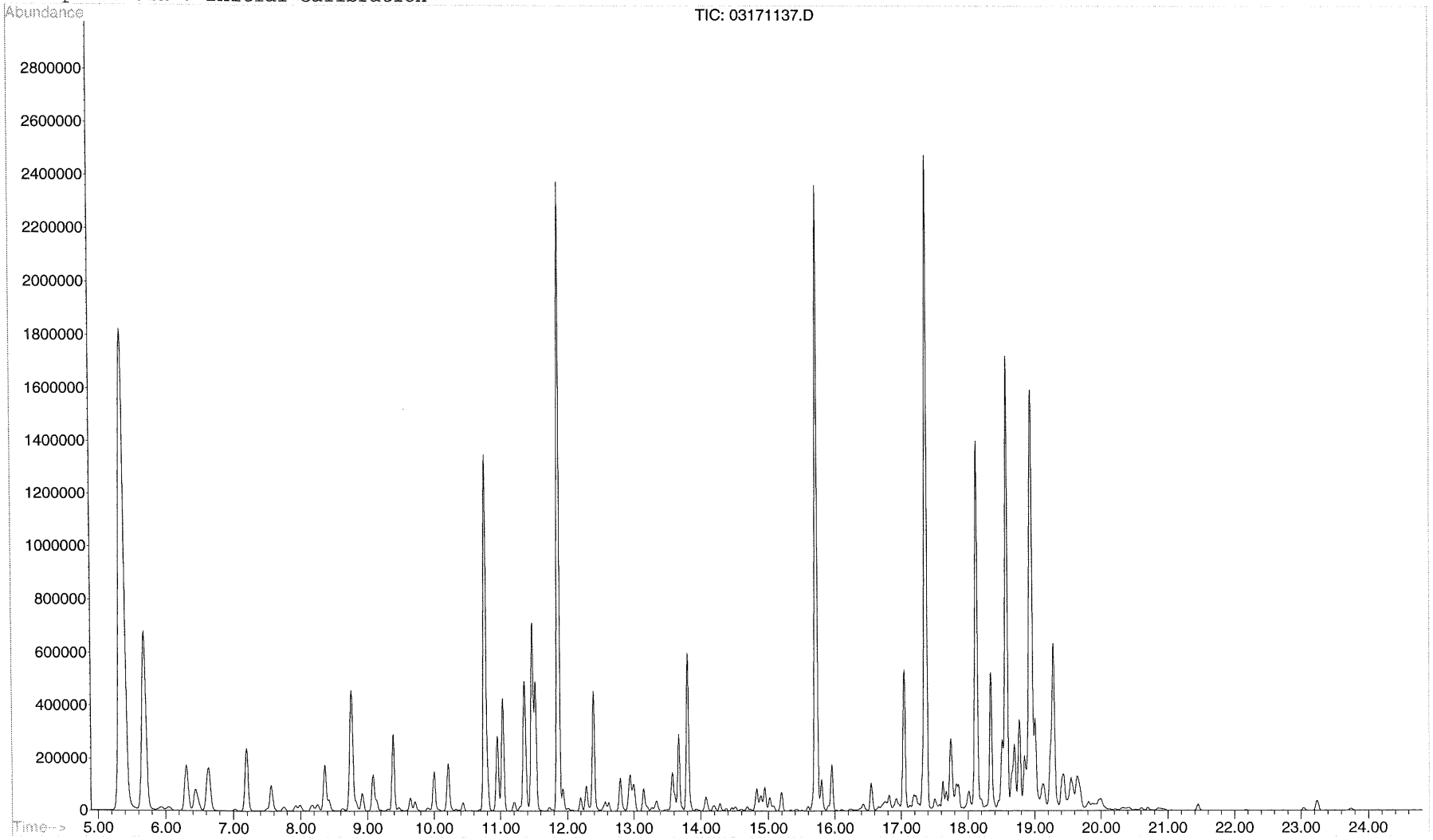
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.71	117	1802890	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1159023	88.95	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	11.86	TIC	30139363m	199.73	ug/m3	
23) non C5-C8	6.44	TIC	348518	3.14	ug/m3	100
24) non C5-C8 {2}	9.08	TIC	489404	4.33	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	3696498	44.14	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	1864984	13.08	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	5584894	38.86	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	1484079	9.95	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	13468377m	111.72	ug/m3	
30) C9-C12 Aliphatic	17.37	TIC	42818102m	362.61	ug/m3	
31) non C9-C12	15.71	TIC	5681992	46.11	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	280932	2.14	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	448542	3.47	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	264988	2.20	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	6302317	68.63	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	12978771m	93.17	ug/m3	
37) C9-C10 Aromatic	17.86	120	109329m	7.07	ug/m3	
38) C9-C10 Aromatic {2}	18.88	134	13256m	0.86	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	122585m	7.93	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171137.D 030111V1.M Wed Apr 13 18:52:59 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171137.D Vial: 10
Acq On : 18 Mar 2011 1:23 pm Operator: Michael Truchan
Sample : 1103120-010A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Mar 22 15:01 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171139.D Vial: 4
Acq On : 18 Mar 2011 2:45 pm Operator: Michael Truchan
Sample : APH RLVS 20cc voa020211a Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 15:01 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

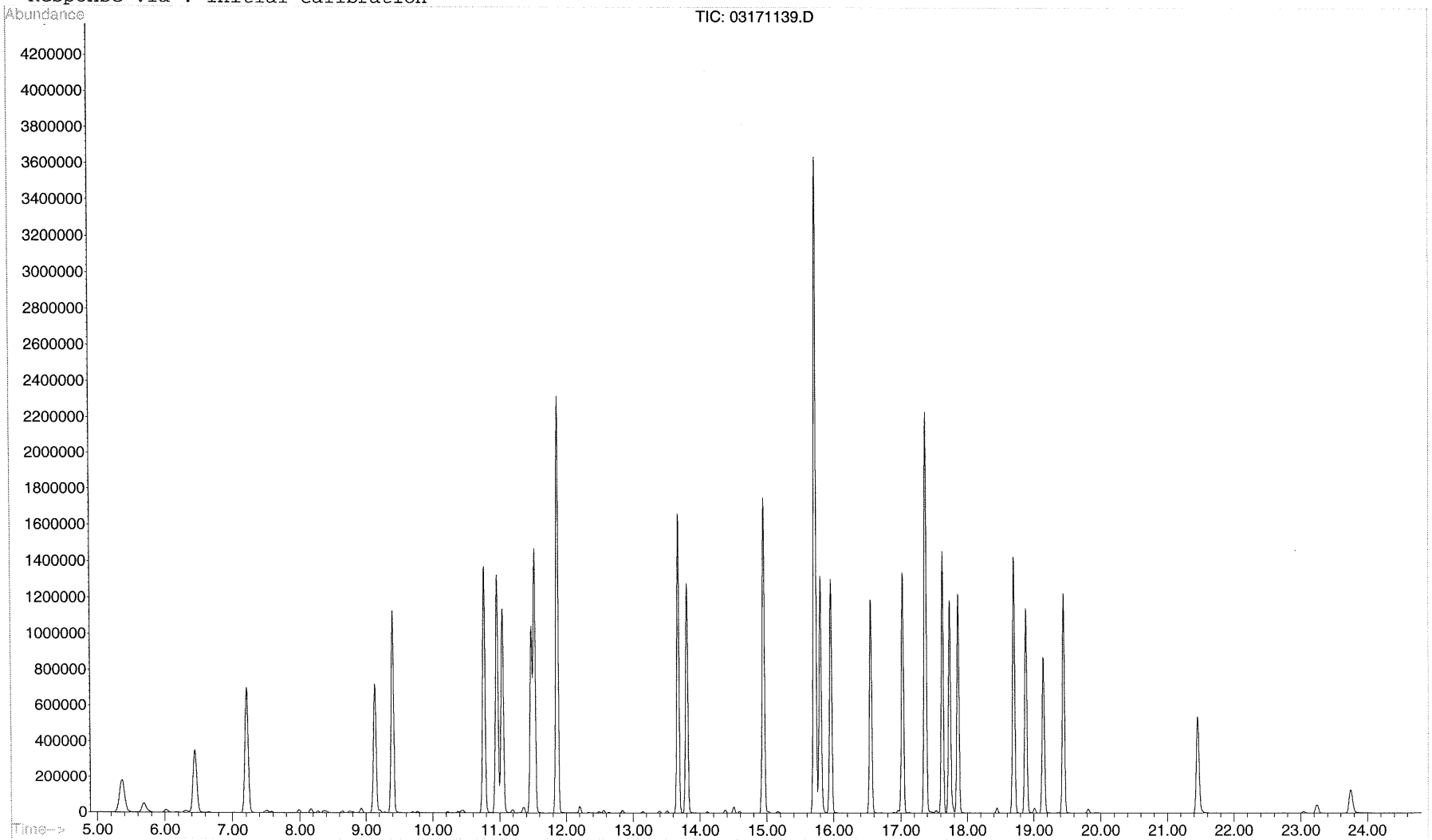
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.71	117	1758288	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1101301	86.66	ug/m3	0.00
Target Compounds						Qvalue
1) C5-C8 Aliphatic HC	7.20	TIC	2376003	15.23	ug/m3	100
2) C5-C8 Aliphatic HC {2}	9.40	TIC	2876212	20.14	ug/m3	100
3) C5-C8 Aliphatic HC {3}	10.95	TIC	3501010	22.03	ug/m3	100
4) C5-C8 Aliphatic HC {4}	11.04	TIC	3007162	19.60	ug/m3	100
5) C5-C8 Aliphatic HC {5}	11.52	TIC	3321513	22.15	ug/m3	100
6) C5-C8 Aliphatic HC {6}	13.67	TIC	3613451	24.78	ug/m3	100
7) C5-C8 Aliphatic HC - TOTAL	7.20	TIC	18695351m	123.89	ug/m3	
8) C9-C12 Aliphatic HC	14.95	TIC	4039373	27.57	ug/m3	100
9) C9-C12 Aliphatic HC {2}	15.71	TIC	8399011	68.16	ug/m3	100
10) C9-C12 Aliphatic HC {3}	17.62	TIC	2984166	29.03	ug/m3	100
11) C9-C12 Aliphatic HC {4}	18.70	TIC	3235688	29.41	ug/m3	100
12) C9-C12 Aliphatic HC {5}	19.44	TIC	2729525	32.82	ug/m3	100
13) C9-C12 Aliphatic HC {6}	21.45	TIC	1552433	34.61	ug/m3	100
14) C9-C12 Aliphatic HC - TOTA	21.45	TIC	22940196m	226.65	ug/m3	
15) C9-C10 Aromatic HC	17.02	120	358574	24.12	ug/m3	100
16) C9-C10 Aromatic HC {2}	17.73	120	361951	24.31	ug/m3	100
17) C9-C10 Aromatic HC {3}	17.86	120	482912	25.13	ug/m3	100
18) C9-C10 Aromatic HC {4}	18.88	120	101599	26.55	ug/m3	100
19) C9-C10 Aromatic HC {5}	19.14	120	339191	24.00	ug/m3	100
20) C9-C10 Aromatic HC {6}	18.88	134	284721	26.89	ug/m3	100
21) C9-C10 Aromatic HC - TOTAL	18.88	134	1928948m	124.72	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171139.D 030111V1.M Wed Apr 13 18:53:07 2011 Page 1

Quantitation Report

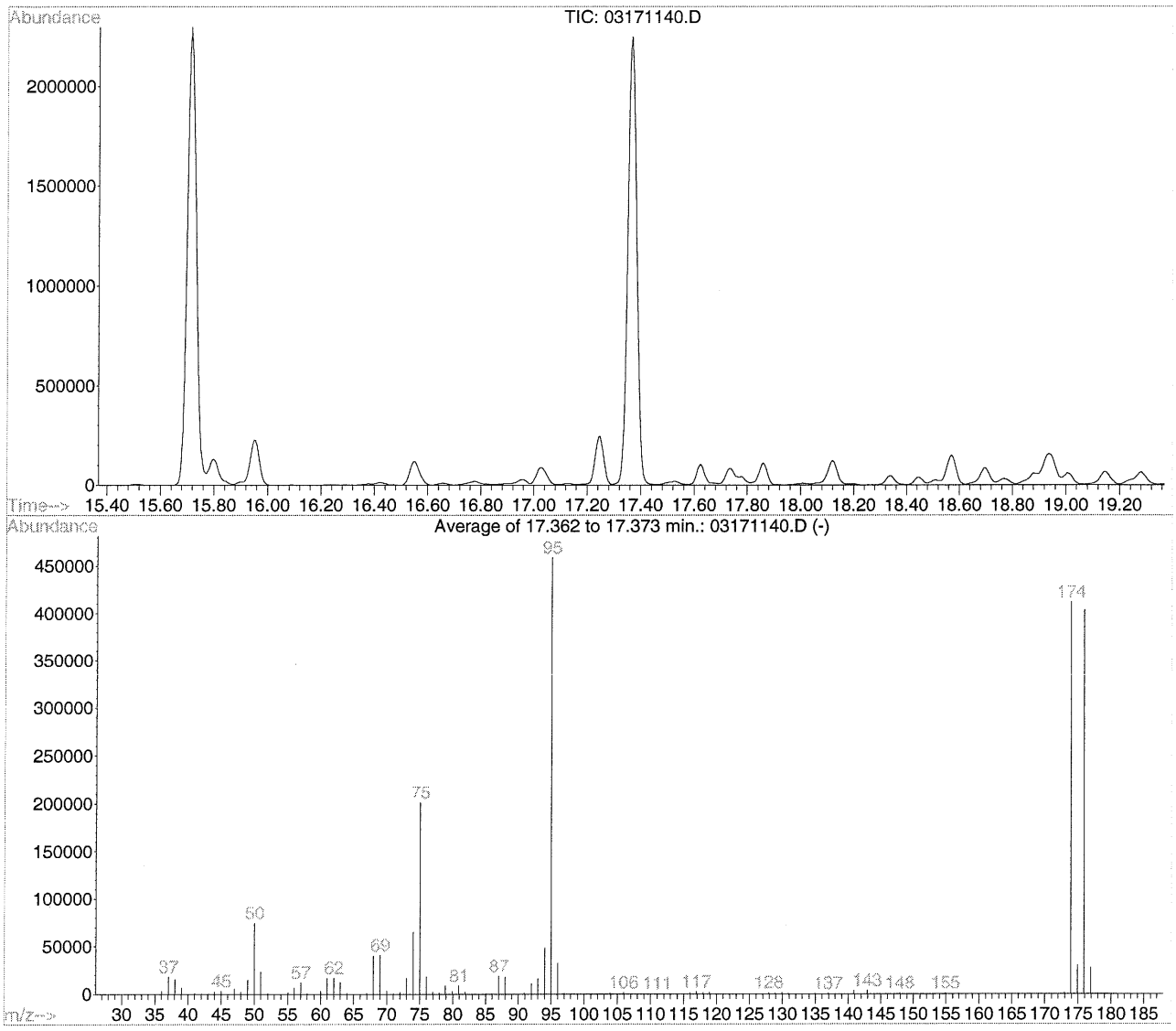
Data File : C:\HPCHEM\1\DATA\031711\03171139.D Vial: 4
Acq On : 18 Mar 2011 2:45 pm Operator: Michael Truchan
Sample : APH RLVS 20cc voa020211a Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 15:01 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



BFB Tune Check (TO-15)

