Extended Data Report

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 200-24551-1

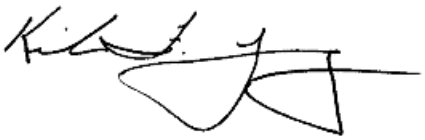
SDG Number: A8091390 (200-24551)

Job Description: A8091390 (200-24551)

Contract Number: A74214

For:
New Jersey Dept of Environmental Pro
SRP - Contract & Fund Management
401 East State Street, 6th Floor
Mail Code 401-06J, PO BOX 420
Trenton, NJ 08625-0420

Attention: Ms. Kathleen Grimes



Approved for release.
Kirk F Young
Senior Project Manager
10/23/2014 3:20 PM

Kirk F Young, Senior Project Manager
30 Community Drive, South Burlington, VT, 05403
(802)660-1990
kirk.young@testamericainc.com
10/23/2014

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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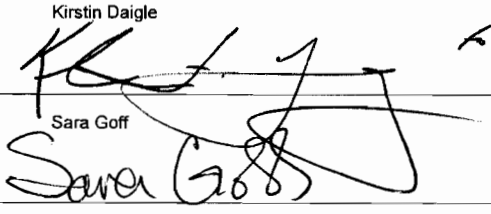
ANALYTICAL DATA PACKAGE FOR THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION TRENTON, NEW JERSEY 08625

Agency/Division:	SRP	**Bureau/Office:**	BEMSA
Project No:	A8091390	**Contract No.:**	A74214
Laboratory Name:	TestAmerica Laboratories	**Laboratory Location:**	South Burlington, Vermont
SDG or Batch No.:	A8091390 (200-24551)	**NJDEP Certification No.:**	VT972
Date of First Sample Receipt:	10/03/2014	**Date of Last Sample Receipt:**	10/03/2014

Agency Sample Number	Laboratory Sample Number	Sample Location	Date and Time of Collection
DUP	200-24551-12	DUP	10/01/2014 12:01
PW-33	200-24551-2	PW-33	10/01/2014 10:27
PW-34	200-24551-3	PW-34	10/01/2014 10:49
PW-37	200-24551-4	PW-37	10/01/2014 12:34
PW-38	200-24551-5	PW-38	10/01/2014 12:55
PW-40	200-24551-6	PW-40	10/01/2014 13:14
PW-43	200-24551-7	PW-43	10/01/2014 11:23
PW-48	200-24551-8	PW-48	10/01/2014 14:02
PW-50	200-24551-9	PW-50	10/01/2014 13:36
PW-52	200-24551-10	PW-52	10/01/2014 09:54
PW-52 DL	200-24551-10	PW-52	10/01/2014 09:54
PW-52DU	200-24551-10	PW-52	10/01/2014 09:54
PW-52MS	200-24551-10	PW-52	10/01/2014 09:54
PW-52MSD	200-24551-10	PW-52	10/01/2014 09:54
PW-52TRL	200-24551-10	PW-52	10/01/2014 09:54
PW-53	200-24551-11	PW-53	10/01/2014 12:01
TRIP BLANK	200-24551-1	TRIP BLANK	10/01/2014 00:00

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

Laboratory Manager (Typed):	Kirstin Daigle	**Date:**
Laboratory Manager (Signature):		10/23/2014
Quality Assurance Manager (Typed):	Sara Goff	**Date:**
Quality Assurance Manager (Signature):		10/23/2014

DEP-095
3/04

New Jersey Department of Environmental Protection

External Chain of Custody and Sample Analysis Request Form

(With Shipping Container)

Laboratory Information

Name of Laboratory: Test America Burlington
Address: 30 Community Dr Suite 11
South Burlington, VT 05403
Time/Date Sample Shipping Container Sealed: 1615 9/24/14

Individual Preparing Sample Bottles and Shipping Container(s)
Name: Joel Atherton
Title: Sample Custodian
Laboratory Affixed Seal No. 5478

NJDEP Information

Division: DRS Bureau: BEMSA Phone: (____) _____ Job Number: A8091390

Requested Analysis

NJDEP Field Sample Number	Sampling Time Start/Stop	Sampling Date	Parameter	Method	Preserv.	Container Volume	Container Quantity	Matrix
PW-33	1024-1027	10/1/2014		331.0		125ml	1	Aqueous
PW-34	1046-1049			331.0		125ml	1	
PW-37	1230-1234			331.0		125ml	1	
PW-38	1252-1255			331.0		125ml	1	
PW-40	1312-1314			331.0		125ml	1	
PW-43	1120-1123			331.0		125ml	1	
PW-48	1358-1402			504.1		40ml	3	
PW-50	1334-1336			331.0		125ml	1	
PW-52	0944-0954		VOA MS/REP/REP	524.2		40ml	12	
↓	↓		MS/REP/REP	504.1		40ml	12	
			MS/MSD/REP/REP	245.1		500ml	5	
↓	↓		MS/MSD	331.0		125ml	3	
PW-53	1149-1201			524.2		40ml	3	
↓	↓			504.1		40ml	3	
				245.1		500ml	1	
↓	↓	↓		331.0		125ml	1	↓

Preservative Added: (Check One) ☒ Laboratory ☐ Field ☐ Unpreserved

Contract Number: A74214 Task Number: _____ Report Format: Full Reg.

External Chain of Custody

Relinquished	Received	Time/Date	Reason for Change of External Custody
XXXXXXXXXXXXXXXX	David Dibblee	1500 9/25/14	Break Seal/Sample
David Dibblee			Fed Ex to Lab.
	Joel A. Atherton	1040 10/3/14	Rec'd at lab

Individual Resealing Shipping Container: Name: David Dibblee Title: ES3
Time/Date Sample Shipping Container Resealed: 10/2/2014 1500 NJDEP Affixed Seal Number: DEP1, DEP2
Time/Date Sample Shipping Container Opened: 1040 10/3/14
Time/Date Internal Chain of Custody Initated on NJDEP Form 077 (Internal Chain of Custody): 1615 10/3/14

Distribution: White - Original (Sent With Report)
Pink - NJDEP Field Sampling Personnel
Yellow - Sample Custodian Upon Receipt of Shipping Container from Field
Gold - Sample Custodian for Sample Preparation/Shipment

DEP-095
3/04

New Jersey Department of Environmental Protection

External Chain of Custody and Sample Analysis Request Form

(With Shipping Container)

Laboratory Information

Name of Laboratory: TestAmerica Burlington
Address: 30 Community Dr Suite 11
South Burlington, VT 05403
Time/Date Sample Shipping Container Sealed: 1015 9/24/14

Individual Preparing Sample Bottles and Shipping Container(s)
Name: Joel Atherton
Title: Sample Custodian
Laboratory Affixed Seal No. 5428

NJDEP Information

Division: DRS Bureau: BEMSA Phone: ( ) Job Number: A8091390

Requested Analysis

NJDEP Field Sample Number	Sampling Time Start/Stop	Sampling Date	Parameter	Method	Preserv.	Container Volume	Container Quantity	Matrix
DUP	1149-1201	10-1-2014		524.2		40ml	3	Aqueous
				504.1		40ml	3	
				245.1		500ml	1	
				331.0		125ml	1	
Trip Blank	—	—		524.2		40ml	3	
	—	—		504.1		40ml	3	
	—	—		245.1		500ml	1	
	—	—		331.0		250ml	1	

Preservative Added: (Check One) ☒ Laboratory ☐ Field ☐ Unpreserved

Contract Number: A74214 Task Number: Report Format: Full Req.

External Chain of Custody

Relinquished	Received	Time/Date	Reason for Change of External Custody
XXXXXXXXXXXXXXXX	David Dibblee	1500 9/25/14	Break Seal/Sample
David Dibblee			Fed Ex to Lab.
	[signature]	1040 10/3/14	Rec'd at Lab

Individual Resealing Shipping Container: Name: David Dibblee Title: ES3
Time/Date Sample Shipping Container Resealed: 10/2/2014 1500 NJDEP Affixed Seal Number: DEP1, DEP2
Time/Date Sample Shipping Container Opened: 1040 10/3/14
Time/Date Internal Chain of Custody Initated on NJDEP Form 077 (Internal Chain of Custody): 1615 10/3/14

Distribution: White - Original (Sent With Report)
Pink - NJDEP Field Sampling Personnel
Yellow - Sample Custodian Upon Receipt of Shipping Container from Field
Gold - Sample Custodian for Sample Preparation/Shipment

DEP-077
3/04

New Jersey Department of Environmental Protection
Internal Chain of Custody

Page _____ of _____

Instructions: Use 1 for each 20 samples of aliquot.

1 OF 1

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample					
Laboratory:	TestAmerica		Location:	So. Burlington, VT 05403	
Name:	Joel Atherton		Title:	Sample Custodian	
Field Sample Seal No:	DEP-1, DEP-2	Date Broken:	10/3/2014	Military Time Seal Broken:	1040
Case No:	A8091390	Analytical Parameter/Fraction:		524.2_Preserved	

Sample No.	Aliquot/Extract No.
200-~~24546-1~~ 24551-1	
200-~~24546-10~~	10
200-~~24546-11~~	11
200-~~24546-12~~	12
AW 10/3/14	

Sample No.	Aliquot/Extract No.

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
10/3/14	1000	SIGNATURE Mark Phillips PRINTED NAME Mark Phillips	SIGNATURE Mark Phillips PRINTED NAME Mark Phillips	Analysis
10/3/14	1130	SIGNATURE Mark Phillips PRINTED NAME Mark Phillips	SIGNATURE Mark Phillips PRINTED NAME Mark Phillips	Storage
10/4/14	1000	SIGNATURE Mark Phillips PRINTED NAME Mark Phillips	SIGNATURE Mark Phillips PRINTED NAME Mark Phillips	Analysis
10/4/14	1100	SIGNATURE Mark Phillips PRINTED NAME Mark Phillips	SIGNATURE Mark Phillips PRINTED NAME Mark Phillips	Storage
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	

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New Jersey Department of Environmental Protection

Internal Chain of Custody

Page _______ of _______

Instructions: Use 1 for each 20 samples of aliquot.

1 OF 1

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory:	TestAmerica	Location:	So. Burlington, VT 05403
Name:	Joel Atherton	Title:	Sample Custodian
Field Sample Seal No:	DEP-1, DEP-2	Date Broken:	10/3/2014
Military Time Seal Broken:	1040		
Case No:	A8091390	Analytical Parameter/Fraction:	504.1

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
200-~~24546~~-1 D		~~200-24546-12~~ JA 10/3	
200-24546-8 A			
200-24546-10 D	, DUP, MS, TRL (D)		
200-24546-11 D			
200-24546-12 D			
24551			
CC 10/10/14			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
10/10/14	0955	SIGNATURE [signature] PRINTED NAME Rich Malaspina	SIGNATURE [signature] PRINTED NAME Rich Malaspina	extraction
10/10/14	1415	SIGNATURE [signature] PRINTED NAME Rich Malaspina	SIGNATURE [signature] PRINTED NAME Rich Malaspina	extract in storage / original vial disposed
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	

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New Jersey Department of Environmental Protection
Internal Chain of Custody

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Instructions: Use 1 for each 20 samples of aliquot.

1 OF 1

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory:	TestAmerica	Location:	So. Burlington, VT 05403
Name:	Joel Atherton	Title:	Sample Custodian
Field Sample Seal No:	DEP-1, DEP-2.	Date Broken:	10/3/2014
Military Time Seal Broken:	1040		
Case No:	A8091390	Analytical Parameter/Fraction:	331

Sample No.	Aliquot/Extract No.
200-24551-1	
200-24551-2	
200-24551-3	
200-24551-4	
200-24551-5	
200-24551-6	
200-24551-7	
200-24551-9	
200-24551-10	
200-24551-11	

Sample No.	Aliquot/Extract No.
200-24551-12	

Date	Time		Received By	Purpose of Change of Custody
10/7/14	0930	SIGNATURE: Courtney Vuono PRINTED NAME: Courtney Vuono	SIGNATURE: Courtney Vuono PRINTED NAME: Courtney Vuono	LCMS analysis
10/7/14	1500	SIGNATURE: Courtney Vuono PRINTED NAME: Courtney Vuono	SIGNATURE: Courtney Vuono PRINTED NAME: Courtney Vuono	storage
10/8/14	0830	SIGNATURE: Courtney Vuono PRINTED NAME: Courtney Vuono	SIGNATURE: Courtney Vuono PRINTED NAME: Courtney Vuono	LCMS analysis (9-12 only)
10/8/14	1200	SIGNATURE: Courtney Vuono PRINTED NAME: Courtney Vuono	SIGNATURE: Courtney Vuono PRINTED NAME: Courtney Vuono	storage
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	

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3.04

New Jersey Department of Environmental Protection
Internal Chain of Custody

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Instructions: Use 1 for each 20 samples of aliquot.

1 OF 1

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample					
Laboratory:	TestAmerica		Location:	So. Burlington, VT 05403	
Name:	Joel Atherton		Title:	Sample Custodian	
Field Sample Seal No:	DEP-1, DEP-2	Date Broken:	10/3/2014	Military Time Seal Broken:	1040
Case No:	A8091390	Analytical Parameter/Fraction:		245.1	

Sample No.	Aliquot/Extract No.
200-24546-1	
200-24546-10	
200-24546-11	
200-24546-12	
Job=24551	
EKT 10/23/14	

Sample No.	Aliquot/Extract No.

Date	Time		Received By	Purpose of Change of Custody
10/21/14	1530	SIGNATURE PRINTED NAME Liz Tober	SIGNATURE PRINTED NAME Liz Tober	PREP
10/21/14	1730	SIGNATURE PRINTED NAME Liz Tober	SIGNATURE PRINTED NAME Liz Tober	Storage
10/22/14	1050 1530	SIGNATURE PRINTED NAME Nick Rosner	SIGNATURE PRINTED NAME Nick Rosner	Aulysis
10/24/14	1300	SIGNATURE PRINTED NAME Nick Rosner	SIGNATURE PRINTED NAME Nick Rosner	Storage
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	

Shipping and Receiving Documents

ORIGIN ID:TTNA

SHIP DATE: 02OCT14
ACTWGT: 17.0 LB MAN
CAD: /POS1501
DIMS: 14x14x9 IN

BILL RECIPIENT

UNITED STATES US

TO **KIRK YOUNG**
TEST AMERICA
30 COMMUNITY DR
STE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
INV:
PO: REF:
DEPT:

FedEx Express

J14221409230126

TRK# 0215 8041 2628 9982

FRI - 03 OCT 10:30A
PRIORITY OVERNIGHT

EK BTVA

05403
VT - US **BTV**

Align Open End of FedEx Pouch Here

800.GoFedEx 1.800.463.3339

FedEx Express Package - US Airbill

FedEx Tracking Number 8041 2628 9982

1 From

Date

Sender's Name Phone

Company

Address

Dept./Floor/Suite/Room

City State ZIP

2 Your Internal Billing Reference

3 To

Recipient's Name Phone

Company

Address

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City State ZIP

HOLD Weekday
FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

4

5

6 Special Handling and Delivery Signature Options

SATURDAY Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

No Signature Required
Package may be left without obtaining a signature for delivery.

Direct Signature
Someone at recipient's address may sign for delivery. *Fee applies.*

Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

No

Yes
As per attached Shipper's Declaration.

Yes
Shipper's Declaration not required.

Dry Ice
Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

Sender
Acct. No. in Section 1 will be billed.

Recipient

Third Party

Credit Card

Cash/Check

150

208

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fedex.com 1.800.GoFedEx 1.800.463.3339

10/23/2014

Login Sample Receipt Checklist

Client: New Jersey Dept of Environmental Pro

Job Number: 200-24551-1
SDG Number: A8091390 (200-24551)

Login Number: 24551
List Number: 1
Creator: Atherton, Joel E

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	DEP-1, DEP-2
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8ºC, 3.0ºC IR GUN 181 CF= -0.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

STANDARDS TRACEABILITY CROSS-REFERENCE

Job Number	Lab Section	Reag Location Code	Reagent	Reag. Container #	Reagent Description	Reagent Date	Reagent Expiration Date
200-24551-1	GC Semi VOA	200	GC504BCPSUi_00021	711995	504.1 BCP Surr Spike 100PPB	2014-10-9 12:30 PM	2014-11-2 11:59 PM
200-24551-1	GC Semi VOA	200	GC504HiCali_00021	711998	504.1 High Cal Std 500PPB	2014-10-9 12:45 PM	2014-11-1 11:59 PM
200-24551-1	GC Semi VOA	200	GC504LoCali_00021	711999	504.1 Low Cal Std 10PPB	2014-10-9 12:50 PM	2014-11-1 11:59 PM
200-24551-1	GC Semi VOA	200	GC504QCSi_00021	711997	504.1 QCS 500PPB	2014-10-9 12:40 PM	2014-11-1 11:59 PM
200-24551-1	GC/MS VOA	200	VM524SPw_00046	712791	524 LCS Mix 20-1000ug/ml	2014-10-10 3:02 PM	2014-10-31 11:59 PM
200-24551-1	GC/MS VOA	200	VM525CALw_00049	712767	524 CAL MIX 20-1000 PPM	2014-10-10 10:30 AM	2014-11-6 11:59 PM
200-24551-1	GC/MS VOA	200	VM8260ISw_00073	712730	8260/524 ISTD 50 PPM	2014-10-10 2:26 PM	2014-11-10 11:59 PM
200-24551-1	GC/MS VOA	200	VM8260SUW_00071	712731	8260/524 SSTD 50PPM	2014-10-10 1:49 PM	2014-11-10 11:59 PM
200-24551-1	GC/MS VOA	200	VMBFBw_00015	668204	BFB TUNE 25 PPM	2014-6-13 12:49 PM	2014-12-13 11:59 PM
200-24551-1	GC/MS VOA	200	VMTBACALw_00062	712768	TBA CAL 2500PPM	2014-10-10 4:07 PM	2014-11-10 11:59 PM
200-24551-1	GC/MS VOA	200	VMTBASPw_00062	712792	TBA LCS MIX 2500 PPM	2014-10-10 1:58 PM	2014-11-10 11:59 PM
200-24551-1	LCMS	200	LCPercICVw_00010	603730	Perchlorate ICV 5PPB	2013-12-3 5:25 PM	2014-12-3 11:59 PM
200-24551-1	LCMS	200	LCPercL1w_00010	603727	Perchlorate CAL1 0.2PPB	2013-12-3 5:21 PM	2014-12-3 11:59 PM
200-24551-1	LCMS	200	LCPercL3w_00010	603725	Perchlorate CAL3 1PPB	2013-12-3 5:20 PM	2014-12-3 11:59 PM
200-24551-1	LCMS	200	LCPercL3w_00011	704638	Perchlorate CAL3 1PPB	2014-9-23 3:50 PM	2014-12-3 11:59 PM
200-24551-1	LCMS	200	LCPercL5w_00011	603723	Perchlorate CAL5 10PPB	2013-12-3 5:18 PM	2014-12-3 11:59 PM
200-24551-1	LCMS	200	LCPercL5w_00012	704632	Perchlorate CAL5 10PPB	2014-9-23 3:50 PM	2014-12-3 11:59 PM
200-24551-1	LCMS	200	LCPercSoilMSi_00011	603721	Perchlorate Soil MS 1000PPB	2013-12-3 5:15 PM	2014-12-3 11:59 PM
200-24551-1	LCMS	200	LCPercWatMSi_00012	684798	Perchlorate Water MS 100PPB	2014-8-7 9:00 AM	2014-12-3 11:59 PM
200-24551-1	LCMS	200	LCPercWISi_00016	615802	Perchlorate Water ISTD 100ug/L	2013-12-30 10:00 AM	2014-12-30 11:59 PM
200-24551-1	LCMS	200	LCPercWISi_00018	689240	Perchlorate Water ISTD 100ug/L	2014-8-18 12:30 PM	2014-12-30 11:59 PM
200-24551-1	Metals	200	mehgccvw_00844	719214	100 PPB Mercury CCV Working	2014-10-21 11:00 AM	2014-10-22 11:59 PM
200-24551-1	Metals	200	MEHGICVw_00034	687386	30 PPB Mercury ICV Working Std	2014-8-13 4:32 PM	2014-12-23 11:59 PM

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
GC504BCPSUi_00021	11/02/14	10/09/14	METHANOL, Lot 651951	40 mL	GC504BCPSTOKs_00014	20 uL	1-Bromo-3-Chloropropane (Surr)	100 ug/L
.GC504BCPSTOKs_00014	11/02/14		Absolute, Lot 093010		(Purchased Reagent)		1-Bromo-3-Chloropropane (Surr)	200 ug/mL
GC504HiCali_00021	11/01/14	10/09/14	METHANOL, Lot 651951	10 mL	GC504BCPSTOKs_00014	25 uL	1-Bromo-3-Chloropropane (Surr)	500 ug/L
					GC504CALs_00017	25 uL	1,2,3-Trichloropropane	500 ug/L
							1,2-Dibromo-3-Chloropropane	500 ug/L
							1,2-Dibromoethane	500 ug/L
.GC504BCPSTOKs_00014	11/02/14		Absolute, Lot 093010		(Purchased Reagent)		1-Bromo-3-Chloropropane (Surr)	200 ug/mL
.GC504CALs_00017	11/01/14		Restek, Lot A092699		(Purchased Reagent)		1,2,3-Trichloropropane	200 ug/mL
							1,2-Dibromo-3-Chloropropane	200 ug/mL
							1,2-Dibromoethane	200 ug/mL
GC504LoCali_00021	11/01/14	10/09/14	METHANOL, Lot 651951	20 mL	GC504HiCali_00021	400 uL	1-Bromo-3-Chloropropane (Surr)	10 ug/L
							1,2,3-Trichloropropane	10 ug/L
							1,2-Dibromo-3-Chloropropane	10 ug/L
							1,2-Dibromoethane	10 ug/L
.GC504HiCali_00021	11/01/14	10/09/14	METHANOL, Lot 651951	10 mL	GC504BCPSTOKs_00014	25 uL	1-Bromo-3-Chloropropane (Surr)	500 ug/L
					GC504CALs_00017	25 uL	1,2,3-Trichloropropane	500 ug/L
							1,2-Dibromo-3-Chloropropane	500 ug/L
							1,2-Dibromoethane	500 ug/L
..GC504BCPSTOKs_00014	11/02/14		Absolute, Lot 093010		(Purchased Reagent)		1-Bromo-3-Chloropropane (Surr)	200 ug/mL
..GC504CALs_00017	11/01/14		Restek, Lot A092699		(Purchased Reagent)		1,2,3-Trichloropropane	200 ug/mL
							1,2-Dibromo-3-Chloropropane	200 ug/mL
							1,2-Dibromoethane	200 ug/mL
GC504QCSi_00021	11/01/14	10/09/14	METHANOL, Lot 651951	10 mL	GC504BCPSTOKs_00014	25 uL	1-Bromo-3-Chloropropane (Surr)	500 ug/L
					GC504ICVs_00014	25 uL	1,2,3-Trichloropropane	500 ug/L
							1,2-Dibromo-3-Chloropropane	500 ug/L
							1,2-Dibromoethane	500 ug/L
.GC504BCPSTOKs_00014	11/02/14		Absolute, Lot 093010		(Purchased Reagent)		1-Bromo-3-Chloropropane (Surr)	200 ug/mL
.GC504ICVs_00014	11/01/14		Ultra Scientific, Lot CK-1042		(Purchased Reagent)		1,2,3-Trichloropropane	200 ug/mL
							1,2-Dibromo-3-Chloropropane	200 ug/mL
							1,2-Dibromoethane	200 ug/mL
LCPercICVw_00010	12/03/14	12/03/13	DI WATER, Lot 120313	20 mL	LCPercICVi_00010	0.1 mL	Perchlorate	5 ug/L
.LCPercICVi_00010	12/03/14	12/03/13	DI WATER, Lot 120313	10 mL	LCPercICVs_00003	0.01 mL	Perchlorate	1000 ug/L
..LCPercICVs_00003	06/30/15		Ultra Scientific, Lot M00472		(Purchased Reagent)		Perchlorate	1000 mg/L
LCPercL1w_00010	12/03/14	12/03/13	DI WATER, Lot 120313	20 mL	LCPercL5w_00011	0.4 mL	Perchlorate	0.2 ug/L
.LCPercL5w_00011	12/03/14	12/03/13	DI WATER, Lot 120313	50 mL	LCPercSoilMSi_00011	0.5 mL	Perchlorate	10 ug/L
..LCPercSoilMSi_00011	12/03/14	12/03/13	DI WATER, Lot 120313	10 mL	LCPercCals_00005	0.01 mL	Perchlorate	1000 ug/L
...LCPercCals_00005	02/28/15		AccuStandard, Lot 213025072		(Purchased Reagent)		Perchlorate	1000 mg/L
LCPercL2w_00010	12/03/14	12/03/13	DI WATER, Lot 120313	10 mL	LCPercL5w_00011	0.5 mL	Perchlorate	0.5 ug/L
.LCPercL5w_00011	12/03/14	12/03/13	DI WATER, Lot 120313	50 mL	LCPercSoilMSi_00011	0.5 mL	Perchlorate	10 ug/L
..LCPercSoilMSi_00011	12/03/14	12/03/13	DI WATER, Lot 120313	10 mL	LCPercCals_00005	0.01 mL	Perchlorate	1000 ug/L
...LCPercCals_00005	02/28/15		AccuStandard, Lot 213025072		(Purchased Reagent)		Perchlorate	1000 mg/L
LCPercL3w_00010	12/03/14	12/03/13	DI WATER, Lot 120313	250 mL	LCPercL5w_00011	25 mL	Perchlorate	1 ug/L
.LCPercL5w_00011	12/03/14	12/03/13	DI WATER, Lot 120313	50 mL	LCPercSoilMSi_00011	0.5 mL	Perchlorate	10 ug/L
..LCPercSoilMSi_00011	12/03/14	12/03/13	DI WATER, Lot 120313	10 mL	LCPercCals_00005	0.01 mL	Perchlorate	1000 ug/L
...LCPercCals_00005	02/28/15		AccuStandard, Lot 213025072		(Purchased Reagent)		Perchlorate	1000 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
LCPercL3w_00011	12/03/14	09/23/14	DI WATER, Lot 120313	100 mL	LCPercL5w_00011	10 mL	Perchlorate	1 ug/L
.LCPercL5w_00011	12/03/14	12/03/13	DI WATER, Lot 120313	50 mL	LCPercSoilMSi_00011	0.5 mL	Perchlorate	10 ug/L
..LCPercSoilMSi_00011	12/03/14	12/03/13	DI WATER, Lot 120313	10 mL	LCPercCals_00005	0.01 mL	Perchlorate	1000 ug/L
...LCPercCals_00005	02/28/15		AccuStandard, Lot 213025072		(Purchased Reagent)		Perchlorate	1000 mg/L
LCPercL4w_00010	12/03/14	12/03/13	DI WATER, Lot 120313	10 mL	LCPercL5w_00011	3 mL	Perchlorate	3 ug/L
.LCPercL5w_00011	12/03/14	12/03/13	DI WATER, Lot 120313	50 mL	LCPercSoilMSi_00011	0.5 mL	Perchlorate	10 ug/L
..LCPercSoilMSi_00011	12/03/14	12/03/13	DI WATER, Lot 120313	10 mL	LCPercCals_00005	0.01 mL	Perchlorate	1000 ug/L
...LCPercCals_00005	02/28/15		AccuStandard, Lot 213025072		(Purchased Reagent)		Perchlorate	1000 mg/L
LCPercL5w_00011	12/03/14	12/03/13	DI WATER, Lot 120313	50 mL	LCPercSoilMSi_00011	0.5 mL	Perchlorate	10 ug/L
.LCPercSoilMSi_00011	12/03/14	12/03/13	DI WATER, Lot 120313	10 mL	LCPercCals_00005	0.01 mL	Perchlorate	1000 ug/L
..LCPercCals_00005	02/28/15		AccuStandard, Lot 213025072		(Purchased Reagent)		Perchlorate	1000 mg/L
LCPercL5w_00012	12/03/14	09/23/14	DI WATER, Lot 120313	20 mL	LCPercSoilMSi_00011	0.2 mL	Perchlorate	10 ug/L
.LCPercSoilMSi_00011	12/03/14	12/03/13	DI WATER, Lot 120313	10 mL	LCPercCals_00005	0.01 mL	Perchlorate	1000 ug/L
..LCPercCals_00005	02/28/15		AccuStandard, Lot 213025072		(Purchased Reagent)		Perchlorate	1000 mg/L
LCPercSoilMSi_00011	12/03/14	12/03/13	DI WATER, Lot 120313	10 mL	LCPercCals_00005	0.01 mL	Perchlorate	1000 ug/L
.LCPercCals_00005	02/28/15		AccuStandard, Lot 213025072		(Purchased Reagent)		Perchlorate	1000 mg/L
LCPercWatMSi_00012	12/03/14	08/07/14	DI WATER, Lot 080714	5 mL	LCPercSoilMSi_00011	0.5 mL	Perchlorate	100 ug/L
.LCPercSoilMSi_00011	12/03/14	12/03/13	DI WATER, Lot 120313	10 mL	LCPercCals_00005	0.01 mL	Perchlorate	1000 ug/L
..LCPercCals_00005	02/28/15		AccuStandard, Lot 213025072		(Purchased Reagent)		Perchlorate	1000 mg/L
LCPercWISi_00016	12/30/14	12/30/13	DI WATER, Lot 123013	20 mL	LCPercISs_00007	2000 uL	18-O Perchlorate	100 ug/L
.LCPercISs_00007	12/30/14		Dionex, Lot 130731		(Purchased Reagent)		18-O Perchlorate	1000 ug/L
mehgccvw_00844	10/22/14	10/21/14	DI WATER, Lot 00063	100 mL	ME1:1HNO3_00072	0.3 mL	Nitric acid	1515000 ppb
					MEHGCCVi_00126	1 mL	Nitric acid	1515000 ppb
							Mercury	100 ppb
.ME1:1HNO3_00072	12/10/14	05/01/14	DI WATER, Lot na	10 L	MEHNO3s_00135	5 L	Nitric acid	50 %
..MEHNO3s_00135	12/10/14		Macron, Lot 0000067457		(Purchased Reagent)		Nitric acid	1 mL/mL
.MEHGCCVi_00126	10/22/14	10/21/14	HNO3, Lot na	50 mL	ME1:1HNO3_00072	0.15 mL	Nitric acid	1500000 ppb
					MESPEXHgs_00009	0.5 mL	Mercury	10000 ppb
..ME1:1HNO3_00072	12/10/14	05/01/14	DI WATER, Lot na	10 L	MEHNO3s_00135	5 L	Nitric acid	50 %
...MEHNO3s_00135	12/10/14		Macron, Lot 0000067457		(Purchased Reagent)		Nitric acid	1 mL/mL
..MESPEXHgs_00009	01/30/15		SPEX Certiprep, Lot 19-23HGY		(Purchased Reagent)		Mercury	1000 mg/L
MEHGICVw_00034	12/23/14	08/13/14	HNO3, Lot 252650	500 mL	MEHGICVi_00014	1.5 mL	Nitric acid	1504500 ppb
							Mercury	30 ppb
					MEHNO3s_00126	0.75 mL	Nitric acid	1504500 ppb
.MEHGICVi_00014	12/23/14	05/20/14	DI WATER, Lot na	100 mL	MEHNO3s_00126	0.15 mL	Nitric acid	1500000 ppb
					MEIVHGs_00012	1 mL	Mercury	10000 ppb
..MEHNO3s_00126	12/23/14		Macron, Lot 0000031507		(Purchased Reagent)		Nitric acid	1 mL/mL
..MEIVHGs_00012	02/01/15		Inorg. Vent. F2-HG02096, Lot F2-HG02105		(Purchased Reagent)		Mercury	1000 ug/mL
.MEHNO3s_00126	12/23/14		Macron, Lot 0000031507		(Purchased Reagent)		Nitric acid	1 mL/mL
VM524SPw_00046	10/31/14	10/10/14	METHANOL, Lot 134079	4000 uL	VM524SPbs_00022	200 uL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							Tetrahydrofuran	100 ug/mL
					VM524SPcs_00016	40 uL	Acrylonitrile	20 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Allyl chloride	20 ug/mL
							Ethyl methacrylate	20 ug/mL
							Methyl acrylate	20 ug/mL
							Methyl methacrylate	20 ug/mL
							Nitrobenzene	1026.4 ug/mL
							Pentachloroethane	20 ug/mL
					VM524SPds_00076	272 uL	1,1-Dichloro-2-propanone	421.2 ug/mL
							2-Nitropropane	421.2 ug/mL
							Chloroacetonitrile	1026.4 ug/mL
							Nitrobenzene	1026.4 ug/mL
							Propionitrile	1026.4 ug/mL
					VM524SPes_00017	80 uL	1,3,5-Trichlorobenzene	20 ug/mL
					VM524SPhs_00028	40 uL	1,1-Dichloro-2-propanone	421.2 ug/mL
							1-Chlorobutane	20 ug/mL
							2-Nitropropane	421.2 ug/mL
							Carbon disulfide	20 ug/mL
							Chloroacetonitrile	1026.4 ug/mL
							Diethyl ether	20 ug/mL
							Hexachloroethane	20 ug/mL
							Methacrylonitrile	20 ug/mL
							Methyl iodide	20 ug/mL
							Methyl t-butyl ether	20 ug/mL
							Propionitrile	1026.4 ug/mL
							trans-1,4-Dichloro-2-butene	20 ug/mL
					VM8260SPfs_00036	40 uL	1,1,1,2-Tetrachloroethane	20 ug/mL
							1,1,1-Trichloroethane	20 ug/mL
							1,1,2,2-Tetrachloroethane	20 ug/mL
							1,1,2-Trichloroethane	20 ug/mL
							1,1-Dichloroethane	20 ug/mL
							1,1-Dichloroethene	20 ug/mL
							1,1-Dichloropropene	20 ug/mL
							1,2,3-Trichlorobenzene	20 ug/mL
							1,2,3-Trichloropropane	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2,4-Trimethylbenzene	20 ug/mL
							1,2-Dibromo-3-Chloropropane	20 ug/mL
							1,2-Dibromoethane	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Dichloroethane	20 ug/mL
							1,2-Dichloropropane	20 ug/mL
							1,3,5-Trimethylbenzene	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dichloropropane	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							2,2-Dichloropropane	20 ug/mL
							2-Chlorotoluene	20 ug/mL
							4-Chlorotoluene	20 ug/mL
							Benzene	20 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromobenzene	20 ug/mL
							Bromochloromethane	20 ug/mL
							Bromodichloromethane	20 ug/mL
							Bromoform	20 ug/mL
							Carbon tetrachloride	20 ug/mL
							Chlorobenzene	20 ug/mL
							Chloroform	20 ug/mL
							cis-1,2-Dichloroethene	20 ug/mL
							cis-1,3-Dichloropropene	20 ug/mL
							Dibromochloromethane	20 ug/mL
							Dibromomethane	20 ug/mL
							Ethylbenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Isopropylbenzene	20 ug/mL
							m&p-Xylene	40 ug/mL
							Methylene Chloride	20 ug/mL
							n-Butylbenzene	20 ug/mL
							n-Propylbenzene	20 ug/mL
							Naphthalene	20 ug/mL
							o-Xylene	20 ug/mL
							p-Isopropyltoluene	20 ug/mL
							sec-Butylbenzene	20 ug/mL
							Styrene	20 ug/mL
							tert-Butylbenzene	20 ug/mL
							Tetrachloroethene	20 ug/mL
							Toluene	20 ug/mL
							trans-1,2-Dichloroethene	20 ug/mL
							trans-1,3-Dichloropropene	20 ug/mL
							Trichloroethene	20 ug/mL
							Xylenes, Total	60 ug/mL
					VM860/54SPas_00095	40 uL	Bromomethane	20 ug/mL
							Chloroethane	20 ug/mL
							Chloromethane	20 ug/mL
							Dichlorodifluoromethane	20 ug/mL
							Trichlorofluoromethane	20 ug/mL
							Vinyl chloride	20 ug/mL
.VM524SPbs_00022	08/25/15	Ultra Scientific, Lot CK-2808			(Purchased Reagent)		2-Butanone	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Tetrahydrofuran	2000 ug/mL
.VM524SPcs_00016	11/04/15	Ultra Scientific, Lot CK-2803			(Purchased Reagent)		Acrylonitrile	2000 ug/mL
							Allyl chloride	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Methyl acrylate	2000 ug/mL
							Methyl methacrylate	2000 ug/mL
							Nitrobenzene	2000 ug/mL
							Pentachloroethane	2000 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VM524SPds_00076	10/31/14	Ultra Scientific, Lot CL-2197			(Purchased Reagent)		1,1-Dichloro-2-propanone	5900 ug/mL
							2-Nitropropane	5900 ug/mL
							Chloroacetonitrile	14800 ug/mL
							Nitrobenzene	14800 ug/mL
							Propionitrile	14800 ug/mL
.VM524SPes_00017	10/31/14	Ultra Scientific, Lot CJ-3540			(Purchased Reagent)		1,3,5-Trichlorobenzene	1000 ug/mL
.VM524SPhs_00028	05/20/15	Accustandard, Lot 213051159-01			(Purchased Reagent)		1,1-Dichloro-2-propanone	2000 ug/mL
							1-Chlorobutane	2000 ug/mL
							2-Nitropropane	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Chloroacetonitrile	2000 ug/mL
							Diethyl ether	2000 ug/mL
							Hexachloroethane	2000 ug/mL
							Methacrylonitrile	2000 ug/mL
							Methyl iodide	2000 ug/mL
							Methyl t-butyl ether	2000 ug/mL
							Propionitrile	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
.VM8260SPfs_00036	08/25/15	Ultra, Lot CL-2640			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m&p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							n-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	6000 ug/mL
.VM860/54SPas_00095	11/10/14		AccuStandard, Lot 214011343		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VM525CALw_00049	11/06/14	10/10/14	METHANOL, Lot 134079	4000 uL	VM524CALas_00022	80 uL	1,3,5-Trichlorobenzene	20 ug/mL
					VM524CALbs_00017	40 uL	1,1-Dichloro-2-propanone	419.84 ug/mL
							1-Chlorobutane	20 ug/mL
							2-Nitropropane	419.84 ug/mL
							Carbon disulfide	20 ug/mL
							Chloroacetonitrile	1019.6 ug/mL
							Diethyl ether	20 ug/mL
							Hexachloroethane	20 ug/mL
							Methacrylonitrile	20 ug/mL
							Methyl iodide	20 ug/mL
							Methyl t-butyl ether	20 ug/mL
							Propionitrile	1019.6 ug/mL
							trans-1,4-Dichloro-2-butene	20 ug/mL
					VM524CALcs_00035	272 uL	1,1-Dichloro-2-propanone	419.84 ug/mL
							2-Nitropropane	419.84 ug/mL
							Chloroacetonitrile	1019.6 ug/mL
							Nitrobenzene	1019.6 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propionitrile	1019.6 ug/mL
					VM524CALds_00018	40 uL	Acrylonitrile	20 ug/mL
							Allyl chloride	20 ug/mL
							Ethyl methacrylate	20 ug/mL
							Methyl acrylate	20 ug/mL
							Methyl methacrylate	20 ug/mL
							Nitrobenzene	1019.6 ug/mL
							Pentachloroethane	20 ug/mL
					VM8260CALbs_00157	40 uL	Bromomethane	20 ug/mL
							Chloroethane	20 ug/mL
							Chloromethane	20 ug/mL
							Dichlorodifluoromethane	20 ug/mL
							Trichlorofluoromethane	20 ug/mL
							Vinyl chloride	20 ug/mL
					VM8260CALds_00036	40 uL	1,1,1,2-Tetrachloroethane	20 ug/mL
							1,1,1-Trichloroethane	20 ug/mL
							1,1,2,2-Tetrachloroethane	20 ug/mL
							1,1,2-Trichloroethane	20 ug/mL
							1,1-Dichloroethane	20 ug/mL
							1,1-Dichloroethene	20 ug/mL
							1,1-Dichloropropene	20 ug/mL
							1,2,3-Trichlorobenzene	20 ug/mL
							1,2,3-Trichloropropane	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2,4-Trimethylbenzene	20 ug/mL
							1,2-Dibromo-3-Chloropropane	20 ug/mL
							1,2-Dibromoethane	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Dichloroethane	20 ug/mL
							1,2-Dichloropropane	20 ug/mL
							1,3,5-Trimethylbenzene	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dichloropropane	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							2,2-Dichloropropane	20 ug/mL
							2-Chlorotoluene	20 ug/mL
							4-Chlorotoluene	20 ug/mL
							Benzene	20 ug/mL
							Bromobenzene	20 ug/mL
							Bromochloromethane	20 ug/mL
							Bromodichloromethane	20 ug/mL
							Bromoform	20 ug/mL
							Carbon tetrachloride	20 ug/mL
							Chlorobenzene	20 ug/mL
							Chloroform	20 ug/mL
							cis-1,2-Dichloroethene	20 ug/mL
							cis-1,3-Dichloropropene	20 ug/mL
							Dibromochloromethane	20 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromomethane	20 ug/mL
							Ethylbenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Isopropylbenzene	20 ug/mL
							m&p-Xylene	40 ug/mL
							Methylene Chloride	20 ug/mL
							n-Butylbenzene	20 ug/mL
							n-Propylbenzene	20 ug/mL
							Naphthalene	20 ug/mL
							o-Xylene	20 ug/mL
							p-Isopropyltoluene	20 ug/mL
							sec-Butylbenzene	20 ug/mL
							Styrene	20 ug/mL
							tert-Butylbenzene	20 ug/mL
							Tetrachloroethene	20 ug/mL
							Toluene	20 ug/mL
							trans-1,2-Dichloroethene	20 ug/mL
							trans-1,3-Dichloropropene	20 ug/mL
							Trichloroethene	20 ug/mL
					VM8260CALhs_00053	200 uL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							Tetrahydrofuran	100 ug/mL
.VM524CALas_00022	02/03/15		RESTEK, Lot A096155		(Purchased Reagent)		1,3,5-Trichlorobenzene	1000 ug/mL
.VM524CALbs_00017	04/30/15		RESTEK, Lot A083321		(Purchased Reagent)		1,1-Dichloro-2-propanone	2000 ug/mL
							1-Chlorobutane	2000 ug/mL
							2-Nitropropane	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Chloroacetonitrile	2000 ug/mL
							Diethyl ether	2000 ug/mL
							Hexachloroethane	2000 ug/mL
							Methacrylonitrile	2000 ug/mL
							Methyl iodide	2000 ug/mL
							Methyl t-butyl ether	2000 ug/mL
							Propionitrile	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
.VM524CALcs_00035	05/28/15		RESTEK, Lot A0101784		(Purchased Reagent)		1,1-Dichloro-2-propanone	5880 ug/mL
							2-Nitropropane	5880 ug/mL
							Chloroacetonitrile	14700 ug/mL
							Nitrobenzene	14700 ug/mL
							Propionitrile	14700 ug/mL
.VM524CALds_00018	05/28/16		RESTEK, Lot A097389		(Purchased Reagent)		Acrylonitrile	2000 ug/mL
							Allyl chloride	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Methyl acrylate	2000 ug/mL
							Methyl methacrylate	2000 ug/mL
							Nitrobenzene	2000 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachloroethane	2000 ug/mL
.VM8260CALbs_00157	11/06/14		RESTEK, Lot A0103364		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.VM8260CALds_00036	07/31/15		RESTEK, Lot A096747		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m&p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.VM8260CALhs_00053	05/28/15		RESTEK, Lot A091894		(Purchased Reagent)		2-Butanone	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Tetrahydrofuran	2000 ug/mL
VM525CALw_00049	11/06/14	10/10/14	METHANOL, Lot 134079	4000 uL	VM8260CALds_00036	40 uL	Xylenes, Total	60 ug/mL
.VM8260CALds_00036	07/31/15		RESTEK, Lot A096747		(Purchased Reagent)		Xylenes, Total	6000 ug/mL
VM8260ISw_00073	11/10/14	10/10/14	METHANOL, Lot 134079	4 mL	VM8260/524ISs_00063	80 uL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
.VM8260/524ISs_00063	09/02/15		Restek, Lot A0103459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
VMTBACALw_00062	11/10/14	10/10/14	METHANOL, Lot 134079	2000 uL	VMCALTBAs_00014	100 uL	t-Butyl alcohol	2500 ug/mL
.VMCALTBAs_00014	03/26/15		Restek, Lot A094296		(Purchased Reagent)		t-Butyl alcohol	50000 ug/mL
VMTBASPw_00062	11/10/14	10/10/14	METHANOL, Lot 134079	2000 uL	VMTBASPas_00021	100 uL	t-Butyl alcohol	2500 ug/mL
.VMTBASPas_00021	03/26/15		NSI, Lot 03-01		(Purchased Reagent)		t-Butyl alcohol	50000 ug/mL