Data File : C:\HPCHEM\1\DATA\031711\03171140.D Vial: 1
Acq On : 18 Mar 2011 4:39 pm Operator: Michael Truchan
Sample : BFB 50cc voa020211c Inst : GC/MS Ins
Misc : ical EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3



Spectrum Information: Average of 17.362 to 17.373 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.3	74792	PASS
75	95	30	60	43.9	201387	PASS
95	95	100	100	100.0	458795	PASS
96	95	5	9	7.0	32051	PASS
173	174	0.00	2	0.4	1625	PASS
174	95	50	120	89.8	412117	PASS
175	174	4	9	7.3	29952	PASS
176	174	93	101	98.0	403733	PASS
177	176	5	9	6.8	27459	PASS

03171140.D 030111V1.M Wed Apr 13 18:53:28 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171142.D Vial: 3
Acq On : 18 Mar 2011 6:02 pm Operator: Michael Truchan
Sample : APH CCV 150cc voa020211b Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Apr 1 12:50 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

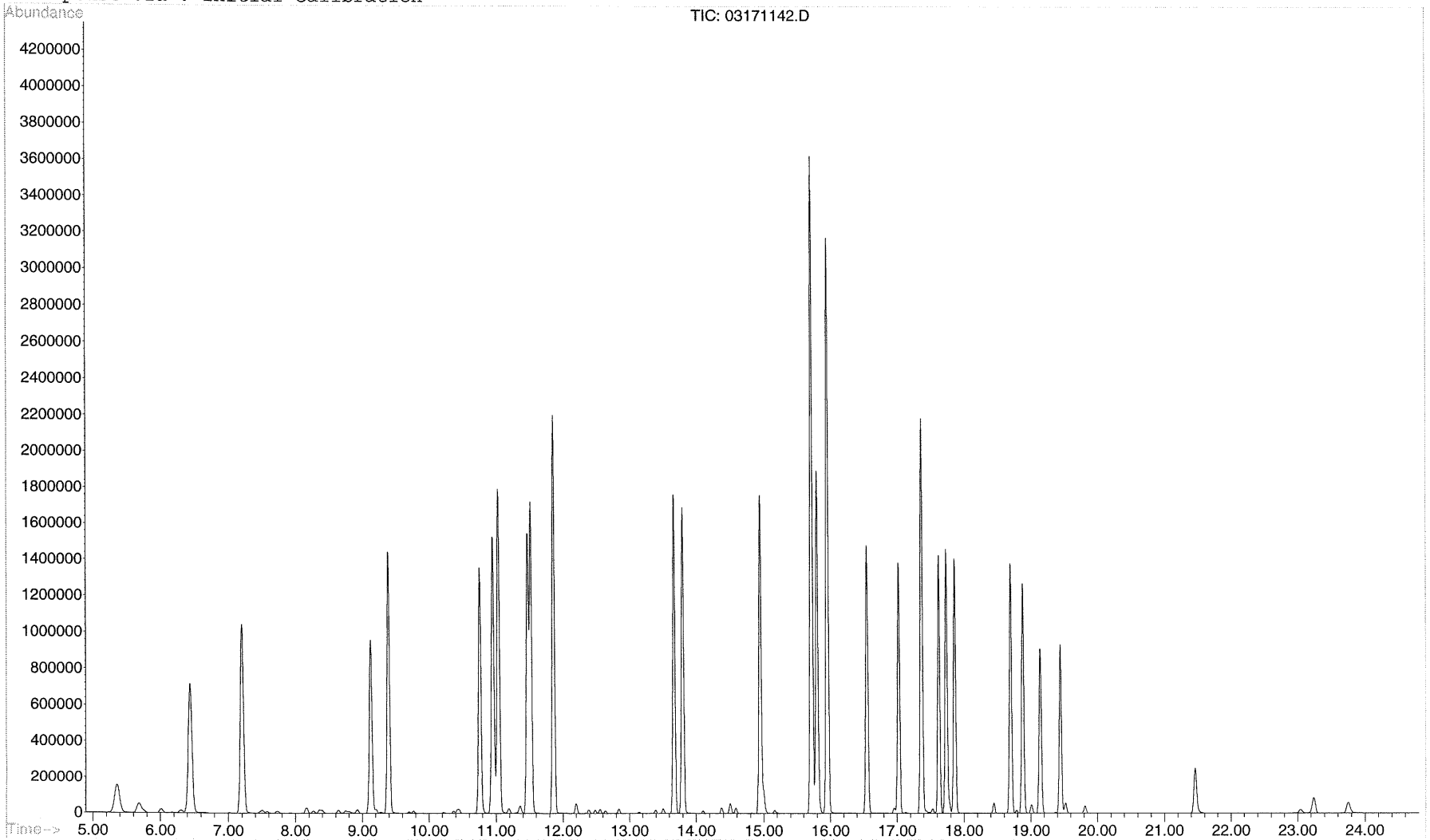
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.71	117	1700321	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1071176	87.16	ug/m3	0.00
Target Compounds						Qvalue
1) C5-C8 Aliphatic HC	7.20	TIC	3557106	22.80	ug/m3	100
2) C5-C8 Aliphatic HC {2}	9.39	TIC	3675452	25.74	ug/m3	100
3) C5-C8 Aliphatic HC {3}	10.95	TIC	4012606	25.25	ug/m3	100
4) C5-C8 Aliphatic HC {4}	11.03	TIC	4784858	31.18	ug/m3	100
5) C5-C8 Aliphatic HC {5}	11.51	TIC	3855153	25.71	ug/m3	100
6) C5-C8 Aliphatic HC {6}	13.67	TIC	3858437	26.46	ug/m3	100
7) C5-C8 Aliphatic HC - TOTAL	7.20	TIC	23743612m	157.35	ug/m3	
8) C9-C12 Aliphatic HC	14.95	TIC	4416642	30.15	ug/m3	100
9) C9-C12 Aliphatic HC {2}	15.71	TIC	8338725	67.67	ug/m3	100
10) C9-C12 Aliphatic HC {3}	17.62	TIC	2894714	28.16	ug/m3	100
11) C9-C12 Aliphatic HC {4}	18.70	TIC	3094677	28.13	ug/m3	100
12) C9-C12 Aliphatic HC {5}	19.44	TIC	2060366	24.78	ug/m3	100
13) C9-C12 Aliphatic HC {6}	21.46	TIC	745933	16.63	ug/m3	100
14) C9-C12 Aliphatic HC - TOTA	21.46	TIC	21551057m	212.93	ug/m3	
15) C9-C10 Aromatic HC	17.02	120	368871	24.81	ug/m3	100
16) C9-C10 Aromatic HC {2}	17.73	120	444513	29.86	ug/m3	100
17) C9-C10 Aromatic HC {3}	17.86	120	549365	28.59	ug/m3	100
18) C9-C10 Aromatic HC {4}	18.88	120	109163	28.53	ug/m3	100
19) C9-C10 Aromatic HC {5}	19.14	120	346919	24.55	ug/m3	100
20) C9-C10 Aromatic HC {6}	18.88	134	310048	29.29	ug/m3	100
21) C9-C10 Aromatic HC - TOTAL	18.88	134	2128879m	137.65	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171142.D 030111V1.M Wed Apr 13 18:53:36 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171142.D Vial: 3
Acq On : 18 Mar 2011 6:02 pm Operator: Michael Truchan
Sample : APH CCV 150cc voa020211b Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Apr 1 12:50 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171143.D Vial: 1
Acq On : 18 Mar 2011 6:48 pm Operator: Michael Truchan
Sample : MBLK Inst : GC/MS Ins
Misc : MBLK EPA_TO15-ug/m3 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Apr 1 12:51 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

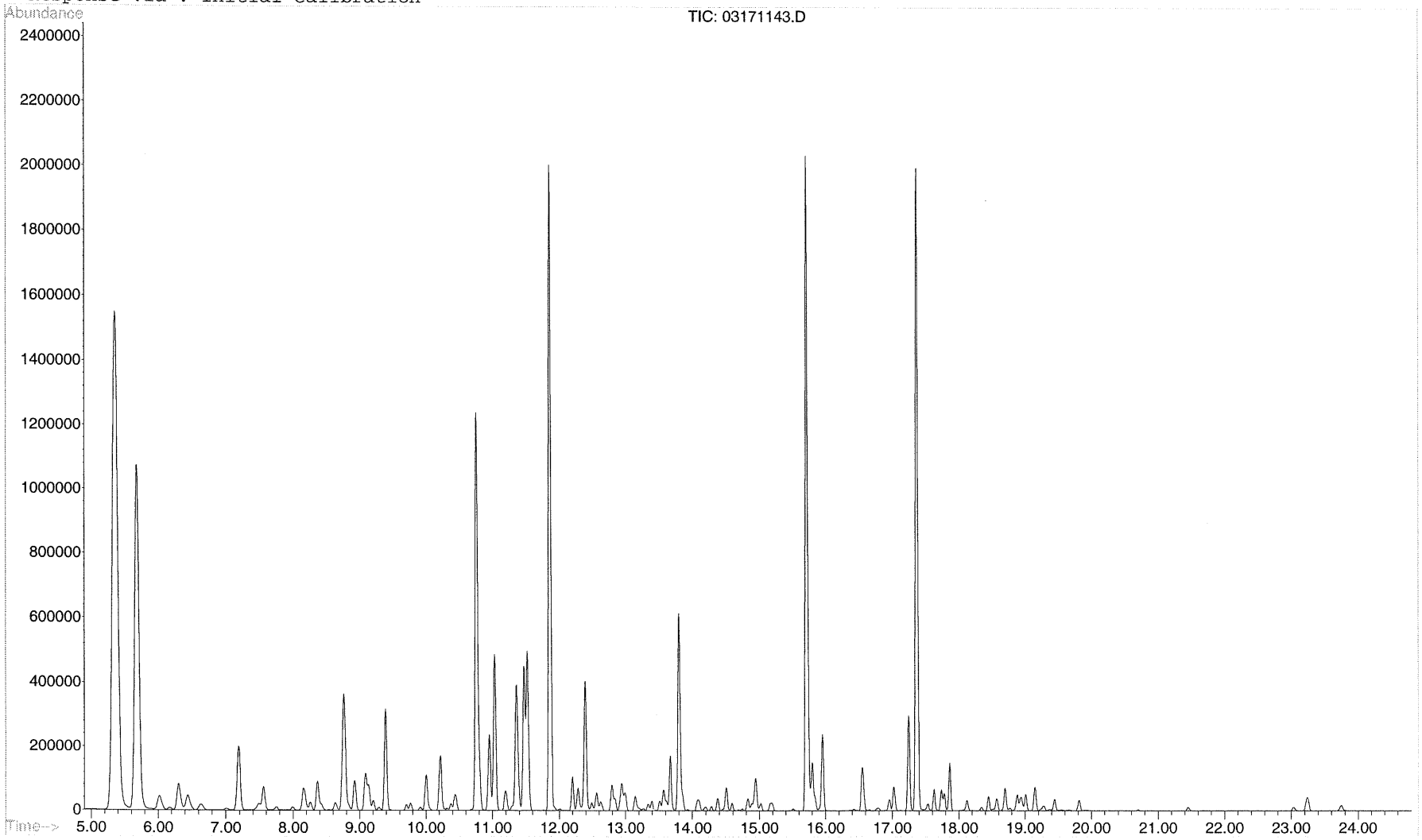
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.71	117	1542082	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	966792	86.74	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	11.86	TIC	25714286m	170.41	ug/m3	
23) non C5-C8	6.44	TIC	199690	1.80	ug/m3	100
24) non C5-C8 {2}	9.09	TIC	352742	3.12	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	3419220	40.83	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	1126672	7.90	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	4752048	33.07	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	1560357	10.46	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	11410729m	94.65	ug/m3	
30) C9-C12 Aliphatic	15.71	TIC	13824160m	117.07	ug/m3	
31) non C9-C12	15.71	TIC	4799021	38.95	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	426300	3.25	ug/m3	100
33) non C9-C12 {3}	15.95	TIC	565851	4.38	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	374368	3.11	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	4559962	49.66	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	10725502m	76.99	ug/m3	
37) C9-C10 Aromatic	17.86	120	140504m	9.08	ug/m3	
38) C9-C10 Aromatic {2}	18.88	134	12846m	0.83	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	153350m	9.92	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171143.D 030111V1.M Wed Apr 13 18:53:46 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171143.D Vial: 1
Acq On : 18 Mar 2011 6:48 pm Operator: Michael Truchan
Sample : MBLK Inst : GC/MS Ins
Misc : MBLK EPA_TO15-ug/m3 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Apr 1 12:51 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171144.D Vial: 11
Acq On : 18 Mar 2011 7:29 pm Operator: Michael Truchan
Sample : 1103120-011A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Apr 1 12:53 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

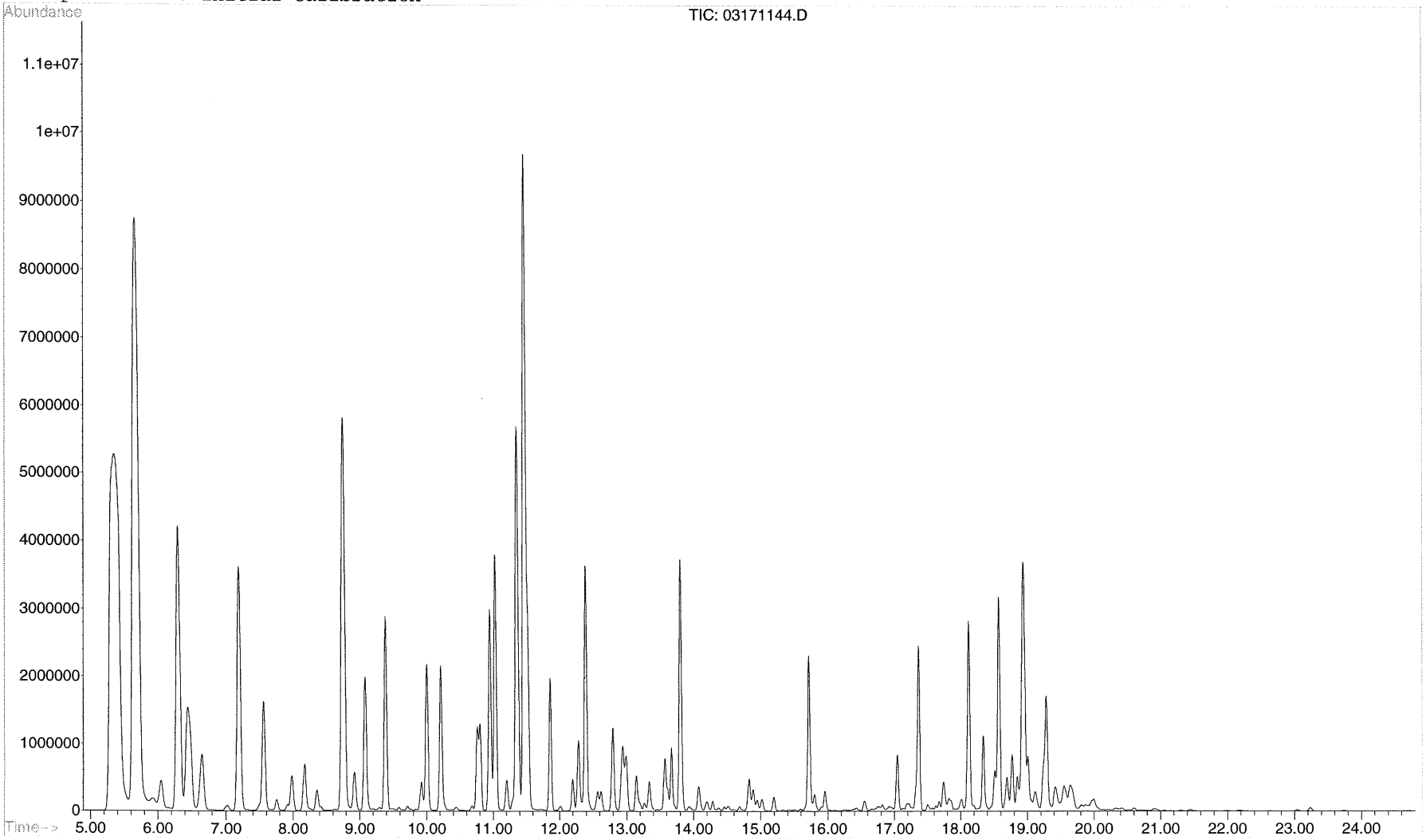
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.71	117	1661740	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1074490	89.46	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	11.47	TIC	212040752m	1405.18	ug/m3	
23) non C5-C8	6.44	TIC	8192187	73.78	ug/m3	100
24) non C5-C8 {2}	9.08	TIC	5682441	50.30	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	3069319	36.65	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	36975373	259.25	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	4616614	32.12	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	9349381	62.69	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	67885315m	563.11	ug/m3	
30) C9-C12 Aliphatic	18.94	TIC	80282044m	679.87	ug/m3	
31) non C9-C12	15.71	TIC	5617471	45.59	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	602268	4.59	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	681512	5.27	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	399274	3.32	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	6606646	71.95	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	13907171m	99.83	ug/m3	
37) C9-C10 Aromatic	17.86	120	105991m	6.85	ug/m3	
38) C9-C10 Aromatic {2}	18.88	134	9701m	0.63	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	115692m	7.48	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171144.D 030111V1.M Wed Apr 13 18:53:54 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171144.D Vial: 11
Acq On : 18 Mar 2011 7:29 pm Operator: Michael Truchan
Sample : 1103120-011A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Apr 1 12:53 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171145.D Vial: 12
Acq On : 18 Mar 2011 8:09 pm Operator: Michael Truchan
Sample : 1103120-012A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Apr 1 12:54 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

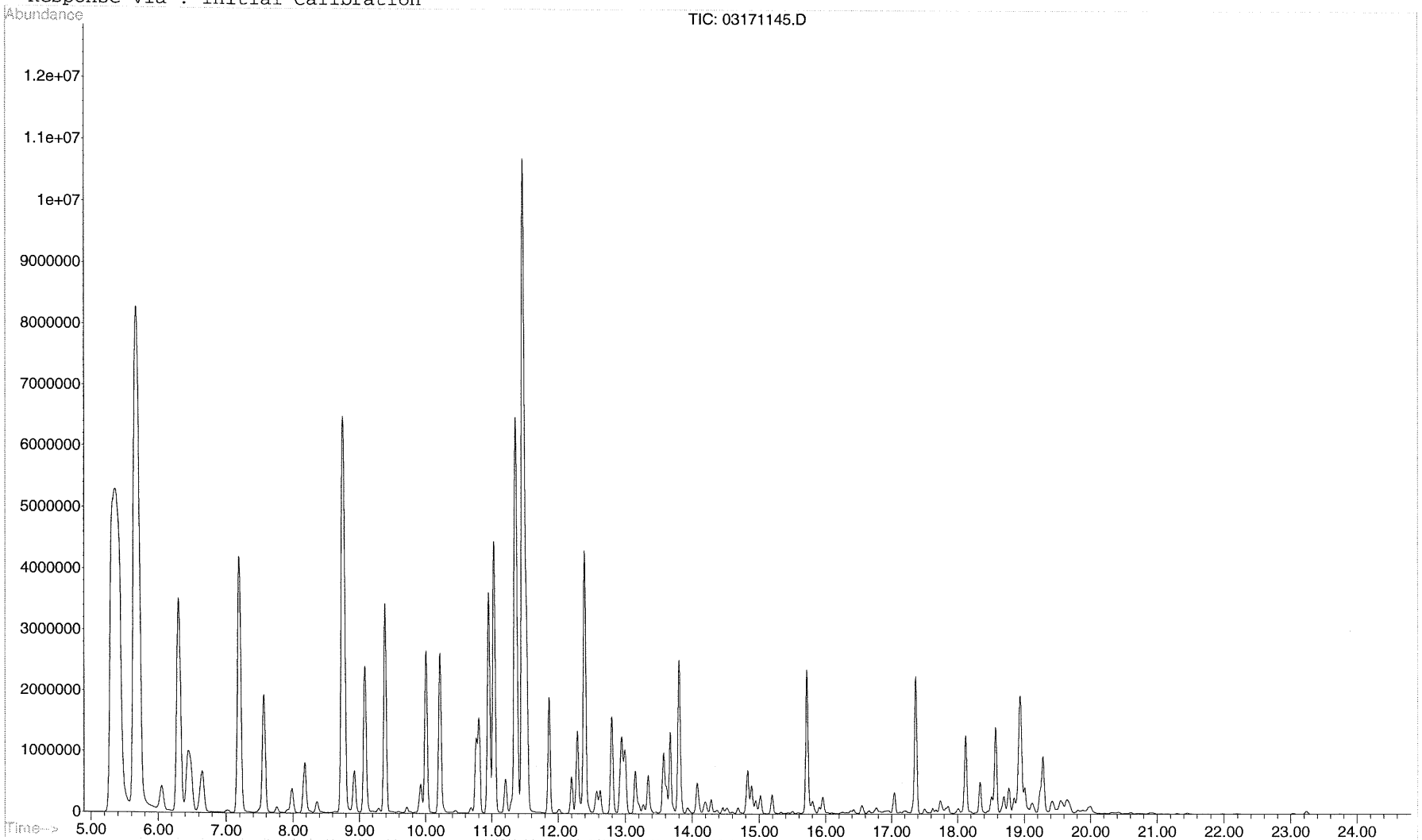
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.72	117	1602432	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1047961	90.48	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	11.47	TIC	243788616m	1615.57	ug/m3	
23) non C5-C8	6.45	TIC	5328391	47.99	ug/m3	100
24) non C5-C8 {2}	9.08	TIC	6895295	61.04	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	2664950	31.82	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	41515589	291.08	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	4422717	30.77	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	6601474	44.27	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	67428416m	559.32	ug/m3	
30) C9-C12 Aliphatic	15.72	TIC	48798512m	413.25	ug/m3	
31) non C9-C12	15.72	TIC	5732456	46.52	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	486108	3.70	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	641810	4.97	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	362930	3.01	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	5578646	60.75	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	12801950m	91.90	ug/m3	
37) C9-C10 Aromatic	17.86	120	98606m	6.38	ug/m3	
38) C9-C10 Aromatic {2}	18.88	134	9152m	0.59	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	107758m	6.97	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171145.D 030111V1.M Wed Apr 13 18:53:58 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171145.D Vial: 12
Acq On : 18 Mar 2011 8:09 pm Operator: Michael Truchan
Sample : 1103120-012A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Apr 1 12:54 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171146.D Vial: 13
Acq On : 18 Mar 2011 8:50 pm Operator: Michael Truchan
Sample : 1103120-014A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Apr 1 12:54 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

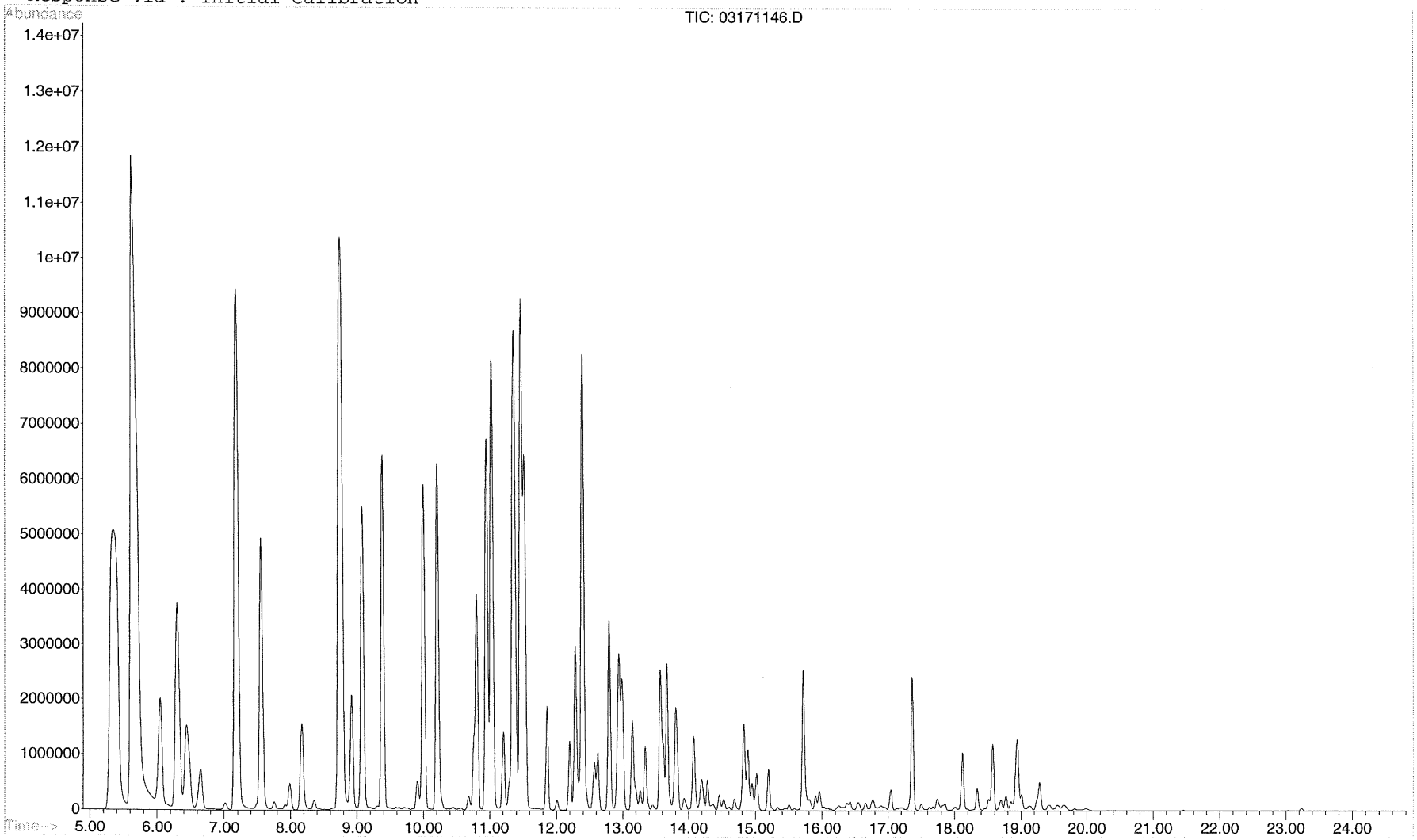
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.72	117	1703463	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.36	95	1144588	92.97	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	8.75	TIC	468521896m	3104.86	ug/m3	
23) non C5-C8	6.44	TIC	7362629	66.31	ug/m3	100
24) non C5-C8 {2}	9.08	TIC	17106702	151.43	ug/m3	100
25) non C5-C8 {3}	10.81	TIC	13032010	155.61	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	26109929	183.07	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	4381327	30.49	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	5952342	39.91	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	73944939m	613.38	ug/m3	
30) C9-C12 Aliphatic	15.72	TIC	43717996m	370.23	ug/m3	
31) non C9-C12	15.72	TIC	6641595	53.90	ug/m3	100
32) non C9-C12 {2}	15.72	TIC	6641595	50.59	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	855774	6.62	ug/m3	100
34) non C9-C12 {4}	16.54	TIC	445413	3.70	ug/m3	100
35) non C9-C12 {5}	17.36	TIC	6017569	65.53	ug/m3	100
36) non C9-C12 - TOTAL	17.36	TIC	20601946m	147.89	ug/m3	
37) C9-C10 Aromatic	17.86	120	94141m	6.09	ug/m3	
38) C9-C10 Aromatic {2}	18.88	134	9733m	0.63	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	103874m	6.72	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171146.D 030111V1.M Wed Apr 13 18:54:03 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171146.D Vial: 13
Acq On : 18 Mar 2011 8:50 pm Operator: Michael Truchan
Sample : 1103120-014A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 40.00
MS Integration Params: CLME.P
Quant Time: Apr 1 12:54 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171147.D Vial: 14
Acq On : 18 Mar 2011 9:31 pm Operator: Michael Truchan
Sample : 1103120-015A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: CLME.P
Quant Time: Apr 1 12:54 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

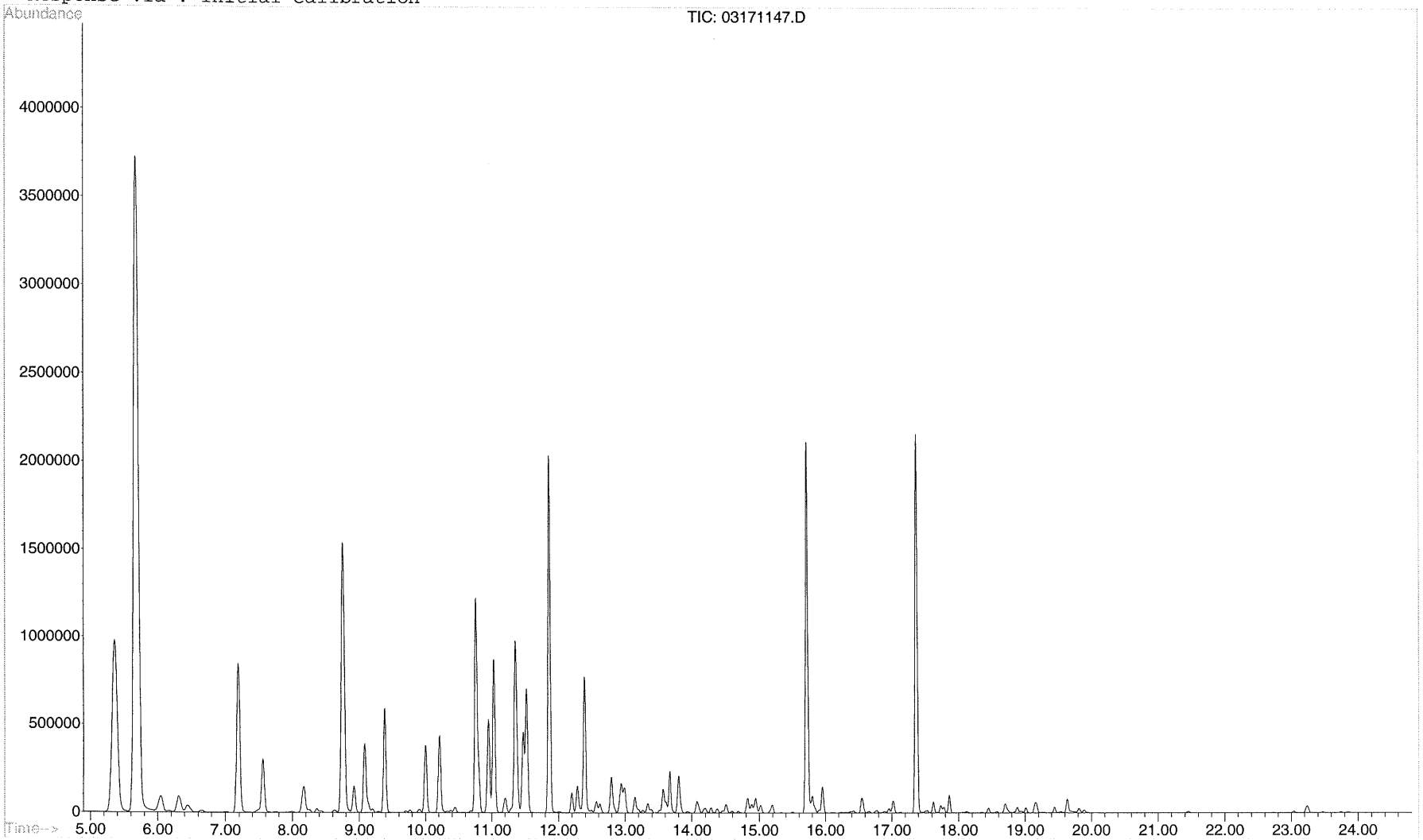
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.71	117	1583158	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1043070	91.16	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	11.86	TIC	41755021m	276.71	ug/m3	
23) non C5-C8	6.44	TIC	187341	1.69	ug/m3	100
24) non C5-C8 {2}	9.08	TIC	1214841	10.75	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	3605642	43.05	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	1102180	7.73	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	4759458	33.12	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	563835	3.78	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	11433297m	94.84	ug/m3	
30) C9-C12 Aliphatic	17.37	TIC	12800841m	108.40	ug/m3	
31) non C9-C12	15.71	TIC	4935780	40.06	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	270366	2.06	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	384621	2.98	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	231603	1.92	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	4913514	53.51	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	10735884m	77.07	ug/m3	
37) C9-C10 Aromatic	17.86	120	92666m	5.99	ug/m3	
38) C9-C10 Aromatic {2}	18.88	134	9127m	0.59	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	101793m	6.58	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171147.D 030111V1.M Wed Apr 13 18:54:08 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171147.D Vial: 14
Acq On : 18 Mar 2011 9:31 pm Operator: Michael Truchan
Sample : 1103120-015A Inst : GC/MS Ins
Misc : SAMP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: CLME.P
Quant Time: Apr 1 12:54 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171148.D Vial: 15
Acq On : 18 Mar 2011 10:12 pm Operator: Michael Truchan
Sample : 1103120-015ADUP Inst : GC/MS Ins
Misc : DUP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: CLME.P
Quant Time: Apr 1 12:55 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