METHODOLOGY SUMMARY

Laboratory:	TestAmerica Laboratories	Project No:	A8091390
Location:	South Burlington, Vermont	SDG No:	A8091390 (200-24551)

VOA

Synthetic Organics, USEPA Method 504.1

Volatile Organics, USEPA Method 524.2, Version 4.1

Metals

Mercury, USEPA Method 245.1, Revision 3.0

Other

Perchlorate Ion, USEPA Method 331.0, Revision 1.0

ANALYTICAL DATA PACKAGE NONCOMPLIANCE SUMMARY FOR THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION TRENTON NEW JERSEY 08625

Agency/Division: SRP	**Bureau/Office:** BEMSA
Project No: A8091390 (200-24551)	**Contract No:** A74214
Laboratory Name: TestAmerica Laboratories	**Laboratory Location:** South Burlington, Vermont
SDG or Batch No: A8091390 (200-24551)	**NJDEP Certification #:** VT972
Date of First Sample Receipt: 10/03/2014	**Date of Last Sample Receipt:** 10/03/2014

The condition of the samples and the issues identified at the time of sample log-in are detailed in the Shipping Documentation section of this submittal. The sample volumes were logged into the laboratory for analysis and maintained in refrigerated storage at 4 degrees centigrade.

Method 524.2 (Revision 4.1)

Each sample was analyzed without a dilution. An additional dilution analysis was performed on sample MW-52 in order to provide for quantification within the range of calibrated instrument response. Both sets of results for the analysis of sample MW-52 are included in this submittal.

All calibration standards and quality controls were prepared and analyzed in a manner that was consistent with the preparation and analysis of the field samples. Instrument calibration was established with five calibration points, and over the specified range for each target analyte, providing for the low calibration point at a concentration level coincident with the reporting limit. With the exception of those for methyl iodide and nitrobenzene, the responses for each target analyte met the 20.0 percent relative standard deviation criterion in the initial calibration. The relative standard deviation of the responses for methyl iodide was 34.4 percent, and that for nitrobenzene was 34.0 percent. Methyl iodide and nitrobenzene are neither New Jersey Regulated nor New Jersey Unregulated compounds. Neither compound at issue was identified in the analysis of the field samples in this sample set. A quality control sample/initial calibration verification (QCS/ICV) acquisition was performed using an independent standard at a concentration of two times the concentration in the lowest initial calibration standard. With the exception of those for dichlorodifluoromethane, chloromethane, vinyl chloride, bromomethane, and methylene chloride, the derived recovery of each target analyte met the +/- 30 percent criterion in that analysis. The recovery of dichlorodifluoromethane in the QCS/ICV acquisition was 154 percent, that of chloromethane was 145 percent, that of vinyl chloride was 137 percent, that of bromomethane was 159 percent, and that of methylene chloride was 143 percent. Vinyl chloride and methylene chloride are New Jersey Regulated compounds, and dichlorodifluoromethane, chloromethane, and bromomethane are New Jersey Unregulated compounds. No one of the compounds at issue was identified in the analysis of the field samples in this sample set. A continuing calibration check acquisition was performed at the frequency prescribed by the method. With the exception of that for bromoform in the calibration check identified as CCVIS 200-78664/2, the response for each target analyte met the +/- 30 percent difference criterion in each calibration check acquisition. In the reference acquisition the response for bromomethane was high relative to the average response in the initial calibration, representing a 30.3 percent difference.

The analytical work was performed using a purge volume of 5.0 milliliters. There was an acceptable performance of the internal standards and surrogate controls in each of the analyses associated with the sample set. A laboratory fortified blank (LFB) analysis was performed in each analytical sequence at a concentration of two times the concentration in the lowest initial calibration standard. With the exception of those for

dichlorodifluoromethane, chloromethane, vinyl chloride, bromomethane, acetone, and methylene chloride, the recovery of each target analyte met the +/- 30 percent criterion in each analysis. In the LFB analysis identified as LCS 200-78664/4, the recovery of dichlorodifluoromethane was 151 percent, that of chloromethane was 153 percent, that of vinyl chloride was 131 percent, that of bromomethane was 137 percent, and that of methylene chloride was 141 percent. In the LFB analysis identified as LCS 200-78697/4, the recovery of dichlorodifluoromethane was 148 percent, that of chloromethane was 135 percent, that of vinyl chloride was 131 percent, that of bromomethane was 135 percent, that of acetone was 141 percent, and that of methylene chloride was 138 percent. Vinyl chloride and methylene chloride are New Jersey Regulated compounds; dichlorodifluoromethane, chloromethane, and bromomethane are New Jersey Unregulated compounds; and acetone is neither a New Jersey Regulated or New Jersey Unregulated compound. No one of the compounds at issue was identified in the analysis of the field samples in this sample set. A laboratory fortified sample matrix/matrix spike (LFSM) analysis was performed on sample PW-52. That analysis was performed at a dilution, consistent with the analysis of the parent sample. The LFSM analysis reflected an overall high bias in the derived recovery values with the recovery value for several of the compounds exceeding the +/- 30 percent criterion. Laboratory duplicate analyses (LD1 and LD2) were performed on sample PW-52 as part of the analytical work, and there was good correspondence in the results of those analyses.

The analysis of each laboratory reagent blank/method blank (LRB) associated with the analytical work was free of analyte contamination, as was the analysis of the field reagent blank/trip blank (FRB) associated with the sample set.

The analytical results from the Method 524.2 analysis have been reported at the established reporting limit with the use of a "U" qualifier in those instances in which the target analyte was not detected at a concentration that was equivalent to, or higher than method reporting limit.

Manual integration was employed in deriving certain of the analytical results. The values that have been derived from manual integration are qualified on the quantitation reports, and chromatographic profiles are included in the data package. A listing of the manual integrations that were performed, referencing the specific acquisition file names in which manual integration was applied, and the reason for the manual integration, immediately follows this non-compliance summary.

The following details the column type and trap design that were used in the performance of the analytical work for the samples in this sample set:

Chromatographic Column - J&W DB-624
Length - 75 meters
Inner Diameter - 0.53 millimeters
Film Thickness - 3.0 micrometers

Trap Design - Supelco (K Type) VOCARB 3000
Length - 29.5 centimeters

A summary of the validated method detection limit study that was performed by the laboratory for Method 524.2 (Revision 4.1) immediately follows this Noncompliance summary.

Method 504.1 (Revision 1.1)

ANALYTICAL DATA PACKAGE NONCOMPLIANCE SUMMARY FOR THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION TRENTON NEW JERSEY 08625

All calibration standards and quality controls were prepared, extracted, and analyzed in a manner that was consistent with the preparation, extraction, and analysis of the field samples. Instrument calibration was established with six calibration points for 1,2-dibromomethane and 1,2-dibromo-3-chloropropane, having concentrations that ranged between 0.010 ug/L and 0.25 ug/L, and instrument calibration was established with five calibration points for 1,2,3-trichloropropane, having concentrations that ranged between 0.020 ug/L and 0.25 ug/L. The responses for each target analyte met the 20.0 percent relative standard deviation criterion in the initial calibration. A quality control sample/initial calibration verification (QCS/ICV) acquisition was performed in the analytical sequence in which the samples were analyzed, using an independent standard at a concentration of 0.10 ug/L. The derived recovery of each target analyte met the +/- 20 percent criterion in that analysis, on each column that was used in the performance of the analytical work. A resolution check acquisition was performed after the initial calibration to document the resolution of 1,2-dibromoethane from dibromochloromethane at a relative concentration of 1:50. Instrument performance check/calibration check acquisitions were performed at the frequency prescribed by the method. The performance of each target analyte met the +/- 30 percent criterion in each of those acquisitions.

The analytical work was performed using an injection volume of 3.0 microliters, and the extract of each sample in the sample set was analyzed without a dilution. Peak area was used as the basis for quantification. 1-Bromo-3-chloropropane was used as a surrogate control in performing the analyses, and control limits of 60 percent and 140 percent were used to assess recovery performance. There was an acceptable recovery of the surrogate control in each of the analyses associated with the sample set. A reporting limit check sample (RLCS) acquisition was performed at a concentration of 0.020 ug/L in initiating the analytical sequence in which the samples were analyzed. The derived recovery of each target analyte in that analysis met the +/- 40 percent criterion. A laboratory fortified blank (LFB) analysis was performed at a concentration of 0.25 ug/L, and the recovery of each target analyte met the +/- 30 percent criterion in that analysis. A laboratory fortified sample matrix/matrix spike (LFM) analysis was performed on sample PW-52. That analysis was performed without a dilution, consistent with the analysis of the parent sample. There was an acceptable recovery of each target analyte in the LFM analysis. Laboratory duplicate analyses (LD1 and LD2) were performed on sample PW-52 as part of the analytical work, and there was good correspondence in the results of those analyses.

The analysis of the laboratory reagent blank/method blank (LRB) associated with the analytical work was free of analyte contamination, as was the analysis of the field reagent blank/trip blank (FRB) associated with the sample set.

The analytical results from the Method 504.1 analysis have been reported at the established reporting limit with the use of a "U" qualifier in those instances in which the target analyte was not detected at a concentration that was equivalent to, or higher than method reporting limit.

Manual integration was employed in deriving certain of the analytical results. The values that have been derived from manual integration are qualified on the quantitation reports, and chromatographic profiles are included in the data package. A listing of the manual integrations that were performed, referencing the specific acquisition file names in which manual integration was applied, and the reason for the manual integration, immediately follows this non-compliance summary.

The following details the column types that were used in the performance of the analytical work for the samples in this sample set:

Chromatography Column - Restek RTX-CLP
Length - 30 meters
Inner Diameter - 0.32 millimeters
Film thickness - 0.32 micrometers

Chromatography Column - Restek RTX-CLPII
Length - 30 meters
Inner Diameter - 0.32 millimeters
Film thickness - 0.25 micrometers

A summary of the validated method detection limit study that was performed by the laboratory for Method 504.1 (Revision 1.1) immediately follows this Noncompliance summary.

Method 331.0 (Revision 1.0)

The analysis, as it was performed, is an internal standard form of analysis using LC/MS/MS. The laboratory used 35Cl-18O4 as the internal standard in the performance of the work. The ion characteristic of 35Cl-18O3 (m/z 88.7) served as the basis for establishing internal standard response. Two ions were used in assessing the response for perchlorate. Those were characteristic of 35Cl-O3 (m/z 82.7) and 37Cl-O3 (m/z 84.7). Peak area was used as the basis for quantification.

Certain samples in the sample set were analyzed at a dilution in order to provide for quantification within the range of calibrated instrument response.

Instrument calibration was established with five calibration points having concentrations that ranged between 0.20 ug/L and 10.0 ug/L and using a linear regression model. A quality control sample/initial calibration verification (QCS/ICV) acquisition was performed using an independent standard at a concentration of 5.0 ug/L. The derived recovery of the target analyte met the +/- 20 percent criterion in that analysis. Calibration check acquisitions were performed at the frequency prescribed by the method, varying the analyte concentration. There was an acceptable performance of the target analyte in each of those acquisitions.

A laboratory fortified synthetic sample matrix (LFSSM) analysis was performed as part of the analytical work at a concentration of 1.0 ug/L, and the recovery of the target analyte in that analysis met the +/- 20 percent criterion. A reporting limit check acquisition was performed at a concentration of 0.20 ug/L in initiating each analytical sequence in which the samples were analyzed. The derived concentration of the target analyte in each analysis met the +/- 50 percent criterion. Laboratory fortified blank (LFB) analyses were performed as part of the analytical work at a concentrations of 0.2 ug/L and 5.0 ug/L, and the recovery of the target analyte in each LFB analysis met the +/- 20 percent criterion. Each of the analyses associated with the sample set exhibited an acceptable internal standard performance. Laboratory fortified sample matrix/matrix spike (LFSM1) and laboratory fortified sample matrix duplicate/matrix spike duplicate (LFSM2) analyses were performed on sample PW-52. Those analyses were performed at a 2-fold dilution, consistent with the analysis of the parent sample. There was an acceptable recovery of the perchlorate spike in both the matrix spike and the matrix spike duplicate analysis, and there was an acceptable correlation of the results in the interanalysis comparison.

ANALYTICAL DATA PACKAGE NONCOMPLIANCE SUMMARY FOR THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION TRENTON NEW JERSEY 08625

The analysis of each laboratory reagent blank/method blank (LRB) associated with the analytical work was free of analyte contamination, as was the analysis of the field reagent blank/trip blank (FRB) associated with the sample set.

The analytical results from the Method 331.0 analysis have been reported at the established reporting limit with the use of a "U" qualifier in those instances in which the target analyte was not detected at a concentration that was equivalent to, or higher than the method reporting limit.

Manual integration was employed in deriving certain of the analytical results. The values that have been derived from manual integration are qualified on the quantitation reports, and chromatographic profiles are included in the data package. A listing of the manual integrations that were performed, referencing the specific acquisition file names in which manual integration was applied, immediately follows this non-compliance summary.

The following details the instrument and column types that were used in the performance of the analytical work for the samples in this sample set:

Instrument - Waters 616 HPLC / Micromass Quattro Micro API Mass Spectrometer
Ionization Mode - Electrospray (negative)
Chromatography Column - IC Pak AnionHR (6 micrometer particle size)
Length - 75 millimeters
Diameter - 4.6 millimeter
Acquisition Volume - 100 microliters

A summary of the validated method detection limit study derived by the laboratory for Method 331.0 (Revision 1.0) immediately follows this non-compliance summary.

Method 245.1 (Revision 3.0)

In addition to a blank standard, the initial calibration was performed at five concentration levels (0.2 ug/L, 0.5 ug/L, 1.0 ug/L, 5.0 ug/L, and 10 ug/L). The quality control sample/initial calibration verification (QCS/ICV) acquisition was performed using an independent standard at a concentration of 3.0 ug/L. The derived recovery in that acquisition was 98 percent, and met the +/- 10 percent criterion. The instrument performance check/calibration check acquisitions were performed at a concentration of 5.0 ug/L. The recovery of mercury in the acquisition immediately following the initial calibration was 94 percent, which was narrowly outside of the +/- 5 percent criterion. The recovery of mercury in the subsequent instrument performance check/calibration check acquisition was 94 percent, and met the +/- 10 percent criterion. Each instrument performance check/calibration blank acquisition was free of analyte contamination.

A reporting limit check sample (RLCS) acquisition was performed at a concentration of 0.20 ug/L in initiating the analytical sequence specific to the analysis of the field sample and the associated quality controls. The derived recovery in that analysis was 98 percent, and met the +/- 10 percent criterion. A laboratory fortified blank (LFB) analysis was performed at a concentration of 1.0 ug/L as part of the analytical work. The recovery of the spiked mercury in that analysis was 115 percent, and met the +/- 15 percent criterion. Laboratory fortified sample matrix/matrix spike (LFSM1) and laboratory fortified sample matrix duplicate/matrix spike duplicate (LFSM2) analyses were performed on sample PW-52. The recovery of the spiked mercury in the matrix spike

ANALYTICAL DATA PACKAGE NONCOMPLIANCE SUMMARY FOR THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION TRENTON NEW JERSEY 08625

analysis was 91 percent, and that in the matrix spike duplicate analysis was 92 percent. Laboratory duplicate analyses (LD1 and LD2) were performed on sample PW-52, and there was generally good correspondence in the results of those analyses; although mercury was identified at concentrations approximating the reporting limit in two of the analyses, but below that concentration level in the third analysis.

The laboratory reagent blank/method blank (LRB) and field reagent blank/trip blank (FRB) that were analyzed in association with the samples were free of analyte contamination.

The analytical results from the Method 245.1 analysis have been reported at the established reporting limit with the use of a "U" qualifier in those instances in which the target analyte was not detected at a concentration that was equivalent to, or higher than, the established reporting limit of 0.2 ug/L

A summary of the validated method detection limit study that was performed by the laboratory for Method 245.1 (Revision 3.0) immediately follows this non-compliance summary.

I certify that this data package is in compliance with the terms and conditions of this 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 on CD/diskette and by electronic e-mail has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

10/23/2014

Kirstin Daigle
Laboratory Director, TestAmerica Burlington

Date

NJDEP FORM A1C (02/26/04)

DATA REPORTING QUALIFIERS

Client: New Jersey Dept of Environmental Pro

Job Number: 200-24551-1
Sdg Number: A8091390 (200-24551)

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Indicates an Estimated Value for TICs
	U	Indicates the analyte was analyzed for but not detected.
	^	Instrument related QC exceeds the control limits
	F1	MS and/or MSD Recovery exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	*	Recovery or RPD exceeds control limits
	E	Result exceeded calibration range.
	D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
	N	This flag indicates the presumptive evidence of a compound.
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
LCMS		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals		
	U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: L.i Analysis Batch Number: 78697

Lab Sample ID: LCS 200-78697/4 Client Sample ID:

Date Analyzed: 10/14/14 09:28 Lab File ID: 1krb04.d GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	6.22	Baseline event	mtp	10/14/14 10:20

Mark Phillips 10/22/14

10/22/14

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: CH0911.i Analysis Batch Number: 78477

Lab Sample ID: IC 200-78475/1-A Client Sample ID:

Date Analyzed: 10/09/14 18:20 Lab File ID: 9932_06.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane	4.30	Baseline Event	malaspina r	10/10/14 09:05
1-Bromo-3-Chloropropane (Surr)	6.71	Baseline Event	malaspina r	10/10/14 09:05

Lab Sample ID: IC 200-78475/1-A Client Sample ID:

Date Analyzed: 10/09/14 18:20 Lab File ID: 9932_06.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane	4.11	Baseline Event	malaspina r	10/10/14 09:05
1-Bromo-3-Chloropropane (Surr)	6.31	Baseline Event	malaspina r	10/10/14 09:05
1,2,3-Trichloropropane	7.87	Baseline Event	malaspina r	10/10/14 09:05
1,2-Dibromo-3-Chloropropane	11.42	Baseline Event	malaspina r	10/10/14 09:05

Lab Sample ID: IC 200-78475/2-A Client Sample ID:

Date Analyzed: 10/09/14 18:50 Lab File ID: 9932_07.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane	4.30	Baseline Event	malaspina r	10/10/14 09:07
1-Bromo-3-Chloropropane (Surr)	6.71	Baseline Event	malaspina r	10/10/14 09:07
1,2,3-Trichloropropane	8.14	Baseline Event	malaspina r	10/10/14 09:07

Rob Malaspina 10/14/14

Jen Magee 10/14/14

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: CH0911.i Analysis Batch Number: 78477

Lab Sample ID: IC 200-78475/2-A Client Sample ID:

Date Analyzed: 10/09/14 18:50 Lab File ID: 9932_07.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane	4.11	Baseline Event	malaspina r	10/10/14 09:07
1-Bromo-3-Chloropropane (Surr)	6.31	Baseline Event	malaspina r	10/10/14 09:07
1,2,3-Trichloropropane	7.87	Baseline Event	malaspina r	10/10/14 09:07
1,2-Dibromo-3-Chloropropane	11.42	Baseline Event	malaspina r	10/10/14 09:07

Lab Sample ID: IC 200-78475/3-A Client Sample ID:

Date Analyzed: 10/09/14 19:20 Lab File ID: 9932_08.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	8.14	Baseline Event	malaspina r	10/10/14 09:08

Lab Sample ID: IC 200-78475/3-A Client Sample ID:

Date Analyzed: 10/09/14 19:20 Lab File ID: 9932_08.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.31	Baseline Event	malaspina r	10/10/14 09:08
1,2-Dibromo-3-Chloropropane	11.42	Baseline Event	malaspina r	10/10/14 09:08

Rich Malaspina 10/14/14

Jen Bragg 10/14/14

504.1

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: CH0911.i Analysis Batch Number: 78477

Lab Sample ID: ICRT 200-78475/4-A Client Sample ID:

Date Analyzed: 10/09/14 19:50 Lab File ID: 9932_09.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	8.14	Baseline Event	malaspina r	10/10/14 09:02

Lab Sample ID: ICRT 200-78475/4-A Client Sample ID:

Date Analyzed: 10/09/14 19:50 Lab File ID: 9932_09.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane	4.11	Baseline Event	malaspina r	10/10/14 09:02
1-Bromo-3-Chloropropane (Surr)	6.30	Baseline Event	malaspina r	10/10/14 09:02

Lab Sample ID: IC 200-78475/5-A Client Sample ID:

Date Analyzed: 10/09/14 20:20 Lab File ID: 9932_10.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.71	Baseline Event	malaspina r	10/10/14 09:09
1,2,3-Trichloropropane	8.14	Baseline Event	malaspina r	10/10/14 09:09

Lab Sample ID: IC 200-78475/5-A Client Sample ID:

Date Analyzed: 10/09/14 20:20 Lab File ID: 9932_10.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.30	Baseline Event	malaspina r	10/10/14 09:09

504.1

Rich Malaspina 10/10/14
Jen Magno 10/14/14

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: CH0911.i Analysis Batch Number: 78477

Lab Sample ID: IC 200-78475/6-A Client Sample ID:

Date Analyzed: 10/09/14 20:49 Lab File ID: 9932_11.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	8.14	Baseline Event	malaspina r	10/10/14 09:10

Lab Sample ID: IC 200-78475/6-A Client Sample ID:

Date Analyzed: 10/09/14 20:49 Lab File ID: 9932_11.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.31	Baseline Event	malaspina r	10/10/14 09:10
1,2,3-Trichloropropane	7.87	Baseline Event	malaspina r	10/10/14 09:10

Robert Malaspina 10/14/14
Jen Magee 10/14/14

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: CH0911.i Analysis Batch Number: 78532

Lab Sample ID: CCVRT 200-78530/1-A Client Sample ID:

Date Analyzed: 10/10/14 15:45 Lab File ID: 9955_04.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.71	Baseline Event	malaspinar	10/11/14 08:36
1,2,3-Trichloropropane	8.14	Baseline Event	malaspinar	10/11/14 08:36

Lab Sample ID: CCVRT 200-78530/1-A Client Sample ID:

Date Analyzed: 10/10/14 15:45 Lab File ID: 9955_04.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.31	Baseline Event	malaspinar	10/11/14 08:36
1,2,3-Trichloropropane	7.87	Baseline Event	malaspinar	10/11/14 08:36

Lab Sample ID: ICV 200-78530/2-A Client Sample ID:

Date Analyzed: 10/10/14 16:15 Lab File ID: 9955_05.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane	4.30	Baseline Event	malaspinar	10/11/14 08:38
1-Bromo-3-Chloropropane (Surr)	6.71	Baseline Event	malaspinar	10/11/14 08:38
1,2,3-Trichloropropane	8.14	Baseline Event	malaspinar	10/11/14 08:38

Rob Malaspina 10/14/14

Jen Magee 10/14/14

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: CH0911.i Analysis Batch Number: 78532

Lab Sample ID: ICV 200-78530/2-A Client Sample ID:

Date Analyzed: 10/10/14 16:15 Lab File ID: 9955_05.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.30	Baseline Event	malaspina r	10/11/14 08:38
1,2,3-Trichloropropane	7.87	Baseline Event	malaspina r	10/11/14 08:38

Lab Sample ID: LLCS 200-78530/4-A Client Sample ID:

Date Analyzed: 10/10/14 17:14 Lab File ID: 9955_07.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	8.14	Baseline Event	malaspina r	10/11/14 08:40

Lab Sample ID: LLCS 200-78530/4-A Client Sample ID:

Date Analyzed: 10/10/14 17:14 Lab File ID: 9955_07.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane	4.11	Baseline Event	malaspina r	10/11/14 08:40
1-Bromo-3-Chloropropane (Surr)	6.31	Baseline Event	malaspina r	10/11/14 08:40
1,2,3-Trichloropropane	7.87	Baseline Event	malaspina r	10/11/14 08:40
1,2-Dibromo-3-Chloropropane	11.42	Baseline Event	malaspina r	10/11/14 08:40

Rob Malaspina 10/14/14

Jen Nagro 10/14/14

504.1

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: CH0911.i Analysis Batch Number: 78532

Lab Sample ID: LCS 200-78530/5-A Client Sample ID:

Date Analyzed: 10/10/14 17:44 Lab File ID: 9955_08.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.71	Baseline Event	malaspina r	10/11/14 08:42
1,2,3-Trichloropropane	8.14	Baseline Event	malaspina r	10/11/14 08:42
1,2-Dibromo-3-Chloropropane	11.32	Baseline Event	malaspina r	10/11/14 08:42

Lab Sample ID: LCS 200-78530/5-A Client Sample ID:

Date Analyzed: 10/10/14 17:44 Lab File ID: 9955_08.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.30	Baseline Event	malaspina r	10/11/14 08:42

Lab Sample ID: 200-24551-1 Client Sample ID: TRIP BLANK

Date Analyzed: 10/10/14 18:14 Lab File ID: 9955_09.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.31	Baseline Event	malaspina r	10/11/14 08:42

Lab Sample ID: 200-24551-8 Client Sample ID: PW-48

Date Analyzed: 10/10/14 18:44 Lab File ID: 9955_10.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.71	Baseline Event	malaspina r	10/11/14 08:44
1,2,3-Trichloropropane	8.14	Baseline Event	malaspina r	10/11/14 08:44

504.1

Rob Malaspina 10/14/14
Jen Mayo 10/14/14

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: CH0911.i Analysis Batch Number: 78532

Lab Sample ID: 200-24551-8 Client Sample ID: PW-48

Date Analyzed: 10/10/14 18:44 Lab File ID: 9955_10.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.30	Baseline Event	malaspina r	10/11/14 08:44

Lab Sample ID: 200-24551-10 Client Sample ID: PW-52

Date Analyzed: 10/10/14 19:14 Lab File ID: 9955_11.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.71	Baseline Event	malaspina r	10/13/14 12:27

Lab Sample ID: 200-24551-10 Client Sample ID: PW-52

Date Analyzed: 10/10/14 19:14 Lab File ID: 9955_11.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.31	Baseline Event	malaspina r	10/13/14 12:27

Lab Sample ID: 200-24551-10 DU Client Sample ID: PW-52 DU

Date Analyzed: 10/10/14 19:43 Lab File ID: 9955_12.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.71	Baseline Event	malaspina r	10/13/14 12:28

Robt Malaspina 10/14/14

Jen Magee 10/14/14

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: CH0911.i Analysis Batch Number: 78532

Lab Sample ID: 200-24551-10 DU Client Sample ID: PW-52 DU

Date Analyzed: 10/10/14 19:43 Lab File ID: 9955_12.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.31	Baseline Event	malaspina r	10/11/14 08:44

Lab Sample ID: 200-24551-10 MS Client Sample ID: PW-52 MS

Date Analyzed: 10/10/14 20:13 Lab File ID: 9955_13.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.71	Baseline Event	malaspina r	10/11/14 08:45
1,2,3-Trichloropropane	8.14	Baseline Event	malaspina r	10/11/14 08:45

Lab Sample ID: 200-24551-10 MS Client Sample ID: PW-52 MS

Date Analyzed: 10/10/14 20:13 Lab File ID: 9955_13.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.31	Baseline Event	malaspina r	10/11/14 08:45
1,2,3-Trichloropropane	7.87	Baseline Event	malaspina r	10/11/14 08:45

Lab Sample ID: 200-24551-10 TRL Client Sample ID: PW-52 TRL

Date Analyzed: 10/10/14 20:43 Lab File ID: 9955_14.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.71	Baseline Event	malaspina r	10/13/14 12:29

Ruth Malaspina 10/14/14

Ben Naegle 10/14/14

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: CH0911.i Analysis Batch Number: 78532

Lab Sample ID: 200-24551-10 TRL Client Sample ID: PW-52 TRL

Date Analyzed: 10/10/14 20:43 Lab File ID: 9955_14.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.31	Baseline Event	malaspina r	10/11/14 08:46

Lab Sample ID: CCV 200-78530/12-A Client Sample ID:

Date Analyzed: 10/10/14 21:13 Lab File ID: 9955_15.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.71	Baseline Event	malaspina r	10/13/14 12:39
1,2,3-Trichloropropane	8.14	Baseline Event	malaspina r	10/11/14 08:46

Lab Sample ID: CCV 200-78530/12-A Client Sample ID:

Date Analyzed: 10/10/14 21:13 Lab File ID: 9955_15.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.31	Baseline Event	malaspina r	10/13/14 12:39

Lab Sample ID: 200-24551-11 Client Sample ID: PW-53

Date Analyzed: 10/10/14 21:42 Lab File ID: 9955_16.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.31	Baseline Event	malaspina r	10/13/14 12:40

Richard Malaspina 10/14/14

Jen Noggo 10/14/14

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: CH0911.i Analysis Batch Number: 78532

Lab Sample ID: 200-24551-12 Client Sample ID: DUP

Date Analyzed: 10/10/14 22:12 Lab File ID: 9955_17.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.71	Baseline Event	malaspina r	10/13/14 12:41

Lab Sample ID: 200-24551-12 Client Sample ID: DUP

Date Analyzed: 10/10/14 22:12 Lab File ID: 9955_17.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-3-Chloropropane (Surr)	6.31	Baseline Event	malaspina r	10/13/14 12:41

Lab Sample ID: CCV 200-78530/16-A Client Sample ID:

Date Analyzed: 10/10/14 23:11 Lab File ID: 9955_19.D GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	8.14	Baseline Event	malaspina r	10/11/14 08:47

Lab Sample ID: CCV 200-78530/16-A Client Sample ID:

Date Analyzed: 10/10/14 23:11 Lab File ID: 9955_19.D GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	7.87	Baseline Event	malaspina r	10/11/14 08:47

Ruth Malaspina 10/14/14

Jen Nagao 10/14/14

504.1

LCMS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: LC3062 Analysis Batch Number: 78314

Lab Sample ID: LCS 200-78314/5 Client Sample ID:

Date Analyzed: 10/07/14 12:54 Lab File ID: P100714A331_05.d GC Column: IC-Pak AnionH/ ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perchlorate	8.71	Peak not found by the data system	vuonoc	10/07/14 13:33

Lab Sample ID: 200-24551-2 Client Sample ID:

Date Analyzed: 10/07/14 13:25 Lab File ID: P100714A331_07.d GC Column: IC-Pak AnionH/ ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
18-O Perchlorate	8.71	Baseline Event	vuonoc	10/07/14 13:42

10/14/14

10/14/14

Detection Limit (DL), Limit of Detection (LOD) & Limit of Quantitation (LOQ) Summary

TEST METHOD:	524.2	MATRIX:	Water		QA Review:	Sara Goff	
PREP METHOD:	524.2	Instrument(s):	L		Date Approved:	3/2/2014	
CLEANUP METHOD(s):		TAL Job #:	20492		TALS Entry:	3/2/2014	
ANALYTE	CAS #	DL ug/L	LOD ug/L	LOD Reference	LOQ ug/L	LOD/DL Ratio	LOQ/LOD Ratio
Dichlorodifluoromethane	75-71-8	0.090	0.1	LOD1	0.50	1.1	5.0
Chloromethane	74-87-3	0.12	0.2	LOD2	0.50	1.7	2.5
Vinyl chloride	75-01-4	0.076	0.1	LOD1	0.50	1.3	5.0
Bromomethane	74-83-9	0.20	0.4	LOD3	0.50	2.0	1.3
Chloroethane	75-00-3	0.22	0.4	LOD3	0.50	1.8	1.3
Trichlorofluoromethane	75-69-4	0.10	0.1	LOD1	0.50	1.0	5.0
Diethyl ether	60-29-7	0.066	0.1	LOD1	0.50	1.5	5.0
1,1-Dichloroethene	75-35-4	0.074	0.1	LOD1	0.50	1.3	5.0
Acetone	67-64-1	0.84	1	LOD2	2.5	1.2	2.5
Methyl iodide	74-88-4	0.13	0.2	LOD2	0.50	1.6	2.5
Carbon disulfide	75-15-0	0.12	0.2	LOD2	0.50	1.6	2.5
Allyl chloride	107-05-1	0.10	0.1	LOD1	0.50	1.0	5.0
Methylene Chloride	75-09-2	0.084	0.1	LOD1	0.50	1.2	5.0
t-Butyl alcohol	75-65-0	4.4	10	LOD1	50	2.3	5.0
Acrylonitrile	107-13-1	0.16	0.2	LOD2	0.50	1.2	2.5
trans-1,2-Dichloroethene	156-60-5	0.071	0.1	LOD1	0.50	1.4	5.0
Methyl t-butyl ether	1634-04-4	0.080	0.1	LOD1	0.50	1.2	5.0
1,1-Dichloroethane	75-34-3	0.094	0.1	LOD1	0.50	1.1	5.0
cis-1,2-Dichloroethene	156-59-2	0.087	0.1	LOD1	0.50	1.2	5.0
2,2-Dichloropropane	594-20-7	0.16	0.2	LOD2	0.50	1.3	2.5
2-Butanone	78-93-3	0.16	0.5	LOD1	5.0	3.1	10
Propionitrile	107-12-0	2.9	5	LOD1	25	1.7	5.0
Methyl acrylate	96-33-3	0.13	0.2	LOD2	0.50	1.5	2.5
Methacrylonitrile	126-98-7	0.081	0.2	LOD2	0.50	2.5	2.5
Bromochloromethane	74-97-5	0.076	0.1	LOD1	0.50	1.3	5.0
Tetrahydrofuran	109-99-9	0.52	1	LOD2	2.5	1.9	2.5
Chloroform	67-66-3	0.085	0.1	LOD1	0.50	1.2	5.0
1,1,1-Trichloroethane	71-55-6	0.092	0.1	LOD1	0.50	1.1	5.0
1-Chlorobutane	109-69-3	0.10	0.1	LOD1	0.50	1.0	5.0
Carbon tetrachloride	56-23-5	0.12	0.2	LOD2	0.50	1.7	2.5
1,1-Dichloropropene	563-58-6	0.12	0.2	LOD2	0.50	1.7	2.5
Benzene	71-43-2	0.10	0.2	LOD2	0.50	2.0	2.5
1,2-Dichloroethane	107-06-2	0.092	0.1	LOD1	0.50	1.1	5.0
Trichloroethene	79-01-6	0.10	0.2	LOD2	0.50	1.9	2.5
1,2-Dichloropropane	78-87-5	0.087	0.1	LOD1	0.50	1.2	5.0
Dibromomethane	74-95-3	0.090	0.1	LOD1	0.50	1.1	5.0
Methyl methacrylate	80-62-6	0.25	0.4	LOD3	0.50	1.6	1.3

Detection Limit (DL), Limit of Detection (LOD) & Limit of Quantitation (LOQ) Summary

TEST METHOD:	524.2	MATRIX:	Water		QA Review:	Sara Goff	
PREP METHOD:	524.2	Instrument(s):	L		Date Approved:	3/2/2014	
CLEANUP METHOD(s):		TAL Job #:	20492		TALS Entry:	3/2/2014	
ANALYTE	CAS #	DL ug/L	LOD ug/L	LOD Reference	LOQ ug/L	LOD/DL Ratio	LOQ/LOD Ratio
Bromodichloromethane	75-27-4	0.10	0.1	LOD1	0.50	1.0	5.0
2-Nitropropane	79-46-9	1.3	2	LOD1	10	1.6	5.0
Chloroacetonitrile	107-14-2	4.1	5	LOD1	25	1.2	5.0
cis-1,3-Dichloropropene	10061-01-5	0.12	0.1	LOD2	0.50	0.8	5.0
4-Methyl-2-pentanone (MIBK)	108-10-1	0.32	0.5	LOD1	2.5	1.6	5.0
1,1-Dichloropropanone	513-88-2	1.1	2	LOD1	10	1.9	5.0
Toluene	108-88-3	0.10	0.1	LOD1	0.50	1.0	5.0
trans-1,3-Dichloropropene	10061-02-6	0.082	0.1	LOD1	0.50	1.2	5.0
Ethyl methacrylate	97-63-2	0.073	0.1	LOD1	0.50	1.4	5.0
1,1,2-Trichloroethane	79-00-5	0.070	0.1	LOD1	0.50	1.4	5.0
Tetrachloroethene	127-18-4	0.089	0.1	LOD1	0.50	1.1	5.0
1,3-Dichloropropane	142-28-9	0.10	0.1	LOD1	0.50	1.0	5.0
2-Hexanone	591-78-6	0.40	0.1	LOD1	2.5	0.2	25.0
Dibromochloromethane	124-48-1	0.081	0.1	LOD1	0.50	1.2	5.0
1,2-Dibromoethane	106-93-4	0.072	0.1	LOD1	0.50	1.4	5.0
Chlorobenzene	108-90-7	0.093	0.1	LOD1	0.50	1.1	5.0
1,1,1,2-Tetrachloroethane	630-20-6	0.10	0.1	LOD1	0.50	1.0	5.0
Ethylbenzene	100-41-4	0.10	0.1	LOD1	0.50	1.1	5.0
m&p-Xylene	179601-23-1	0.20	0.1	LOD1	0.50	0.5	5.0
o-Xylene	95-47-6	0.092	0.1	LOD1	0.50	1.1	5.0
Xylenes, Total	1330-20-7	0.29	0.1	LOD1	0.50	0.3	5.0
Styrene	100-42-5	0.075	0.1	LOD1	0.50	1.3	5.0
Bromoform	75-25-2	0.067	0.1	LOD1	0.50	1.5	5.0
Isopropylbenzene	98-82-8	0.10	0.2	LOD2	0.50	1.9	2.5
Bromobenzene	108-86-1	0.083	0.1	LOD1	0.50	1.2	5.0
1,1,2,2-Tetrachloroethane	79-34-5	0.078	0.1	LOD1	0.50	1.3	5.0
1,2,3-Trichloropropane	96-18-4	0.10	0.1	LOD1	0.50	1.0	5.0
trans-1,4-Dichloro-2-butene	110-57-6	0.12	0.2	LOD2	0.50	1.6	2.5
n-Propylbenzene	103-65-1	0.10	0.2	LOD2	0.50	2.0	2.5
2-Chlorotoluene	95-49-8	0.10	0.2	LOD2	0.50	2.0	2.5
4-Chlorotoluene	106-43-4	0.10	0.1	LOD1	0.50	1.0	5.0
1,3,5-Trimethylbenzene	108-67-8	0.10	0.1	LOD1	0.50	1.0	5.0
tert-Butylbenzene	98-06-6	0.089	0.1	LOD1	0.50	1.1	5.0
Pentachloroethane	76-01-7	0.089	0.1	LOD1	0.50	1.1	5.0
1,2,4-Trimethylbenzene	95-63-6	0.10	0.2	LOD2	0.50	2.0	2.5
sec-Butylbenzene	135-98-8	0.090	0.1	LOD1	0.50	1.1	5.0
1,3-Dichlorobenzene	541-73-1	0.11	0.2	LOD2	0.50	1.9	2.5

Detection Limit (DL), Limit of Detection (LOD) & Limit of Quantitation (LOQ) Summary

TEST METHOD:	524.2	**MATRIX:**	Water		**QA Review:**	Sara Goff	
PREP METHOD:	524.2	**Instrument(s):**	L		**Date Approved:**	3/2/2014	
CLEANUP METHOD(s):		**TAL Job #:**	20492		**TALS Entry:**	3/2/2014	
ANALYTE	**CAS #**	**DL ug/L**	**LOD ug/L**	**LOD Reference**	**LOQ ug/L**	**LOD/DL Ratio**	**LOQ/LOD Ratio**
p-Isopropyltoluene	99-87-6	0.090	0.1	LOD1	0.50	1.1	5.0
1,4-Dichlorobenzene	106-46-7	0.10	0.1	LOD1	0.50	1.0	5.0
1,2-Dichlorobenzene	95-50-1	0.081	0.1	LOD1	0.50	1.2	5.0
n-Butylbenzene	104-51-8	0.13	0.2	LOD2	0.50	1.6	2.5
Hexachloroethane	67-72-1	0.12	0.2	LOD2	0.50	1.7	2.5
1,2-Dibromo-3-Chloropropane	96-12-8	0.10	0.1	LOD1	0.50	1.0	5.0
Nitrobenzene	98-95-3	3.6	10	LOD2	25	2.8	2.5
1,3,5-Trichlorobenzene	108-70-3	0.10	0.1	LOD1	0.50	1.0	5.0
1,2,4-Trichlorobenzene	120-82-1	0.083	0.1	LOD1	0.50	1.2	5.0
Hexachlorobutadiene	87-68-3	0.089	0.1	LOD1	0.50	1.1	5.0
Naphthalene	91-20-3	0.062	0.1	LOD1	0.50	1.6	5.0
1,2,3-Trichlorobenzene	87-61-6	0.10	0.1	LOD2	0.50	1.0	5.0

Detection Limit (DL) Study Report

TEST METHOD:	524.2	Prep Dates:	01/21/14
PREP METHOD:	524.2	Prep Factor:	
CLEANUP METHOD(s):	NA	Initial Vol	5 mL
MATRIX:	Water	Final Vol	5 mL

	Date Analyzed:		**01/21/14**	**01/21/14**	**01/21/14**	**01/21/14**	**01/21/14**	**01/21/14**	**01/21/14**					
	Instrument ID:		**L**	**L**	**L**	**L**	**L**	**L**	**L**					
	Column Type:		**DB-624**	**DB-624**	**DB-624**	**DB-624**	**DB-624**	**DB-624**	**DB-624**					
ANALYTE	**CAS #**	**Spike ug/L**	**REP 1 ug/L**	**REP 2 ug/L**	**REP 3 ug/L**	**REP 4 ug/L**	**REP 5 ug/L**	**REP 6 ug/L**	**REP 7 ug/L**	**Mean ug/L**	**Average %R**	**STD DEV**	**DL ug/L**	**Spike/ DL Ratio**
Dichlorodifluoromethane	75-71-8	0.25	0.2940	0.2077	0.2242	0.2422	0.2319	0.2230	0.2171	0.234	94%	0.02849	0.090	2.8
Chloromethane	74-87-3	0.25	0.3244	0.2737	0.2436	0.2590	0.2435	0.3317	0.2432	0.274	110%	0.03852	0.121	2.1
Vinyl chloride	75-01-4	0.25	0.3103	0.2458	0.2454	0.2707	0.2535	0.2785	0.2455	0.264	106%	0.02424	0.076	3.3
Bromomethane	74-83-9	0.25	0.4489	0.3114	0.3160	0.4281	0.4010	0.2997	0.3038	0.358	143%	0.06495	0.204	1.2
Trichlorofluoromethane	75-69-4	0.25	0.3141	0.2378	0.2301	0.2581	0.2539	0.2302	0.2236	0.250	100%	0.03116	0.098	2.6
Diethyl ether	60-29-7	0.25	0.2560	0.2140	0.2128	0.2419	0.2252	0.1923	0.2143	0.222	89%	0.02102	0.066	3.8
1,1-Dichloroethene	75-35-4	0.25	0.2892	0.2483	0.2280	0.2554	0.2510	0.2323	0.2169	0.246	98%	0.02360	0.074	3.4
Acetone	67-64-1	1.25	1.6464	2.2726	1.4420	1.5300	1.8016	1.6935	1.7017	1.727	138%	0.26819	0.843	1.5
Methyl iodide	74-88-4	0.25	0.3054	0.2176	0.2014	0.1959	0.2075	0.1873	0.2022	0.217	87%	0.04021	0.126	2.0
Carbon disulfide	75-15-0	0.25	0.3664	0.2457	0.2891	0.3008	0.2552	0.2781	0.2836	0.288	115%	0.03936	0.124	2.0
Allyl chloride	107-05-1	0.25	0.3383	0.2651	0.2548	0.2861	0.2615	0.2581	0.2493	0.273	109%	0.03095	0.097	2.6
Methylene Chloride	75-09-2	0.25	0.3685	0.3181	0.3169	0.3425	0.3277	0.3103	0.2836	0.324	130%	0.02660	0.084	3.0
t-Butyl alcohol	75-65-0	25	16.9225	17.0985	13.1718	15.7232	14.8499	14.2449	15.2043	15.316	61%	1.40822	4.4	5.6
Acrylonitrile	107-13-1	0.25	0.2490	0.2358	0.1786	0.1897	0.2940	0.1489	0.1735	0.210	84%	0.05116	0.161	1.6
trans-1,2-Dichloroethene	156-60-5	0.25	0.3022	0.2473	0.2450	0.2584	0.2363	0.2567	0.2377	0.255	102%	0.02255	0.071	3.5
Methyl t-butyl ether	1634-04-4	0.25	0.2877	0.2244	0.2267	0.2507	0.2493	0.2213	0.2137	0.239	96%	0.02559	0.080	3.1
1,1-Dichloroethane	75-34-3	0.25	0.3334	0.2588	0.2467	0.2836	0.2666	0.2602	0.2497	0.271	109%	0.02993	0.094	2.7
cis-1,2-Dichloroethene	156-59-2	0.25	0.3172	0.2428	0.2391	0.2515	0.2502	0.2639	0.2396	0.258	103%	0.02758	0.087	2.9
2,2-Dichloropropane	594-20-7	0.25	0.4285	0.4955	0.3618	0.3865	0.4061	0.3618	0.3553	0.399	160%	0.05013	0.158	1.6
2-Butanone	78-93-3	1.25	0.9451	0.9013	0.8029	0.8089	0.8597	0.8653	0.8291	0.859	69%	0.05129	0.161	7.8
Propionitrile	107-12-0	12.7	10.9392	8.5060	8.4839	8.9144	9.6144	8.4464	8.6624	9.081	72%	0.91563	2.878	4.4
Methyl acrylate	96-33-3	0.25	0.2332	0.1332	0.1457	0.1588	0.1617	0.1075	0.1200	0.151	61%	0.04109	0.129	1.9
Methacrylonitrile	126-98-7	0.25	0.2676	0.2263	0.2769	0.2487	0.2600	0.2101	0.2200	0.244	98%	0.02568	0.081	3.1
Bromochloromethane	74-97-5	0.25	0.2893	0.2258	0.2465	0.2140	0.2522	0.2375	0.2343	0.243	97%	0.02410	0.076	3.3
Tetrahydrofuran	109-99-9	1.25	1.6277	1.1558	1.2623	1.3183	1.1221	1.2770	1.2904	1.293	103%	0.16426	0.516	2.4
Chloroform	67-66-3	0.25	0.3536	0.2765	0.2888	0.3159	0.3140	0.2916	0.2815	0.303	121%	0.02690	0.085	3.0
1,1,1-Trichloroethane	71-55-6	0.25	0.3217	0.2561	0.2514	0.2689	0.2492	0.2429	0.2333	0.260	104%	0.02913	0.092	2.7
1-Chlorobutane	109-69-3	0.25	0.3387	0.2939	0.2719	0.3050	0.2451	0.2632	0.2649	0.283	113%	0.03160	0.099	2.5
Carbon tetrachloride	56-23-5	0.25	0.3169	0.2254	0.2202	0.2517	0.2240	0.2136	0.2110	0.238	95%	0.03743	0.118	2.1
1,1-Dichloropropene	563-58-6	0.25	0.3227	0.2432	0.2247	0.3066	0.2491	0.2403	0.2442	0.262	105%	0.03736	0.117	2.1
Benzene	71-43-2	0.25	0.3432	0.2606	0.2669	0.2926	0.2560	0.2620	0.2542	0.276	111%	0.03208	0.101	2.5
1,2-Dichloroethane	107-06-2	0.25	0.2888	0.2008	0.2068	0.2228	0.2161	0.2241	0.2160	0.225	90%	0.02932	0.092	2.7
Trichloroethene	79-01-6	0.25	0.3525	0.2850	0.2739	0.2658	0.2786	0.2813	0.2476	0.284	113%	0.03288	0.103	2.4

Detection Limit (DL) Study Report

TEST METHOD:	524.2	Prep Dates:	01/21/14
PREP METHOD:	524.2	Prep Factor:	
CLEANUP METHOD(s):	NA	Initial Vol	5 mL
MATRIX:	Water	Final Vol	5 mL

	Date Analyzed:		**01/21/14**	**01/21/14**	**01/21/14**	**01/21/14**	**01/21/14**	**01/21/14**	**01/21/14**					
	Instrument ID:		**L**	**L**	**L**	**L**	**L**	**L**	**L**					
	Column Type:		**DB-624**	**DB-624**	**DB-624**	**DB-624**	**DB-624**	**DB-624**	**DB-624**					
ANALYTE	**CAS #**	**Spike ug/L**	**REP 1 ug/L**	**REP 2 ug/L**	**REP 3 ug/L**	**REP 4 ug/L**	**REP 5 ug/L**	**REP 6 ug/L**	**REP 7 ug/L**	**Mean ug/L**	**Average %R**	**STD DEV**	**DL ug/L**	**Spike/ DL Ratio**
1,2-Dichloropropane	78-87-5	0.25	0.3198	0.2667	0.2424	0.2813	0.2678	0.2400	0.2509	0.267	107%	0.02765	0.087	2.9
Dibromomethane	74-95-3	0.25	0.2960	0.2561	0.2205	0.2401	0.2268	0.2131	0.2248	0.240	96%	0.02857	0.090	2.8
Methyl methacrylate	80-62-6	0.25	0.5812	0.4062	0.4704	0.5766	0.3714	0.4540	0.5246	0.483	193%	0.08113	0.255	1.0
Bromodichloromethane	75-27-4	0.25	0.3191	0.2494	0.2367	0.2646	0.2807	0.2478	0.2300	0.261	104%	0.03065	0.096	2.6
2-Nitropropane	79-46-9	5.25	4.6874	3.6933	3.8333	4.1316	3.9942	3.5764	3.5020	3.917	75%	0.40638	1.277	4.1
Chloroacetonitrile	107-14-2	12.7	10.6523	6.8219	6.9847	7.3838	7.5407	7.3376	8.2328	7.851	62%	1.31532	4.134	3.1
cis-1,3-Dichloropropene	10061-01-5	0.25	0.3769	0.2553	0.2894	0.2949	0.2826	0.2739	0.2940	0.295	118%	0.03856	0.121	2.1
4-Methyl-2-pentanone (MIBK)	108-10-1	1.25	1.2340	0.9723	0.9632	0.9991	1.0293	0.9743	0.9328	1.015	81%	0.10111	0.318	3.9
1,1-Dichloropropanone	513-88-2	5.25	4.9125	4.6461	4.0483	4.0012	4.6063	4.5114	4.2775	4.429	84%	0.33419	1.050	5.0
Toluene	108-88-3	0.25	0.3164	0.2353	0.2413	0.2490	0.2538	0.2295	0.2300	0.251	100%	0.03037	0.095	2.6
trans-1,3-Dichloropropene	10061-02-6	0.25	0.3185	0.2525	0.2416	0.2462	0.2510	0.2630	0.2626	0.262	105%	0.02606	0.082	3.1
Ethyl methacrylate	97-63-2	0.25	0.2284	0.2542	0.2183	0.2656	0.2004	0.2541	0.2448	0.238	95%	0.02318	0.073	3.4
1,1,2-Trichloroethane	79-00-5	0.25	0.2804	0.2414	0.2452	0.2507	0.2918	0.2308	0.2461	0.255	102%	0.02223	0.070	3.6
Tetrachloroethene	127-18-4	0.25	0.3143	0.2412	0.2459	0.2525	0.2430	0.2502	0.2253	0.253	101%	0.02834	0.089	2.8
1,3-Dichloropropane	142-28-9	0.25	0.3034	0.2467	0.2314	0.2574	0.2508	0.2100	0.2220	0.246	98%	0.03037	0.095	2.6
2-Hexanone	591-78-6	1.25	1.2409	0.9435	0.8600	0.9883	1.0126	0.9306	0.8696	0.978	78%	0.12880	0.405	3.1
Dibromochloromethane	124-48-1	0.25	0.2745	0.2160	0.2005	0.2288	0.2133	0.2038	0.2047	0.220	88%	0.02578	0.081	3.1
1,2-Dibromoethane	106-93-4	0.25	0.2722	0.2154	0.2152	0.2226	0.2237	0.2224	0.1973	0.224	90%	0.02307	0.072	3.4
Chlorobenzene	108-90-7	0.25	0.3142	0.2447	0.2324	0.2521	0.2557	0.2408	0.2226	0.252	101%	0.02974	0.093	2.7
1,1,1,2-Tetrachloroethane	630-20-6	0.25	0.3141	0.2367	0.2256	0.2545	0.2691	0.2397	0.2326	0.253	101%	0.03054	0.096	2.6
Ethylbenzene	100-41-4	0.25	0.3429	0.2700	0.2630	0.2878	0.2758	0.2660	0.2502	0.279	112%	0.03030	0.095	2.6
m&p-Xylene	179601-23-1	0.5	0.6615	0.5078	0.4790	0.5257	0.5246	0.4814	0.4890	0.524	105%	0.06356	0.200	2.5
o-Xylene	95-47-6	0.25	0.3235	0.2549	0.2440	0.2653	0.2777	0.2442	0.2405	0.264	106%	0.02931	0.092	2.7
Xylenes, Total	1330-20-7	0.75	0.9850	0.7626	0.7230	0.7909	0.8023	0.7256	0.7295	0.788	105%	0.09237	0.290	2.6
Styrene	100-42-5	0.25	0.2893	0.2310	0.2255	0.2437	0.2395	0.2311	0.2161	0.239	96%	0.02376	0.075	3.3
Bromoform	75-25-2	0.25	0.2438	0.1966	0.1891	0.1871	0.1924	0.1865	0.1820	0.197	79%	0.02123	0.067	3.7
Isopropylbenzene	98-82-8	0.25	0.3497	0.2701	0.2530	0.2843	0.2703	0.2629	0.2568	0.278	111%	0.03319	0.104	2.4
Bromobenzene	108-86-1	0.25	0.2991	0.2385	0.2226	0.2374	0.2216	0.2341	0.2326	0.241	96%	0.02655	0.083	3.0
1,1,2,2-Tetrachloroethane	79-34-5	0.25	0.2990	0.2708	0.2413	0.2516	0.2617	0.2378	0.2232	0.255	102%	0.02493	0.078	3.2
1,2,3-Trichloropropane	96-18-4	0.25	0.2923	0.2370	0.2123	0.2405	0.2165	0.1990	0.2177	0.231	92%	0.03069	0.096	2.6
trans-1,4-Dichloro-2-butene	110-57-6	0.25	0.2864	0.2165	0.2890	0.2305	0.1827	0.2365	0.2156	0.237	95%	0.03877	0.122	2.1
n-Propylbenzene	103-65-1	0.25	0.3198	0.2551	0.2298	0.2491	0.2645	0.2617	0.2193	0.257	103%	0.03227	0.101	2.5
2-Chlorotoluene	95-49-8	0.25	0.3322	0.2649	0.2492	0.2694	0.2640	0.2593	0.2289	0.267	107%	0.03186	0.100	2.5

Detection Limit (DL) Study Report

TEST METHOD:	524.2	Prep Dates:	01/21/14
PREP METHOD:	524.2	Prep Factor:	
CLEANUP METHOD(s):	NA	Initial Vol	5 mL
MATRIX:	Water	Final Vol	5 mL

	Date Analyzed:		**01/21/14**	**01/21/14**	**01/21/14**	**01/21/14**	**01/21/14**	**01/21/14**	**01/21/14**					
	Instrument ID:		**L**	**L**	**L**	**L**	**L**	**L**	**L**					
	Column Type:		**DB-624**	**DB-624**	**DB-624**	**DB-624**	**DB-624**	**DB-624**	**DB-624**					
ANALYTE	**CAS #**	**Spike ug/L**	**REP 1 ug/L**	**REP 2 ug/L**	**REP 3 ug/L**	**REP 4 ug/L**	**REP 5 ug/L**	**REP 6 ug/L**	**REP 7 ug/L**	**Mean ug/L**	**Average %R**	**STD DEV**	**DL ug/L**	**Spike/ DL Ratio**
4-Chlorotoluene	106-43-4	0.25	0.3154	0.2501	0.2248	0.2483	0.2404	0.2551	0.2263	0.251	101%	0.03051	0.096	2.6
1,3,5-Trimethylbenzene	108-67-8	0.25	0.3424	0.2788	0.2547	0.2758	0.2739	0.2670	0.2454	0.277	111%	0.03131	0.098	2.5
tert-Butylbenzene	98-06-6	0.25	0.3303	0.2633	0.2514	0.2727	0.2614	0.2488	0.2535	0.269	108%	0.02835	0.089	2.8
Pentachloroethane	76-01-7	0.25	0.3036	0.2408	0.2255	0.2290	0.2399	0.2300	0.2208	0.241	97%	0.02836	0.089	2.8
1,2,4-Trimethylbenzene	95-63-6	0.25	0.3480	0.2851	0.2605	0.2744	0.2685	0.2612	0.2555	0.279	112%	0.03200	0.101	2.5
sec-Butylbenzene	135-98-8	0.25	0.3623	0.3030	0.2855	0.2939	0.2981	0.2902	0.2734	0.301	120%	0.02869	0.090	2.8
1,3-Dichlorobenzene	541-73-1	0.25	0.3230	0.2548	0.2162	0.2630	0.2475	0.2308	0.2397	0.254	101%	0.03430	0.108	2.3
p-Isopropyltoluene	99-87-6	0.25	0.3672	0.3038	0.2877	0.3213	0.3144	0.3044	0.2800	0.311	124%	0.02851	0.090	2.8
1,4-Dichlorobenzene	106-46-7	0.25	0.3123	0.2390	0.2341	0.2407	0.2366	0.2260	0.2173	0.244	97%	0.03132	0.098	2.5
1,2-Dichlorobenzene	95-50-1	0.25	0.2912	0.2329	0.2215	0.2488	0.2266	0.2255	0.2158	0.237	95%	0.02590	0.081	3.1
n-Butylbenzene	104-51-8	0.25	0.3676	0.2963	0.2416	0.2873	0.2803	0.2664	0.2646	0.286	115%	0.04001	0.126	2.0
Hexachloroethane	67-72-1	0.25	0.3421	0.2741	0.2398	0.2863	0.2708	0.2647	0.2216	0.271	109%	0.03818	0.120	2.1
1,2-Dibromo-3-Chloropropane	96-12-8	0.25	0.2712	0.2336	0.1891	0.2348	0.1941	0.1996	0.1877	0.216	86%	0.03159	0.099	2.5
Nitrobenzene	98-95-3	12.7	6.9034	5.8308	5.1711	4.8195	4.2945	4.6292	3.3198	4.995	39%	1.14259	3.591	3.5
1,3,5-Trichlorobenzene	108-70-3	0.25	0.2875	0.2203	0.1978	0.2113	0.2217	0.1983	0.1997	0.220	88%	0.03163	0.099	2.5
1,2,4-Trichlorobenzene	120-82-1	0.25	0.2061	0.1427	0.1321	0.1379	0.1456	0.1396	0.1279	0.147	59%	0.02656	0.083	3.0
Hexachlorobutadiene	87-68-3	0.25	0.3454	0.2964	0.2666	0.2895	0.2696	0.2691	0.2691	0.287	115%	0.02846	0.089	2.8
Naphthalene	91-20-3	0.25	0.1366	0.1073	0.1120	0.0987	0.0978	0.0997	0.0708	0.103	41%	0.01966	0.062	4.0
1,2,3-Trichlorobenzene	87-61-6	0.25	0.2326	0.1510	0.1573	0.1591	0.1663	0.1400	0.1330	0.163	65%	0.03284	0.103	2.4

Detection Limit (DL) Study Report

TEST METHOD:	524.2	Prep Dates:	01/21/14
PREP METHOD:	524.2	Prep Factor:	
CLEANUP METHOD(s):	NA	Initial Vol	5 mL
MATRIX:	Water	Final Vol	5 mL

	Date Analyzed:		**01/21/14**	**01/21/14**	**01/21/14**	**01/21/14**	**01/21/14**	**01/21/14**	**01/21/14**					
	Instrument ID:		**L**	**L**	**L**	**L**	**L**	**L**	**L**					
	Column Type:		**DB-624**	**DB-624**	**DB-624**	**DB-624**	**DB-624**	**DB-624**	**DB-624**					
ANALYTE	**CAS #**	**Spike ug/L**	**REP 1 ug/L**	**REP 2 ug/L**	**REP 3 ug/L**	**REP 4 ug/L**	**REP 5 ug/L**	**REP 6 ug/L**	**REP 7 ug/L**	**Mean ug/L**	**Average %R**	**STD DEV**	**DL ug/L**	**Spike/ DL Ratio**
Chloroethane	75-00-3	0.4	0.3970	0.4013	0.5755	0.4537	0.5201	0.5177	0.5486	0.488	122%	0.07096	0.223	1.8

Limit of Detection (LOD) Verification Report

TEST METHOD:	524.2	**Prep Date:**	01/21/14	**Instrument:**	
PREP METHOD:	524.2	**Initial Amount:**	5 mL		
CLEANUP METHOD(s):	NA	**Final Amount:**	5 mL	**L**	
MATRIX:	Water	**LOD Ref:**	LOD1	**DB-624**	

ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed
Dichlorodifluoromethane	75-71-8	0.090	0.1	1.1	Y	0.1121	01/21/14
Vinyl chloride	75-01-4	0.076	0.1	1.3	Y	0.1228	01/21/14
Trichlorofluoromethane	75-69-4	0.098	0.1	1.0	Y	0.1131	01/21/14
Diethyl ether	60-29-7	0.066	0.1	1.5	Y	0.1016	01/21/14
1,1-Dichloroethene	75-35-4	0.074	0.1	1.3	Y	0.1195	01/21/14
Allyl chloride	107-05-1	0.097	0.1	1.0	Y	0.1379	01/21/14
Methylene Chloride	75-09-2	0.084	0.1	1.2	Y	0.1826	01/21/14
t-Butyl alcohol	75-65-0	4.426	10	2.3	Y	7.4331	01/21/14
trans-1,2-Dichloroethene	156-60-5	0.071	0.1	1.4	Y	0.1159	01/21/14
Methyl t-butyl ether	1634-04-4	0.080	0.1	1.2	Y	0.1204	01/21/14
1,1-Dichloroethane	75-34-3	0.094	0.1	1.1	Y	0.1409	01/21/14
cis-1,2-Dichloroethene	156-59-2	0.087	0.1	1.2	Y	0.1192	01/21/14
2-Butanone	78-93-3	0.161	0.5	3.1	Y	0.4650	01/21/14
Propionitrile	107-12-0	2.878	5.1	1.8	Y	3.9466	01/21/14
Bromochloromethane	74-97-5	0.076	0.1	1.3	Y	0.1114	01/21/14
Chloroform	67-66-3	0.085	0.1	1.2	Y	0.1755	01/21/14
1,1,1-Trichloroethane	71-55-6	0.092	0.1	1.1	Y	0.1246	01/21/14
1-Chlorobutane	109-69-3	0.099	0.1	1.0	Y	0.1399	01/21/14
1,2-Dichloroethane	107-06-2	0.092	0.1	1.1	Y	0.1060	01/21/14
1,2-Dichloropropane	78-87-5	0.087	0.1	1.2	Y	0.1451	01/21/14
Dibromomethane	74-95-3	0.090	0.1	1.1	Y	0.1139	01/21/14
Bromodichloromethane	75-27-4	0.096	0.1	1.0	Y	0.1283	01/21/14
2-Nitropropane	79-46-9	1.277	2.1	1.6	Y	1.8257	01/21/14
Chloroacetonitrile	107-14-2	4.134	5.1	1.2	Y	4.0440	01/21/14
4-Methyl-2-pentanone (MIBK)	108-10-1	0.318	0.5	1.6	Y	0.4683	01/21/14
1,1-Dichloropropanone	513-88-2	1.050	2.1	2.0	Y	2.1194	01/21/14
Toluene	108-88-3	0.095	0.1	1.0	Y	0.1234	01/21/14
trans-1,3-Dichloropropene	10061-02-6	0.082	0.1	1.2	Y	0.1306	01/21/14
Ethyl methacrylate	97-63-2	0.073	0.1	1.4	Y	0.0686	01/21/14
1,1,2-Trichloroethane	79-00-5	0.070	0.1	1.4	Y	0.1532	01/21/14
Tetrachloroethene	127-18-4	0.089	0.1	1.1	Y	0.1149	01/21/14
1,3-Dichloropropane	142-28-9	0.095	0.1	1.0	Y	0.1355	01/21/14
2-Hexanone	591-78-6	0.405	0.5	1.2	Y	0.4488	01/21/14
Dibromochloromethane	124-48-1	0.081	0.1	1.2	Y	0.1116	01/21/14
1,2-Dibromoethane	106-93-4	0.072	0.1	1.4	Y	0.0947	01/21/14
Chlorobenzene	108-90-7	0.093	0.1	1.1	Y	0.1127	01/21/14
1,1,1,2-Tetrachloroethane	630-20-6	0.096	0.1	1.0	Y	0.1196	01/21/14
Ethylbenzene	100-41-4	0.095	0.1	1.1	Y	0.1293	01/21/14
m&p-Xylene	179601-23-1	0.200	0.2	1.0	Y	0.2358	01/21/14
o-Xylene	95-47-6	0.092	0.1	1.1	Y	0.1192	01/21/14
Xylenes, Total	1330-20-7	0.290	0.3	1.0	Y	0.3550	01/21/14
Styrene	100-42-5	0.075	0.1	1.3	Y	0.1151	01/21/14
Bromoform	75-25-2	0.067	0.1	1.5	Y	0.0816	01/21/14
Bromobenzene	108-86-1	0.083	0.1	1.2	Y	0.1129	01/21/14
1,1,2,2-Tetrachloroethane	79-34-5	0.078	0.1	1.3	Y	0.1138	01/21/14
1,2,3-Trichloropropane	96-18-4	0.096	0.1	1.0	Y	0.0875	01/21/14
4-Chlorotoluene	106-43-4	0.096	0.1	1.0	Y	0.1215	01/21/14
1,3,5-Trimethylbenzene	108-67-8	0.098	0.1	1.0	Y	0.1322	01/21/14
tert-Butylbenzene	98-06-6	0.089	0.1	1.1	Y	0.1243	01/21/14
Pentachloroethane	76-01-7	0.089	0.1	1.1	Y	0.1262	01/21/14
sec-Butylbenzene	135-98-8	0.090	0.1	1.1	Y	0.1355	01/21/14

Limit of Detection (LOD) Verification Report

TEST METHOD:	524.2	**Prep Date:**	01/21/14	**Instrument:**	
PREP METHOD:	524.2	**Initial Amount:**	5 mL		
CLEANUP METHOD(s):	NA	**Final Amount:**	5 mL	**L**	
MATRIX:	Water	**LOD Ref:**	LOD1	**DB-624**	

ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed
p-Isopropyltoluene	99-87-6	0.090	0.1	1.1	Y	0.1610	01/21/14
1,4-Dichlorobenzene	106-46-7	0.098	0.1	1.0	Y	0.1181	01/21/14
1,2-Dichlorobenzene	95-50-1	0.081	0.1	1.2	Y	0.1095	01/21/14
1,2-Dibromo-3-Chloropropane	96-12-8	0.099	0.1	1.0	Y	0.0964	01/21/14
1,3,5-Trichlorobenzene	108-70-3	0.099	0.1	1.0	Y	0.0880	01/21/14
1,2,4-Trichlorobenzene	120-82-1	0.083	0.1	1.2	Y	0.0451	01/21/14
Hexachlorobutadiene	87-68-3	0.089	0.1	1.1	Y	0.1312	01/21/14
Naphthalene	91-20-3	0.062	0.1	1.6	Y	0.0617	01/21/14