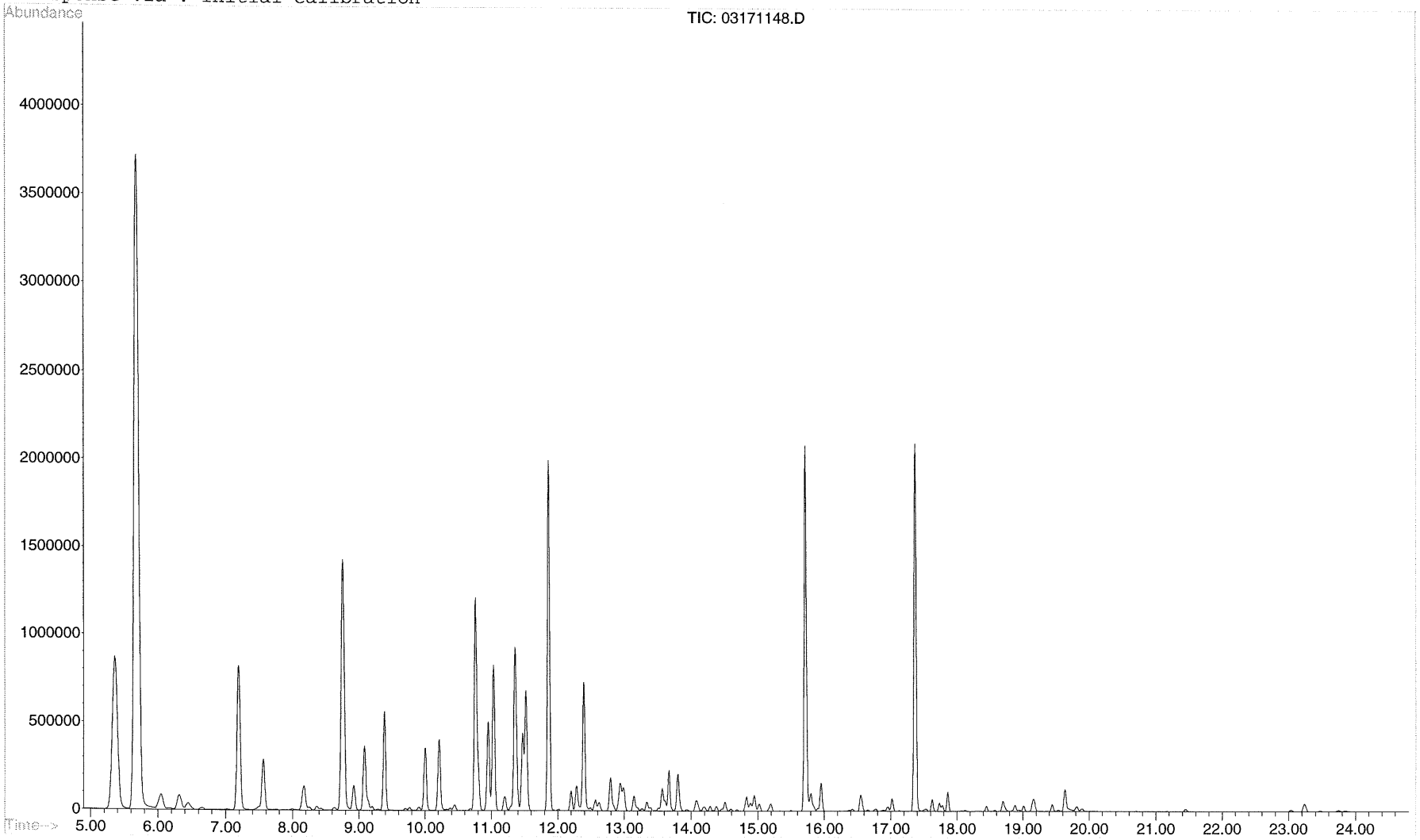
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.71	117	1535347	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1015509	91.51	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	11.86	TIC	40014752m	265.17	ug/m3	
23) non C5-C8	6.45	TIC	177011	1.59	ug/m3	100
24) non C5-C8 {2}	9.08	TIC	1150005	10.18	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	3496185	41.75	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	1060223	7.43	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	4647967	32.34	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	556881	3.73	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	11088272m	91.98	ug/m3	
30) C9-C12 Aliphatic	17.37	TIC	12930657m	109.50	ug/m3	
31) non C9-C12	15.71	TIC	4851625	39.37	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	284676	2.17	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	377565	2.92	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	251978	2.09	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	4773077	51.98	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	10538921m	75.65	ug/m3	
37) C9-C10 Aromatic	17.86	120	102080m	6.60	ug/m3	
38) C9-C10 Aromatic {2}	18.88	134	10267m	0.66	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	112347m	7.26	ug/m3	

(#) = qualifier out of range (m) = manual integration
03171148.D 030111V1.M Wed Apr 13 18:54:14 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171148.D Vial: 15
Acq On : 18 Mar 2011 10:12 pm Operator: Michael Truchan
Sample : 1103120-015ADUP Inst : GC/MS Ins
Misc : DUP EPA_TO15-ug/m3 Multiplr: 16000.00
MS Integration Params: CLME.P
Quant Time: Apr 1 12:55 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\031711\03171150.D Vial: 4
Acq On : 18 Mar 2011 11:34 pm Operator: Michael Truchan
Sample : APH RLVS 20cc voa020211a Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Apr 1 12:55 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 031611V1

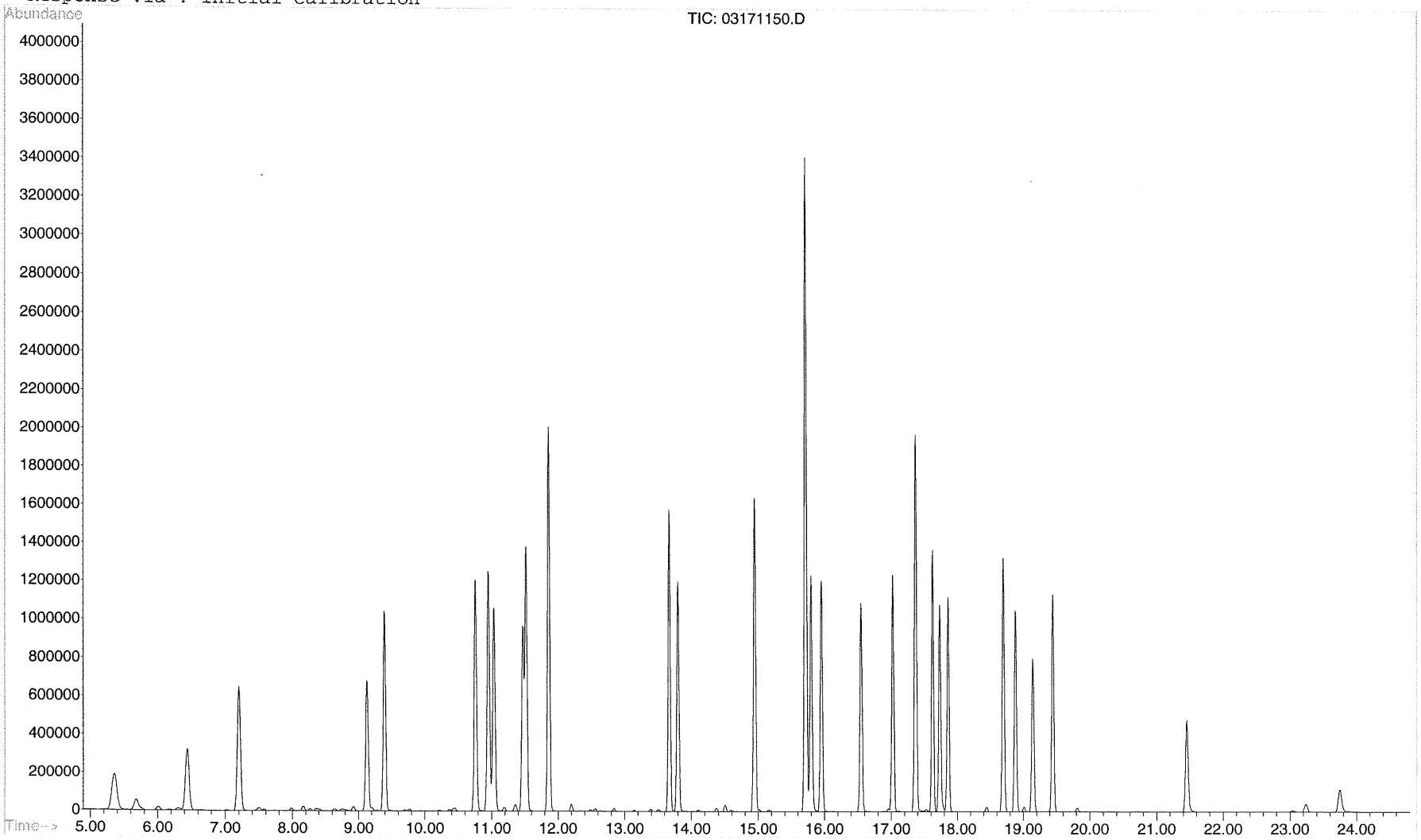
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.71	117	1523537	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	944619	85.79	ug/m3	0.00
Target Compounds						Qvalue
1) C5-C8 Aliphatic HC	7.20	TIC	2169105	13.90	ug/m3	100
2) C5-C8 Aliphatic HC {2}	9.39	TIC	2628752	18.41	ug/m3	100
3) C5-C8 Aliphatic HC {3}	10.95	TIC	3228492	20.32	ug/m3	100
4) C5-C8 Aliphatic HC {4}	11.03	TIC	2786717	18.16	ug/m3	100
5) C5-C8 Aliphatic HC {5}	11.51	TIC	3050310	20.34	ug/m3	100
6) C5-C8 Aliphatic HC {6}	13.67	TIC	3384294	23.21	ug/m3	100
7) C5-C8 Aliphatic HC - TOTAL	7.20	TIC	17247670m	114.30	ug/m3	
8) C9-C12 Aliphatic HC	14.95	TIC	3780760	25.81	ug/m3	100
9) C9-C12 Aliphatic HC {2}	15.71	TIC	7664865	62.21	ug/m3	100
10) C9-C12 Aliphatic HC {3}	17.62	TIC	2775882	27.01	ug/m3	100
11) C9-C12 Aliphatic HC {4}	18.70	TIC	2946099	26.78	ug/m3	100
12) C9-C12 Aliphatic HC {5}	19.44	TIC	2493576	29.98	ug/m3	100
13) C9-C12 Aliphatic HC {6}	21.45	TIC	1362973	30.39	ug/m3	100
14) C9-C12 Aliphatic HC - TOTA	21.45	TIC	21024155m	207.72	ug/m3	
15) C9-C10 Aromatic HC	17.02	120	320808	21.58	ug/m3	100
16) C9-C10 Aromatic HC {2}	17.73	120	319097	21.43	ug/m3	100
17) C9-C10 Aromatic HC {3}	17.86	120	428793	22.32	ug/m3	100
18) C9-C10 Aromatic HC {4}	18.88	120	91037	23.79	ug/m3	100
19) C9-C10 Aromatic HC {5}	19.14	120	302636	21.41	ug/m3	100
20) C9-C10 Aromatic HC {6}	18.88	134	250963	23.71	ug/m3	100
21) C9-C10 Aromatic HC - TOTAL	18.88	134	1713334m	110.78	ug/m3	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\031711\03171150.D Vial: 4
Acq On : 18 Mar 2011 11:34 pm Operator: Michael Truchan
Sample : APH RLVS 20cc voa020211a Inst : GC/MS Ins
Misc : RLVS EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Apr 1 12:55 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Injection Log

Directory: C:\HPCHEM\1\DATA\030311b

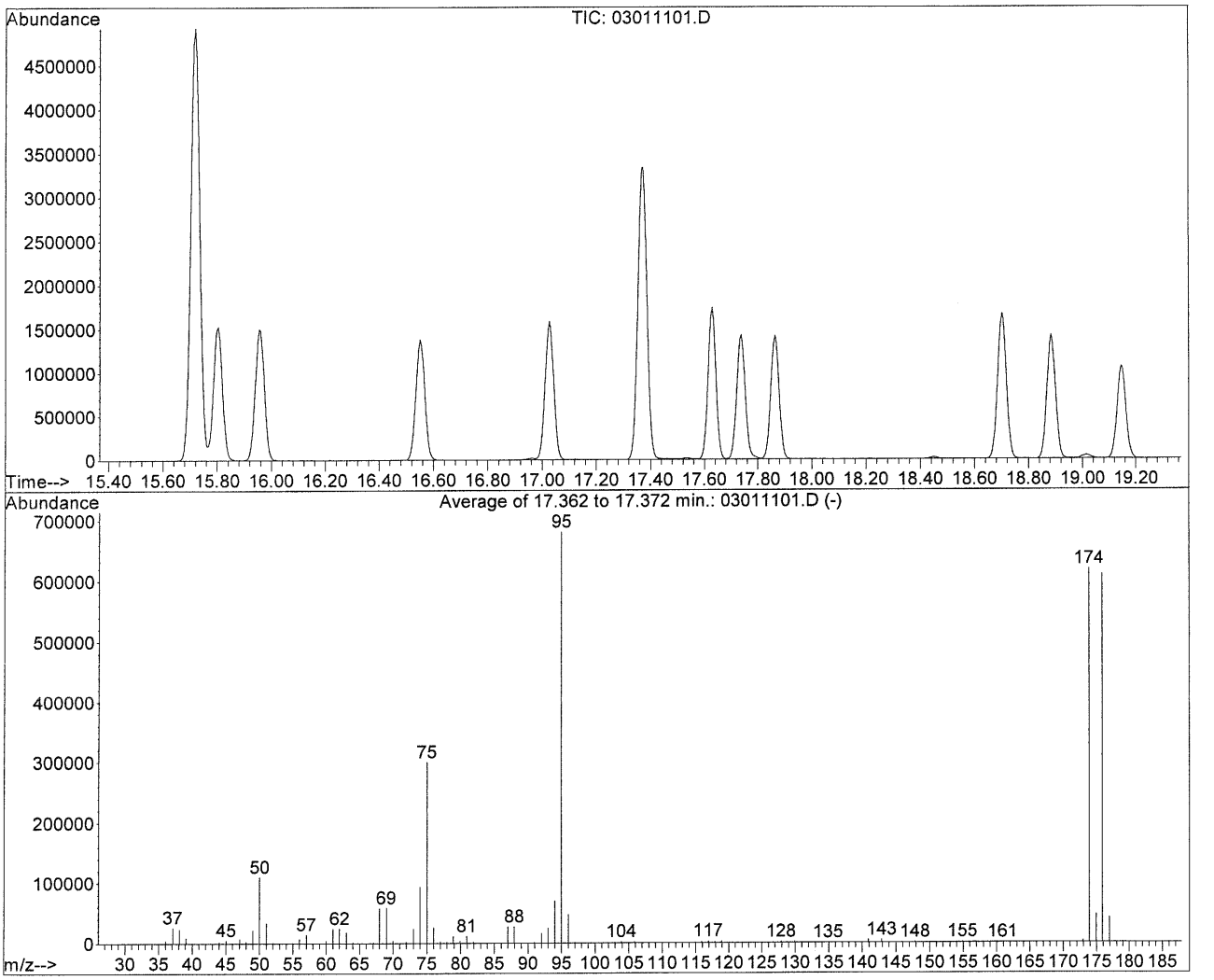
Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	03011101.d	1.	8ppbv APH 20cc voa030111a	ical EPA_TO15	1 Mar 2011 17:42
2	1	03011102.d	1.	8ppbv APH 20cc voa030111a	ical EPA_TO15	1 Mar 2011 18:22
3	1	03011103.d	1.	16ppbv APH 40cc voa030111a	ical EPA_TO15	1 Mar 2011 19:02
4	1	03011104.d	1.	19ppbv APH 48cc voa030111a	ical EPA_TO15	1 Mar 2011 19:43
5	1	03011105.d	1.	24ppbv APH 60cc voa030111a	ical EPA_TO15	1 Mar 2011 20:24
6	1	03011106.d	1.	32ppbv APH 80cc voa030111a	ical EPA_TO15	1 Mar 2011 21:05
7	2	03011107.d	1.	CCV 400cc voa020211b	ical EPA_TO15	1 Mar 2011 21:47
8	1	03011108.d	2.	BLANK	MBLK EPS_METH18	1 Mar 2011 22:30
9	2	03011109.d	2.	CCV 125cc voa020211b	ccv EPA_TO15	2 Mar 2011 11:46

Line 1 is BFB Tune, not Level 1 ICAL. Calibration Standard was mistakenly injected with the Tune Standard

MT 3-17-4

BFB Tune Check (TO-15)

Data File : C:\HPCHEM\1\DATA\030311B\03011101.D Vial: 1
Acq On : 1 Mar 2011 5:42 pm Operator: Michael Truchan
Sample : 8ppbv APH 20cc voa030111a Inst : GC/MS Ins
Misc : ical EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3



AutoFind: Scans 2385, 2386, 2387; Background Corrected with Scan 2373

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.2	110360	PASS
75	95	30	60	44.1	299904	PASS
95	95	100	100	100.0	680256	PASS
96	95	5	9	7.0	47837	PASS
173	174	0.00	2	0.6	3489	PASS
174	95	50	120	90.9	618027	PASS
175	174	4	9	7.5	46235	PASS
176	174	93	101	98.5	609003	PASS
177	176	5	9	6.8	41251	PASS

03011101.D 030111V1.M Fri Apr 15 16:33:50 2011

Response Factor Report GC/MS Ins

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration

Calibration Files
1 =03011102.D 2 =03011103.D 3 =03011104.D
4 =03011105.D 5 =03011106.D

		Compound	1	2	3	4	5	Avg		%RSD
1)	L1	C5-C8 Aliphatic HC	1.883	1.564	1.517	1.453	1.384	1.560	E5	12.35
2)	L1	C5-C8 Aliphatic HC {2	1.716	1.432	1.397	1.329	1.266	1.428	E5	12.13
3)	L1	C5-C8 Aliphatic HC {3	1.921	1.608	1.548	1.478	1.389	1.589	E5	12.78
4)	L1	C5-C8 Aliphatic HC {4	1.836	1.542	1.510	1.426	1.358	1.534	E5	11.94
5)	L1	C5-C8 Aliphatic HC {5	1.821	1.488	1.498	1.383	1.307	1.500	E5	13.09
6)	L1	C5-C8 Aliphatic HC {6	1.753	1.486	1.442	1.357	1.254	1.458	E5	12.82
7)	L1	C5-C8 Aliphatic HC -	1.818	1.518	1.483	1.403	1.323	1.509	E5	12.50
8)	L1	C9-C12 Aliphatic HC	1.767	1.493	1.442	1.362	1.261	1.465	E5	12.99
9)	L1	C9-C12 Aliphatic HC {	1.361	1.271	1.233	1.186	1.110	1.232	E5	7.62
10)	L1	C9-C12 Aliphatic HC {	1.183	1.043	1.031	0.976	0.906	1.028	E5	9.96
11)	L1	C9-C12 Aliphatic HC {	1.275	1.121	1.096	1.051	0.959	1.100	E5	10.48
12)	L1	C9-C12 Aliphatic HC {	1.003	0.841	0.830	0.778	0.706	0.832	E5	13.22
13)	L1	C9-C12 Aliphatic HC {	4.169	4.325	4.460	4.636	4.835	4.485	E4	5.81
14)	L1	C9-C12 Aliphatic HC -	1.178	1.031	1.005	0.958	0.889	1.012	E5	10.61
15)	L1	C9-C10 Aromatic HC	1.719	1.501	1.471	1.425	1.318	1.487	E4	9.88
16)	L1	C9-C10 Aromatic HC {2	1.739	1.502	1.468	1.419	1.316	1.489	E4	10.51
17)	L1	C9-C10 Aromatic HC {3	2.239	1.942	1.893	1.839	1.694	1.921	E4	10.43
18)	L1	C9-C10 Aromatic HC {4	4.333	3.852	3.843	3.678	3.428	3.827	E3	8.66
19)	L1	C9-C10 Aromatic HC {5	1.622	1.419	1.409	1.352	1.265	1.413	E4	9.31
20)	L1	C9-C10 Aromatic HC {6	1.208	1.072	1.058	1.018	0.937	1.059	E4	9.31
21)	L1	C9-C10 Aromatic HC -	1.791	1.564	1.532	1.478	1.367	1.547	E4	10.07
22)		C5-C8 Aliphatic	1.818	1.518	1.483	1.403	1.323	1.509	E5	12.50
23)	L1	non C5-C8	1.321	1.116	1.086	1.046	0.983	1.110	E5	11.51
24)	L1	non C5-C8 {2}	1.360	1.154	1.122	1.052	0.960	1.130	E5	13.15
25)	L1	non C5-C8 {3}	8.335	8.393	8.378	8.358	8.410	8.375	E4	0.35
26)	L1	non C5-C8 {4}	1.725	1.359	1.376	1.385	1.285	1.426	E5	12.05
27)	L1	non C5-C8 {5}	1.436	1.445	1.435	1.434	1.436	1.437	E5	0.31
28)	L1	non C5-C8 {6}	1.780	1.512	1.475	1.402	1.288	1.491	E5	12.24
29)	L1	non C5-C8 - TOTAL	1.274	1.216	1.211	1.193	1.135	1.206	E5	4.14
30)		C9-C12 Aliphatic	1.552	1.194	1.138	1.059	0.961	1.181	E5	19.09
31)	L1	non C9-C12	1.361	1.271	1.233	1.186	1.110	1.232	E5	7.62
32)	L1	non C9-C12 {2}	1.576	1.335	1.288	1.235	1.129	1.313	E5	12.62
33)	L1	non C9-C12 {3}	1.543	1.317	1.273	1.213	1.116	1.292	E5	12.32
34)	L1	non C9-C12 {4}	1.415	1.221	1.189	1.139	1.057	1.204	E5	11.06
35)	L1	non C9-C12 {5}	9.084	9.131	9.162	9.244	9.293	9.183	E4	0.92
36)	L1	non C9-C12 - TOTAL	1.393	1.413	1.410	1.398	1.351	1.393	E5	1.76
37)	L1	C9-C10 Aromatic	1.791	1.564	1.532	1.478	1.367	1.547	E4	10.07
38)	L1	C9-C10 Aromatic {2}	1.791	1.564	1.532	1.478	1.367	1.547	E4	10.07
39)	L1	C9-C10 Aromatic - TOT	1.791	1.564	1.532	1.478	1.367	1.547	E4	10.07
40)	I	Chlorobenzene-d5	----------ISTD----------							
41)	S	4-Bromofluorobenzene	0.087	0.088	0.090	0.092	0.095	0.090		3.69

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\030311B\03011102.D Vial: 1
Acq On : 1 Mar 2011 6:22 pm Operator: Michael Truchan
Sample : 8ppbv APH 20cc voa030111a Inst : GC/MS Ins
Misc : ical EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 13:53 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:53:00 2011
Response via : Initial Calibration
DataAcq Meth : 030111V1

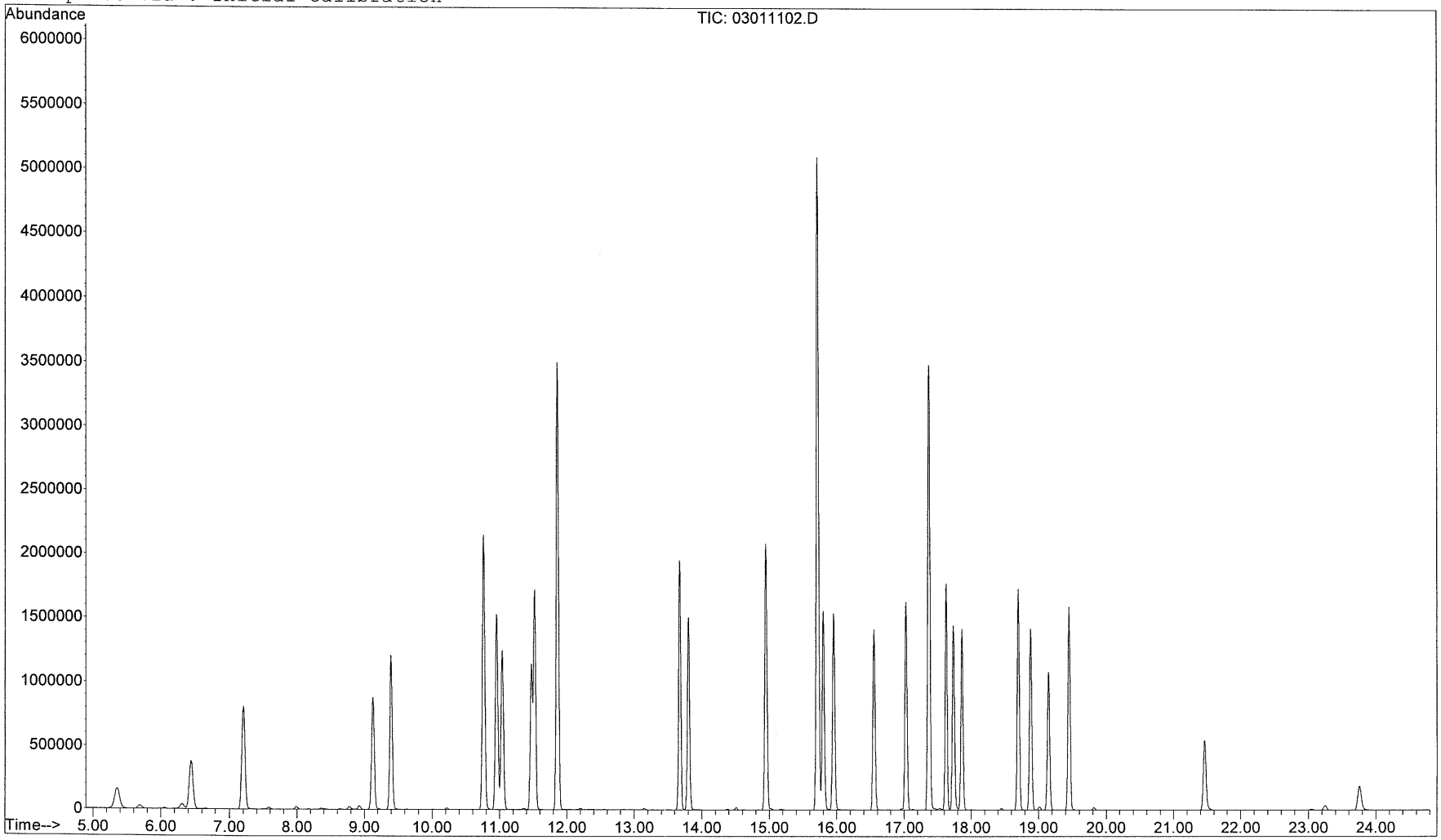
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.72	117	2771208	20.00	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1717633	0.00	ug/m3	0.00
Target Compounds						Qvalue
1) C5-C8 Aliphatic HC	7.20	TIC	2749564	17.62	ug/m3	100
2) C5-C8 Aliphatic HC {2}	9.39	TIC	3123300	21.87	ug/m3	100
3) C5-C8 Aliphatic HC {3}	10.96	TIC	4015833	25.27	ug/m3	100
4) C5-C8 Aliphatic HC {4}	11.04	TIC	3248956	21.17	ug/m3	100
5) C5-C8 Aliphatic HC {5}	11.52	TIC	3842220	25.62	ug/m3	100
6) C5-C8 Aliphatic HC {6}	13.67	TIC	4295174	29.45	ug/m3	100
7) C5-C8 Aliphatic HC - TOTAL	7.20	TIC	21275047m	140.99	ug/m3	
8) C9-C12 Aliphatic HC	14.95	TIC	4824764	32.93	ug/m3	100
9) C9-C12 Aliphatic HC {2}	15.72	TIC	11898753	96.57	ug/m3	100
10) C9-C12 Aliphatic HC {3}	17.63	TIC	3620974	35.23	ug/m3	100
11) C9-C12 Aliphatic HC {4}	18.70	TIC	3874587	35.22	ug/m3	100
12) C9-C12 Aliphatic HC {5}	19.45	TIC	3522168	42.35	ug/m3	100
13) C9-C12 Aliphatic HC {6}	21.46	TIC	1596605	35.60	ug/m3	100
14) C9-C12 Aliphatic HC - TOTA	21.46	TIC	29337851m	289.86	ug/m3	
15) C9-C10 Aromatic HC	17.03	120	443409	29.82	ug/m3	100
16) C9-C10 Aromatic HC {2}	17.74	120	445232	29.91	ug/m3	100
17) C9-C10 Aromatic HC {3}	17.87	120	584386	30.41	ug/m3	100
18) C9-C10 Aromatic HC {4}	18.89	120	127401	33.29	ug/m3	100
19) C9-C10 Aromatic HC {5}	19.15	120	426578	30.18	ug/m3	100
20) C9-C10 Aromatic HC {6}	18.89	134	355066	33.54	ug/m3	100
21) C9-C10 Aromatic HC - TOTAL	18.89	134	2382072m	154.02	ug/m3	
22) C5-C8 Aliphatic	7.20	TIC	2741674	18.17	ug/m3	100
23) non C5-C8	6.44	TIC	1505949	13.56	ug/m3	100
24) non C5-C8 {2}	9.13	TIC	2501888	22.15	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	5509627	65.79	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	2812421	19.72	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	8387031	58.36	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	3488634	23.39	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	24205550m	200.79	ug/m3	
30) C9-C12 Aliphatic	15.72	TIC	11898880	100.77	ug/m3	100
31) non C9-C12	15.72	TIC	11898753	96.57	ug/m3	100
32) non C9-C12 {2}	15.81	TIC	3592296	27.36	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	3550016	27.47	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	3197383	26.55	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	8130169	88.54	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	30368617m	218.00	ug/m3	