Limit of Detection (LOD) Verification Report

TEST METHOD:	524.2	**Prep Date:**	01/21/14	**Instrument:**	
PREP METHOD:	524.2	**Initial Amount:**	5 mL		
CLEANUP METHOD(s):	NA	**Final Amount:**	5 mL	**L**	
MATRIX:	Water	**LOD Ref:**	LOD2	**DB-624**	

ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed
Chloromethane	74-87-3	0.121	0.2	1.7	Y	0.3291	01/21/14
Acetone	67-64-1	0.843	1	1.2	Y	1.7442	01/21/14
Methyl iodide	74-88-4	0.126	0.2	1.6	Y	0.1797	01/21/14
Carbon disulfide	75-15-0	0.124	0.2	1.6	Y	0.2522	01/21/14
Acrylonitrile	107-13-1	0.161	0.2	1.2	Y	0.1356	01/21/14
2,2-Dichloropropane	594-20-7	0.158	0.2	1.3	Y	0.4111	01/21/14
Methyl acrylate	96-33-3	0.129	0.2	1.5	Y	0.1077	01/21/14
Methacrylonitrile	126-98-7	0.081	0.2	2.5	Y	0.1661	01/21/14
Tetrahydrofuran	109-99-9	0.516	1	1.9	Y	1.1486	01/21/14
Carbon tetrachloride	56-23-5	0.118	0.2	1.7	Y	0.2126	01/21/14
1,1-Dichloropropene	563-58-6	0.117	0.2	1.7	Y	0.2442	01/21/14
Benzene	71-43-2	0.101	0.2	2.0	Y	0.2477	01/21/14
Trichloroethene	79-01-6	0.103	0.2	1.9	Y	0.2350	01/21/14
cis-1,3-Dichloropropene	10061-01-5	0.121	0.2	1.7	Y	0.2774	01/21/14
Isopropylbenzene	98-82-8	0.104	0.2	1.9	Y	0.2467	01/21/14
trans-1,4-Dichloro-2-butene	110-57-6	0.122	0.2	1.6	Y	0.1697	01/21/14
n-Propylbenzene	103-65-1	0.101	0.2	2.0	Y	0.2191	01/21/14
2-Chlorotoluene	95-49-8	0.100	0.2	2.0	Y	0.2203	01/21/14
1,2,4-Trimethylbenzene	95-63-6	0.101	0.2	2.0	Y	0.2444	01/21/14
1,3-Dichlorobenzene	541-73-1	0.108	0.2	1.9	Y	0.2101	01/21/14
n-Butylbenzene	104-51-8	0.126	0.2	1.6	Y	0.2392	01/21/14
Hexachloroethane	67-72-1	0.120	0.2	1.7	Y	0.2314	01/21/14
Nitrobenzene	98-95-3	3.591	10.2	2.8	Y	3.1393	01/21/14
1,2,3-Trichlorobenzene	87-61-6	0.103	0.2	1.9	Y	0.1230	01/21/14

Limit of Detection (LOD) Verification Report

TEST METHOD:	524.2	**Prep Date:**	01/21/14	**Instrument:**	
PREP METHOD:	524.2	**Initial Amount:**	5 mL		
CLEANUP METHOD(s):	NA	**Final Amount:**	5 mL	**L**	
MATRIX:	Water	**LOD Ref:**	LOD3	**DB-624**	

ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed
Bromomethane	74-83-9	0.204	0.4	2.0	Y	0.5695	01/21/14
Chloroethane	75-00-3	0.223	0.4	1.8	Y	0.4146	01/21/14
Methyl methacrylate	80-62-6	0.255	0.4	1.6	Y	0.5629	01/21/14

Limit of Quantitation (LOQ) Verification Report

TEST METHOD:	524.2		**Prep Date:**		02/17/14			**Instrument(s):**	
PREP METHOD:	524.2		**Initial Amount:**		5 mL			**L**	
CLEANUP METHOD(s):	NA		**Final Amount:**		5 mL			**DB-624**	
MATRIX:	Water				**LOQ Precision & Bias**			**02/17/14**	
ANALYTE	**CAS #**	**LOQ ug/L**	**Spike ug/L**	**Spike / LOQ Ratio**	**Lower Limit**	**Upper Limit**	**Pass Y/N**	**Result ug/L**	**%R**
Dichlorodifluoromethane	75-71-8	0.5	0.50	1.0	50	150	Y	0.5342	107
Chloromethane	74-87-3	0.5	0.50	1.0	50	150	Y	0.4484	90
Vinyl chloride	75-01-4	0.5	0.50	1.0	50	150	Y	0.5161	103
Bromomethane	74-83-9	0.5	0.50	1.0	50	150	Y	0.4940	99
Chloroethane	75-00-3	0.5	0.50	1.0	50	150	Y	0.5200	104
Trichlorofluoromethane	75-69-4	0.5	0.50	1.0	50	150	Y	0.5559	111
Diethyl ether	60-29-7	0.5	0.50	1.0	50	150	Y	0.5572	111
1,1-Dichloroethene	75-35-4	0.5	0.50	1.0	50	150	Y	0.5700	114
Acetone	67-64-1	5	2.5	0.5	50	150	Y	3.1641	127
Methyl iodide	74-88-4	0.5	0.50	1.0	50	150	Y	0.2834	57
Carbon disulfide	75-15-0	0.5	0.50	1.0	50	150	Y	0.5953	119
Allyl chloride	107-05-1	0.5	0.50	1.0	50	150	Y	0.5192	104
Methylene Chloride	75-09-2	0.5	0.50	1.0	50	150	Y	0.5960	119
t-Butyl alcohol	75-65-0	50	50	1.0	50	150	Y	54.2839	109
Acrylonitrile	107-13-1	0.5	0.50	1.0	50	150	Y	0.4674	93
trans-1,2-Dichloroethene	156-60-5	0.5	0.50	1.0	50	150	Y	0.5394	108
Methyl t-butyl ether	1634-04-4	0.5	0.50	1.0	50	150	Y	0.5491	110
1,1-Dichloroethane	75-34-3	0.5	0.50	1.0	50	150	Y	0.5872	117
cis-1,2-Dichloroethene	156-59-2	0.5	0.50	1.0	50	150	Y	0.5627	113
2,2-Dichloropropane	594-20-7	0.5	0.50	1.0	50	150	Y	0.6779	136
2-Butanone	78-93-3	5	2.5	0.5	50	150	Y	2.0721	83
Propionitrile	107-12-0	25	25	1.0	50	150	Y	23.8058	95
Methyl acrylate	96-33-3	0.5	0.50	1.0	50	150	Y	0.3935	79
Methacrylonitrile	126-98-7	0.5	0.50	1.0	50	150	Y	0.6066	121
Bromochloromethane	74-97-5	0.5	0.50	1.0	50	150	Y	0.5998	120
Tetrahydrofuran	109-99-9	2.5	2.5	1.0	50	150	Y	2.6775	107
Chloroform	67-66-3	0.5	0.50	1.0	50	150	Y	0.5543	111
1,1,1-Trichloroethane	71-55-6	0.5	0.50	1.0	50	150	Y	0.5459	109
1-Chlorobutane	109-69-3	0.5	0.50	1.0	50	150	Y	0.5666	113
Carbon tetrachloride	56-23-5	0.5	0.50	1.0	50	150	Y	0.5292	106
1,1-Dichloropropene	563-58-6	0.5	0.50	1.0	50	150	Y	0.5782	116
Benzene	71-43-2	0.5	0.50	1.0	50	150	Y	0.5736	115
1,2-Dichloroethane	107-06-2	0.5	0.50	1.0	50	150	Y	0.5407	108
Trichloroethene	79-01-6	0.5	0.50	1.0	50	150	Y	0.5523	110
1,2-Dichloropropane	78-87-5	0.5	0.50	1.0	50	150	Y	0.5515	110
Dibromomethane	74-95-3	0.5	0.50	1.0	50	150	Y	0.5427	109
Methyl methacrylate	80-62-6	0.5	0.50	1.0	50	150	Y	0.7401	148
Bromodichloromethane	75-27-4	0.5	0.50	1.0	50	150	Y	0.5513	110
2-Nitropropane	79-46-9	10	10	1.0	50	150	Y	10.0804	101
Chloroacetonitrile	107-14-2	25	25	1.0	50	150	Y	24.8011	99
cis-1,3-Dichloropropene	10061-01-5	0.5	0.50	1.0	50	150	Y	0.5980	120
4-Methyl-2-pentanone (MIBK)	108-10-1	2.5	2.5	1.0	50	150	Y	2.6480	106
1,1-Dichloropropanone	513-88-2	10	10	1.0	50	150	Y	11.4221	114
Toluene	108-88-3	0.5	0.50	1.0	50	150	Y	0.5257	105
trans-1,3-Dichloropropene	10061-02-6	0.5	0.50	1.0	50	150	Y	0.5464	109
Ethyl methacrylate	97-63-2	0.5	0.50	1.0	50	150	Y	0.5375	107
1,1,2-Trichloroethane	79-00-5	0.5	0.50	1.0	50	150	Y	0.5374	107
Tetrachloroethene	127-18-4	0.5	0.50	1.0	50	150	Y	0.5467	109
1,3-Dichloropropane	142-28-9	0.5	0.50	1.0	50	150	Y	0.5357	107
2-Hexanone	591-78-6	2.5	2.5	1.0	50	150	Y	2.5918	104
Dibromochloromethane	124-48-1	0.5	0.50	1.0	50	150	Y	0.5097	102

Limit of Quantitation (LOQ) Verification Report

TEST METHOD:	524.2	**Prep Date:**	02/17/14	**Instrument(s):**	
PREP METHOD:	524.2	**Initial Amount:**	5 mL	**L**	
CLEANUP METHOD(s):	NA	**Final Amount:**	5 mL	**DB-624**	
MATRIX:	Water		**LOQ Precision & Bias**	**02/17/14**	

ANALYTE	CAS #	LOQ ug/L	Spike ug/L	Spike / LOQ Ratio	Lower Limit	Upper Limit	Pass Y/N	Result ug/L	%R
1,2-Dibromoethane	106-93-4	0.5	0.50	1.0	50	150	Y	0.4918	98
Chlorobenzene	108-90-7	0.5	0.50	1.0	50	150	Y	0.5298	106
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.50	1.0	50	150	Y	0.5011	100
Ethylbenzene	100-41-4	0.5	0.50	1.0	50	150	Y	0.5317	106
m&p-Xylene	179601-23-1	0.5	1.0	2.0	50	150	Y	1.0531	105
o-Xylene	95-47-6	0.5	0.50	1.0	50	150	Y	0.5382	108
Xylenes, Total	1330-20-7	0.5	1.5	3.0	50	150	Y	1.5913	106
Styrene	100-42-5	0.5	0.50	1.0	50	150	Y	0.5157	103
Bromoform	75-25-2	0.5	0.50	1.0	50	150	Y	0.4953	99
Isopropylbenzene	98-82-8	0.5	0.50	1.0	50	150	Y	0.5339	107
Bromobenzene	108-86-1	0.5	0.50	1.0	50	150	Y	0.5070	101
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.50	1.0	50	150	Y	0.5237	105
1,2,3-Trichloropropane	96-18-4	0.5	0.50	1.0	50	150	Y	0.4838	97
trans-1,4-Dichloro-2-butene	110-57-6	0.5	0.50	1.0	50	150	Y	0.5152	103
n-Propylbenzene	103-65-1	0.5	0.50	1.0	50	150	Y	0.4994	100
2-Chlorotoluene	95-49-8	0.5	0.50	1.0	50	150	Y	0.5529	111
4-Chlorotoluene	106-43-4	0.5	0.50	1.0	50	150	Y	0.5568	111
1,3,5-Trimethylbenzene	108-67-8	0.5	0.50	1.0	50	150	Y	0.5599	112
tert-Butylbenzene	98-06-6	0.5	0.50	1.0	50	150	Y	0.5375	107
Pentachloroethane	76-01-7	0.5	0.50	1.0	50	150	Y	0.5050	101
1,2,4-Trimethylbenzene	95-63-6	0.5	0.50	1.0	50	150	Y	0.5742	115
sec-Butylbenzene	135-98-8	0.5	0.50	1.0	50	150	Y	0.5644	113
1,3-Dichlorobenzene	541-73-1	0.5	0.50	1.0	50	150	Y	0.5290	106
p-Isopropyltoluene	99-87-6	0.5	0.50	1.0	50	150	Y	0.5916	118
1,4-Dichlorobenzene	106-46-7	0.5	0.50	1.0	50	150	Y	0.5737	115
1,2-Dichlorobenzene	95-50-1	0.5	0.50	1.0	50	150	Y	0.5116	102
n-Butylbenzene	104-51-8	0.5	0.50	1.0	50	150	Y	0.6165	123
Hexachloroethane	67-72-1	0.5	0.50	1.0	50	150	Y	0.5361	107
1,2-Dibromo-3-Chloropropane	96-12-8	0.5	0.50	1.0	50	150	Y	0.5277	106
Nitrobenzene	98-95-3	25	25	1.0	50	150	Y	18.9671	76
1,3,5-Trichlorobenzene	108-70-3	0.5	0.50	1.0	50	150	Y	0.5257	105
1,2,4-Trichlorobenzene	120-82-1	0.5	0.50	1.0	50	150	Y	0.4822	96
Hexachlorobutadiene	87-68-3	0.5	0.50	1.0	50	150	Y	0.5327	107
Naphthalene	91-20-3	0.5	0.50	1.0	50	150	Y	0.4338	87
1,2,3-Trichlorobenzene	87-61-6	0.5	0.50	1.0	50	150	Y	0.4852	97

Pass = %R within 50-150%.

LOQ Precision and Bias present the calculated LCL and UCL and STD DEV from the LOQ Study and is provided for DoD QSM purposes.

Detection Limit (DL), Limit of Detection (LOD) & Limit of Quantitation (LOQ) Summary

Test Method:	EPA 504.1		**Matrix:**	Water	**QA Review:**	Sara Goff	
Prep Method:	EPA 504.1		**Instrument:**	0911	**Date Approved:**	9/2/2014	
Cleanup Method(s):	NA		**TALS Job:**	22232	**TALS Entry:**	9/2/2014	
ANALYTE	**CAS #**	**DL ug/L**	**LOD ug/L**	**LOD Reference**	**LOQ ug/L**	**LOD/DL Ratio**	**LOQ/LOD Ratio**
1,2-Dibromoethane	106-93-4	0.0016	0.0051	MDLV1	0.01	3.2	1.9
1,2-Dibromo-3-Chloropropane	96-12-8	0.0026	0.0051	MDLV1	0.01	2.0	1.9
1,2,3-Trichloropropane	96-18-4	0.0028	0.0051	MDLV1	0.02	1.8	3.9

Note:For dual column methods, the DL is set to highest calculated DL between columns.

Method Detection Limit (MDL) Study Report

Test Method:	EPA 504.1	**Prep Date:**	07/16/14	**Student t:**	3.143
Prep Method:	EPA 504.1	**Initial Amount:**	35 mL		
Cleanup Method(s):	NA	**Final Amount:**	2 mL		
Matrix:	Water	**Batch:**	74992		

	Column Type:		**RTX-CLP**			**Instrument ID:**		**0911**						
	Date Analyzed:		**07/17/14**	**07/17/14**	**07/17/14**	**07/17/14**	**07/17/14**	**07/17/14**	**07/17/14**					
	Rep ID:		**1**	**2**	**3**	**4**	**5**	**6**	**7**					
ANALYTE	**CAS #**	**Spike ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**Mean ug/L**	**Average %R**	**STD DEV**	**DL ug/L**	**Spike/DL Ratio**
1,2-Dibromoethane	106-93-4	0.00286	0.0040598	0.0037571	0.0033412	0.0039287	0.0039387	0.0047873	0.0033006	0.0039	135%	0.00050	0.00157	1.8
1,2-Dibromo-3-Chloropropane	96-12-8	0.00286	0.0032161	0.0031428	0.0031438	0.0034485	0.0033091	0.0035795	0.0034585	0.0033	116%	0.00017	0.00054	5.3
1,2,3-Trichloropropane	96-18-4	0.00286	0.0043607	0.0026855	0.0028147	0.0034101	0.0026831	0.0026669	0.0019857	0.0029	103%	0.00075	0.00236	1.2

Method Detection Limit (MDL) Study Report

Test Method:	EPA 504.1	**Prep Date:**	07/16/14	**Student t:**	3.143
Prep Method:	EPA 504.1	**Initial Amount:**	35 mL		
Cleanup Method(s):	NA	**Final Amount:**	2 mL		
Matrix:	Water	**Batch:**	74992		

	Column Type:		**RTX-CLPII**			**Instrument ID:**		**0911**						
	Date Analyzed:		**07/17/14**	**07/17/14**	**07/17/14**	**07/17/14**	**07/17/14**	**07/17/14**	**07/17/14**					
	Rep ID:		**1**	**2**	**3**	**4**	**5**	**6**	**7**					
ANALYTE	**CAS #**	**Spike ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**Mean ug/L**	**Average %R**	**STD DEV**	**DL ug/L**	**Spike/DL Ratio**
1,2-Dibromoethane	106-93-4	0.00286	0.0061514	0.0064975	0.0064191	0.0062317	0.0060223	0.0062943	0.00623	0.0063	219%	0.00016	0.00050	5.7
1,2-Dibromo-3-Chloropropane	96-12-8	0.00286	0.0034312	0.0053708	0.0055618	0.0055599	0.0058708	0.0055709	0.0055233	0.0053	184%	0.00082	0.00259	1.1
1,2,3-Trichloropropane	96-18-4	0.00286	0.0038118	0.0076542	0.0045207	0.0056356	0.0049415	0.005248	0.0053061	0.0053	185%	0.00120	0.00376	0.8

Method Detection Limit (MDL) Study Report

Test Method:	EPA 504.1	**Prep Date:**	07/16/14	**Student t:**	3.143
Prep Method:	EPA 504.1	**Initial Amount:**	35 mL		
Cleanup Method(s):	NA	**Final Amount:**	2 mL		
Matrix:	Water	**Batch:**	74992		

	Column Type:		**RTX-CLP**			**Instrument ID:**		**0911**						
	Date Analyzed:		**07/17/14**	**07/17/14**	**07/17/14**	**07/17/14**	**07/17/14**	**07/17/14**	**07/17/14**					
	Rep ID:		**1**	**2**	**3**	**4**	**5**	**6**	**7**					
ANALYTE	**CAS #**	**Spike ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**Mean ug/L**	**Average %R**	**STD DEV**	**DL ug/L**	**Spike/DL Ratio**
1,2-Dibromoethane	106-93-4	0.00514	0.0060093	0.0056819	0.0052424	0.0062398	0.0060189	0.005576	0.0064063	0.0059	114%	0.00040	0.00127	4.0
1,2-Dibromo-3-Chloropropane	96-12-8	0.00514	0.0056948	0.0033388	0.0037096	0.0034291	0.0036203	0.0037774	0.0034414	0.0039	75%	0.00083	0.00259	2.0
1,2,3-Trichloropropane	96-18-4	0.00514	0.0048885	0.0027808	0.0028033	0.0044385	0.0025917	0.0035167	0.0036611	0.0035	69%	0.00088	0.00277	1.9

Method Detection Limit (MDL) Study Report

Test Method:	EPA 504.1	**Prep Date:**	07/16/14	**Student t:**	3.143
Prep Method:	EPA 504.1	**Initial Amount:**	35 mL		
Cleanup Method(s):	NA	**Final Amount:**	2 mL		
Matrix:	Water	**Batch:**	74992		

	Column Type:		**RTX-CLPII**			**Instrument ID:**		**0911**						
	Date Analyzed:		**07/17/14**	**07/17/14**	**07/17/14**	**07/17/14**	**07/17/14**	**07/17/14**	**07/17/14**					
	Rep ID:		**1**	**2**	**3**	**4**	**5**	**6**	**7**					
ANALYTE	**CAS #**	**Spike ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**Mean ug/L**	**Average %R**	**STD DEV**	**DL ug/L**	**Spike/DL Ratio**
1,2-Dibromoethane	106-93-4	0.00514	0.0083497	0.007986	0.0080473	0.0066424	0.0071066	0.0080559	0.0083076	0.0078	151%	0.00065	0.00205	2.5
1,2-Dibromo-3-Chloropropane	96-12-8	0.00514	0.0058799	0.0060311	0.005799	0.0057871	0.0058337	0.0058316	0.0057783	0.0058	114%	0.00009	0.00028	18.7
1,2,3-Trichloropropane	96-18-4	0.00514	0.0051145	0.0046559	0.0054493	0.0055846	0.0057309	0.0054035	0.0053172	0.0053	104%	0.00035	0.00111	4.6

Limit of Detection (LOD) Verification Report

Test Method:	EPA 504.1	**Prep Date:**	07/29/14	**Instrument ID:**	
Prep Method:	EPA 504.1	**Initial Amount:**	35 mL	**0911**	
Cleanup Method(s):	NA	**Final Amount:**	2 mL	**Column ID:**	
Matrix:	Water	**MDLV # :**	MDLV1	**RTX-CLP**	

ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed
1,2-Dibromoethane	106-93-4	0.0016	0.00514	3.3	Y	0.0057731	07/29/14
1,2-Dibromo-3-Chloropropane	96-12-8	0.0026	0.00514	2.0	Y	0.0055433	07/29/14
1,2,3-Trichloropropane	96-18-4	0.0028	0.00514	1.9	Y	0.0061023	07/29/14

Limit of Detection (LOD) Verification Report

Test Method:	EPA 504.1	**Prep Date:**	07/16/14	**Instrument ID:**	
Prep Method:	EPA 504.1	**Initial Amount:**	35 mL	**0911**	
Cleanup Method(s):	NA	**Final Amount:**	2 mL	**Column ID:**	
Matrix:	Water	**MDLV # :**	MDLV1	**RTX-CLPII**	

ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed
1,2-Dibromoethane	106-93-4	0.0016	0.00514	3.3	Y	0.0057817	07/29/14
1,2-Dibromo-3-Chloropropane	96-12-8	0.0026	0.00514	2.0	Y	0.0059423	07/29/14
1,2,3-Trichloropropane	96-18-4	0.0028	0.00514	1.9	Y	0.0070391	07/29/14

Limit of Quantitation (LOQ) Verification Report

Test Method:	EPA 504.1		**Prep Date:**	07/16/14			**Instrument:**			**Instrument:**		
Prep Method:	EPA 504.1		**Initial Amount:**	35 mL			**0911**			**0911**		
Cleanup Method(s):	NA		**Final Amount:**	2 mL			**Column ID:**			**Column ID:**		
Matrix:	Water		**LOQ # :**	MDLV2			**RTX-CLP**			**RTX-CLPII**		
					Evaluation Limits		**Date Analyzed:**		**07/17/14**	**Date Analyzed:**		**07/17/14**
ANALYTE	**CAS #**	**LOQ ug/L**	**Spike ug/L**	**Spike / LOQ Ratio**	**Lower Limit**	**Upper Limit**	**Pass Y/N**	**Result ug/L**	**%R**	**Pass Y/N**	**Result ug/L**	**%R**
1,2-Dibromoethane	106-93-4	0.01	0.01	1.0	50%	150%	Y	0.010766891	108%	Y	0.012670187	127%
1,2-Dibromo-3-Chloropropane	96-12-8	0.01	0.01	1.0	50%	150%	Y	0.011101882	111%	Y	0.011426535	114%

Limit of Quantitation (LOQ) Verification Report

Test Method:	EPA 504.1		**Prep Date:**	07/29/14			**Instrument:**			**Instrument:**		
Prep Method:	EPA 504.1		**Initial Amount:**	35 mL			**0911**			**0911**		
Cleanup Method(s):	NA		**Final Amount:**	2 mL			**Column ID:**			**Column ID:**		
Matrix:	Water		**LOQ # :**	MDLV2			**RTX-CLP**			**RTX-CLPII**		
					Evaluation Limits		**Date Analyzed:**		**07/29/14**	**Date Analyzed:**		**07/29/14**
ANALYTE	**CAS #**	**LOQ ug/L**	**Spike ug/L**	**Spike / LOQ Ratio**	**Lower Limit**	**Upper Limit**	**Pass Y/N**	**Result ug/L**	**%R**	**Pass Y/N**	**Result ug/L**	**%R**
1,2,3-Trichloropropane	96-18-4	0.02	0.02	1.0	50%	150%	Y	0.020716481	104%	Y	0.022148086	111%

Detection Limit (DL), Limit of Detection (LOD) & Limit of Quantitation (LOQ) Summary

TEST METHOD:	EPA 331.0		**MATRIX:**	Water	**QA Review:**	Sara Goff	
PREP METHOD:	EPA 331.0		**Instrument:**	3062	**Date Approved:**	6/10/2014	
CLEANUP METHOD(s):	NA		**TALS Job:**	21984	**TALS Entry:**	6/18/2014	
ANALYTE	**CAS #**	**DL mg/L**	**LOD mg/L**	**LOD Reference**	**LOQ mg/L**	**LOD/DL Ratio**	**LOQ/LOD Ratio**
Perchlorate	14797-73-0	0.017	0.024	LOD1	0.2	1.5	8.3

Method Detection Limit (MDL) Study Report

TEST METHOD:	EPA 331.0		**Prep Date:**	06/05/14			**Student t:**	3.143						
PREP METHOD:	EPA 331.0		**Initial Amount:**	10 mL										
CLEANUP METHOD(s):	NA		**Final Amount:**	10 mL										
MATRIX:	Water		**Batch:**	73119										
	Column Type:		**IC Pak Anion HR**				**Instrument ID:**		**3062**					
	Date Analyzed:		**06/05/14**	**06/05/14**	**06/05/14**	**06/05/14**	**06/05/14**	**06/05/14**	**06/05/14**					
	Rep ID:		**REP 1**	**REP 2**	**REP 3**	**REP 4**	**REP 5**	**REP 6**	**REP 7**					
ANALYTE	**CAS #**	**Spike mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Mean mg/L**	**Average %R**	**STD DEV**	**DL mg/L**	**Spike/DL Ratio**
Perchlorate	14797-73-0	0.05	0.0566247	0.053139	0.053662	0.0499904	0.0637551	0.0626945	0.0605824	0.0572	114%	0.00526	0.01653	3.0

Limit of Detection (LOD) Verification Report

TEST METHOD:	EPA 331.0	**Prep Date:**	06/05/14	**Instrument ID:**	
PREP METHOD:	EPA 331.0	**Initial Amount:**	10 mL	**3062**	
CLEANUP METHOD(s):	NA	**Final Amount:**	10 mL	**Column ID:**	
MATRIX:	Water	**MDLV # :**	LOD1	**IC Pak Anion HR**	

ANALYTE	CAS #	DL mg/L	Spike mg/L	Spike/DL Ratio	Pass Y/N	Result mg/L	Date Analyzed
Perchlorate	14797-73-0	0.017	0.024	1.5	Y	0.0380179	06/05/14

Limit of Quantitation (LOQ) Verification Report

TEST METHOD:	EPA 331.0		**Prep Date:**	06/05/14			**Instrument:**		
PREP METHOD:	EPA 331.0		**Initial Amount:**	10 mL			**3062**		
CLEANUP METHOD(s):	NA		**Final Amount:**	10 mL			**Column ID:**		
MATRIX:	Water		**LOQ # :**	LOQ1			**IC Pak Anion HR**		
					Evaluation Limits		**Date Analyzed:**		**06/05/14**
ANALYTE	**CAS #**	**LOQ mg/L**	**Spike mg/L**	**Spike / LOQ Ratio**	**Lower Limit**	**Upper Limit**	**Pass Y/N**	**Result mg/L**	**%R**
Perchlorate	14797-73-0	0.2	0.2	1.0	50%	150%	Y	0.215098799	108%

Detection Limit (DL), Limit of Detection (LOD) and Limit of Quantitation (LOQ) Summary

TEST METHOD:	SW846 7470A & EPA 245.1		**MATRIX:**	Water	**QA Review:**	Sara Goff	
PREP METHOD:	SW846 7470A & EPA 245.1		**Instrument(s):**	MEPCV3II	**Date Approved:**	3/18/2014	
CLEANUP METHOD(s):	NA		**TALS JOB:**	16536 & 20498	**TALS Entry Date:**	3/18/2014	
ANALYTE	**CAS #**	**DL ug/L**	**LOD ug/L**	**LOD Reference**	**LOQ ug/L**	**LOD/DL Ratio**	**LOQ/LOD Ratio**
Mercury	7439-97-6	0.034	0.10	MDLV	0.20	2.9	2.0

Detection Limit (DL) Study Report

TEST METHOD:	SW846 7470A & EPA 245.1	**Prep Date:**	10/31/13
PREP METHOD:	SW846 7470A & EPA 245.1	**Initial Amount:**	50 mL
CLEANUP METHOD(s):	NA	**Final Amount:**	50 mL
MATRIX:	Water	**TALS Batch:**	63588

	Date Analyzed:		**10/31/13**	**10/31/13**	**10/31/13**	**10/31/13**	**10/31/13**	**10/31/13**	**10/31/13**					
	Instrument ID:		**METCV3II**	**METCV3II**	**METCV3II**	**METCV3II**	**METCV3II**	**METCV3II**	**METCV3II**					
	Column Type:		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**					
ANALYTE	**CAS #**	**Spike ug/L**	**REP 1 ug/L**	**REP 2 ug/L**	**REP 3 ug/L**	**REP 4 ug/L**	**REP 5 ug/L**	**REP 6 ug/L**	**REP 7 ug/L**	**Mean ug/L**	**Average %R**	**STD DEV**	**DL ug/L**	**Spike/DL Ratio**
Mercury	7439-97-6	0.15	0.159	0.187	0.185	0.188	0.173	0.17	0.18	0.177	118%	0.01066	0.0335	4.5

Limit of Detection (LOD) Report

TEST METHOD:	SW846 7470A & EPA 245.1		**Prep Date:**	10/31/13		**Instrument:**	
PREP METHOD:	SW846 7470A & EPA 245.1		**Initial Amount:**	50 mL		METCV3II	
CLEANUP METHOD(s):	NA		**Final Amount:**	50 mL		**TALS Batch:**	
MATRIX:	Water					63602	
ANALYTE	**CAS #**	**DL ug/L**	**Spike ug/L**	**Spike/DL Ratio**	**Pass Y/N**	**Result ug/L**	**Date Analyzed**
Mercury	7439-97-6	0.034	0.100	2.9	Y	0.073	10/31/13

Limit of Quantitation (LOQ) Verification Report

TEST METHOD:	SW846 7470A & EPA 245.1		**Prep Date:**	01/29/14				**Instrument(s):**	
PREP METHOD:	SW846 7470A & EPA 245.1		**Initial Amount:**	50 mL				**METCV3II**	
CLEANUP METHOD(s):	NA		**Final Amount:**	50 mL				**TALS Batch**	
MATRIX:	Water				**LOQ Precison and Bias**			**67875**	
ANALYTE	**CAS #**	**LOQ ug/L**	**Spike ug/L**	**Spike / LOQ Ratio**	**Limits %R**	**RPD**	**Pass Y/N**	**Result ug/L**	**%R**
Mercury	7429-90-5	0.200	0.200	1.0	80-120	20	Y	0.2020	101%

Pass= %R 50-150

LOQ Precision and Bias: Estimated precision and bias at limit of quantitation

Method 524.2

Volatile Organic Compounds (GC/MS) by Method 524.2

GC/MS VOA TRIPLICATE SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Matrix: Water Level: Low Lab File ID: lkrb09.d

Lab ID: 200-24551-10 TRL Client ID: PW-52 TRL

COMPOUND	SAMPLE CONC. (ug/L)	DUPLICATE CONC. (ug/L)	TRIPLICATE CONC. (ug/L)	%RSD	%RSD LIMIT	#
Dichlorodifluoromethane	2.1 U	2.1 U	2.1 U	NC		*
Chloromethane	2.1 U	2.1 U	2.1 U	NC		*
Vinyl chloride	2.1 U	2.1 U	2.1 U	NC		*
Bromomethane	2.1 U	2.1 U	2.1 U	NC		*
Chloroethane	2.1 U	2.1 U	2.1 U	NC		
Trichlorofluoromethane	2.1 U	2.1 U	2.1 U	NC		
Diethyl ether	2.1 U	2.1 U	2.1 U	NC		
1,1-Dichloroethene	2.1 U	2.1 U	2.1 U	NC		
Acetone	21 U	21 U	21 U	NC		*
Methyl iodide	2.1 U	2.1 U	2.1 U	NC		
Carbon disulfide	2.1 U	2.1 U	2.1 U	NC		
Allyl chloride	2.1 U	2.1 U	2.1 U	NC		
Methylene Chloride	2.1 U	2.1 U	2.1 U	NC		*
Acrylonitrile	2.1 U	2.1 U	2.1 U	NC		
t-Butyl alcohol	210 U	210 U	210 U	NC		
trans-1,2-Dichloroethene	2.1 U	2.1 U	2.1 U	NC		
Methyl t-butyl ether	2.1 U	2.1 U	2.1 U	NC		
1,1-Dichloroethane	2.1 U	2.1 U	2.1 U	NC		
cis-1,2-Dichloroethene	79	78.7	75.6	2		
2,2-Dichloropropane	2.1 U	2.1 U	2.1 U	NC		
2-Butanone	21 U	21 U	21 U	NC		
Propionitrile	110 U	110 U	110 U	NC		
Methyl acrylate	2.1 U	2.1 U	2.1 U	NC		
Methacrylonitrile	2.1 U	2.1 U	2.1 U	NC		
Bromochloromethane	2.1 U	2.1 U	2.1 U	NC		
Tetrahydrofuran	11 U	11 U	11 U	NC		
Chloroform	2.1 U	2.1 U	2.1 U	NC		
1,1,1-Trichloroethane	2.1 U	2.1 U	2.1 U	NC		
1-Chlorobutane	2.1 U	2.1 U	2.1 U	NC		
Carbon tetrachloride	2.1 U	2.1 U	2.1 U	NC		
1,1-Dichloropropene	2.1 U	2.1 U	2.1 U	NC		
Benzene	2.1 U	2.1 U	2.1 U	NC		
1,2-Dichloroethane	2.1 U	2.1 U	2.1 U	NC		
Trichloroethene	19	18.8	17.4	3		
1,2-Dichloropropane	2.1 U	2.1 U	2.1 U	NC		
Dibromomethane	2.1 U	2.1 U	2.1 U	NC		
Methyl methacrylate	2.1 U	2.1 U	2.1 U	NC		
Bromodichloromethane	2.1 U	2.1 U	2.1 U	NC		
2-Nitropropane	42 U	42 U	42 U	NC		
Chloroacetonitrile	110 U	110 U	110 U	NC		
cis-1,3-Dichloropropene	2.1 U	2.1 U	2.1 U	NC		
4-Methyl-2-pentanone (MIBK)	11 U	11 U	11 U	NC		
1,1-Dichloro-2-propanone	42 U	42 U	42 U	NC		

Column to be used to flag %RSD values

524.2

GC/MS VOA TRIPLICATE SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Matrix: Water Level: Low Lab File ID: lkrb09.d

Lab ID: 200-24551-10 TRL Client ID: PW-52 TRL

COMPOUND	SAMPLE CONC. (ug/L)	DUPLICATE CONC. (ug/L)	TRIPLICATE CONC. (ug/L)	%RSD	%RSD LIMIT	#
Toluene	2.1 U	2.1 U	2.1 U	NC		
trans-1,3-Dichloropropene	2.1 U	2.1 U	2.1 U	NC		
Ethyl methacrylate	2.1 U	2.1 U	2.1 U	NC		
1,1,2-Trichloroethane	2.1 U	2.1 U	2.1 U	NC		
Tetrachloroethene	2.1 U	2.1 U	2.1 U	NC		
1,3-Dichloropropane	2.1 U	2.1 U	2.1 U	NC		
2-Hexanone	11 U	11 U	11 U	NC		
Dibromochloromethane	2.1 U	2.1 U	2.1 U	NC		
1,2-Dibromoethane	2.1 U	2.1 U	2.1 U	NC		
Chlorobenzene	2.1 U	2.1 U	2.1 U	NC		
1,1,1,2-Tetrachloroethane	2.1 U	2.1 U	2.1 U	NC		
Ethylbenzene	2.1 U	2.1 U	2.1 U	NC		
m&p-Xylene	2.1 U	2.1 U	2.1 U	NC		
o-Xylene	2.1 U	2.1 U	2.1 U	NC		
Styrene	2.1 U	2.1 U	2.1 U	NC		
Bromoform	2.1 U	2.1 U	2.1 U	NC		
Isopropylbenzene	2.1 U	2.1 U	2.1 U	NC		
Bromobenzene	2.1 U	2.1 U	2.1 U	NC		
1,1,2,2-Tetrachloroethane	2.1 U	2.1 U	2.1 U	NC		
1,2,3-Trichloropropane	2.1 U	2.1 U	2.1 U	NC		
trans-1,4-Dichloro-2-butene	2.1 U	2.1 U	2.1 U	NC		
n-Propylbenzene	2.1 U	2.1 U	2.1 U	NC		
2-Chlorotoluene	2.1 U	2.1 U	2.1 U	NC		
4-Chlorotoluene	2.1 U	2.1 U	2.1 U	NC		
1,3,5-Trimethylbenzene	2.1 U	2.1 U	2.1 U	NC		
tert-Butylbenzene	2.1 U	2.1 U	2.1 U	NC		
Pentachloroethane	2.1 U	2.1 U	2.1 U	NC		
1,2,4-Trimethylbenzene	2.1 U	2.1 U	2.1 U	NC		
sec-Butylbenzene	2.1 U	2.1 U	2.1 U	NC		
1,3-Dichlorobenzene	2.1 U	2.1 U	2.1 U	NC		
p-Isopropyltoluene	2.1 U	2.1 U	2.1 U	NC		
1,4-Dichlorobenzene	2.1 U	2.1 U	2.1 U	NC		
1,2-Dichlorobenzene	2.1 U	2.1 U	2.1 U	NC		
n-Butylbenzene	2.1 U	2.1 U	2.1 U	NC		
Hexachloroethane	2.1 U	2.1 U	2.1 U	NC		
1,2-Dibromo-3-Chloropropane	2.1 U	2.1 U	2.1 U	NC		
Nitrobenzene	110 U	110 U	110 U	NC		
1,3,5-Trichlorobenzene	2.1 U	2.1 U	2.1 U	NC		
1,2,4-Trichlorobenzene	2.1 U	2.1 U	2.1 U	NC		
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	NC		
Naphthalene	2.1 U	2.1 U	2.1 U	NC		
1,2,3-Trichlorobenzene	2.1 U	2.1 U	2.1 U	NC		
Unknown	3.1	None	2.63	NaN		J