(#) = qualifier out of range (m) = manual integration
03011102.D 030111V1.M Fri Apr 15 16:34:02 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\030311B\03011102.D Vial: 1
Acq On : 1 Mar 2011 6:22 pm Operator: Michael Truchan
Sample : 8ppbv APH 20cc voa030111a Inst : GC/MS Ins
Misc : ical EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 13:53 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\030311B\03011103.D Vial: 1
Acq On : 1 Mar 2011 7:02 pm Operator: Michael Truchan
Sample : 16ppbv APH 40cc voa030111a Inst : GC/MS Ins
Misc : ical EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 13:54 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:53:00 2011
Response via : Initial Calibration
DataAcq Meth : 030111V1

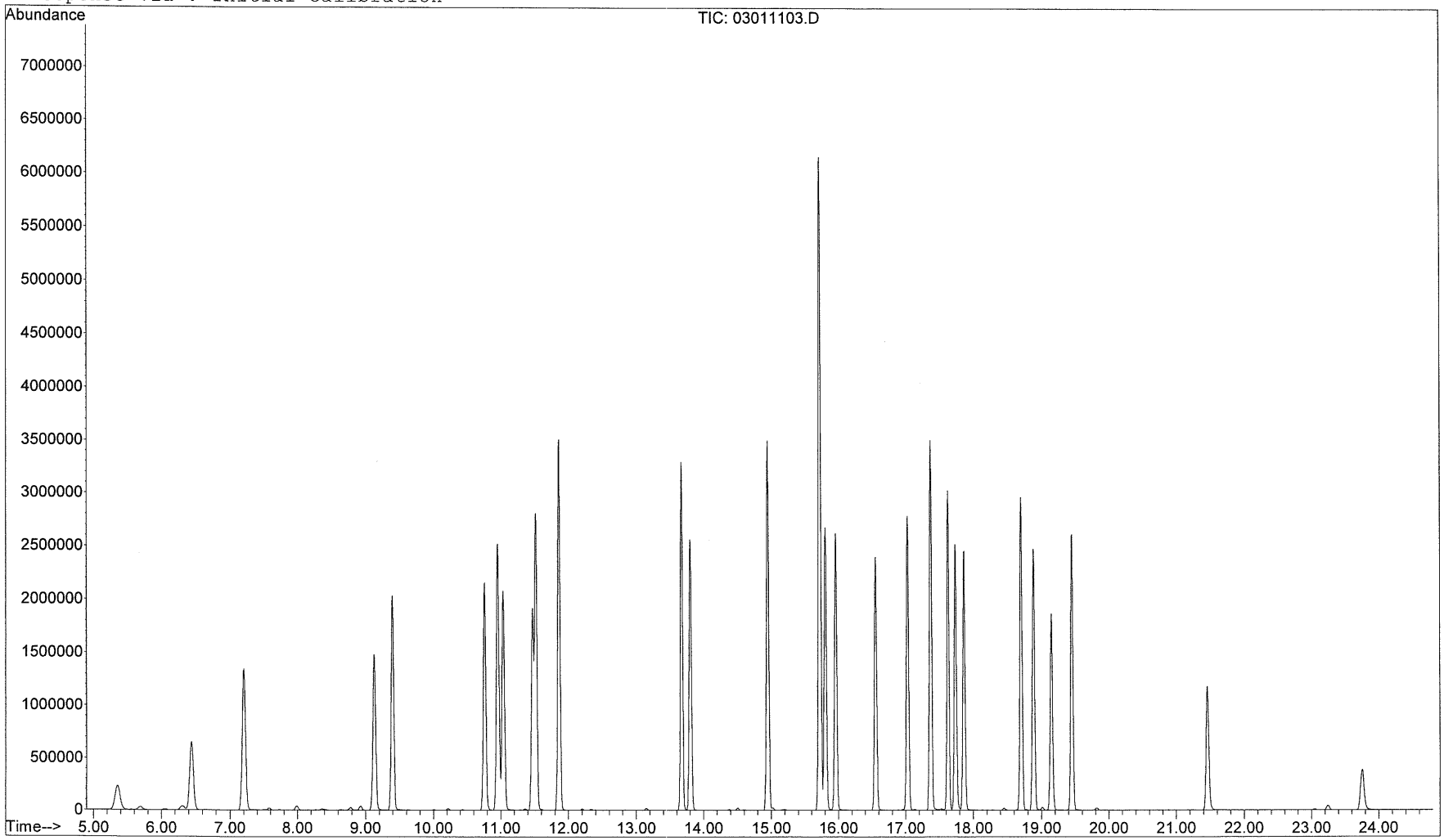
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.72	117	2728559	20.00	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1722550	0.00	ug/m3	0.00
Target Compounds						Qvalue
1) C5-C8 Aliphatic HC	7.20	TIC	4567277	29.27	ug/m3	100
2) C5-C8 Aliphatic HC {2}	9.39	TIC	5212931	36.51	ug/m3	100
3) C5-C8 Aliphatic HC {3}	10.96	TIC	6722464	42.31	ug/m3	100
4) C5-C8 Aliphatic HC {4}	11.04	TIC	5458826	35.58	ug/m3	100
5) C5-C8 Aliphatic HC {5}	11.52	TIC	6280886	41.88	ug/m3	100
6) C5-C8 Aliphatic HC {6}	13.67	TIC	7279057	49.91	ug/m3	100
7) C5-C8 Aliphatic HC - TOTAL	7.20	TIC	35521441m	235.40	ug/m3	
8) C9-C12 Aliphatic HC	14.95	TIC	8149958	55.63	ug/m3	100
9) C9-C12 Aliphatic HC {2}	15.72	TIC	14573414	118.27	ug/m3	100
10) C9-C12 Aliphatic HC {3}	17.63	TIC	6380281	62.08	ug/m3	100
11) C9-C12 Aliphatic HC {4}	18.70	TIC	6814343	61.94	ug/m3	100
12) C9-C12 Aliphatic HC {5}	19.45	TIC	5887798	70.80	ug/m3	100
13) C9-C12 Aliphatic HC {6}	21.46	TIC	3330166	74.25	ug/m3	100
14) C9-C12 Aliphatic HC - TOTA	21.46	TIC	45135960m	445.95	ug/m3	
15) C9-C10 Aromatic HC	17.03	120	776042	52.19	ug/m3	100
16) C9-C10 Aromatic HC {2}	17.74	120	769012	51.65	ug/m3	100
17) C9-C10 Aromatic HC {3}	17.87	120	1013938	52.77	ug/m3	100
18) C9-C10 Aromatic HC {4}	18.88	120	226112	59.09	ug/m3	100
19) C9-C10 Aromatic HC {5}	19.15	120	746229	52.80	ug/m3	100
20) C9-C10 Aromatic HC {6}	18.89	134	629470	59.46	ug/m3	100
21) C9-C10 Aromatic HC - TOTAL	18.89	134	4160803m	269.03	ug/m3	
22) C5-C8 Aliphatic	7.20	TIC	4567277	30.27	ug/m3	100
23) non C5-C8	6.44	TIC	2543431	22.91	ug/m3	100
24) non C5-C8 {2}	9.13	TIC	4246144	37.59	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	5547656	66.24	ug/m3	100
26) non C5-C8 {4}	11.48	TIC	4417797	30.98	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	8437958	58.71	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	5925689	39.74	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	31118675m	258.13	ug/m3	
30) C9-C12 Aliphatic	15.72	TIC	14563931	123.34	ug/m3	100
31) non C9-C12	15.72	TIC	14573414	118.27	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	6087941	46.37	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	6056789	46.87	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	5508955	45.75	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	8171862	88.99	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	40398961m	290.01	ug/m3	

(#) = qualifier out of range (m) = manual integration
03011103.D 030111V1.M Fri Apr 15 16:34:42 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\030311B\03011103.D Vial: 1
Acq On : 1 Mar 2011 7:02 pm Operator: Michael Truchan
Sample : 16ppbv APH 40cc voa030111a Inst : GC/MS Ins
Misc : ical EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 13:54 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\030311B\03011104.D Vial: 1
Acq On : 1 Mar 2011 7:43 pm Operator: Michael Truchan
Sample : 19ppbv APH 48cc voa030111a Inst : GC/MS Ins
Misc : ical EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 13:54 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:53:00 2011
Response via : Initial Calibration
DataAcq Meth : 030111V1

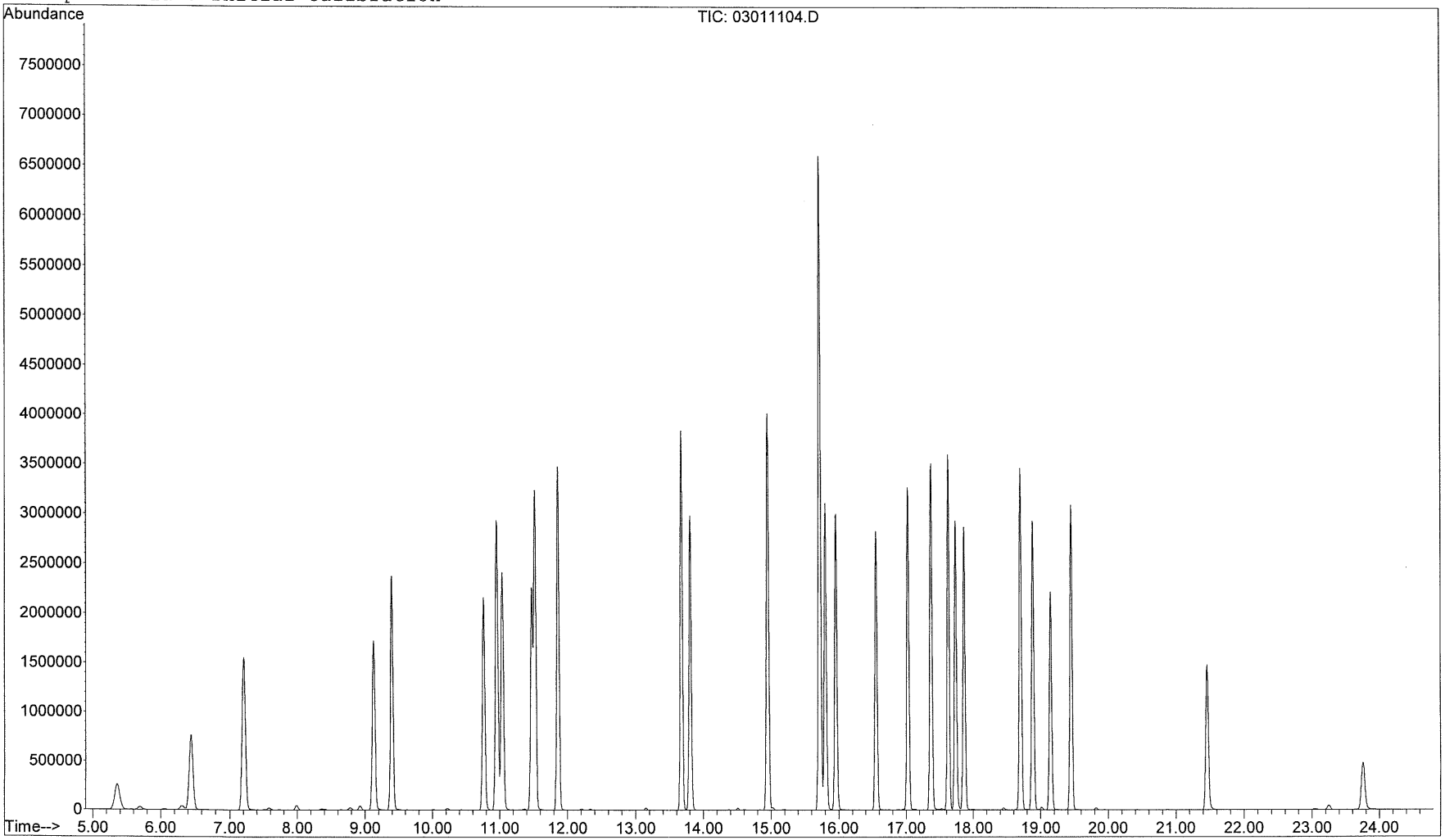
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.72	117	2688252	20.00	ug/m3	0.01
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1731370	0.00	ug/m3	0.00
Target Compounds						Qvalue
1) C5-C8 Aliphatic HC	7.21	TIC	5309607	34.03	ug/m3	100
2) C5-C8 Aliphatic HC {2}	9.40	TIC	6090557	42.65	ug/m3	100
3) C5-C8 Aliphatic HC {3}	10.96	TIC	7772601	48.92	ug/m3	100
4) C5-C8 Aliphatic HC {4}	11.04	TIC	6419612	41.84	ug/m3	100
5) C5-C8 Aliphatic HC {5}	11.52	TIC	7596478	50.66	ug/m3	100
6) C5-C8 Aliphatic HC {6}	13.68	TIC	8477671	58.13	ug/m3	100
7) C5-C8 Aliphatic HC - TOTAL	7.21	TIC	41666526m	276.12	ug/m3	
8) C9-C12 Aliphatic HC	14.95	TIC	9514652	64.95	ug/m3	100
9) C9-C12 Aliphatic HC {2}	15.72	TIC	15548801	126.19	ug/m3	100
10) C9-C12 Aliphatic HC {3}	17.63	TIC	7528146	73.25	ug/m3	100
11) C9-C12 Aliphatic HC {4}	18.70	TIC	7997992	72.70	ug/m3	100
12) C9-C12 Aliphatic HC {5}	19.45	TIC	6970944	83.82	ug/m3	100
13) C9-C12 Aliphatic HC {6}	21.46	TIC	4103076	91.49	ug/m3	100
14) C9-C12 Aliphatic HC - TOTA	21.46	TIC	51663611m	510.44	ug/m3	
15) C9-C10 Aromatic HC	17.03	120	912214	61.35	ug/m3	100
16) C9-C10 Aromatic HC {2}	17.74	120	901314	60.54	ug/m3	100
17) C9-C10 Aromatic HC {3}	17.86	120	1192540	62.07	ug/m3	100
18) C9-C10 Aromatic HC {4}	18.88	120	268999	70.29	ug/m3	100
19) C9-C10 Aromatic HC {5}	19.15	120	887685	62.81	ug/m3	100
20) C9-C10 Aromatic HC {6}	18.88	134	740666	69.96	ug/m3	100
21) C9-C10 Aromatic HC - TOTAL	18.88	134	4903418m	317.05	ug/m3	
22) C5-C8 Aliphatic	7.21	TIC	5309050	35.18	ug/m3	100
23) non C5-C8	6.45	TIC	2964551	26.70	ug/m3	100
24) non C5-C8 {2}	9.13	TIC	4959346	43.90	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	5537718	66.12	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	5367253	37.63	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	8379267	58.31	ug/m3	100
28) non C5-C8 {6}	13.81	TIC	6930562	46.47	ug/m3	100
29) non C5-C8 - TOTAL	13.81	TIC	34138697m	283.18	ug/m3	
30) C9-C12 Aliphatic	15.72	TIC	15537044	131.58	ug/m3	100
31) non C9-C12	15.72	TIC	15548801	126.19	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	7047165	53.68	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	7024594	54.36	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	6443884	53.52	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	8200020	89.30	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	44264464m	317.76	ug/m3	

(#) = qualifier out of range (m) = manual integration
03011104.D 030111V1.M Fri Apr 15 16:34:50 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\030311B\03011104.D Vial: 1
Acq On : 1 Mar 2011 7:43 pm Operator: Michael Truchan
Sample : 19ppbv APH 48cc voa030111a Inst : GC/MS Ins
Misc : ical EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 13:54 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\030311B\03011105.D Vial: 1
Acq On : 1 Mar 2011 8:24 pm Operator: Michael Truchan
Sample : 24ppbv APH 60cc voa030111a Inst : GC/MS Ins
Misc : ical EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 13:53 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:53:00 2011
Response via : Initial Calibration
DataAcq Meth : 030111V1

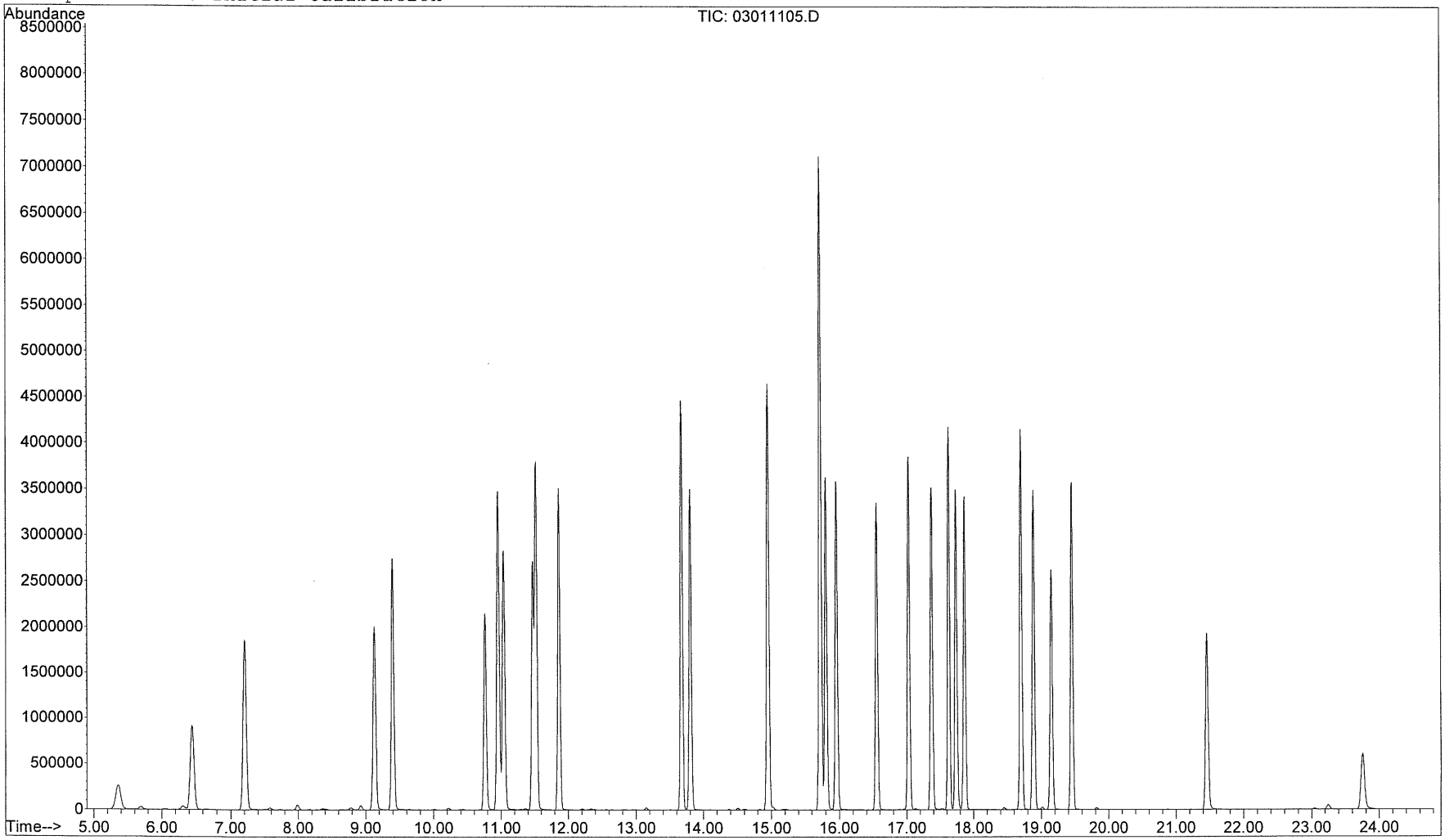
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.72	117	2651457	20.00	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1744783	0.00	ug/m3	0.00
Target Compounds						Qvalue
1) C5-C8 Aliphatic HC	7.20	TIC	6364786	40.79	ug/m3	100
2) C5-C8 Aliphatic HC {2}	9.40	TIC	7242921	50.72	ug/m3	100
3) C5-C8 Aliphatic HC {3}	10.96	TIC	9309472	58.59	ug/m3	100
4) C5-C8 Aliphatic HC {4}	11.04	TIC	7574521	49.36	ug/m3	100
5) C5-C8 Aliphatic HC {5}	11.52	TIC	8714234	58.11	ug/m3	100
6) C5-C8 Aliphatic HC {6}	13.67	TIC	10043743	68.87	ug/m3	100
7) C5-C8 Aliphatic HC - TOTAL	7.20	TIC	49249677m	326.37	ug/m3	
8) C9-C12 Aliphatic HC	14.95	TIC	11167355	76.23	ug/m3	100
9) C9-C12 Aliphatic HC {2}	15.72	TIC	16854883	136.79	ug/m3	100
10) C9-C12 Aliphatic HC {3}	17.63	TIC	8976870	87.34	ug/m3	100
11) C9-C12 Aliphatic HC {4}	18.70	TIC	9560646	86.90	ug/m3	100
12) C9-C12 Aliphatic HC {5}	19.45	TIC	8170126	98.24	ug/m3	100
13) C9-C12 Aliphatic HC {6}	21.45	TIC	5331809	118.88	ug/m3	100
14) C9-C12 Aliphatic HC - TOTA	21.45	TIC	60061689m	593.42	ug/m3	
15) C9-C10 Aromatic HC	17.03	120	1097572	73.82	ug/m3	100
16) C9-C10 Aromatic HC {2}	17.74	120	1092331	73.37	ug/m3	100
17) C9-C10 Aromatic HC {3}	17.87	120	1434337	74.65	ug/m3	100
18) C9-C10 Aromatic HC {4}	18.89	120	323650	84.58	ug/m3	100
19) C9-C10 Aromatic HC {5}	19.15	120	1067922	75.56	ug/m3	100
20) C9-C10 Aromatic HC {6}	18.89	134	895948	84.63	ug/m3	100
21) C9-C10 Aromatic HC - TOTAL	18.89	134	5911760m	382.25	ug/m3	
22) C5-C8 Aliphatic	7.20	TIC	6354238	42.11	ug/m3	100
23) non C5-C8	6.44	TIC	3568482	32.14	ug/m3	100
24) non C5-C8 {2}	9.13	TIC	5809391	51.43	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	5524418	65.97	ug/m3	100
26) non C5-C8 {4}	11.48	TIC	6761233	47.41	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	8375969	58.28	ug/m3	100
28) non C5-C8 {6}	13.80	TIC	8244538	55.28	ug/m3	100
29) non C5-C8 - TOTAL	13.80	TIC	38284031m	317.57	ug/m3	
30) C9-C12 Aliphatic	15.72	TIC	16849892	142.69	ug/m3	100
31) non C9-C12	15.72	TIC	16854883	136.79	ug/m3	100
32) non C9-C12 {2}	15.81	TIC	8401288	64.00	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	8368393	64.75	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	7742668	64.30	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	8273794	90.10	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	49641026m	356.35	ug/m3	

(#) = qualifier out of range (m) = manual integration
03011105.D 030111V1.M Fri Apr 15 16:34:58 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\030311B\03011105.D Vial: 1
Acq On : 1 Mar 2011 8:24 pm Operator: Michael Truchan
Sample : 24ppbv APH 60cc voa030111a Inst : GC/MS Ins
Misc : ical EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 13:53 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\030311B\03011106.D Vial: 1
Acq On : 1 Mar 2011 9:05 pm Operator: Michael Truchan
Sample : 32ppbv APH 80cc voa030111a Inst : GC/MS Ins
Misc : ical EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 13:53 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:53:00 2011
Response via : Initial Calibration
DataAcq Meth : 030111V1

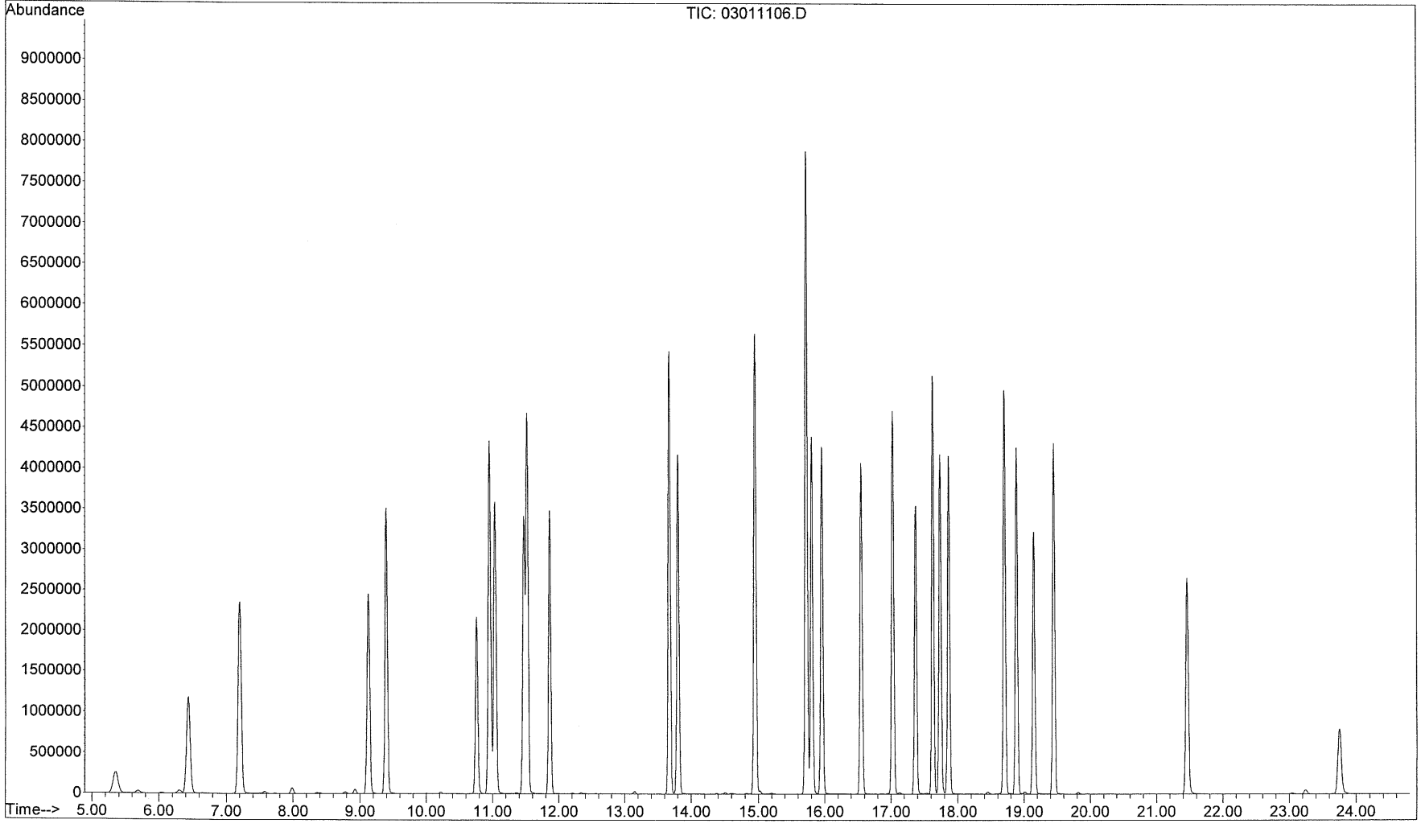
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.72	117	2585470	20.00	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1760995	0.00	ug/m3	0.00
Target Compounds						Qvalue
1) C5-C8 Aliphatic HC	7.20	TIC	8084935	51.81	ug/m3	100
2) C5-C8 Aliphatic HC {2}	9.40	TIC	9240195	64.71	ug/m3	100
3) C5-C8 Aliphatic HC {3}	10.96	TIC	11665387	73.42	ug/m3	100
4) C5-C8 Aliphatic HC {4}	11.04	TIC	9639584	62.82	ug/m3	100
5) C5-C8 Aliphatic HC {5}	11.52	TIC	10978580	73.21	ug/m3	100
6) C5-C8 Aliphatic HC {6}	13.68	TIC	12292250	84.29	ug/m3	100
7) C5-C8 Aliphatic HC - TOTAL	7.20	TIC	61900931m	410.21	ug/m3	
8) C9-C12 Aliphatic HC	14.95	TIC	13749214	93.85	ug/m3	100
9) C9-C12 Aliphatic HC {2}	15.72	TIC	18766776	152.30	ug/m3	100
10) C9-C12 Aliphatic HC {3}	17.63	TIC	11054278	107.55	ug/m3	100
11) C9-C12 Aliphatic HC {4}	18.70	TIC	11704403	106.39	ug/m3	100
12) C9-C12 Aliphatic HC {5}	19.45	TIC	9948794	119.63	ug/m3	100
13) C9-C12 Aliphatic HC {6}	21.46	TIC	7397165	164.93	ug/m3	100
14) C9-C12 Aliphatic HC - TOTA	21.46	TIC	72620630m	717.50	ug/m3	
15) C9-C10 Aromatic HC	17.03	120	1357729	91.31	ug/m3	100
16) C9-C10 Aromatic HC {2}	17.74	120	1342559	90.18	ug/m3	100
17) C9-C10 Aromatic HC {3}	17.86	120	1761688	91.69	ug/m3	100
18) C9-C10 Aromatic HC {4}	18.88	120	401038	104.80	ug/m3	100
19) C9-C10 Aromatic HC {5}	19.15	120	1328570	94.00	ug/m3	100
20) C9-C10 Aromatic HC {6}	18.88	134	1096328	103.56	ug/m3	100
21) C9-C10 Aromatic HC - TOTAL	18.88	134	7287912m	471.23	ug/m3	
22) C5-C8 Aliphatic	7.20	TIC	8085666	53.58	ug/m3	100
23) non C5-C8	6.44	TIC	4472411	40.28	ug/m3	100
24) non C5-C8 {2}	9.13	TIC	7106089	62.90	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	5559045	66.38	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	8350828	58.55	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	8383693	58.34	ug/m3	100
28) non C5-C8 {6}	13.81	TIC	10047747	67.38	ug/m3	100
29) non C5-C8 - TOTAL	13.81	TIC	43919813m	364.32	ug/m3	
30) C9-C12 Aliphatic	15.72	TIC	18742755	158.72	ug/m3	100
31) non C9-C12	15.72	TIC	18766776	152.30	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	10278250	78.29	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	10268114	79.45	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	9510071	78.98	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	8345010	90.88	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	57168221m	410.39	ug/m3	