Column to be used to flag %RSD values

524.2

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Matrix: Water Level: Low Lab File ID: lkra04.d

Lab ID: LCS 200-78664/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	1.00	1.51	151	70-130	*
Chloromethane	1.00	1.53	153	70-130	*
Vinyl chloride	1.00	1.31	131	70-130	*
Bromomethane	1.00	1.37	137	70-130	*
Chloroethane	1.00	1.08	108	70-130	
Trichlorofluoromethane	1.00	1.24	124	70-130	
Diethyl ether	1.00	1.06	106	70-130	
1,1-Dichloroethene	1.00	1.12	112	70-130	
Acetone	5.00	5.55	111	70-130	
Methyl iodide	1.00	0.928	93	70-130	
Carbon disulfide	1.00	1.17	117	70-130	
Allyl chloride	1.00	0.938	94	70-130	
Methylene Chloride	1.00	1.41	141	70-130	*
Acrylonitrile	1.00	1.04	104	70-130	
t-Butyl alcohol	100	113	113	70-130	
trans-1,2-Dichloroethene	1.00	1.13	113	70-130	
Methyl t-butyl ether	1.00	1.12	112	70-130	
1,1-Dichloroethane	1.00	1.09	109	70-130	
cis-1,2-Dichloroethene	1.00	1.11	111	70-130	
2,2-Dichloropropane	1.00	1.20	120	70-130	
2-Butanone	5.00	5.05	101	70-130	
Propionitrile	51.3	53.6	104	70-130	
Methyl acrylate	1.00	1.06	106	70-130	
Methacrylonitrile	1.00	1.12	112	70-130	
Bromochloromethane	1.00	1.17	117	70-130	
Tetrahydrofuran	5.00	5.71	114	70-130	
Chloroform	1.00	1.13	113	70-130	
1,1,1-Trichloroethane	1.00	1.09	109	70-130	
1-Chlorobutane	1.00	1.01	101	70-130	
Carbon tetrachloride	1.00	1.05	105	70-130	
1,1-Dichloropropene	1.00	1.20	120	70-130	
Benzene	1.00	1.12	112	70-130	
1,2-Dichloroethane	1.00	1.07	107	70-130	
Trichloroethene	1.00	1.13	113	70-130	
1,2-Dichloropropane	1.00	1.07	107	70-130	
Dibromomethane	1.00	1.10	110	70-130	
Methyl methacrylate	1.00	1.02	102	70-130	
Bromodichloromethane	1.00	1.08	108	70-130	
2-Nitropropane	21.1	22.4	106	70-130	
Chloroacetonitrile	51.3	51.0	99	70-130	
cis-1,3-Dichloropropene	1.00	1.06	106	70-130	
4-Methyl-2-pentanone (MIBK)	5.00	5.40	108	70-130	

Column to be used to flag recovery and RPD values

FORM III 524.2

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Matrix: Water Level: Low Lab File ID: lkra04.d

Lab ID: LCS 200-78664/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloro-2-propanone	21.1	21.1	100	70-130	
Toluene	1.00	1.08	108	70-130	
trans-1,3-Dichloropropene	1.00	1.11	111	70-130	
Ethyl methacrylate	1.00	1.02	102	70-130	
1,1,2-Trichloroethane	1.00	1.08	108	70-130	
Tetrachloroethene	1.00	1.08	108	70-130	
1,3-Dichloropropane	1.00	1.07	107	70-130	
2-Hexanone	5.00	5.88	118	70-130	
Dibromochloromethane	1.00	1.07	107	70-130	
1,2-Dibromoethane	1.00	1.05	105	70-130	
Chlorobenzene	1.00	1.05	105	70-130	
1,1,1,2-Tetrachloroethane	1.00	1.05	105	70-130	
Ethylbenzene	1.00	1.08	108	70-130	
m&p-Xylene	2.00	2.11	106	70-130	
o-Xylene	1.00	1.05	105	70-130	
Styrene	1.00	1.06	106	70-130	
Bromoform	1.00	0.997	100	70-130	
Isopropylbenzene	1.00	1.05	105	70-130	
Bromobenzene	1.00	1.07	107	70-130	
1,1,2,2-Tetrachloroethane	1.00	1.04	104	70-130	
1,2,3-Trichloropropane	1.00	1.09	109	70-130	
trans-1,4-Dichloro-2-butene	1.00	0.963	96	70-130	
n-Propylbenzene	1.00	1.01	101	70-130	
2-Chlorotoluene	1.00	1.10	110	70-130	
4-Chlorotoluene	1.00	1.05	105	70-130	
1,3,5-Trimethylbenzene	1.00	1.05	105	70-130	
tert-Butylbenzene	1.00	1.00	100	70-130	
Pentachloroethane	1.00	1.01	101	70-130	
1,2,4-Trimethylbenzene	1.00	1.08	108	70-130	
sec-Butylbenzene	1.00	1.02	102	70-130	
1,3-Dichlorobenzene	1.00	1.05	105	70-130	
p-Isopropyltoluene	1.00	1.03	103	70-130	
1,4-Dichlorobenzene	1.00	0.987	99	70-130	
1,2-Dichlorobenzene	1.00	1.03	103	70-130	
n-Butylbenzene	1.00	1.02	102	70-130	
Hexachloroethane	1.00	0.958	96	70-130	
1,2-Dibromo-3-Chloropropane	1.00	1.05	105	70-130	
Nitrobenzene	51.3	42.8	83	70-130	
1,3,5-Trichlorobenzene	1.00	1.04	104	70-130	
1,2,4-Trichlorobenzene	1.00	1.07	107	70-130	
Hexachlorobutadiene	1.00	1.06	106	70-130	
Naphthalene	1.00	1.05	105	70-130	

Column to be used to flag recovery and RPD values

FORM III 524.2

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Matrix: Water Level: Low Lab File ID: lkra04.d

Lab ID: LCS 200-78664/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,3-Trichlorobenzene	1.00	1.09	109	70-130	

Column to be used to flag recovery and RPD values

FORM III 524.2

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Matrix: Water Level: Low Lab File ID: lkrb04.d

Lab ID: LCS 200-78697/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	1.00	1.48	148	70-130	*
Chloromethane	1.00	1.35	135	70-130	*
Vinyl chloride	1.00	1.31	131	70-130	*
Bromomethane	1.00	1.35	135	70-130	*
Chloroethane	1.00	1.11	111	70-130	
Trichlorofluoromethane	1.00	1.23	123	70-130	
Diethyl ether	1.00	1.03	103	70-130	
1,1-Dichloroethene	1.00	1.11	111	70-130	
Acetone	5.00	7.03	141	70-130	*
Methyl iodide	1.00	0.981	98	70-130	
Carbon disulfide	1.00	1.16	116	70-130	
Allyl chloride	1.00	0.915	91	70-130	
Methylene Chloride	1.00	1.38	138	70-130	*
Acrylonitrile	1.00	1.01	101	70-130	
t-Butyl alcohol	100	111	111	70-130	
trans-1,2-Dichloroethene	1.00	1.11	111	70-130	
Methyl t-butyl ether	1.00	1.10	110	70-130	
1,1-Dichloroethane	1.00	1.10	110	70-130	
cis-1,2-Dichloroethene	1.00	1.16	116	70-130	
2,2-Dichloropropane	1.00	1.18	118	70-130	
2-Butanone	5.00	5.24	105	70-130	
Propionitrile	51.3	51.2	100	70-130	
Methyl acrylate	1.00	0.850	85	70-130	
Methacrylonitrile	1.00	1.00	100	70-130	
Bromochloromethane	1.00	1.09	109	70-130	
Tetrahydrofuran	5.00	4.99	100	70-130	
Chloroform	1.00	1.14	114	70-130	
1,1,1-Trichloroethane	1.00	1.07	107	70-130	
1-Chlorobutane	1.00	1.10	110	70-130	
Carbon tetrachloride	1.00	1.05	105	70-130	
1,1-Dichloropropene	1.00	1.13	113	70-130	
Benzene	1.00	1.05	105	70-130	
1,2-Dichloroethane	1.00	1.06	106	70-130	
Trichloroethene	1.00	1.08	108	70-130	
1,2-Dichloropropane	1.00	1.05	105	70-130	
Dibromomethane	1.00	1.09	109	70-130	
Methyl methacrylate	1.00	1.05	105	70-130	
Bromodichloromethane	1.00	1.08	108	70-130	
2-Nitropropane	21.1	20.3	96	70-130	
Chloroacetonitrile	51.3	47.9	93	70-130	
cis-1,3-Dichloropropene	1.00	1.07	107	70-130	
4-Methyl-2-pentanone (MIBK)	5.00	5.34	107	70-130	

Column to be used to flag recovery and RPD values

FORM III 524.2

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Matrix: Water Level: Low Lab File ID: lkrb04.d

Lab ID: LCS 200-78697/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloro-2-propanone	21.1	18.3	87	70-130	
Toluene	1.00	1.06	106	70-130	
trans-1,3-Dichloropropene	1.00	1.10	110	70-130	
Ethyl methacrylate	1.00	0.967	97	70-130	
1,1,2-Trichloroethane	1.00	1.07	107	70-130	
Tetrachloroethene	1.00	1.10	110	70-130	
1,3-Dichloropropane	1.00	1.08	108	70-130	
2-Hexanone	5.00	5.32	106	70-130	
Dibromochloromethane	1.00	1.07	107	70-130	
1,2-Dibromoethane	1.00	1.07	107	70-130	
Chlorobenzene	1.00	1.11	111	70-130	
1,1,1,2-Tetrachloroethane	1.00	1.09	109	70-130	
Ethylbenzene	1.00	1.09	109	70-130	
m&p-Xylene	2.00	2.21	110	70-130	
o-Xylene	1.00	1.08	108	70-130	
Styrene	1.00	1.09	109	70-130	
Bromoform	1.00	0.991	99	70-130	
Isopropylbenzene	1.00	1.10	110	70-130	
Bromobenzene	1.00	1.09	109	70-130	
1,1,2,2-Tetrachloroethane	1.00	1.08	108	70-130	
1,2,3-Trichloropropane	1.00	1.10	110	70-130	
trans-1,4-Dichloro-2-butene	1.00	0.984	98	70-130	
n-Propylbenzene	1.00	1.05	105	70-130	
2-Chlorotoluene	1.00	1.12	112	70-130	
4-Chlorotoluene	1.00	1.09	109	70-130	
1,3,5-Trimethylbenzene	1.00	1.08	108	70-130	
tert-Butylbenzene	1.00	1.02	102	70-130	
Pentachloroethane	1.00	1.05	105	70-130	
1,2,4-Trimethylbenzene	1.00	1.11	111	70-130	
sec-Butylbenzene	1.00	1.06	106	70-130	
1,3-Dichlorobenzene	1.00	1.07	107	70-130	
p-Isopropyltoluene	1.00	1.04	104	70-130	
1,4-Dichlorobenzene	1.00	1.09	109	70-130	
1,2-Dichlorobenzene	1.00	1.09	109	70-130	
n-Butylbenzene	1.00	1.05	105	70-130	
Hexachloroethane	1.00	0.976	98	70-130	
1,2-Dibromo-3-Chloropropane	1.00	1.09	109	70-130	
Nitrobenzene	51.3	38.9	76	70-130	
1,3,5-Trichlorobenzene	1.00	1.04	104	70-130	
1,2,4-Trichlorobenzene	1.00	1.09	109	70-130	
Hexachlorobutadiene	1.00	1.13	113	70-130	
Naphthalene	1.00	1.07	107	70-130	

Column to be used to flag recovery and RPD values

FORM III 524.2

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Matrix: Water Level: Low Lab File ID: lkrb04.d

Lab ID: LCS 200-78697/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,3-Trichlorobenzene	1.00	1.10	110	70-130	

Column to be used to flag recovery and RPD values

FORM III 524.2

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Matrix: Water Level: Low Lab File ID: lkrb08.d

Lab ID: 200-24551-10 MS Client ID: PW-52 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	8.40	2.1 U	14.7	175	70-130	F1
Chloromethane	8.40	2.1 U	13.7	163	70-130	F1
Vinyl chloride	8.40	2.1 U	13.1	156	70-130	F1
Bromomethane	8.40	2.1 U	12.4	147	70-130	F1
Chloroethane	8.40	2.1 U	9.75	116	70-130	
Trichlorofluoromethane	8.40	2.1 U	12.1	144	70-130	F1
Diethyl ether	8.40	2.1 U	9.96	119	70-130	
1,1-Dichloroethene	8.40	2.1 U	11.0	131	70-130	F1
Acetone	42.0	21 U	65.3	155	70-130	F1
Methyl iodide	8.40	2.1 U	9.43	112	70-130	
Carbon disulfide	8.40	2.1 U	10.7	127	70-130	
Allyl chloride	8.40	2.1 U	8.70	104	70-130	
Methylene Chloride	8.40	2.1 U	13.3	158	70-130	F1
Acrylonitrile	8.40	2.1 U	11.7	140	70-130	F1
t-Butyl alcohol	420	210 U	535	127	70-130	
trans-1,2-Dichloroethene	8.40	2.1 U	12.0	143	70-130	F1
Methyl t-butyl ether	8.40	2.1 U	12.6	150	70-130	F1
1,1-Dichloroethane	8.40	2.1 U	10.9	130	70-130	
cis-1,2-Dichloroethene	8.40	79	100	259	70-130	4
2,2-Dichloropropane	8.40	2.1 U	11.5	137	70-130	F1
2-Butanone	42.0	21 U	62.8	150	70-130	F1
Propionitrile	431	110 U	518	120	70-130	
Methyl acrylate	8.40	2.1 U	10.3	123	70-130	
Methacrylonitrile	8.40	2.1 U	10.5	125	70-130	
Bromochloromethane	8.40	2.1 U	11.0	131	70-130	F1
Tetrahydrofuran	42.0	11 U	52.5	125	70-130	
Chloroform	8.40	2.1 U	10.5	125	70-130	
1,1,1-Trichloroethane	8.40	2.1 U	10.6	126	70-130	
1-Chlorobutane	8.40	2.1 U	10.2	122	70-130	
Carbon tetrachloride	8.40	2.1 U	10.3	122	70-130	
1,1-Dichloropropene	8.40	2.1 U	11.2	133	70-130	F1
Benzene	8.40	2.1 U	10.5	125	70-130	
1,2-Dichloroethane	8.40	2.1 U	10.6	126	70-130	
Trichloroethene	8.40	19	31.5	151	70-130	F1
1,2-Dichloropropane	8.40	2.1 U	11.3	135	70-130	F1
Dibromomethane	8.40	2.1 U	11.0	130	70-130	
Methyl methacrylate	8.40	2.1 U	9.71	116	70-130	
Bromodichloromethane	8.40	2.1 U	10.2	122	70-130	
2-Nitropropane	177	42 U	208	118	70-130	
Chloroacetonitrile	431	110 U	518	120	70-130	
cis-1,3-Dichloropropene	8.40	2.1 U	10.2	122	70-130	
4-Methyl-2-pentanone (MIBK)	42.0	11 U	53.7	128	70-130	

Column to be used to flag recovery and RPD values

FORM III 524.2

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Matrix: Water Level: Low Lab File ID: lkrb08.d

Lab ID: 200-24551-10 MS Client ID: PW-52 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1-Dichloro-2-propanone	177	42 U	214	121	70-130	
Toluene	8.40	2.1 U	10.4	124	70-130	
trans-1,3-Dichloropropene	8.40	2.1 U	10.2	122	70-130	
Ethyl methacrylate	8.40	2.1 U	10.1	120	70-130	
1,1,2-Trichloroethane	8.40	2.1 U	11.0	132	70-130	F1
Tetrachloroethene	8.40	2.1 U	10.6	126	70-130	
1,3-Dichloropropane	8.40	2.1 U	10.0	119	70-130	
2-Hexanone	42.0	11 U	55.1	131	70-130	F1
Dibromochloromethane	8.40	2.1 U	10.4	124	70-130	
1,2-Dibromoethane	8.40	2.1 U	10.6	126	70-130	
Chlorobenzene	8.40	2.1 U	10.6	126	70-130	
1,1,1,2-Tetrachloroethane	8.40	2.1 U	10.8	128	70-130	
Ethylbenzene	8.40	2.1 U	10.4	124	70-130	
m&p-Xylene	16.8	2.1 U	21.0	125	70-130	
o-Xylene	8.40	2.1 U	10.6	126	70-130	
Styrene	8.40	2.1 U	10.3	123	70-130	
Bromoform	8.40	2.1 U	10.2	122	70-130	
Isopropylbenzene	8.40	2.1 U	10.6	126	70-130	
Bromobenzene	8.40	2.1 U	10.4	124	70-130	
1,1,2,2-Tetrachloroethane	8.40	2.1 U	10.8	128	70-130	
1,2,3-Trichloropropane	8.40	2.1 U	11.0	131	70-130	F1
trans-1,4-Dichloro-2-butene	8.40	2.1 U	9.03	107	70-130	
n-Propylbenzene	8.40	2.1 U	10.0	119	70-130	
2-Chlorotoluene	8.40	2.1 U	10.5	125	70-130	
4-Chlorotoluene	8.40	2.1 U	10.7	128	70-130	
1,3,5-Trimethylbenzene	8.40	2.1 U	10.3	123	70-130	
tert-Butylbenzene	8.40	2.1 U	10.3	123	70-130	
Pentachloroethane	8.40	2.1 U	10.2	122	70-130	
1,2,4-Trimethylbenzene	8.40	2.1 U	10.4	124	70-130	
sec-Butylbenzene	8.40	2.1 U	10.4	124	70-130	
1,3-Dichlorobenzene	8.40	2.1 U	10.4	124	70-130	
p-Isopropyltoluene	8.40	2.1 U	10.3	122	70-130	
1,4-Dichlorobenzene	8.40	2.1 U	10.3	123	70-130	
1,2-Dichlorobenzene	8.40	2.1 U	10.3	123	70-130	
n-Butylbenzene	8.40	2.1 U	10.0	119	70-130	
Hexachloroethane	8.40	2.1 U	9.77	116	70-130	
1,2-Dibromo-3-Chloropropane	8.40	2.1 U	10.3	123	70-130	
Nitrobenzene	431	110 U	420	97	70-130	
1,3,5-Trichlorobenzene	8.40	2.1 U	10.5	125	70-130	
1,2,4-Trichlorobenzene	8.40	2.1 U	10.4	124	70-130	
Hexachlorobutadiene	8.40	2.1 U	10.6	126	70-130	
Naphthalene	8.40	2.1 U	10.1	120	70-130	

Column to be used to flag recovery and RPD values

FORM III 524.2

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Matrix: Water Level: Low Lab File ID: lkrb08.d

Lab ID: 200-24551-10 MS Client ID: PW-52 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,2,3-Trichlorobenzene	8.40	2.1 U	10.3	122	70-130	

Column to be used to flag recovery and RPD values

FORM III 524.2

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Lab File ID: lkra05.d Lab Sample ID: MB 200-78664/5

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: L.i Date Analyzed: 10/13/2014 10:37

GC Column: DB-624 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-78664/4	lkra04.d	10/13/2014 10:05
TRIP BLANK	200-24551-1	lkra06.d	10/13/2014 11:09
PW-52	200-24551-10	lkra07.d	10/13/2014 11:42
PW-53	200-24551-11	lkra10.d	10/13/2014 13:19
DUP	200-24551-12	lkra11.d	10/13/2014 13:52

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Lab File ID: lkrb05.d Lab Sample ID: MB 200-78697/5

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: L.i Date Analyzed: 10/14/2014 10:01

GC Column: DB-624 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-78697/4	lkrb04.d	10/14/2014 09:28
PW-52 DL	200-24551-10 DL	lkrb06.d	10/14/2014 10:33
PW-52 DU	200-24551-10 DU	lkrb07.d	10/14/2014 11:06
PW-52 MS	200-24551-10 MS	lkrb08.d	10/14/2014 11:38
PW-52 TRL	200-24551-10 TRL	lkrb09.d	10/14/2014 12:11

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Lab File ID: lkr01.d BFB Injection Date: 10/10/2014

Instrument ID: L.i BFB Injection Time: 15:14

Analysis Batch No.: 78579

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.3	
75	30.0 - 60.0 % of mass 95	42.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	72.9	
175	5.0 - 9.0 % of mass 174	5.0	(6.9)1
176	95.0 - 101.0 % of mass 174	72.7	(99.7)1
177	5.0 - 9.0 % of mass 176	4.4	(6.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-78579/4	lkr04.d	10/10/2014	16:32
	ICIS 200-78579/5	lkr05.d	10/10/2014	17:05
	IC 200-78579/6	lkr06.d	10/10/2014	17:37
	IC 200-78579/7	lkr07.d	10/10/2014	18:10
	IC 200-78579/8	lkr08.d	10/10/2014	18:43

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Lab File ID: lkra01.d BFB Injection Date: 10/13/2014

Instrument ID: L.i BFB Injection Time: 08:47

Analysis Batch No.: 78664

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.7	
75	30.0 - 60.0 % of mass 95	43.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	74.9	
175	5.0 - 9.0 % of mass 174	5.2	(6.9)1
176	95.0 - 101.0 % of mass 174	72.6	(96.9)1
177	5.0 - 9.0 % of mass 176	5.0	(6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-78664/2	lkra02.d	10/13/2014	09:00
	ICV 200-78664/3	lkra03.d	10/13/2014	09:32
	LCS 200-78664/4	lkra04.d	10/13/2014	10:05
	MB 200-78664/5	lkra05.d	10/13/2014	10:37
TRIP BLANK	200-24551-1	lkra06.d	10/13/2014	11:09
PW-52	200-24551-10	lkra07.d	10/13/2014	11:42
PW-53	200-24551-11	lkra10.d	10/13/2014	13:19
DUP	200-24551-12	lkra11.d	10/13/2014	13:52

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Lab File ID: lkrb01.d BFB Injection Date: 10/14/2014

Instrument ID: L.i BFB Injection Time: 08:10

Analysis Batch No.: 78697

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.9	
75	30.0 - 60.0 % of mass 95	44.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.1	(0.2)1
174	50.0 - 120.00 % of mass 95	72.8	
175	5.0 - 9.0 % of mass 174	4.9	(6.8)1
176	95.0 - 101.0 % of mass 174	71.1	(97.6)1
177	5.0 - 9.0 % of mass 176	4.7	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-78697/3	lkrb03.d	10/14/2014	08:56
	LCS 200-78697/4	lkrb04.d	10/14/2014	09:28
	MB 200-78697/5	lkrb05.d	10/14/2014	10:01
PW-52 DL	200-24551-10 DL	lkrb06.d	10/14/2014	10:33
PW-52 DU	200-24551-10 DU	lkrb07.d	10/14/2014	11:06
PW-52 MS	200-24551-10 MS	lkrb08.d	10/14/2014	11:38
PW-52 TRL	200-24551-10 TRL	lkrb09.d	10/14/2014	12:11

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Sample No.: ICIS 200-78579/5 Date Analyzed: 10/10/2014 17:05

Instrument ID: L.i GC Column: DB-624 ID: 0.53(mm)

Lab File ID (Standard): lkr05.d Heated Purge: (Y/N) N

Calibration ID: 28152

		12DCE		FB		TOL	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		66454	9.34	292067	9.93	223260	12.75
UPPER LIMIT		86390	9.84	379687	10.43	290238	13.25
LOWER LIMIT		46518	8.84	204447	9.43	156282	12.25
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-78664/3		70770	9.32	273973	9.91	240673	12.74

12DCE = 1,2-Dichloroethane-d4 (IS)
FB = Fluorobenzene
TOL = Toluene-d8 (IS)

Area Limit = 70%-130% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 524.2

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Sample No.: ICIS 200-78579/5 Date Analyzed: 10/10/2014 17:05

Instrument ID: L.i GC Column: DB-624 ID: 0.53(mm)

Lab File ID (Standard): lkr05.d Heated Purge: (Y/N) N

Calibration ID: 28152

		CBZ		BFB		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		216754	15.66	151053	18.31	121807	20.00
UPPER LIMIT		281780	16.16	196369	18.81	158349	20.50
LOWER LIMIT		151728	15.16	105737	17.81	85265	19.50
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-78664/3		201342	15.66	156378	18.31	105888	20.00

CBZ = Chlorobenzene-d5
BFB = 4-Bromofluorobenzene (IS)
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 70%-130% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 524.2

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Sample No.: ICIS 200-78579/5 Date Analyzed: 10/10/2014 17:05

Instrument ID: L.i GC Column: DB-624 ID: 0.53(mm)

Lab File ID (Standard): lkr05.d Heated Purge: (Y/N) N

Calibration ID: 28152

		DCZ					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		94178	20.44				
UPPER LIMIT		122431	20.94				
LOWER LIMIT		65925	19.94				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-78664/3		100261	20.44				

DCZ = 1,2-Dichlorobenzene-d4 (IS)

Area Limit = 70%-130% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 524.2

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Sample No.: CCVIS 200-78664/2 Date Analyzed: 10/13/2014 09:00

Instrument ID: L.i GC Column: DB-624 ID: 0.53(mm)

Lab File ID (Standard): lkra02.d Heated Purge: (Y/N) N

Calibration ID: 28152

		12DCE		FB		TOL	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		71404	9.32	295463	9.91	218264	12.74
UPPER LIMIT		92825	9.82	384102	10.41	283743	13.24
LOWER LIMIT		49983	8.82	206824	9.41	152785	12.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-78664/4		79498	9.31	274614	9.92	231124	12.74
MB 200-78664/5		71266	9.32	278748	9.91	223710	12.74
200-24551-1	TRIP BLANK	71239	9.32	293657	9.91	232128	12.75
200-24551-10	PW-52	79947	9.33	282805	9.92	237976	12.74
200-24551-11	PW-53	69594	9.33	291730	9.92	236586	12.74
200-24551-12	DUP	73760	9.32	297840	9.90	242885	12.77

12DCE = 1,2-Dichloroethane-d4 (IS)
FB = Fluorobenzene
TOL = Toluene-d8 (IS)

Area Limit = 70%-130% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 524.2

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Sample No.: CCVIS 200-78664/2 Date Analyzed: 10/13/2014 09:00

Instrument ID: L.i GC Column: DB-624 ID: 0.53(mm)

Lab File ID (Standard): lkra02.d Heated Purge: (Y/N) N

Calibration ID: 28152

		CBZ		BFB		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		242505	15.66	170060	18.31	143372	20.00
UPPER LIMIT		315257	16.16	221078	18.81	186384	20.50
LOWER LIMIT		169754	15.16	119042	17.81	100360	19.50
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-78664/4		210781	15.65	152354	18.32	110495	20.01
MB 200-78664/5		208377	15.66	144322	18.31	106538	20.00
200-24551-1	TRIP BLANK	216831	15.66	149580	18.31	105323	20.00
200-24551-10	PW-52	205397	15.67	155225	18.32	103209	20.01
200-24551-11	PW-53	219537	15.67	149102	18.32	110183	20.01
200-24551-12	DUP	221048	15.75	151889	18.37	111635	20.02

CBZ = Chlorobenzene-d5
BFB = 4-Bromofluorobenzene (IS)
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 70%-130% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 524.2

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Sample No.: CCVIS 200-78664/2 Date Analyzed: 10/13/2014 09:00

Instrument ID: L.i GC Column: DB-624 ID: 0.53(mm)

Lab File ID (Standard): lkra02.d Heated Purge: (Y/N) N

Calibration ID: 28152

		DCZ					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		100938	20.44				
UPPER LIMIT		131219	20.94				
LOWER LIMIT		70657	19.94				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-78664/4		99587	20.43				
MB 200-78664/5		90849	20.44				
200-24551-1	TRIP BLANK	93714	20.44				
200-24551-10	PW-52	96658	20.44				
200-24551-11	PW-53	95319	20.45				
200-24551-12	DUP	93908	20.46				

DCZ = 1,2-Dichlorobenzene-d4 (IS)

Area Limit = 70%-130% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 524.2

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Sample No.: CCVIS 200-78697/3 Date Analyzed: 10/14/2014 08:56

Instrument ID: L.i GC Column: DB-624 ID: 0.53(mm)

Lab File ID (Standard): lkrb03.d Heated Purge: (Y/N) N

Calibration ID: 28152

		12DCE		FB		TOL	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		63169	9.32	265771	9.92	217629	12.74
UPPER LIMIT		82120	9.82	345502	10.42	282918	13.24
LOWER LIMIT		44218	8.82	186040	9.42	152340	12.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-78697/4		73285	9.32	273281	9.93	234037	12.75
MB 200-78697/5		69739	9.32	278462	9.92	231205	12.76
200-24551-10 DL	PW-52 DL	64817	9.32	278502	9.91	218212	12.75
200-24551-10 DU	PW-52 DU	66327	9.33	276526	9.92	223347	12.74
200-24551-10 MS	PW-52 MS	70161	9.32	243963	9.91	231750	12.75
200-24551-10 TRL	PW-52 TRL	67407	9.32	289980	9.93	231974	12.75

12DCE = 1,2-Dichloroethane-d4 (IS)
FB = Fluorobenzene
TOL = Toluene-d8 (IS)

Area Limit = 70%-130% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 524.2

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Sample No.: CCVIS 200-78697/3 Date Analyzed: 10/14/2014 08:56

Instrument ID: L.i GC Column: DB-624 ID: 0.53(mm)

Lab File ID (Standard): lkrb03.d Heated Purge: (Y/N) N

Calibration ID: 28152

		CBZ		BFB		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		199069	15.67	144733	18.31	106509	20.00
UPPER LIMIT		258790	16.17	188153	18.81	138462	20.50
LOWER LIMIT		139348	15.17	101313	17.81	74556	19.50
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-78697/4		202469	15.66	156963	18.31	105351	20.00
MB 200-78697/5		208123	15.67	149473	18.32	103249	20.01
200-24551-10 DL	PW-52 DL	208453	15.66	138406	18.31	102191	20.00
200-24551-10 DU	PW-52 DU	205434	15.67	140251	18.32	99711	20.01
200-24551-10 MS	PW-52 MS	182530	15.66	151460	18.31	96046	20.00
200-24551-10 TRL	PW-52 TRL	220056	15.66	151180	18.31	106964	20.00

CBZ = Chlorobenzene-d5
BFB = 4-Bromofluorobenzene (IS)
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 70%-130% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 524.2

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Sample No.: CCVIS 200-78697/3 Date Analyzed: 10/14/2014 08:56

Instrument ID: L.i GC Column: DB-624 ID: 0.53(mm)

Lab File ID (Standard): lkrb03.d Heated Purge: (Y/N) N

Calibration ID: 28152

		DCZ					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		92711	20.44				
UPPER LIMIT		120524	20.94				
LOWER LIMIT		64898	19.94				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-78697/4		101216	20.44				
MB 200-78697/5		93838	20.44				
200-24551-10 DL	PW-52 DL	88565	20.44				
200-24551-10 DU	PW-52 DU	91202	20.44				
200-24551-10 MS	PW-52 MS	101262	20.44				
200-24551-10 TRL	PW-52 TRL	89930	20.44				

DCZ = 1,2-Dichlorobenzene-d4 (IS)

Area Limit = 70%-130% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 524.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: TRIP BLANK Lab Sample ID: 200-24551-1

Matrix: Water Lab File ID: lkra06.d

Analysis Method: 524.2 Date Collected: 10/01/2014 00:00

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 11:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U *	0.50	0.090
74-87-3	Chloromethane	0.50	U *	0.50	0.12
75-01-4	Vinyl chloride	0.50	U *	0.50	0.076
74-83-9	Bromomethane	0.50	U *	0.50	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.22
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.10
60-29-7	Diethyl ether	0.50	U	0.50	0.066
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.074
67-64-1	Acetone	5.0	U	5.0	0.84
74-88-4	Methyl iodide	0.50	U	0.50	0.13
75-15-0	Carbon disulfide	0.50	U	0.50	0.12
107-05-1	Allyl chloride	0.50	U	0.50	0.10
75-09-2	Methylene Chloride	0.50	U *	0.50	0.084
107-13-1	Acrylonitrile	0.50	U	0.50	0.16
75-65-0	t-Butyl alcohol	50	U	50	4.4
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.071
1634-04-4	Methyl t-butyl ether	0.50	U	0.50	0.080
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.094
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.087
594-20-7	2,2-Dichloropropane	0.50	U	0.50	0.16
78-93-3	2-Butanone	5.0	U	5.0	0.16
107-12-0	Propionitrile	25	U	25	2.9
96-33-3	Methyl acrylate	0.50	U	0.50	0.13
126-98-7	Methacrylonitrile	0.50	U	0.50	0.081
74-97-5	Bromochloromethane	0.50	U	0.50	0.076
109-99-9	Tetrahydrofuran	2.5	U	2.5	0.52
67-66-3	Chloroform	0.50	U	0.50	0.085
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.092
109-69-3	1-Chlorobutane	0.50	U	0.50	0.10
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.12
563-58-6	1,1-Dichloropropene	0.50	U	0.50	0.12
71-43-2	Benzene	0.50	U	0.50	0.10
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.092
79-01-6	Trichloroethene	0.50	U	0.50	0.10
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.087
74-95-3	Dibromomethane	0.50	U	0.50	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: TRIP BLANK Lab Sample ID: 200-24551-1

Matrix: Water Lab File ID: lkra06.d

Analysis Method: 524.2 Date Collected: 10/01/2014 00:00

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 11:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
80-62-6	Methyl methacrylate	0.50	U	0.50	0.25
75-27-4	Bromodichloromethane	0.50	U	0.50	0.10
79-46-9	2-Nitropropane	10	U	10	1.3
107-14-2	Chloroacetonitrile	25	U	25	4.1
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.12
108-10-1	4-Methyl-2-pentanone (MIBK)	2.5	U	2.5	0.32
513-88-2	1,1-Dichloro-2-propanone	10	U	10	1.1
108-88-3	Toluene	0.50	U	0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.082
97-63-2	Ethyl methacrylate	0.50	U	0.50	0.073
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.070
127-18-4	Tetrachloroethene	0.50	U	0.50	0.089
142-28-9	1,3-Dichloropropane	0.50	U	0.50	0.10
591-78-6	2-Hexanone	2.5	U	2.5	0.40
124-48-1	Dibromochloromethane	0.50	U	0.50	0.081
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.072
108-90-7	Chlorobenzene	0.50	U	0.50	0.093
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U	0.50	0.10
100-41-4	Ethylbenzene	0.50	U	0.50	0.10
179601-23-1	m&p-Xylene	0.50	U	0.50	0.20
95-47-6	o-Xylene	0.50	U	0.50	0.092
100-42-5	Styrene	0.50	U	0.50	0.075
75-25-2	Bromoform	0.50	U	0.50	0.067
98-82-8	Isopropylbenzene	0.50	U	0.50	0.10
108-86-1	Bromobenzene	0.50	U	0.50	0.083
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.078
96-18-4	1,2,3-Trichloropropane	0.50	U	0.50	0.10
110-57-6	trans-1,4-Dichloro-2-butene	0.50	U	0.50	0.12
103-65-1	n-Propylbenzene	0.50	U	0.50	0.10
95-49-8	2-Chlorotoluene	0.50	U	0.50	0.10
106-43-4	4-Chlorotoluene	0.50	U	0.50	0.10
108-67-8	1,3,5-Trimethylbenzene	0.50	U	0.50	0.10
98-06-6	tert-Butylbenzene	0.50	U	0.50	0.089
76-01-7	Pentachloroethane	0.50	U	0.50	0.089
95-63-6	1,2,4-Trimethylbenzene	0.50	U	0.50	0.10
135-98-8	sec-Butylbenzene	0.50	U	0.50	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: TRIP BLANK Lab Sample ID: 200-24551-1

Matrix: Water Lab File ID: lkra06.d

Analysis Method: 524.2 Date Collected: 10/01/2014 00:00

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 11:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.11
99-87-6	p-Isopropyltoluene	0.50	U	0.50	0.090
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.10
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.081
104-51-8	n-Butylbenzene	0.50	U	0.50	0.13
67-72-1	Hexachloroethane	0.50	U	0.50	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U	0.50	0.10
98-95-3	Nitrobenzene	25	U	25	3.6
108-70-3	1,3,5-Trichlorobenzene	0.50	U	0.50	0.10
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.083
87-68-3	Hexachlorobutadiene	0.50	U	0.50	0.089
91-20-3	Naphthalene	0.50	U	0.50	0.062
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: TRIP BLANK Lab Sample ID: 200-24551-1