(#) = qualifier out of range (m) = manual integration
03011106.D 030111V1.M Fri Apr 15 16:35:11 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\030311B\03011106.D Vial: 1
Acq On : 1 Mar 2011 9:05 pm Operator: Michael Truchan
Sample : 32ppbv APH 80cc voa030111a Inst : GC/MS Ins
Misc : ical EPA_TO15 Multiplr: 1.00
MS Integration Params: CLME.P
Quant Time: Mar 22 13:53 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\030311B\03011108.D Vial: 1
Acq On : 1 Mar 2011 10:30 pm Operator: Michael Truchan
Sample : BLANK Inst : GC/MS Ins
Misc : MBLK EPS_METH18 Multiplr: 2.00
MS Integration Params: CLME.P
Quant Time: Apr 15 16:30 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 030111V1

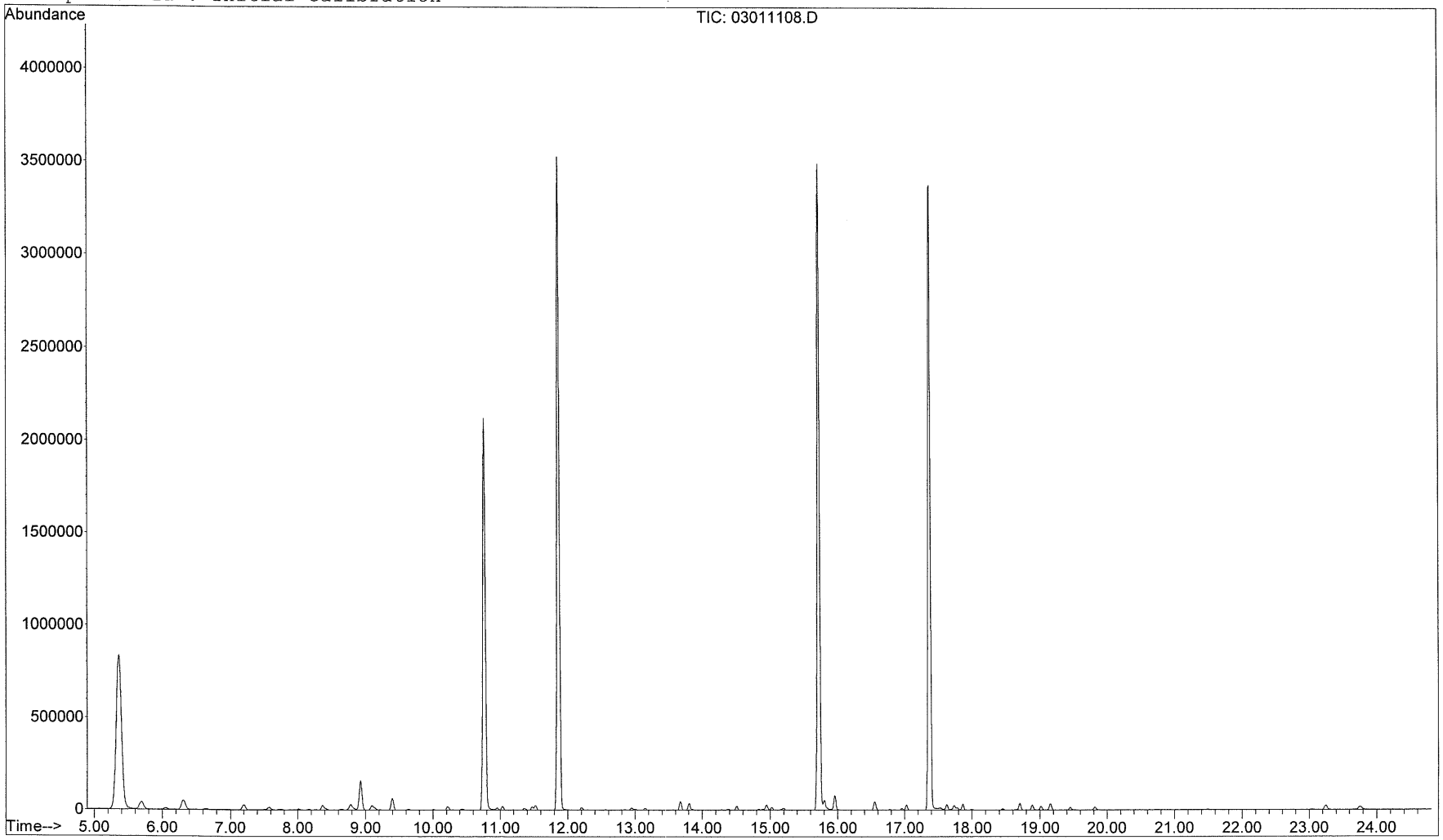
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.72	117	2822914	12.50	ug/m3	0.01
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1663801	81.55	ug/m3	0.00
Target Compounds						Qvalue
22) C5-C8 Aliphatic	11.86	TIC	16110348m	106.76	ug/m3	
23) non C5-C8	6.47	TIC	4573	0.04	ug/m3	100
24) non C5-C8 {2}	9.10	TIC	88974	0.79	ug/m3	100
25) non C5-C8 {3}	10.76	TIC	5449943	65.08	ug/m3	100
26) non C5-C8 {4}	11.47	TIC	37125	0.26	ug/m3	100
27) non C5-C8 {5}	11.86	TIC	8542457	59.44	ug/m3	100
28) non C5-C8 {6}	13.81	TIC	80641	0.54	ug/m3	100
29) non C5-C8 - TOTAL	13.81	TIC	14203713m	117.82	ug/m3	
30) C9-C12 Aliphatic	15.72	TIC	17537157m	148.51	ug/m3	
31) non C9-C12	15.72	TIC	8286944	67.25	ug/m3	100
32) non C9-C12 {2}	15.80	TIC	135080	1.03	ug/m3	100
33) non C9-C12 {3}	15.96	TIC	183314	1.42	ug/m3	100
34) non C9-C12 {4}	16.55	TIC	108081	0.90	ug/m3	100
35) non C9-C12 {5}	17.37	TIC	7886690	85.89	ug/m3	100
36) non C9-C12 - TOTAL	17.37	TIC	16600109m	119.17	ug/m3	
37) C9-C10 Aromatic	17.86	120	51806m	3.35	ug/m3	
38) C9-C10 Aromatic {2}	18.88	134	6294m	0.41	ug/m3	
39) C9-C10 Aromatic - TOTAL	0.00	134	58100m	3.76	ug/m3	

(#) = qualifier out of range (m) = manual integration
03011108.D 030111V1.M Fri Apr 15 16:35:28 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\030311B\03011108.D Vial: 1
Acq On : 1 Mar 2011 10:30 pm Operator: Michael Truchan
Sample : BLANK Inst : GC/MS Ins
Misc : MBLK EPS_METH18 Multiplr: 2.00
MS Integration Params: CLME.P
Quant Time: Apr 15 16:30 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

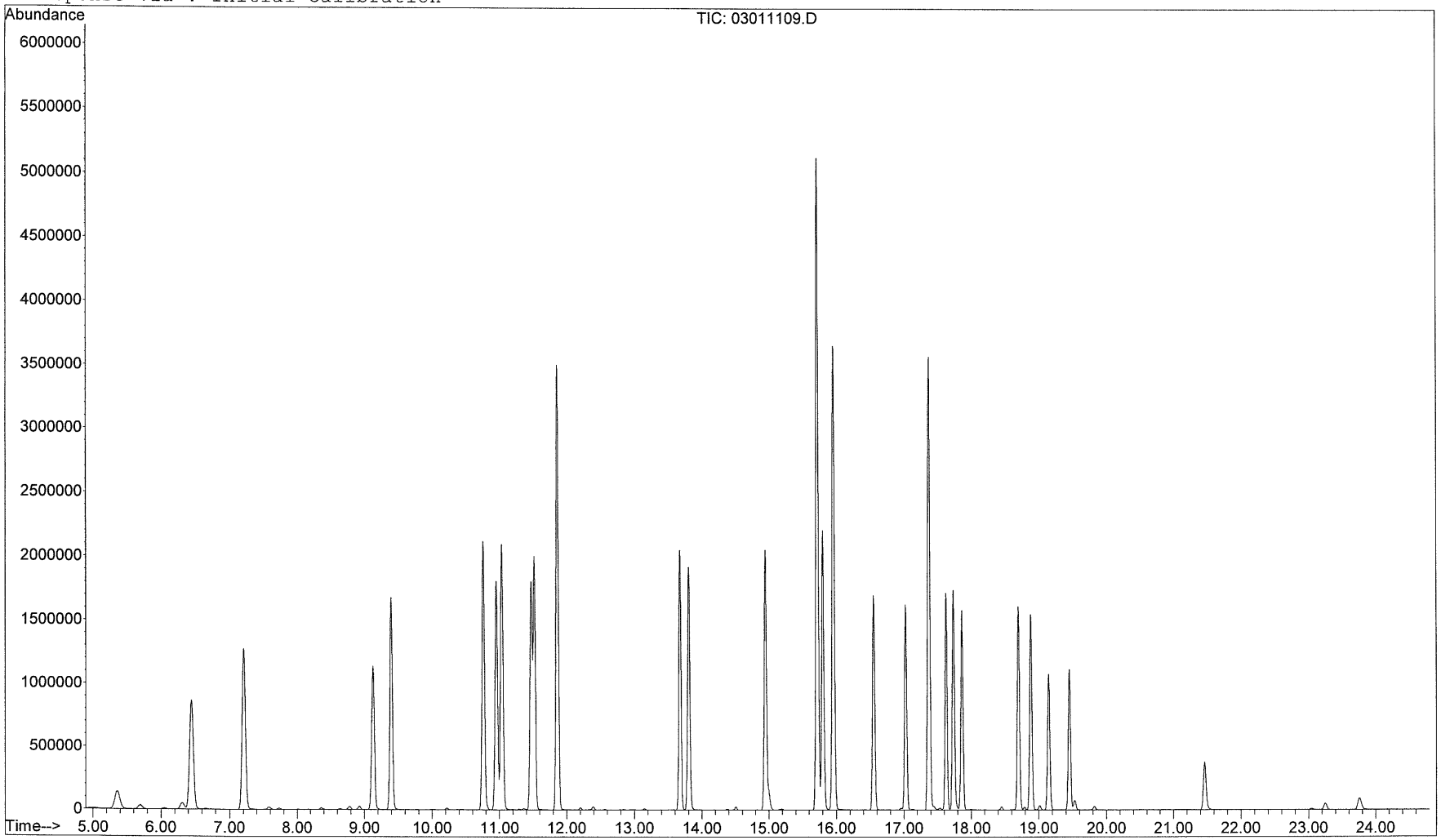
Data File : C:\HPCHEM\1\DATA\030311B\03011109.D Vial: 2
Acq On : 2 Mar 2011 11:46 am Operator: Michael Truchan
Sample : CCV 125cc voa020211b Inst : GC/MS Ins
Misc : ccv EPA_TO15 Multiplr: 2.00
MS Integration Params: CLME.P
Quant Time: Apr 15 16:20 2011 Quant Results File: 030111V1.RES

Quant Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration
DataAcq Meth : 030111V1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Chlorobenzene-d5	15.72	117	2770717	12.50	ug/m3	0.00
System Monitoring Compounds						
41) 4-Bromofluorobenzene	17.37	95	1764669	88.12	ug/m3	0.00
Target Compounds						Qvalue
1) C5-C8 Aliphatic HC	7.20	TIC	4338426	27.80	ug/m3	100
2) C5-C8 Aliphatic HC {2}	9.40	TIC	4322410	30.27	ug/m3	100
3) C5-C8 Aliphatic HC {3}	10.95	TIC	4732308	29.78	ug/m3	100
4) C5-C8 Aliphatic HC {4}	11.04	TIC	5490215	35.78	ug/m3	100
5) C5-C8 Aliphatic HC {5}	11.52	TIC	4250366	28.34	ug/m3	100
6) C5-C8 Aliphatic HC {6}	13.67	TIC	4493864	30.81	ug/m3	100
7) C5-C8 Aliphatic HC - TOTAL	7.20	TIC	27627589m	183.09	ug/m3	
8) C9-C12 Aliphatic HC	14.95	TIC	5133726	35.04	ug/m3	100
9) C9-C12 Aliphatic HC {2}	15.72	TIC	11943997	96.93	ug/m3	100
10) C9-C12 Aliphatic HC {3}	17.63	TIC	3501790	34.07	ug/m3	100
11) C9-C12 Aliphatic HC {4}	18.70	TIC	3671778	33.37	ug/m3	100
12) C9-C12 Aliphatic HC {5}	19.45	TIC	2480182	29.82	ug/m3	100
13) C9-C12 Aliphatic HC {6}	21.46	TIC	1088648	24.27	ug/m3	100
14) C9-C12 Aliphatic HC - TOTA	21.46	TIC	27820121m	274.87	ug/m3	
15) C9-C10 Aromatic HC	17.03	120	442261	29.74	ug/m3	100
16) C9-C10 Aromatic HC {2}	17.74	120	523808	35.18	ug/m3	100
17) C9-C10 Aromatic HC {3}	17.86	120	633755	32.98	ug/m3	100
18) C9-C10 Aromatic HC {4}	18.88	120	134273	35.09	ug/m3	100
19) C9-C10 Aromatic HC {5}	19.15	120	420754	29.77	ug/m3	100
20) C9-C10 Aromatic HC {6}	18.88	134	380164	35.91	ug/m3	100
21) C9-C10 Aromatic HC - TOTAL	18.88	134	2535015m	163.91	ug/m3	

(#) = qualifier out of range (m) = manual integration
03011109.D 030111V1.M Fri Apr 15 16:35:36 2011 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\030311B\03011109.D Vial: 2
Acq On : 2 Mar 2011 11:46 am Operator: Michael Truchan
Sample : CCV 125cc voa020211b Inst : GC/MS Ins
Misc : ccv EPA_TO15 Multiplr: 2.00
MS Integration Params: CLME.P
Quant Time: Apr 15 16:20 2011 Quant Results File: 030111V1.RES

Method : C:\HPCHEM\1\METHODS\030111V1.M (RTE Integrator)
Title : Mass. APH ug/m3
Last Update : Tue Mar 22 12:56:18 2011
Response via : Initial Calibration