Matrix: Water Lab File ID: lkra06.d

Analysis Method: 524.2 Date Collected: 10/01/2014 00:00

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 11:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

Number TICs Found: 1 TIC Result Total: 13

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.86	13	J

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-24551-1
Client Smp ID: TRIP BLANK
Inj Date : 13-OCT-2014 11:09
Operator : MTP Inst ID: L.i
Smp Info : 200-24551-A-1
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkra524.b/524v1.m
Meth Date : 13-Oct-2014 10:35 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 18:43 Cal File: lkr08.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Diethyl Ether	59	Compound Not Detected.					
8 1,1-Dichloroethene	96	Compound Not Detected.					
9 Acetone	43	Compound Not Detected.					
10 Methyl Iodide	142	Compound Not Detected.					
11 Carbon Disulfide	76	Compound Not Detected.					
12 Allyl Chloride	41	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 t-Butyl Alcohol	59	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
15	trans-1,2-Dichloroethene	96	Compound Not Detected.					
16	Acrylonitrile	53	Compound Not Detected.					
17	Methyl-t-Butyl Ether	73	Compound Not Detected.					
18	1,1-Dichloroethane	63	Compound Not Detected.					
19	2,2-Dichloropropane	77	Compound Not Detected.					
20	cis-1,2-Dichloroethene	96	Compound Not Detected.					
21	2-Butanone	72	Compound Not Detected.					
22	Propionitrile	54	Compound Not Detected.					
23	Methyl Acrylate	55	Compound Not Detected.					
24	Bromochloromethane	128	Compound Not Detected.					
25	Methacrylonitrile	67	Compound Not Detected.					
26	Tetrahydrofuran	42	Compound Not Detected.					
27	Chloroform	83	Compound Not Detected.					
28	1,1,1-Trichloroethane	97	Compound Not Detected.					
29	1-Chlorobutane	56	Compound Not Detected.					
30	Carbon Tetrachloride	117	Compound Not Detected.					
31	1,1-Dichloropropene	75	Compound Not Detected.					
* 32	1,2-Dichloroethane-d4 ISTD	65	9.320	9.338	(1.000)	71239	2.00000	
33	Benzene	78	Compound Not Detected.					
34	1,2-Dichloroethane	62	Compound Not Detected.					
* 35	Fluorobenzene	96	9.912	9.931	(1.000)	293657	2.00000	
36	Trichloroethene	95	Compound Not Detected.					
37	1,2-Dichloropropane	63	Compound Not Detected.					
38	Dibromomethane	93	Compound Not Detected.					
39	Methyl Methacrylate	69	Compound Not Detected.					
40	Bromodichloromethane	83	Compound Not Detected.					
41	2-Nitropropane	41	Compound Not Detected.					
42	Chloroacetonitrile	75	Compound Not Detected.					
43	cis-1,3-Dichloropropene	75	Compound Not Detected.					
44	4-Methyl-2-Pentanone	58	Compound Not Detected.					
45	1,1-Dichloropropanone	83	Compound Not Detected.					
* 46	Toluene-d8 (IS)	98	12.753	12.754	(1.000)	232128	2.00000	
47	Toluene	92	Compound Not Detected.					
48	trans-1,3-Dichloropropene	75	Compound Not Detected.					
49	Ethyl Methacrylate	69	Compound Not Detected.					
50	1,1,2-Trichloroethane	83	Compound Not Detected.					
51	Tetrachloroethene	166	Compound Not Detected.					
52	1,3-Dichloropropane	76	Compound Not Detected.					
53	2-Hexanone	43	Compound Not Detected.					
54	Dibromochloromethane	129	Compound Not Detected.					
55	1,2-Dibromoethane	107	Compound Not Detected.					
* 56	Chlorobenzene-d5	117	15.662	15.664	(1.000)	216831	2.00000	
57	Chlorobenzene	112	Compound Not Detected.					
58	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
59	Ethylbenzene	91	Compound Not Detected.					
60	m- & p-Xylene	106	Compound Not Detected.					
61	o-Xylene	106	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
M	62 Xylene (total)	106	Compound Not Detected.					
	63 Styrene	104	Compound Not Detected.					
	64 Bromoform	172	Compound Not Detected.					
	65 Isopropylbenzene	105	Compound Not Detected.					
*	66 4-Bromofluorobenzene (IS)	95	18.311	18.312	(1.000)	149580	2.00000	
	67 Bromobenzene	156	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,2,3-Trichloropropane	110	Compound Not Detected.					
	70 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.					
	71 n-Propylbenzene	120	Compound Not Detected.					
	72 2-Chlorotoluene	126	Compound Not Detected.					
	73 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	74 4-Chlorotoluene	126	Compound Not Detected.					
	75 tert-Butylbenzene	134	Compound Not Detected.					
	76 Pentachloroethane	167	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	78 sec-Butylbenzene	105	Compound Not Detected.					
	79 1,3-Dichlorobenzene	146	Compound Not Detected.					
	80 p-Isopropyltoluene	119	Compound Not Detected.					
*	81 1,4-Dichlorobenzene-d4	152	20.001	20.002	(1.000)	105323	2.00000	
	82 1,4-Dichlorobenzene	146	Compound Not Detected.					
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.437	20.438	(1.000)	93714	2.00000	
	84 1,2-Dichlorobenzene	146	Compound Not Detected.					
	85 n-Butylbenzene	91	Compound Not Detected.					
	86 Hexachloroethane	117	Compound Not Detected.					
	87 1,2-Dibromo-3-Chloropropane	155	Compound Not Detected.					
	88 1,3,5 Trichlorobenzene	180	Compound Not Detected.					
	89 Nitrobenzene	77	Compound Not Detected.					
	90 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	91 Hexachlorobutadiene	224	Compound Not Detected.					
	92 Naphthalene	128	Compound Not Detected.					
	93 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-24551-1
Client Smp ID: TRIP BLANK
Inj Date : 13-OCT-2014 11:09
Operator : MTP Inst ID: L.i
Smp Info : 200-24551-A-1
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkra524.b/524v1.m
Meth Date : 13-Oct-2014 10:35 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 18:43 Cal File: lkr08.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

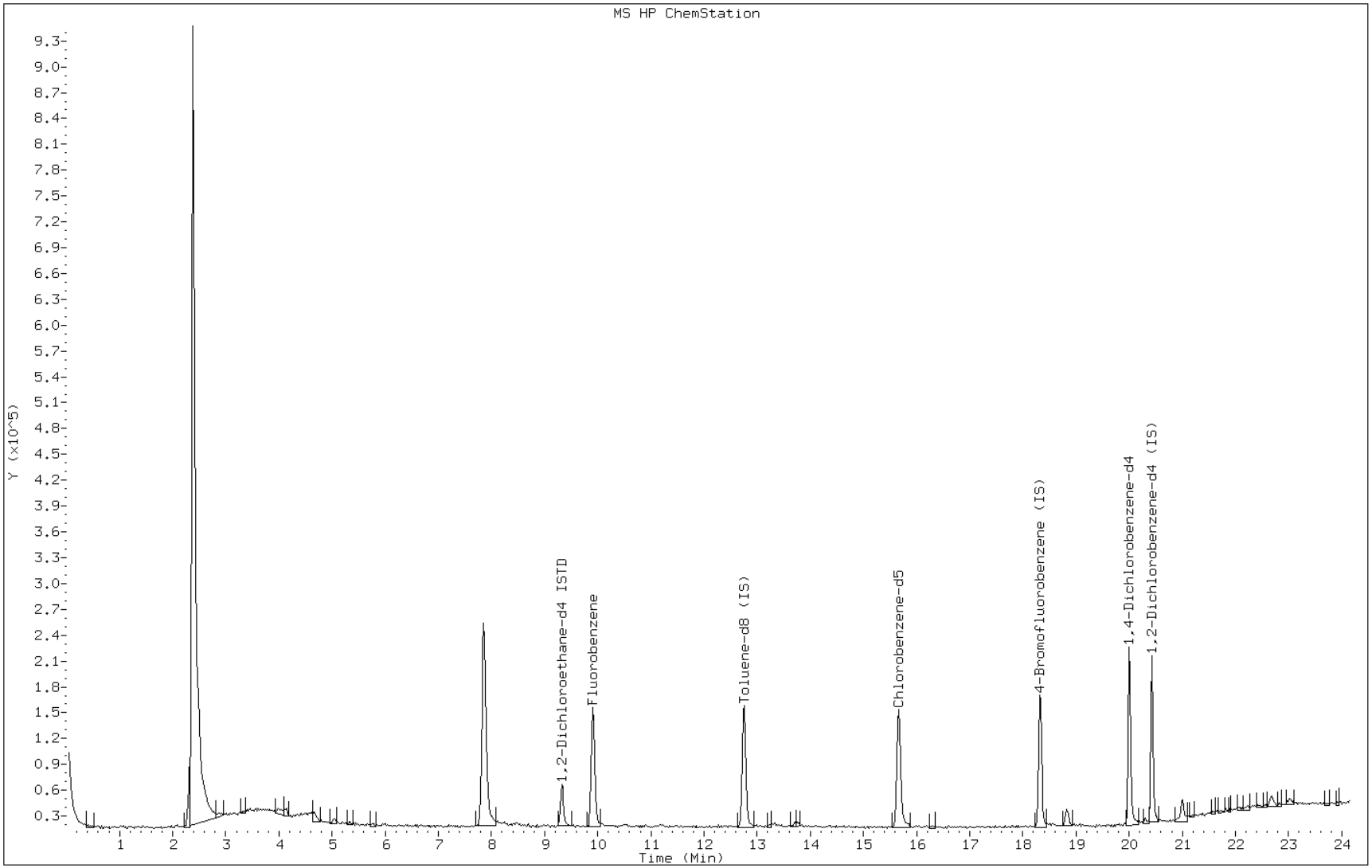
Cpnd Variable Local Compound Variable

ISTD		RT	AREA	AMOUNT
* 32	1,2-Dichloroethane-d4 I	9.320	232515	2.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
7.856	1463814	12.5910833	13	0		0	32

Data File: lkra06.d
Client ID: TRIP BLANK
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 200-24551-A-1
Lab Sample ID: 200-24551-1

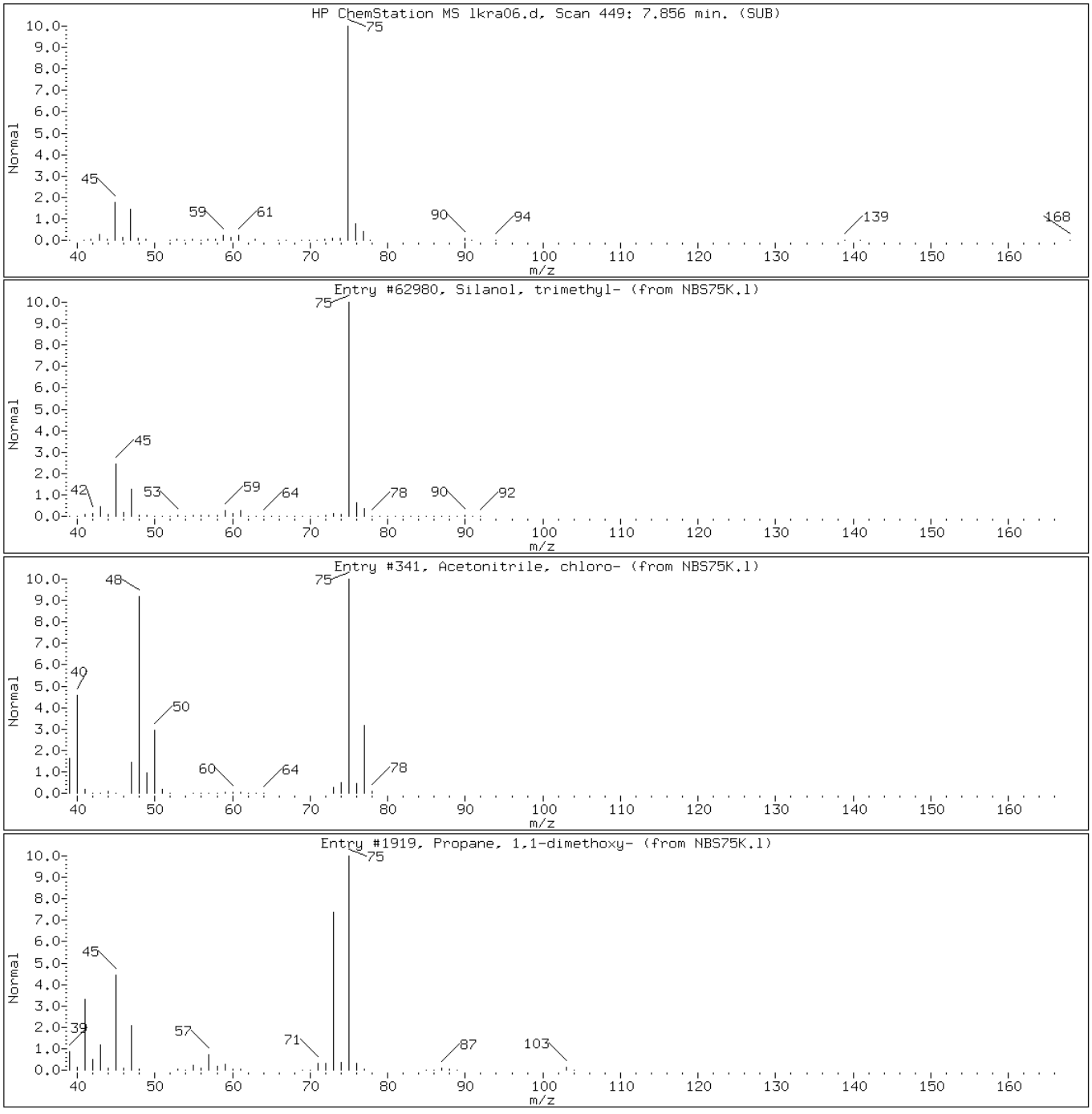
Date: 13-OCT-2014 11:09
Instrument: L.i
Inj Vol: 5.0
Diameter: 0.53



Data File: lkra06.d
Lab Sample ID: 200-24551-1 Date: 13-OCT-2014 11:09
Client ID: TRIP BLANK Instrument: L.i
Sample Info: 200-24551-A-1 Operator: MTP

Retention Time: 7.86

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NBS75K.l	62980	72	C3H10OSi	90
Acetonitrile, chloro-	107-14-2	NBS75K.l	341	9	C2H2ClN	75
Propane, 1,1-dimethoxy-	4744-10-9	NBS75K.l	1919	9	C5H12O2	104



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 | Lab Sample ID: 200-24551-10

Matrix: Water | Lab File ID: lkra07.d

Analysis Method: 524.2 | Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) | Date Analyzed: 10/13/2014 11:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 78664 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U *	0.50	0.090
74-87-3	Chloromethane	0.50	U *	0.50	0.12
75-01-4	Vinyl chloride	0.50	U *	0.50	0.076
74-83-9	Bromomethane	0.50	U *	0.50	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.22
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.10
60-29-7	Diethyl ether	0.50	U	0.50	0.066
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.074
67-64-1	Acetone	5.0	U	5.0	0.84
74-88-4	Methyl iodide	0.50	U	0.50	0.13
75-15-0	Carbon disulfide	0.50	U	0.50	0.12
107-05-1	Allyl chloride	0.50	U	0.50	0.10
75-09-2	Methylene Chloride	0.50	U *	0.50	0.084
107-13-1	Acrylonitrile	0.50	U	0.50	0.16
75-65-0	t-Butyl alcohol	50	U	50	4.4
156-60-5	trans-1,2-Dichloroethene	1.1		0.50	0.071
1634-04-4	Methyl t-butyl ether	1.4		0.50	0.080
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.094
156-59-2	*cis-1,2-Dichloroethene*	*84*	*E*	*0.50*	*0.087*
594-20-7	2,2-Dichloropropane	0.50	U	0.50	0.16
78-93-3	2-Butanone	5.0	U	5.0	0.16
107-12-0	Propionitrile	25	U	25	2.9
96-33-3	Methyl acrylate	0.50	U	0.50	0.13
126-98-7	Methacrylonitrile	0.50	U	0.50	0.081
74-97-5	Bromochloromethane	0.50	U	0.50	0.076
109-99-9	Tetrahydrofuran	2.5	U	2.5	0.52
67-66-3	Chloroform	0.50	U	0.50	0.085
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.092
109-69-3	1-Chlorobutane	0.50	U	0.50	0.10
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.12
563-58-6	1,1-Dichloropropene	0.50	U	0.50	0.12
71-43-2	Benzene	0.50	U	0.50	0.10
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.092
79-01-6	Trichloroethene	20		0.50	0.10
78-87-5	1,2-Dichloropropane	0.74		0.50	0.087
74-95-3	Dibromomethane	0.50	U	0.50	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 Lab Sample ID: 200-24551-10

Matrix: Water Lab File ID: lkra07.d

Analysis Method: 524.2 Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 11:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
80-62-6	Methyl methacrylate	0.50	U	0.50	0.25
75-27-4	Bromodichloromethane	0.50	U	0.50	0.10
79-46-9	2-Nitropropane	10	U	10	1.3
107-14-2	Chloroacetonitrile	25	U	25	4.1
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.12
108-10-1	4-Methyl-2-pentanone (MIBK)	2.5	U	2.5	0.32
513-88-2	1,1-Dichloro-2-propanone	10	U	10	1.1
108-88-3	Toluene	0.50	U	0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.082
97-63-2	Ethyl methacrylate	0.50	U	0.50	0.073
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.070
127-18-4	Tetrachloroethene	0.50	U	0.50	0.089
142-28-9	1,3-Dichloropropane	0.50	U	0.50	0.10
591-78-6	2-Hexanone	2.5	U	2.5	0.40
124-48-1	Dibromochloromethane	0.50	U	0.50	0.081
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.072
108-90-7	Chlorobenzene	0.50	U	0.50	0.093
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U	0.50	0.10
100-41-4	Ethylbenzene	0.50	U	0.50	0.10
179601-23-1	m&p-Xylene	0.50	U	0.50	0.20
95-47-6	o-Xylene	0.50	U	0.50	0.092
100-42-5	Styrene	0.50	U	0.50	0.075
75-25-2	Bromoform	0.50	U	0.50	0.067
98-82-8	Isopropylbenzene	0.50	U	0.50	0.10
108-86-1	Bromobenzene	0.50	U	0.50	0.083
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.078
96-18-4	1,2,3-Trichloropropane	0.50	U	0.50	0.10
110-57-6	trans-1,4-Dichloro-2-butene	0.50	U	0.50	0.12
103-65-1	n-Propylbenzene	0.50	U	0.50	0.10
95-49-8	2-Chlorotoluene	0.50	U	0.50	0.10
106-43-4	4-Chlorotoluene	0.50	U	0.50	0.10
108-67-8	1,3,5-Trimethylbenzene	0.50	U	0.50	0.10
98-06-6	tert-Butylbenzene	0.50	U	0.50	0.089
76-01-7	Pentachloroethane	0.50	U	0.50	0.089
95-63-6	1,2,4-Trimethylbenzene	0.50	U	0.50	0.10
135-98-8	sec-Butylbenzene	0.50	U	0.50	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 Lab Sample ID: 200-24551-10

Matrix: Water Lab File ID: lkra07.d

Analysis Method: 524.2 Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 11:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.11
99-87-6	p-Isopropyltoluene	0.50	U	0.50	0.090
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.10
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.081
104-51-8	n-Butylbenzene	0.50	U	0.50	0.13
67-72-1	Hexachloroethane	0.50	U	0.50	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U	0.50	0.10
98-95-3	Nitrobenzene	25	U	25	3.6
108-70-3	1,3,5-Trichlorobenzene	0.50	U	0.50	0.10
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.083
87-68-3	Hexachlorobutadiene	0.50	U	0.50	0.089
91-20-3	Naphthalene	0.50	U	0.50	0.062
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 Lab Sample ID: 200-24551-10

Matrix: Water Lab File ID: lkra07.d

Analysis Method: 524.2 Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 11:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

Number TICs Found: 3 TIC Result Total: 3.21

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.65	1.9	J
	Unknown	4.06	0.78	J
156-59-2	Ethene, 1,2-dichloro-, (Z)-	4.97	0.53	J N

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-24551-10
Client Smp ID: PW-52
Inj Date : 13-OCT-2014 11:42
Operator : MTP Inst ID: L.i
Smp Info : 200-24551-A-10
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkra524.b/524v1.m
Meth Date : 13-Oct-2014 10:35 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 18:43 Cal File: lkr08.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Diethyl Ether	59	Compound Not Detected.					
8 1,1-Dichloroethene	96	Compound Not Detected.					
9 Acetone	43	Compound Not Detected.					
10 Methyl Iodide	142	Compound Not Detected.					
11 Carbon Disulfide	76	Compound Not Detected.					
12 Allyl Chloride	41	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 t-Butyl Alcohol	59	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
15	trans-1,2-Dichloroethene	96	6.241	6.254	(0.629)	43510	1.09896	1.1
16	Acrylonitrile	53	Compound Not Detected.					
17	Methyl-t-Butyl Ether	73	6.258	6.272	(0.631)	113131	1.43942	1.4
18	1,1-Dichloroethane	63	Compound Not Detected.					
19	2,2-Dichloropropane	77	Compound Not Detected.					
20	cis-1,2-Dichloroethene	96	7.948	7.944	(0.801)	3485152	84.2229	84(A)
21	2-Butanone	72	Compound Not Detected.					
22	Propionitrile	54	Compound Not Detected.					
23	Methyl Acrylate	55	Compound Not Detected.					
24	Bromochloromethane	128	Compound Not Detected.					
25	Methacrylonitrile	67	Compound Not Detected.					
26	Tetrahydrofuran	42	Compound Not Detected.					
27	Chloroform	83	Compound Not Detected.					
28	1,1,1-Trichloroethane	97	Compound Not Detected.					
29	1-Chlorobutane	56	Compound Not Detected.					
30	Carbon Tetrachloride	117	Compound Not Detected.					
31	1,1-Dichloropropene	75	Compound Not Detected.					
* 32	1,2-Dichloroethane-d4 ISTD	65	9.325	9.338	(1.000)	79947	2.00000	
33	Benzene	78	Compound Not Detected.					
34	1,2-Dichloroethane	62	Compound Not Detected.					
* 35	Fluorobenzene	96	9.917	9.931	(1.000)	282805	2.00000	
36	Trichloroethene	95	10.562	10.576	(1.065)	987509	19.6832	20
37	1,2-Dichloropropane	63	10.946	10.942	(1.104)	38387	0.74378	0.74
38	Dibromomethane	93	Compound Not Detected.					
39	Methyl Methacrylate	69	Compound Not Detected.					
40	Bromodichloromethane	83	Compound Not Detected.					
41	2-Nitropropane	41	Compound Not Detected.					
42	Chloroacetonitrile	75	Compound Not Detected.					
43	cis-1,3-Dichloropropene	75	Compound Not Detected.					
44	4-Methyl-2-Pentanone	58	Compound Not Detected.					
45	1,1-Dichloropropanone	83	Compound Not Detected.					
* 46	Toluene-d8 (IS)	98	12.740	12.754	(1.000)	237976	2.00000	
47	Toluene	92	Compound Not Detected.					
48	trans-1,3-Dichloropropene	75	Compound Not Detected.					
49	Ethyl Methacrylate	69	Compound Not Detected.					
50	1,1,2-Trichloroethane	83	Compound Not Detected.					
51	Tetrachloroethene	166	Compound Not Detected.					
52	1,3-Dichloropropane	76	Compound Not Detected.					
53	2-Hexanone	43	Compound Not Detected.					
54	Dibromochloromethane	129	Compound Not Detected.					
55	1,2-Dibromoethane	107	Compound Not Detected.					
* 56	Chlorobenzene-d5	117	15.668	15.664	(1.000)	205397	2.00000	
57	Chlorobenzene	112	Compound Not Detected.					
58	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
59	Ethylbenzene	91	Compound Not Detected.					
60	m- & p-Xylene	106	Compound Not Detected.					
61	o-Xylene	106	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
M	62 Xylene (total)	106	Compound Not Detected.					
	63 Styrene	104	Compound Not Detected.					
	64 Bromoform	172	Compound Not Detected.					
	65 Isopropylbenzene	105	Compound Not Detected.					
*	66 4-Bromofluorobenzene (IS)	95	18.316	18.312	(1.000)	155225	2.00000	
	67 Bromobenzene	156	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,2,3-Trichloropropane	110	Compound Not Detected.					
	70 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.					
	71 n-Propylbenzene	120	Compound Not Detected.					
	72 2-Chlorotoluene	126	Compound Not Detected.					
	73 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	74 4-Chlorotoluene	126	Compound Not Detected.					
	75 tert-Butylbenzene	134	Compound Not Detected.					
	76 Pentachloroethane	167	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	78 sec-Butylbenzene	105	Compound Not Detected.					
	79 1,3-Dichlorobenzene	146	Compound Not Detected.					
	80 p-Isopropyltoluene	119	Compound Not Detected.					
*	81 1,4-Dichlorobenzene-d4	152	20.006	20.002	(1.000)	103209	2.00000	
	82 1,4-Dichlorobenzene	146	Compound Not Detected.					
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.442	20.438	(1.000)	96658	2.00000	
	84 1,2-Dichlorobenzene	146	Compound Not Detected.					
	85 n-Butylbenzene	91	Compound Not Detected.					
	86 Hexachloroethane	117	Compound Not Detected.					
	87 1,2-Dibromo-3-Chloropropane	155	Compound Not Detected.					
	88 1,3,5 Trichlorobenzene	180	Compound Not Detected.					
	89 Nitrobenzene	77	Compound Not Detected.					
	90 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	91 Hexachlorobutadiene	224	Compound Not Detected.					
	92 Naphthalene	128	Compound Not Detected.					
	93 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-24551-10
Client Smp ID: PW-52
Inj Date : 13-OCT-2014 11:42
Operator : MTP Inst ID: L.i
Smp Info : 200-24551-A-10
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkra524.b/524v1.m
Meth Date : 13-Oct-2014 10:35 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 18:43 Cal File: lkr08.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD		RT	AREA	AMOUNT
* 32	1,2-Dichloroethane-d4 I	9.325	249718	2.000

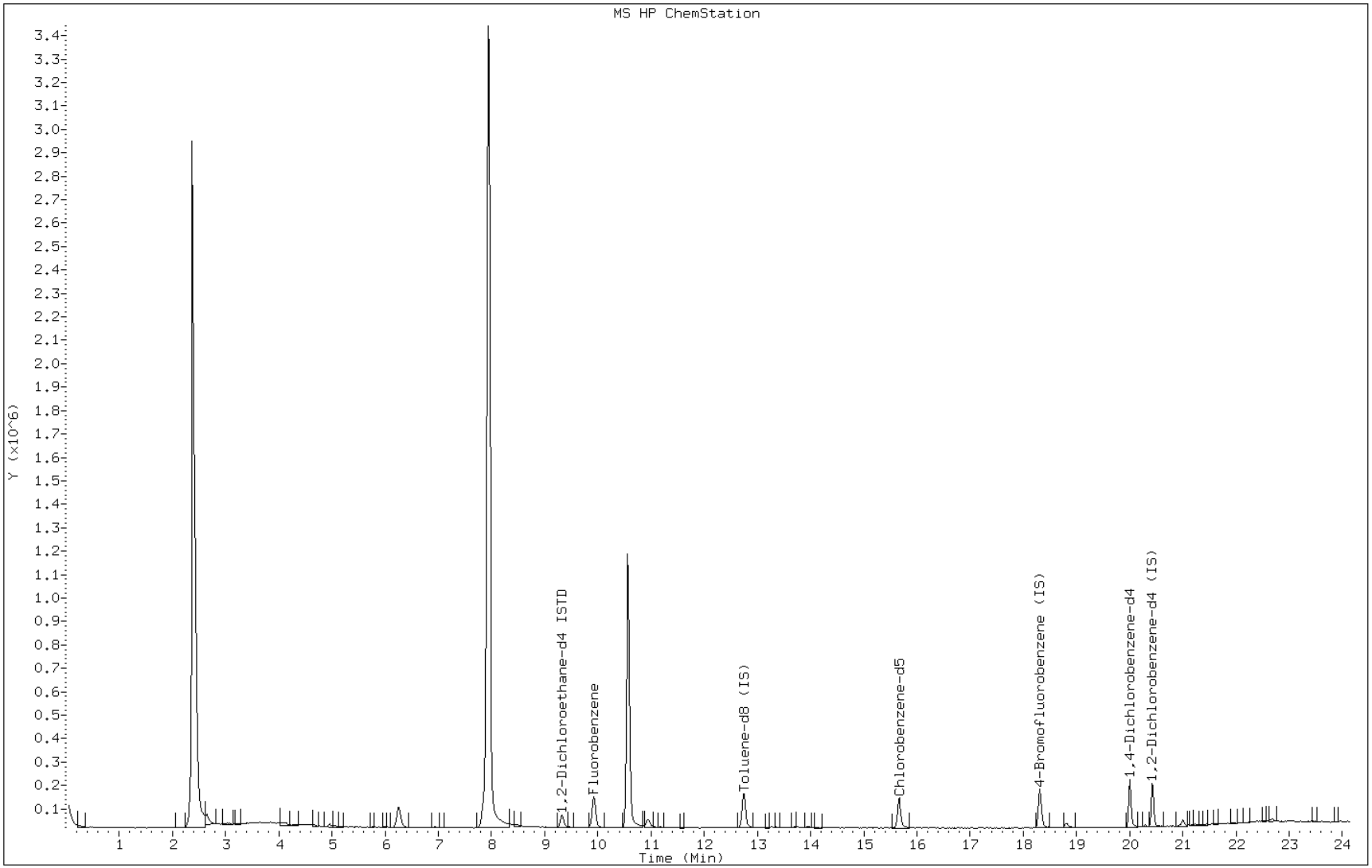
		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
2.651	241241	1.93210330	1.9	0		0	32
Unknown					CAS #:		
4.063	97811	0.78336830	0.78	0		0	32

	CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
4.969	65735	0.52647133	0.53	90	NBS75K.l	63094	32

Ethene, 1,2-dichloro-, (Z)- CAS #: 156-59-2

Data File: lkra07.d
Client ID: PW-52
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 200-24551-A-10
Lab Sample ID: 200-24551-10

Date: 13-OCT-2014 11:42
Instrument: L.i
Inj Vol: 5.0
Diameter: 0.53



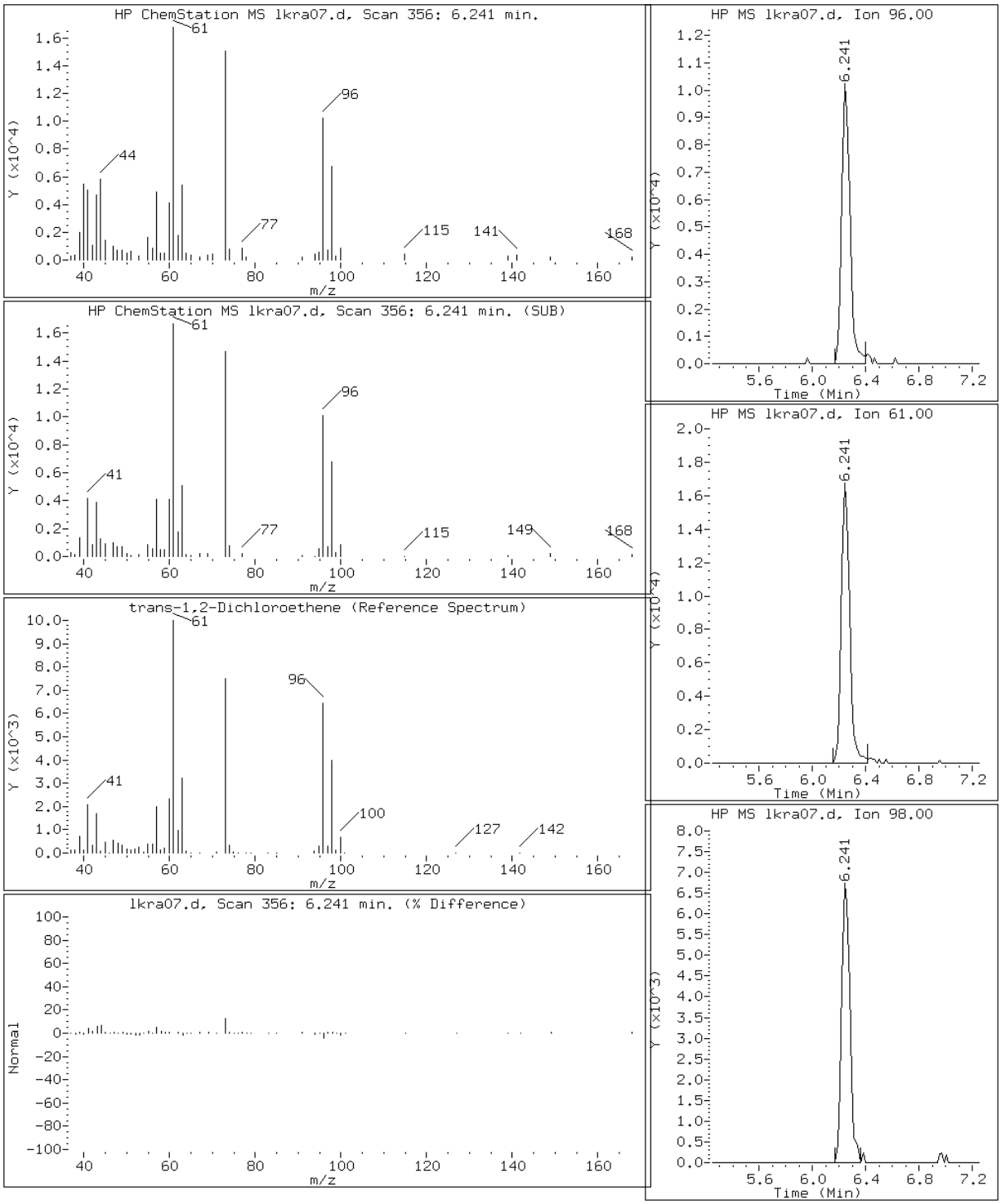
Data File: lkra07.d

Lab Sample ID: 200-24551-10 Date: 13-OCT-2014 11:42

Client ID: PW-52 Instrument: L.i

Sample Info: 200-24551-A-10 Operator: MTP

15 trans-1,2-Dichloroethene



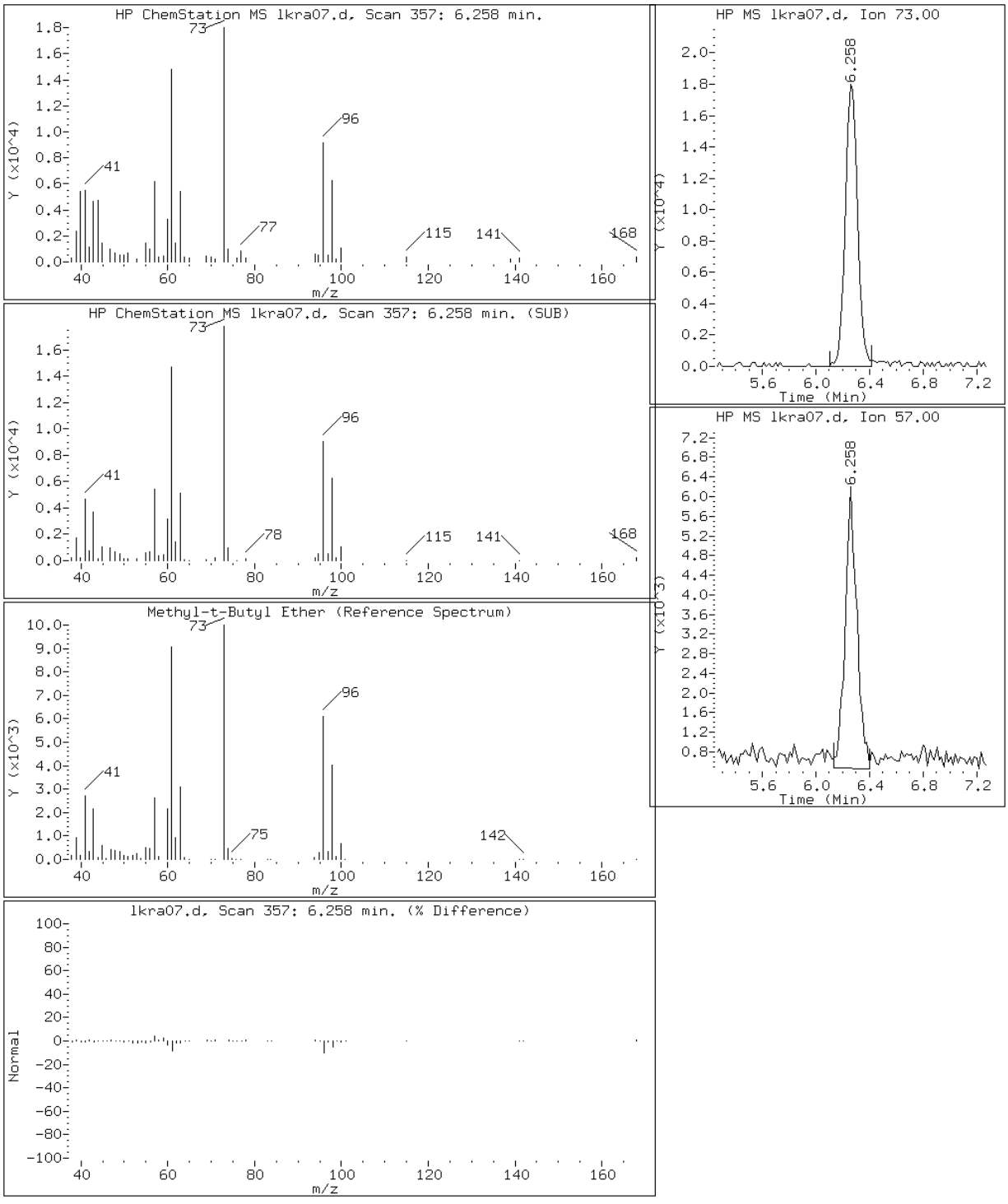
Data File: lkra07.d

Lab Sample ID: 200-24551-10 Date: 13-OCT-2014 11:42

Client ID: PW-52 Instrument: L.i

Sample Info: 200-24551-A-10 Operator: MTP

17 Methyl-t-Butyl Ether



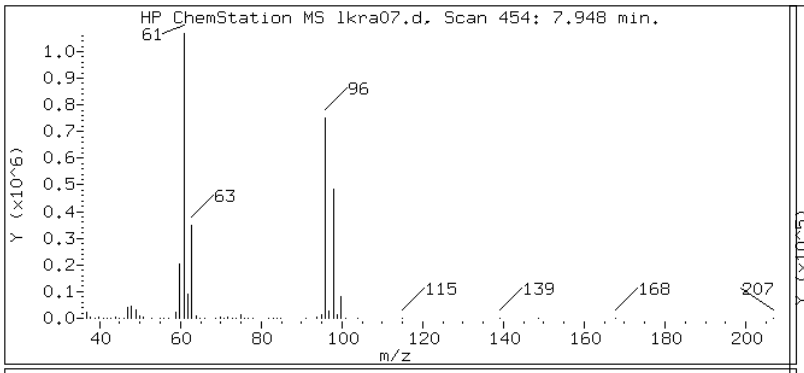
Data File: lkra07.d

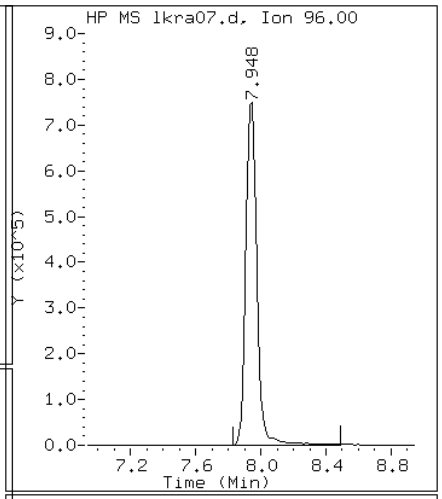
Lab Sample ID: 200-24551-10 Date: 13-OCT-2014 11:42

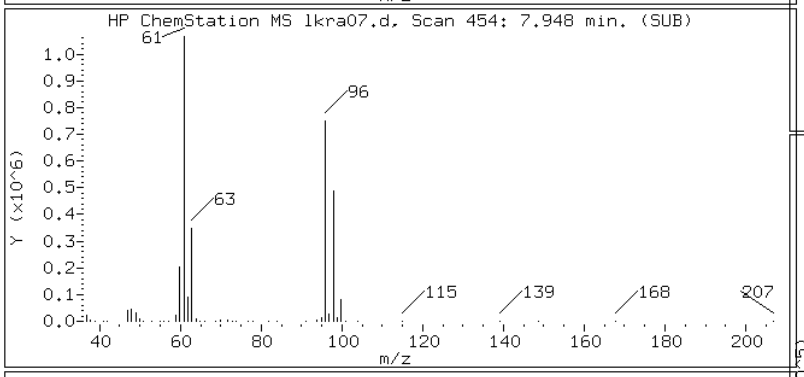
Client ID: PW-52 Instrument: L.i

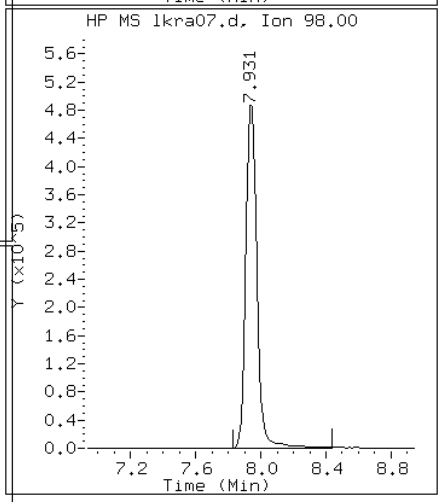
Sample Info: 200-24551-A-10 Operator: MTP

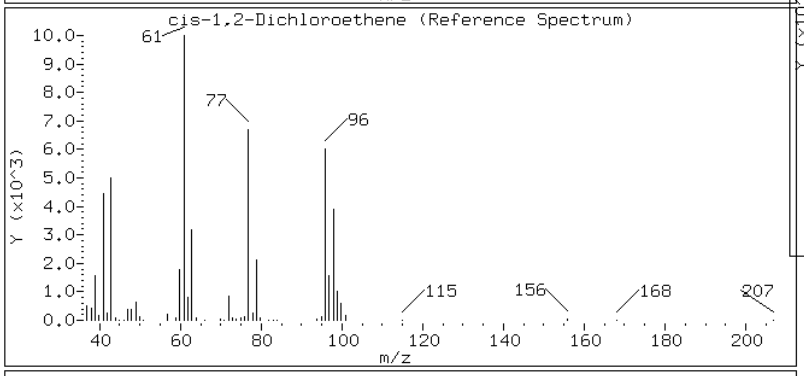
20 cis-1,2-Dichloroethene

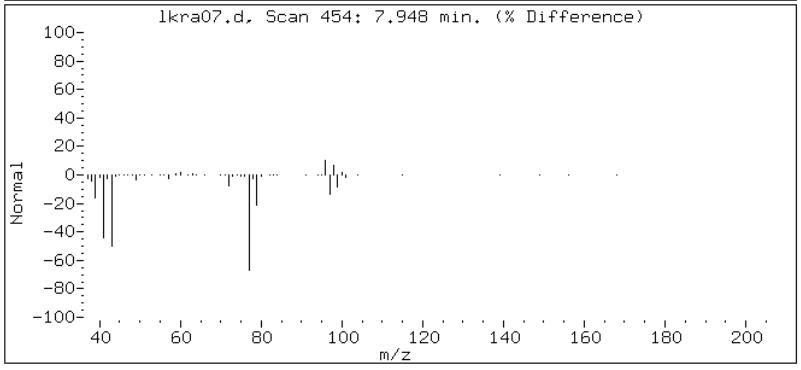












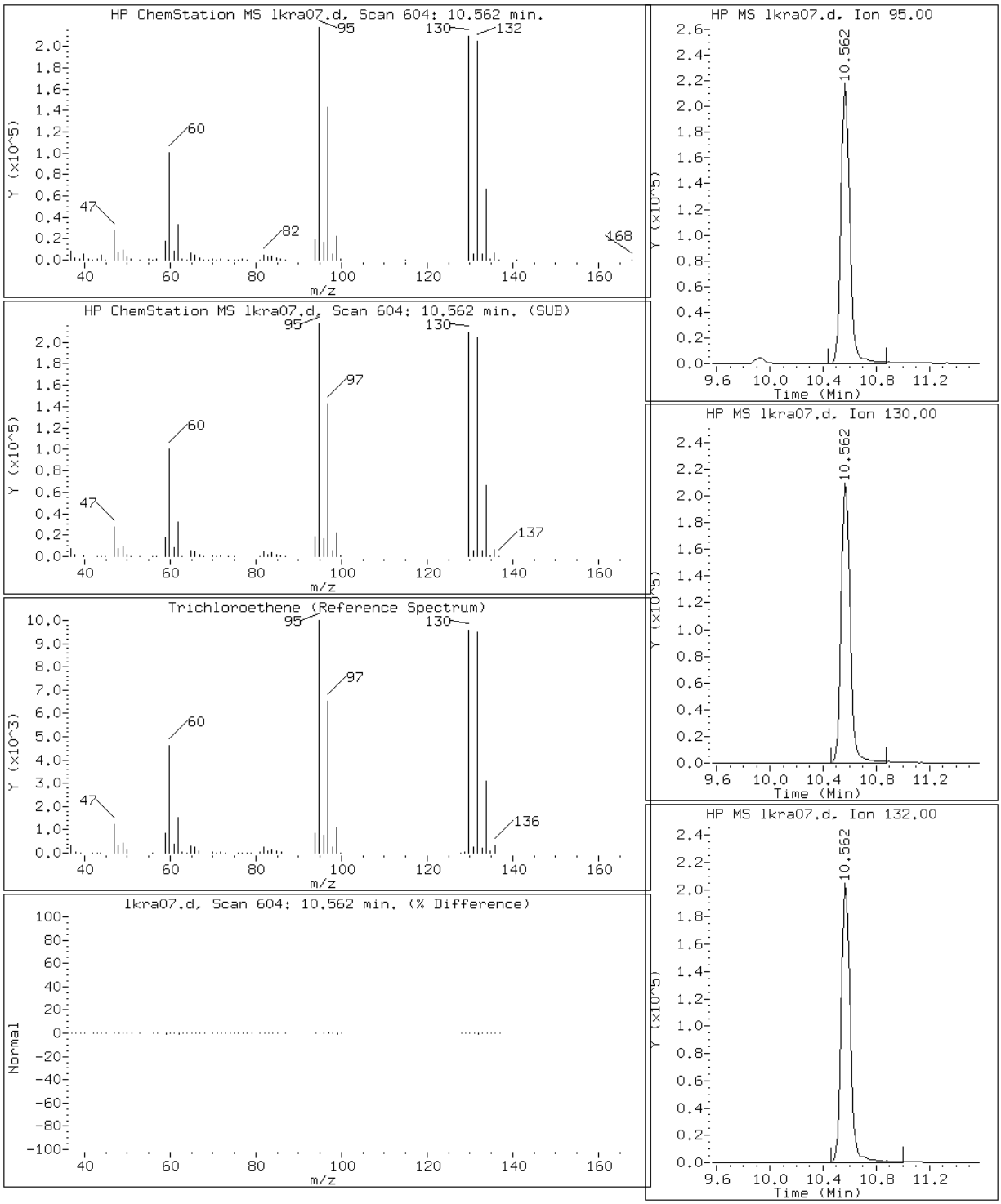
Data File: lkra07.d

Lab Sample ID: 200-24551-10 Date: 13-OCT-2014 11:42

Client ID: PW-52 Instrument: L.i

Sample Info: 200-24551-A-10 Operator: MTP

36 Trichloroethene



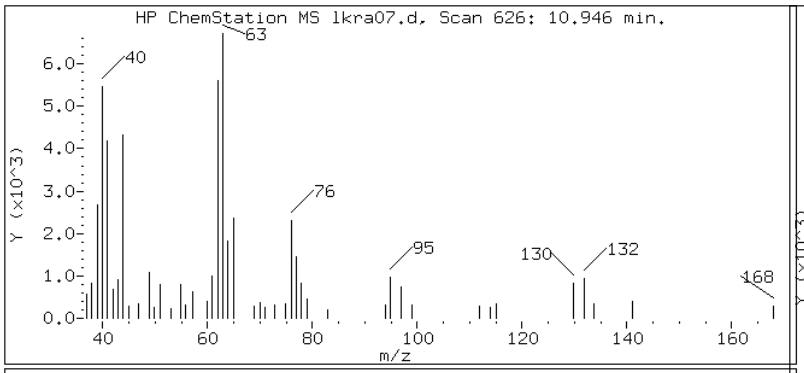
Data File: lkra07.d

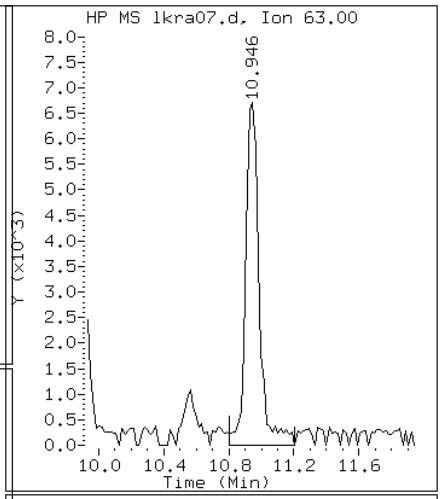
Lab Sample ID: 200-24551-10 Date: 13-OCT-2014 11:42

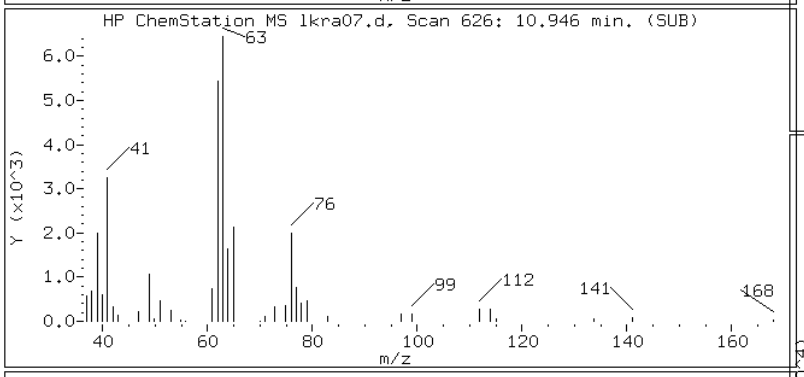
Client ID: PW-52 Instrument: L.i

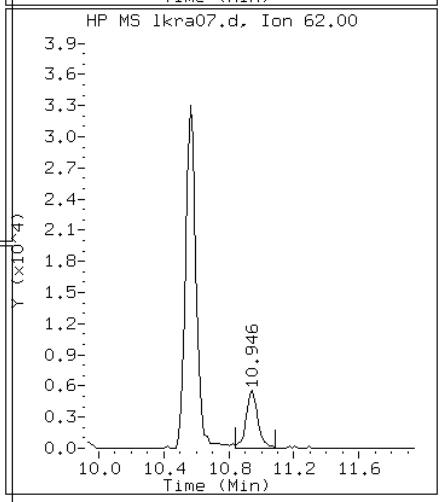
Sample Info: 200-24551-A-10 Operator: MTP

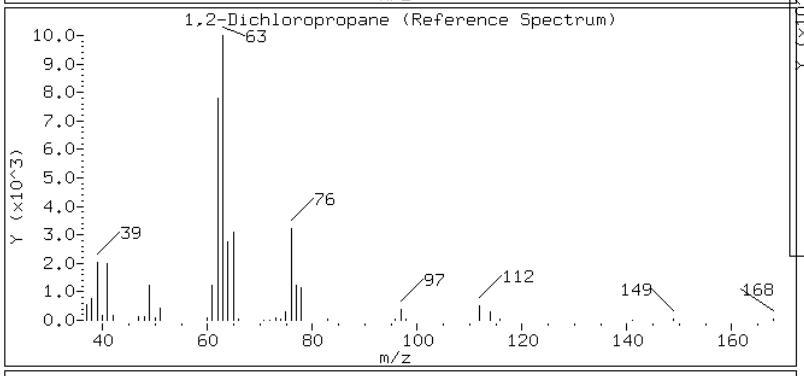
37 1,2-Dichloropropane

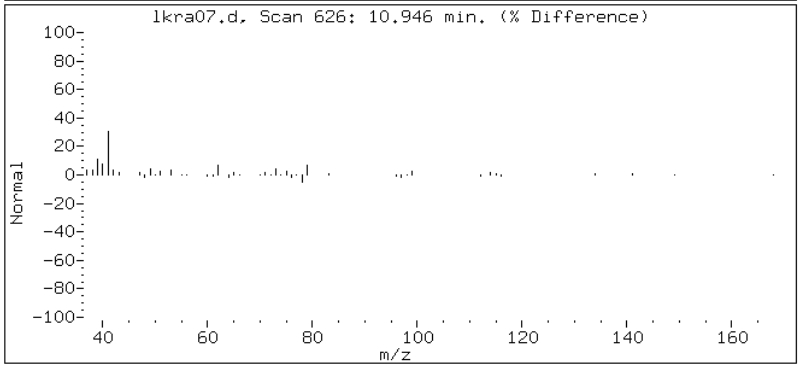








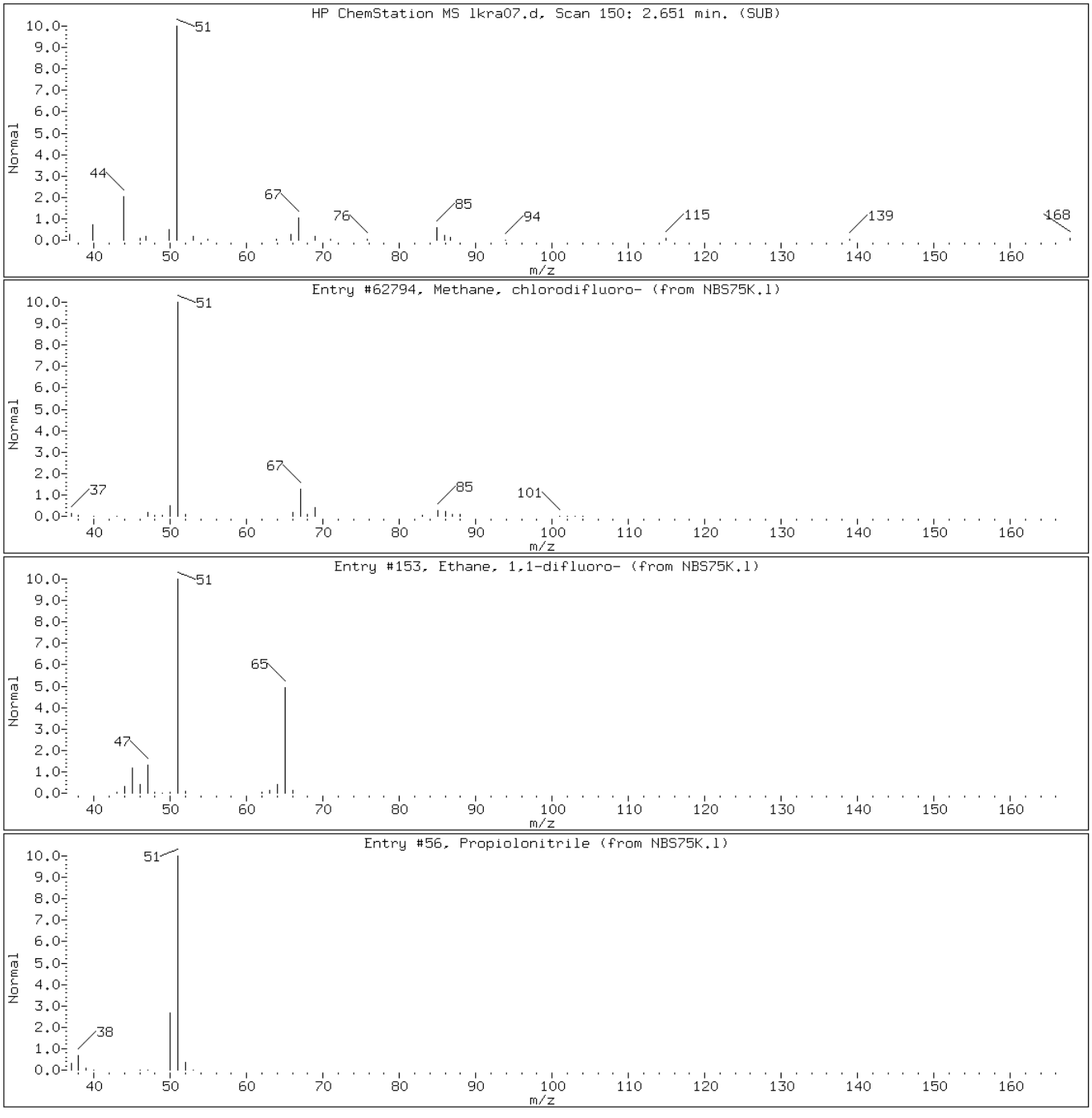




Data File: lkra07.d
Lab Sample ID: 200-24551-10 Date: 13-OCT-2014 11:42
Client ID: PW-52 Instrument: L.i
Sample Info: 200-24551-A-10 Operator: MTP

Retention Time: 2.65

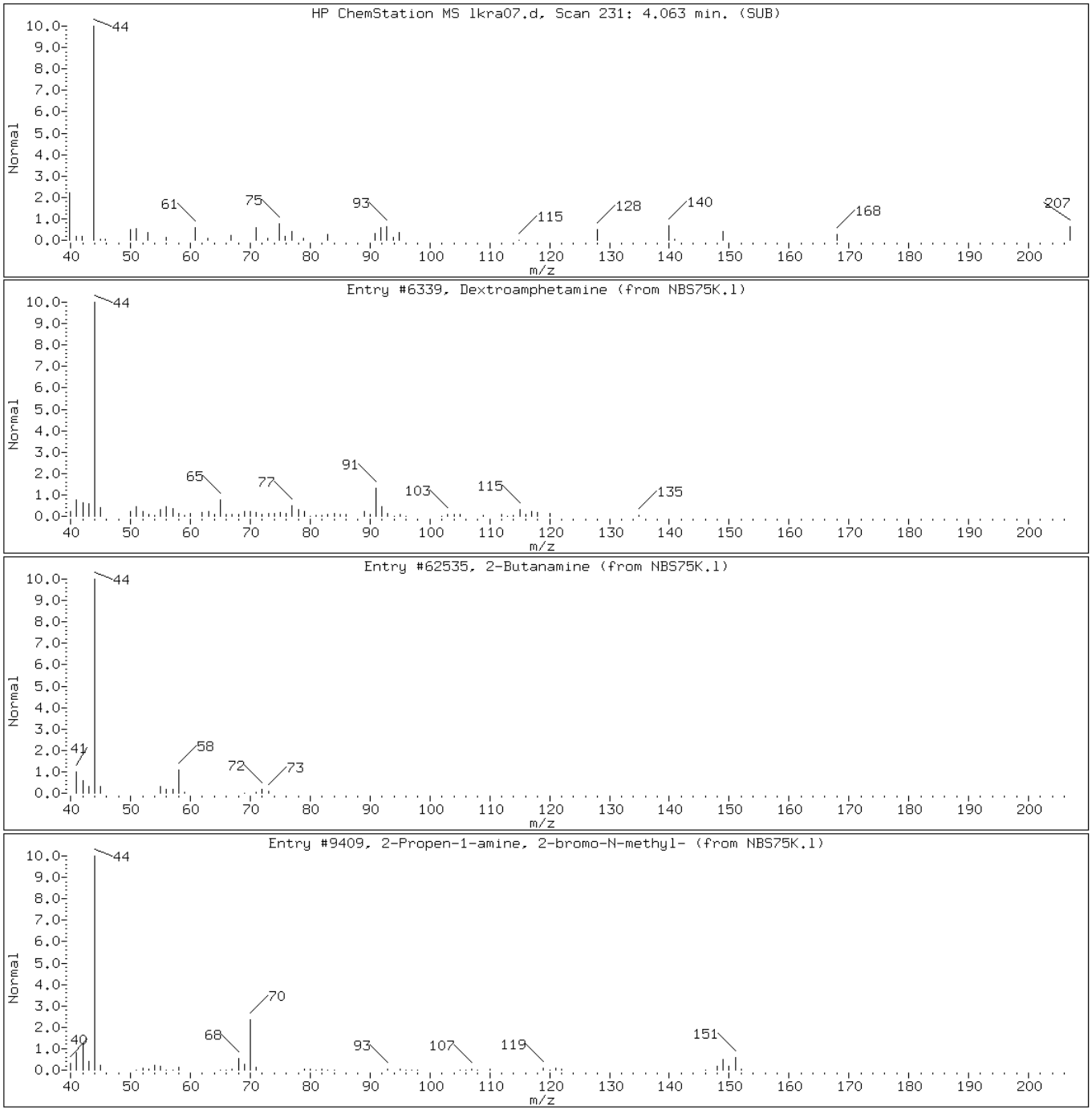
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Methane, chlorodifluoro-	75-45-6	NBS75K.l	62794	78	CHClF2	86
Ethane, 1,1-difluoro-	75-37-6	NBS75K.l	153	4	C2H4F2	66
Propiolonitrile	1070-71-9	NBS75K.l	56	4	C3HN	51



Data File: lkra07.d
Lab Sample ID: 200-24551-10 Date: 13-OCT-2014 11:42
Client ID: PW-52 Instrument: L.i
Sample Info: 200-24551-A-10 Operator: MTP

Retention Time: 4.06

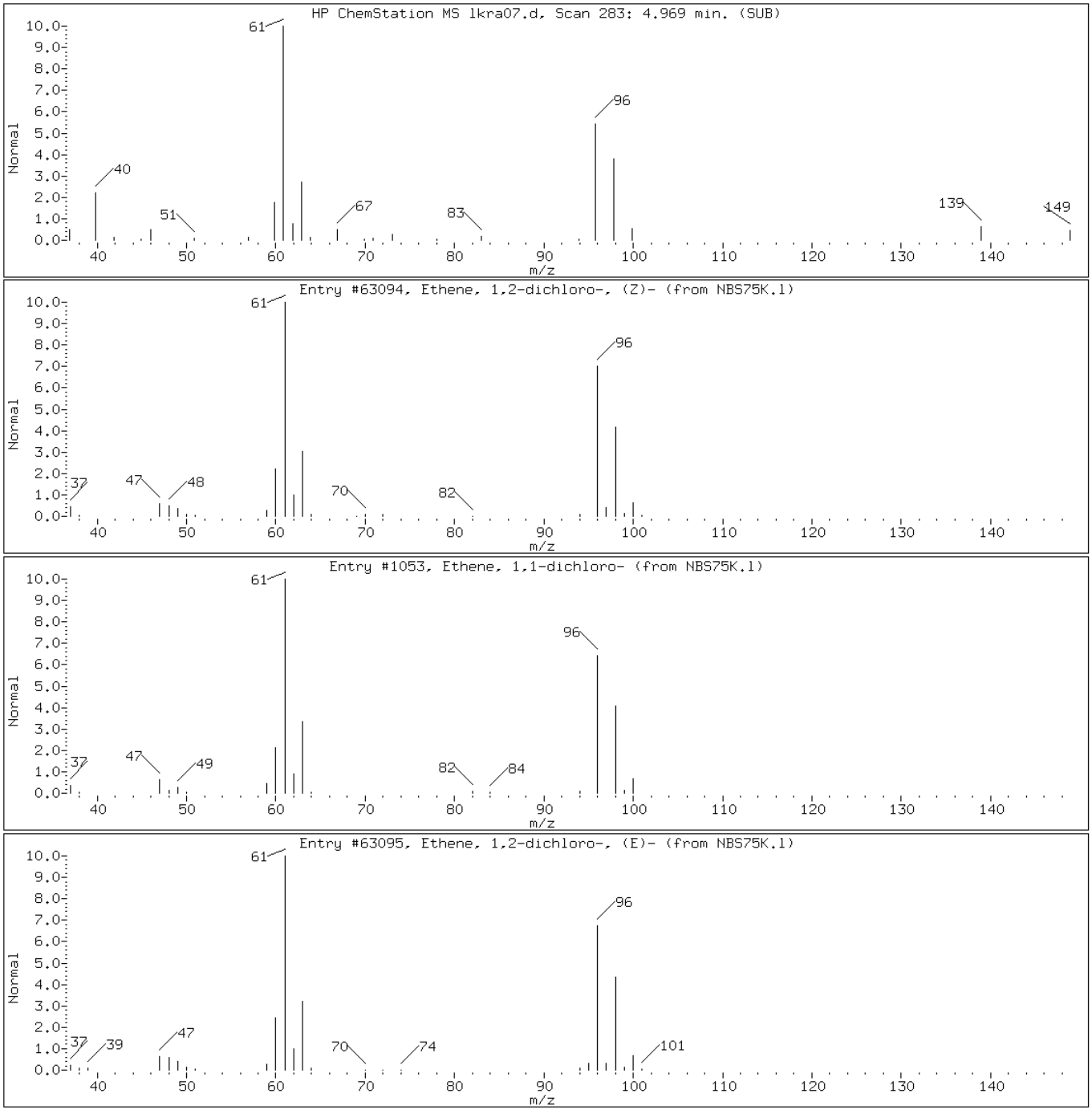
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Dextroamphetamine	51-64-9	NBS75K.l	6339	9	C9H13N	135
2-Butanamine	13952-84-6	NBS75K.l	62535	4	C4H11N	73
2-Propen-1-amine, 2-bromo-N-methyl	28952-70-7	NBS75K.l	9409	4	C4H8BrN	149



Data File: lkra07.d
Lab Sample ID: 200-24551-10 Date: 13-OCT-2014 11:42
Client ID: PW-52 Instrument: L.i
Sample Info: 200-24551-A-10 Operator: MTP

Retention Time: 4.97

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethene, 1,2-dichloro-, (Z)-	156-59-2	NBS75K.l	63094	90	C2H2Cl2	96
Ethene, 1,1-dichloro-	75-35-4	NBS75K.l	1053	90	C2H2Cl2	96
Ethene, 1,2-dichloro-, (E)-	156-60-5	NBS75K.l	63095	87	C2H2Cl2	96



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 DL | Lab Sample ID: 200-24551-10 DL

Matrix: Water | Lab File ID: lkrb06.d

Analysis Method: 524.2 | Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2014 10:33

Soil Aliquot Vol: | Dilution Factor: 4.2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 78697 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	2.1	U *	2.1	0.38
74-87-3	Chloromethane	2.1	U *	2.1	0.50
75-01-4	Vinyl chloride	2.1	U *	2.1	0.32
74-83-9	Bromomethane	2.1	U *	2.1	0.84
75-00-3	Chloroethane	2.1	U	2.1	0.92
75-69-4	Trichlorofluoromethane	2.1	U	2.1	0.42
60-29-7	Diethyl ether	2.1	U	2.1	0.28
75-35-4	1,1-Dichloroethene	2.1	U	2.1	0.31
67-64-1	Acetone	21	U *	21	3.5
74-88-4	Methyl iodide	2.1	U	2.1	0.55
75-15-0	Carbon disulfide	2.1	U	2.1	0.50
107-05-1	Allyl chloride	2.1	U	2.1	0.42
75-09-2	Methylene Chloride	2.1	U *	2.1	0.35
107-13-1	Acrylonitrile	2.1	U	2.1	0.67
75-65-0	t-Butyl alcohol	210	U	210	18
156-60-5	trans-1,2-Dichloroethene	2.1	U	2.1	0.30
1634-04-4	Methyl t-butyl ether	2.1	U	2.1	0.34
75-34-3	1,1-Dichloroethane	2.1	U	2.1	0.39
156-59-2	cis-1,2-Dichloroethene	79	D	2.1	0.37
594-20-7	2,2-Dichloropropane	2.1	U	2.1	0.67
78-93-3	2-Butanone	21	U	21	0.67
107-12-0	Propionitrile	110	U	110	12
96-33-3	Methyl acrylate	2.1	U	2.1	0.55
126-98-7	Methacrylonitrile	2.1	U	2.1	0.34
74-97-5	Bromochloromethane	2.1	U	2.1	0.32
109-99-9	Tetrahydrofuran	11	U	11	2.2
67-66-3	Chloroform	2.1	U	2.1	0.36
71-55-6	1,1,1-Trichloroethane	2.1	U	2.1	0.39
109-69-3	1-Chlorobutane	2.1	U	2.1	0.42
56-23-5	Carbon tetrachloride	2.1	U	2.1	0.50
563-58-6	1,1-Dichloropropene	2.1	U	2.1	0.50
71-43-2	Benzene	2.1	U	2.1	0.42
107-06-2	1,2-Dichloroethane	2.1	U	2.1	0.39
79-01-6	Trichloroethene	19	D	2.1	0.42
78-87-5	1,2-Dichloropropane	2.1	U	2.1	0.37
74-95-3	Dibromomethane	2.1	U	2.1	0.38

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 DL | Lab Sample ID: 200-24551-10 DL

Matrix: Water | Lab File ID: lkrb06.d

Analysis Method: 524.2 | Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2014 10:33

Soil Aliquot Vol: | Dilution Factor: 4.2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 78697 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
80-62-6	Methyl methacrylate	2.1	U	2.1	1.1
75-27-4	Bromodichloromethane	2.1	U	2.1	0.42
79-46-9	2-Nitropropane	42	U	42	5.5
107-14-2	Chloroacetonitrile	110	U	110	17
10061-01-5	cis-1,3-Dichloropropene	2.1	U	2.1	0.50
108-10-1	4-Methyl-2-pentanone (MIBK)	11	U	11	1.3
513-88-2	1,1-Dichloro-2-propanone	42	U	42	4.6
108-88-3	Toluene	2.1	U	2.1	0.42
10061-02-6	trans-1,3-Dichloropropene	2.1	U	2.1	0.34
97-63-2	Ethyl methacrylate	2.1	U	2.1	0.31
79-00-5	1,1,2-Trichloroethane	2.1	U	2.1	0.29
127-18-4	Tetrachloroethene	2.1	U	2.1	0.37
142-28-9	1,3-Dichloropropane	2.1	U	2.1	0.42
591-78-6	2-Hexanone	11	U	11	1.7
124-48-1	Dibromochloromethane	2.1	U	2.1	0.34
106-93-4	1,2-Dibromoethane	2.1	U	2.1	0.30
108-90-7	Chlorobenzene	2.1	U	2.1	0.39
630-20-6	1,1,1,2-Tetrachloroethane	2.1	U	2.1	0.42
100-41-4	Ethylbenzene	2.1	U	2.1	0.42
179601-23-1	m&p-Xylene	2.1	U	2.1	0.84
95-47-6	o-Xylene	2.1	U	2.1	0.39
100-42-5	Styrene	2.1	U	2.1	0.32
75-25-2	Bromoform	2.1	U	2.1	0.28
98-82-8	Isopropylbenzene	2.1	U	2.1	0.42
108-86-1	Bromobenzene	2.1	U	2.1	0.35
79-34-5	1,1,2,2-Tetrachloroethane	2.1	U	2.1	0.33
96-18-4	1,2,3-Trichloropropane	2.1	U	2.1	0.42
110-57-6	trans-1,4-Dichloro-2-butene	2.1	U	2.1	0.50
103-65-1	n-Propylbenzene	2.1	U	2.1	0.42
95-49-8	2-Chlorotoluene	2.1	U	2.1	0.42
106-43-4	4-Chlorotoluene	2.1	U	2.1	0.42
108-67-8	1,3,5-Trimethylbenzene	2.1	U	2.1	0.42
98-06-6	tert-Butylbenzene	2.1	U	2.1	0.37
76-01-7	Pentachloroethane	2.1	U	2.1	0.37
95-63-6	1,2,4-Trimethylbenzene	2.1	U	2.1	0.42
135-98-8	sec-Butylbenzene	2.1	U	2.1	0.38

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 DL | Lab Sample ID: 200-24551-10 DL

Matrix: Water | Lab File ID: lkrb06.d

Analysis Method: 524.2 | Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2014 10:33

Soil Aliquot Vol: | Dilution Factor: 4.2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 78697 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	*1,3-Dichlorobenzene*	*2.1*	*U*	*2.1*	*0.46*
99-87-6	*p-Isopropyltoluene*	*2.1*	*U*	*2.1*	*0.38*
106-46-7	*1,4-Dichlorobenzene*	*2.1*	*U*	*2.1*	*0.42*
95-50-1	*1,2-Dichlorobenzene*	*2.1*	*U*	*2.1*	*0.34*
104-51-8	*n-Butylbenzene*	*2.1*	*U*	*2.1*	*0.55*
67-72-1	*Hexachloroethane*	*2.1*	*U*	*2.1*	*0.50*
96-12-8	*1,2-Dibromo-3-Chloropropane*	*2.1*	*U*	*2.1*	*0.42*
98-95-3	*Nitrobenzene*	*110*	*U*	*110*	*15*
108-70-3	*1,3,5-Trichlorobenzene*	*2.1*	*U*	*2.1*	*0.42*
120-82-1	*1,2,4-Trichlorobenzene*	*2.1*	*U*	*2.1*	*0.35*
87-68-3	*Hexachlorobutadiene*	*2.1*	*U*	*2.1*	*0.37*
91-20-3	*Naphthalene*	*2.1*	*U*	*2.1*	*0.26*
87-61-6	*1,2,3-Trichlorobenzene*	*2.1*	*U*	*2.1*	*0.42*

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 DL Lab Sample ID: 200-24551-10 DL

Matrix: Water Lab File ID: lkrb06.d

Analysis Method: 524.2 Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2014 10:33

Soil Aliquot Vol: Dilution Factor: 4.2

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78697 Units: ug/L

Number TICs Found: 1 TIC Result Total: 3.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	5.31	3.1	D J

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-24551-10
Client Smp ID: PW-52
Inj Date : 14-OCT-2014 10:33
Operator : MTP Inst ID: L.i
Smp Info : 200-24551-B-10
Misc Info : 4.2,5
Comment :
Method : /chem/L.i/Lsvr.p/lkrb524.b/524v1.m
Meth Date : 14-Oct-2014 09:41 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 16:32 Cal File: lkr04.d
Als bottle: 6
Dil Factor: 4.20000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	4.20000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Diethyl Ether	59	Compound Not Detected.					
8 1,1-Dichloroethene	96	Compound Not Detected.					
9 Acetone	43	Compound Not Detected.					
10 Methyl Iodide	142	Compound Not Detected.					
11 Carbon Disulfide	76	Compound Not Detected.					
12 Allyl Chloride	41	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 t-Butyl Alcohol	59	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
15	trans-1,2-Dichloroethene	96	Compound Not Detected.					
16	Acrylonitrile	53	Compound Not Detected.					
17	Methyl-t-Butyl Ether	73	Compound Not Detected.					
18	1,1-Dichloroethane	63	Compound Not Detected.					
19	2,2-Dichloropropane	77	Compound Not Detected.					
20	cis-1,2-Dichloroethene	96	7.945	7.944	(0.801)	763518	18.7364	79
21	2-Butanone	72	Compound Not Detected.					
22	Propionitrile	54	Compound Not Detected.					
23	Methyl Acrylate	55	Compound Not Detected.					
24	Bromochloromethane	128	Compound Not Detected.					
25	Methacrylonitrile	67	Compound Not Detected.					
26	Tetrahydrofuran	42	Compound Not Detected.					
27	Chloroform	83	Compound Not Detected.					
28	1,1,1-Trichloroethane	97	Compound Not Detected.					
29	1-Chlorobutane	56	Compound Not Detected.					
30	Carbon Tetrachloride	117	Compound Not Detected.					
31	1,1-Dichloropropene	75	Compound Not Detected.					
* 32	1,2-Dichloroethane-d4 ISTD	65	9.321	9.338	(1.000)	64817	2.00000	
33	Benzene	78	Compound Not Detected.					
34	1,2-Dichloroethane	62	Compound Not Detected.					
* 35	Fluorobenzene	96	9.914	9.931	(1.000)	278502	2.00000	
36	Trichloroethene	95	10.576	10.576	(1.067)	221252	4.47817	19
37	1,2-Dichloropropane	63	Compound Not Detected.					
38	Dibromomethane	93	Compound Not Detected.					
39	Methyl Methacrylate	69	Compound Not Detected.					
40	Bromodichloromethane	83	Compound Not Detected.					
41	2-Nitropropane	41	Compound Not Detected.					
42	Chloroacetonitrile	75	Compound Not Detected.					
43	cis-1,3-Dichloropropene	75	Compound Not Detected.					
44	4-Methyl-2-Pentanone	58	Compound Not Detected.					
45	1,1-Dichloropropanone	83	Compound Not Detected.					
* 46	Toluene-d8 (IS)	98	12.754	12.754	(1.000)	218212	2.00000	
47	Toluene	92	Compound Not Detected.					
48	trans-1,3-Dichloropropene	75	Compound Not Detected.					
49	Ethyl Methacrylate	69	Compound Not Detected.					
50	1,1,2-Trichloroethane	83	Compound Not Detected.					
51	Tetrachloroethene	166	Compound Not Detected.					
52	1,3-Dichloropropane	76	Compound Not Detected.					
53	2-Hexanone	43	Compound Not Detected.					
54	Dibromochloromethane	129	Compound Not Detected.					
55	1,2-Dibromoethane	107	Compound Not Detected.					
* 56	Chlorobenzene-d5	117	15.664	15.664	(1.000)	208453	2.00000	
57	Chlorobenzene	112	Compound Not Detected.					
58	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
59	Ethylbenzene	91	Compound Not Detected.					
60	m- & p-Xylene	106	Compound Not Detected.					
61	o-Xylene	106	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
M	62 Xylene (total)	106	Compound Not Detected.					
	63 Styrene	104	Compound Not Detected.					
	64 Bromoform	172	Compound Not Detected.					
	65 Isopropylbenzene	105	Compound Not Detected.					
*	66 4-Bromofluorobenzene (IS)	95	18.312	18.312	(1.000)	138406	2.00000	
	67 Bromobenzene	156	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,2,3-Trichloropropane	110	Compound Not Detected.					
	70 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.					
	71 n-Propylbenzene	120	Compound Not Detected.					
	72 2-Chlorotoluene	126	Compound Not Detected.					
	73 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	74 4-Chlorotoluene	126	Compound Not Detected.					
	75 tert-Butylbenzene	134	Compound Not Detected.					
	76 Pentachloroethane	167	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	78 sec-Butylbenzene	105	Compound Not Detected.					
	79 1,3-Dichlorobenzene	146	Compound Not Detected.					
	80 p-Isopropyltoluene	119	Compound Not Detected.					
*	81 1,4-Dichlorobenzene-d4	152	20.003	20.002	(1.000)	102191	2.00000	
	82 1,4-Dichlorobenzene	146	Compound Not Detected.					
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.438	20.438	(1.000)	88565	2.00000	
	84 1,2-Dichlorobenzene	146	Compound Not Detected.					
	85 n-Butylbenzene	91	Compound Not Detected.					
	86 Hexachloroethane	117	Compound Not Detected.					
	87 1,2-Dibromo-3-Chloropropane	155	Compound Not Detected.					
	88 1,3,5 Trichlorobenzene	180	Compound Not Detected.					
	89 Nitrobenzene	77	Compound Not Detected.					
	90 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	91 Hexachlorobutadiene	224	Compound Not Detected.					
	92 Naphthalene	128	Compound Not Detected.					
	93 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-24551-10
Client Smp ID: PW-52
Inj Date : 14-OCT-2014 10:33
Operator : MTP Inst ID: L.i
Smp Info : 200-24551-B-10
Misc Info : 4.2,5
Comment :
Method : /chem/L.i/Lsvr.p/lkrb524.b/524v1.m
Meth Date : 14-Oct-2014 09:41 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 16:32 Cal File: lkr04.d
Als bottle: 6
Dil Factor: 4.20000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

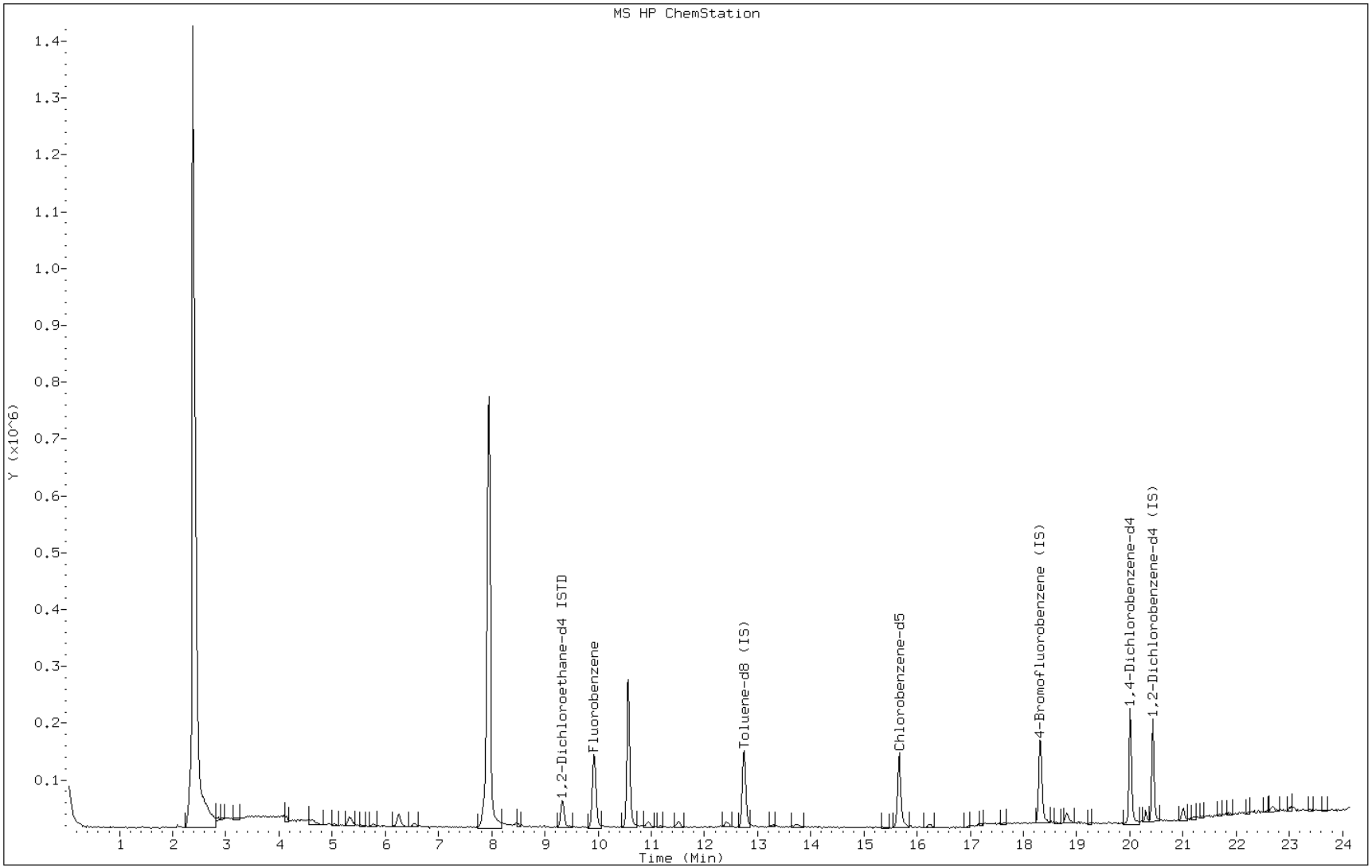
Name	Value	Description
DF	4.20000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,2-Dichloroethane-d4 I	9.321	231249	2.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
5.313	84789	0.73330614	3.1	0		0	32

Data File:	lkrb06.d	Date:	14-OCT-2014 10:33
Client ID:	PW-52DL	Instrument:	L.i
Operator:	MTP	Inj Vol:	5.0
Column Type:	Capillary	Diameter:	0.53
Stationary Phase:	DB-624		
Sample Info:	200-24551-B-10		
Lab Sample ID:	200-24551-10		



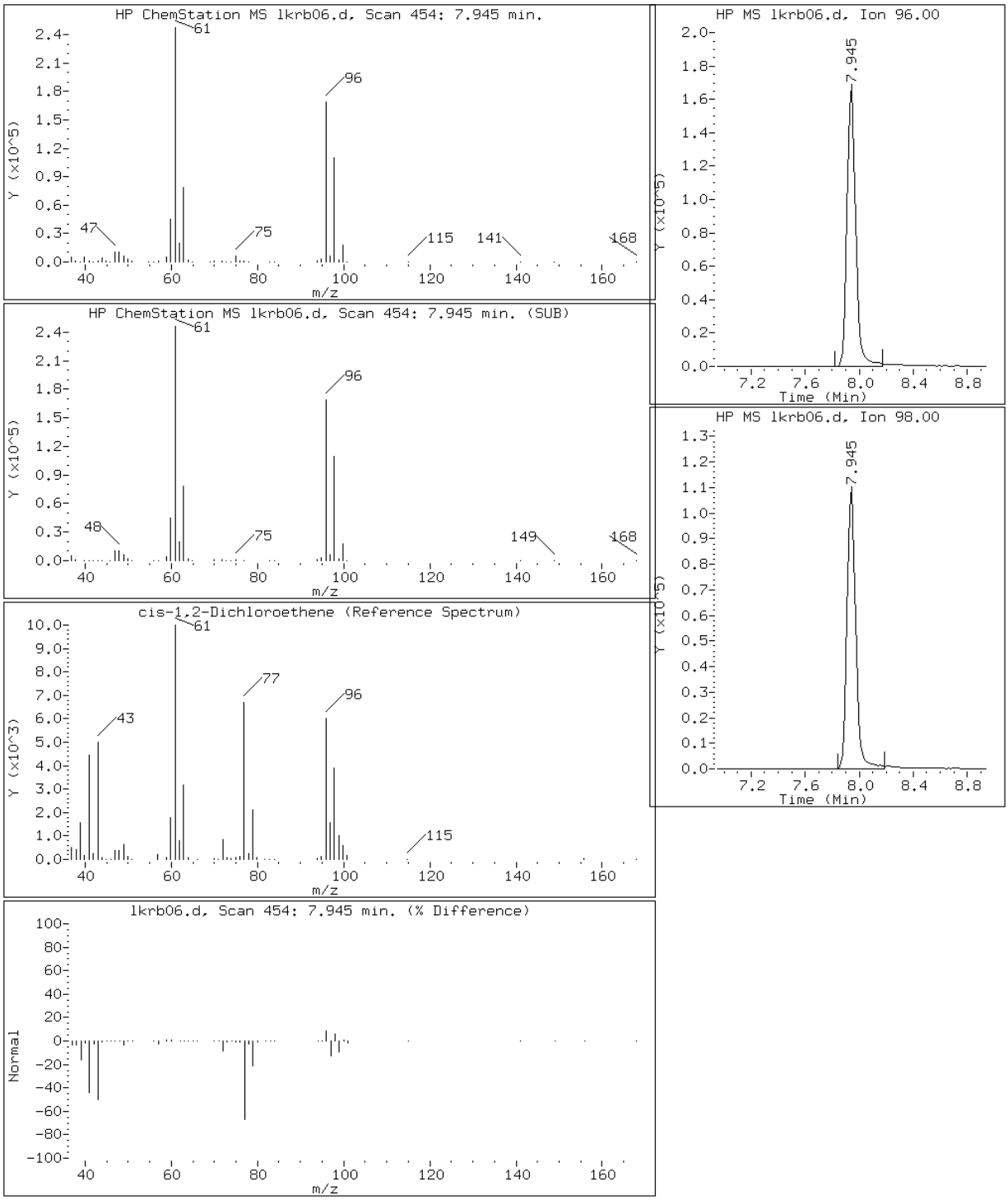
Data File: lkrb06.d

Lab Sample ID: 200-24551-10 Date: 14-OCT-2014 10:33

Client ID: PW-52DL Instrument: L.i

Sample Info: 200-24551-B-10 Operator: MTP

20 cis-1,2-Dichloroethene



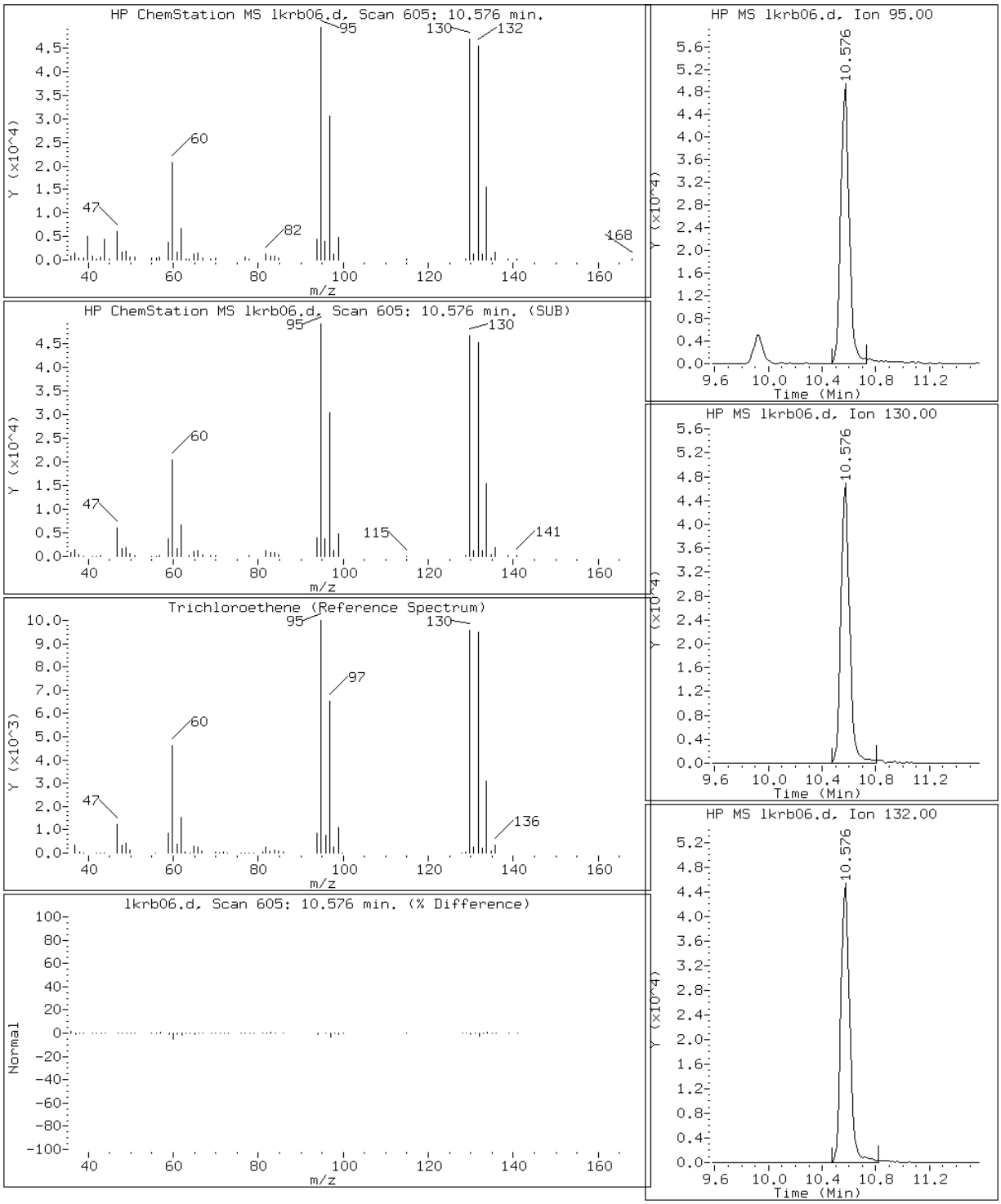
Data File: lkrb06.d

Lab Sample ID: 200-24551-10 Date: 14-OCT-2014 10:33

Client ID: PW-52DL Instrument: L.i

Sample Info: 200-24551-B-10 Operator: MTP

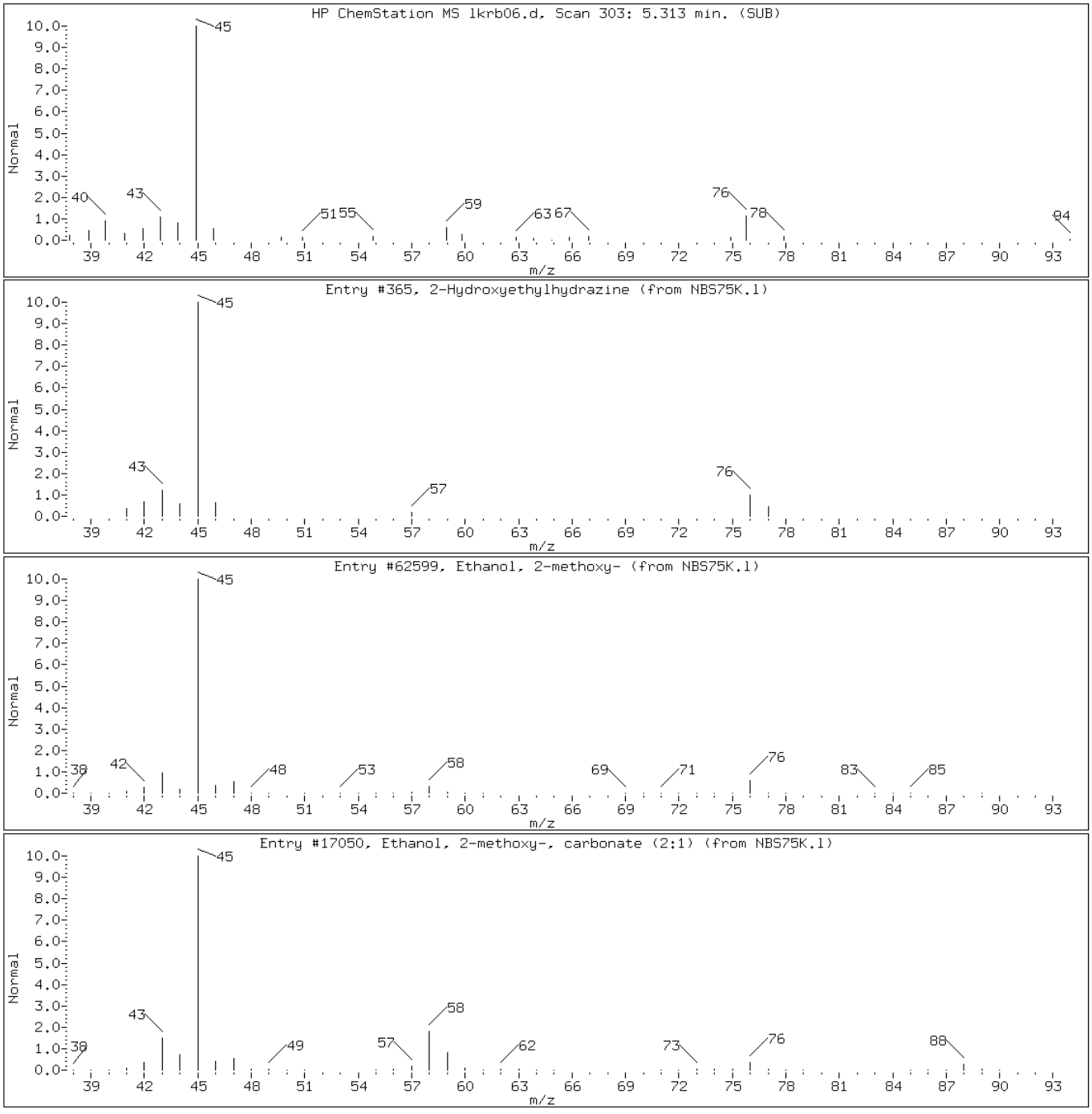
36 Trichloroethene



Data File: lkrb06.d
Lab Sample ID: 200-24551-10 Date: 14-OCT-2014 10:33
Client ID: PW-52DL Instrument: L.i
Sample Info: 200-24551-B-10 Operator: MTP

Retention Time: 5.31

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Hydroxyethylhydrazine	109-84-2	NBS75K.l	365	72	C2H8N2O	76
Ethanol, 2-methoxy-	109-86-4	NBS75K.l	62599	9	C3H8O2	76
Ethanol, 2-methoxy-, carbonate (2:	626-84-6	NBS75K.l	17050	9	C7H14O5	178



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-53 | Lab Sample ID: 200-24551-11

Matrix: Water | Lab File ID: lkra10.d

Analysis Method: 524.2 | Date Collected: 10/01/2014 12:01

Sample wt/vol: 5(mL) | Date Analyzed: 10/13/2014 13:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 78664 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U *	0.50	0.090
74-87-3	Chloromethane	0.50	U *	0.50	0.12
75-01-4	Vinyl chloride	0.50	U *	0.50	0.076
74-83-9	Bromomethane	0.50	U *	0.50	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.22
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.10
60-29-7	Diethyl ether	0.50	U	0.50	0.066
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.074
67-64-1	Acetone	5.0	U	5.0	0.84
74-88-4	Methyl iodide	0.50	U	0.50	0.13
75-15-0	Carbon disulfide	0.50	U	0.50	0.12
107-05-1	Allyl chloride	0.50	U	0.50	0.10
75-09-2	Methylene Chloride	0.50	U *	0.50	0.084
107-13-1	Acrylonitrile	0.50	U	0.50	0.16
75-65-0	t-Butyl alcohol	50	U	50	4.4
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.071
1634-04-4	Methyl t-butyl ether	0.50	U	0.50	0.080
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.094
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.087
594-20-7	2,2-Dichloropropane	0.50	U	0.50	0.16
78-93-3	2-Butanone	5.0	U	5.0	0.16
107-12-0	Propionitrile	25	U	25	2.9
96-33-3	Methyl acrylate	0.50	U	0.50	0.13
126-98-7	Methacrylonitrile	0.50	U	0.50	0.081
74-97-5	Bromochloromethane	0.50	U	0.50	0.076
109-99-9	Tetrahydrofuran	2.5	U	2.5	0.52
67-66-3	Chloroform	0.50	U	0.50	0.085
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.092
109-69-3	1-Chlorobutane	0.50	U	0.50	0.10
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.12
563-58-6	1,1-Dichloropropene	0.50	U	0.50	0.12
71-43-2	Benzene	0.50	U	0.50	0.10
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.092
79-01-6	Trichloroethene	0.50	U	0.50	0.10
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.087
74-95-3	Dibromomethane	0.50	U	0.50	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-53 Lab Sample ID: 200-24551-11

Matrix: Water Lab File ID: lkra10.d

Analysis Method: 524.2 Date Collected: 10/01/2014 12:01

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 13:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
80-62-6	Methyl methacrylate	0.50	U	0.50	0.25
75-27-4	Bromodichloromethane	0.50	U	0.50	0.10
79-46-9	2-Nitropropane	10	U	10	1.3
107-14-2	Chloroacetonitrile	25	U	25	4.1
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.12
108-10-1	4-Methyl-2-pentanone (MIBK)	2.5	U	2.5	0.32
513-88-2	1,1-Dichloro-2-propanone	10	U	10	1.1
108-88-3	Toluene	0.50	U	0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.082
97-63-2	Ethyl methacrylate	0.50	U	0.50	0.073
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.070
127-18-4	Tetrachloroethene	0.50	U	0.50	0.089
142-28-9	1,3-Dichloropropane	0.50	U	0.50	0.10
591-78-6	2-Hexanone	2.5	U	2.5	0.40
124-48-1	Dibromochloromethane	0.50	U	0.50	0.081
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.072
108-90-7	Chlorobenzene	0.50	U	0.50	0.093
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U	0.50	0.10
100-41-4	Ethylbenzene	0.50	U	0.50	0.10
179601-23-1	m&p-Xylene	0.50	U	0.50	0.20
95-47-6	o-Xylene	0.50	U	0.50	0.092
100-42-5	Styrene	0.50	U	0.50	0.075
75-25-2	Bromoform	0.50	U	0.50	0.067
98-82-8	Isopropylbenzene	0.50	U	0.50	0.10
108-86-1	Bromobenzene	0.50	U	0.50	0.083
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.078
96-18-4	1,2,3-Trichloropropane	0.50	U	0.50	0.10
110-57-6	trans-1,4-Dichloro-2-butene	0.50	U	0.50	0.12
103-65-1	n-Propylbenzene	0.50	U	0.50	0.10
95-49-8	2-Chlorotoluene	0.50	U	0.50	0.10
106-43-4	4-Chlorotoluene	0.50	U	0.50	0.10
108-67-8	1,3,5-Trimethylbenzene	0.50	U	0.50	0.10
98-06-6	tert-Butylbenzene	0.50	U	0.50	0.089
76-01-7	Pentachloroethane	0.50	U	0.50	0.089
95-63-6	1,2,4-Trimethylbenzene	0.50	U	0.50	0.10
135-98-8	sec-Butylbenzene	0.50	U	0.50	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-53 | Lab Sample ID: 200-24551-11

Matrix: Water | Lab File ID: lkra10.d

Analysis Method: 524.2 | Date Collected: 10/01/2014 12:01

Sample wt/vol: 5(mL) | Date Analyzed: 10/13/2014 13:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 78664 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.11
99-87-6	p-Isopropyltoluene	0.50	U	0.50	0.090
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.10
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.081
104-51-8	n-Butylbenzene	0.50	U	0.50	0.13
67-72-1	Hexachloroethane	0.50	U	0.50	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U	0.50	0.10
98-95-3	Nitrobenzene	25	U	25	3.6
108-70-3	1,3,5-Trichlorobenzene	0.50	U	0.50	0.10
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.083
87-68-3	Hexachlorobutadiene	0.50	U	0.50	0.089
91-20-3	Naphthalene	0.50	U	0.50	0.062
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-53 Lab Sample ID: 200-24551-11

Matrix: Water Lab File ID: lkra10.d

Analysis Method: 524.2 Date Collected: 10/01/2014 12:01

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 13:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

Number TICs Found: 1 TIC Result Total: 3.7

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.87	3.7	J

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-24551-11
Client Smp ID: PW-53
Inj Date : 13-OCT-2014 13:19
Operator : MTP Inst ID: L.i
Smp Info : 200-24551-A-11
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkra524.b/524v1.m
Meth Date : 13-Oct-2014 10:35 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 18:43 Cal File: lkr08.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Diethyl Ether	59	Compound Not Detected.					
8 1,1-Dichloroethene	96	Compound Not Detected.					
9 Acetone	43	Compound Not Detected.					
10 Methyl Iodide	142	Compound Not Detected.					
11 Carbon Disulfide	76	Compound Not Detected.					
12 Allyl Chloride	41	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 t-Butyl Alcohol	59	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
15	trans-1,2-Dichloroethene	96	Compound Not Detected.					
16	Acrylonitrile	53	Compound Not Detected.					
17	Methyl-t-Butyl Ether	73	Compound Not Detected.					
18	1,1-Dichloroethane	63	Compound Not Detected.					
19	2,2-Dichloropropane	77	Compound Not Detected.					
20	cis-1,2-Dichloroethene	96	Compound Not Detected.					
21	2-Butanone	72	Compound Not Detected.					
22	Propionitrile	54	Compound Not Detected.					
23	Methyl Acrylate	55	Compound Not Detected.					
24	Bromochloromethane	128	Compound Not Detected.					
25	Methacrylonitrile	67	Compound Not Detected.					
26	Tetrahydrofuran	42	Compound Not Detected.					
27	Chloroform	83	Compound Not Detected.					
28	1,1,1-Trichloroethane	97	Compound Not Detected.					
29	1-Chlorobutane	56	Compound Not Detected.					
30	Carbon Tetrachloride	117	Compound Not Detected.					
31	1,1-Dichloropropene	75	Compound Not Detected.					
* 32	1,2-Dichloroethane-d4 ISTD	65	9.330	9.338	(1.000)	69594	2.00000	
33	Benzene	78	Compound Not Detected.					
34	1,2-Dichloroethane	62	Compound Not Detected.					
* 35	Fluorobenzene	96	9.922	9.931	(1.000)	291730	2.00000	
36	Trichloroethene	95	Compound Not Detected.					
37	1,2-Dichloropropane	63	Compound Not Detected.					
38	Dibromomethane	93	Compound Not Detected.					
39	Methyl Methacrylate	69	Compound Not Detected.					
40	Bromodichloromethane	83	Compound Not Detected.					
41	2-Nitropropane	41	Compound Not Detected.					
42	Chloroacetonitrile	75	Compound Not Detected.					
43	cis-1,3-Dichloropropene	75	Compound Not Detected.					
44	4-Methyl-2-Pentanone	58	Compound Not Detected.					
45	1,1-Dichloropropanone	83	Compound Not Detected.					
* 46	Toluene-d8 (IS)	98	12.745	12.754	(1.000)	236586	2.00000	
47	Toluene	92	Compound Not Detected.					
48	trans-1,3-Dichloropropene	75	Compound Not Detected.					
49	Ethyl Methacrylate	69	Compound Not Detected.					
50	1,1,2-Trichloroethane	83	Compound Not Detected.					
51	Tetrachloroethene	166	Compound Not Detected.					
52	1,3-Dichloropropane	76	Compound Not Detected.					
53	2-Hexanone	43	Compound Not Detected.					
54	Dibromochloromethane	129	Compound Not Detected.					
55	1,2-Dibromoethane	107	Compound Not Detected.					
* 56	Chlorobenzene-d5	117	15.672	15.664	(1.000)	219537	2.00000	
57	Chlorobenzene	112	Compound Not Detected.					
58	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
59	Ethylbenzene	91	Compound Not Detected.					
60	m- & p-Xylene	106	Compound Not Detected.					
61	o-Xylene	106	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
M	62 Xylene (total)	106	Compound Not Detected.					
	63 Styrene	104	Compound Not Detected.					
	64 Bromoform	172	Compound Not Detected.					
	65 Isopropylbenzene	105	Compound Not Detected.					
*	66 4-Bromofluorobenzene (IS)	95	18.321	18.312	(1.000)	149102	2.00000	
	67 Bromobenzene	156	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,2,3-Trichloropropane	110	Compound Not Detected.					
	70 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.					
	71 n-Propylbenzene	120	Compound Not Detected.					
	72 2-Chlorotoluene	126	Compound Not Detected.					
	73 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	74 4-Chlorotoluene	126	Compound Not Detected.					
	75 tert-Butylbenzene	134	Compound Not Detected.					
	76 Pentachloroethane	167	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	78 sec-Butylbenzene	105	Compound Not Detected.					
	79 1,3-Dichlorobenzene	146	Compound Not Detected.					
	80 p-Isopropyltoluene	119	Compound Not Detected.					
*	81 1,4-Dichlorobenzene-d4	152	20.011	20.002	(1.000)	110183	2.00000	
	82 1,4-Dichlorobenzene	146	Compound Not Detected.					
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.447	20.438	(1.000)	95319	2.00000	
	84 1,2-Dichlorobenzene	146	Compound Not Detected.					
	85 n-Butylbenzene	91	Compound Not Detected.					
	86 Hexachloroethane	117	Compound Not Detected.					
	87 1,2-Dibromo-3-Chloropropane	155	Compound Not Detected.					
	88 1,3,5 Trichlorobenzene	180	Compound Not Detected.					
	89 Nitrobenzene	77	Compound Not Detected.					
	90 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	91 Hexachlorobutadiene	224	Compound Not Detected.					
	92 Naphthalene	128	Compound Not Detected.					
	93 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-24551-11
Client Smp ID: PW-53
Inj Date : 13-OCT-2014 13:19
Operator : MTP Inst ID: L.i
Smp Info : 200-24551-A-11
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkra524.b/524v1.m
Meth Date : 13-Oct-2014 10:35 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 18:43 Cal File: lkr08.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

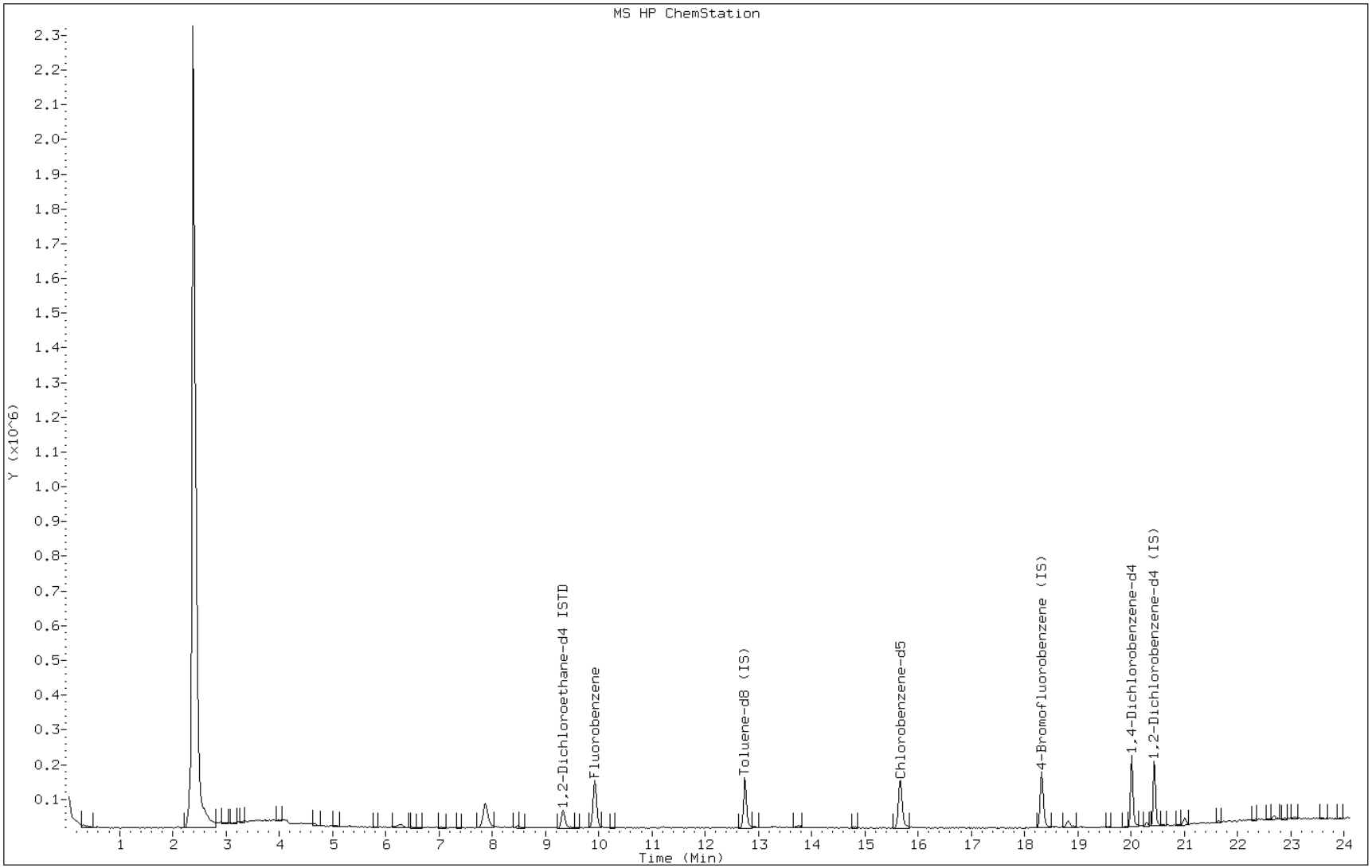
Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,2-Dichloroethane-d4 I	9.330	255215	2.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.866	473265	3.70873990	3.7	0		0	32

Data File: lkra10.d
Client ID: PW-53
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 200-24551-A-11
Lab Sample ID: 200-24551-11

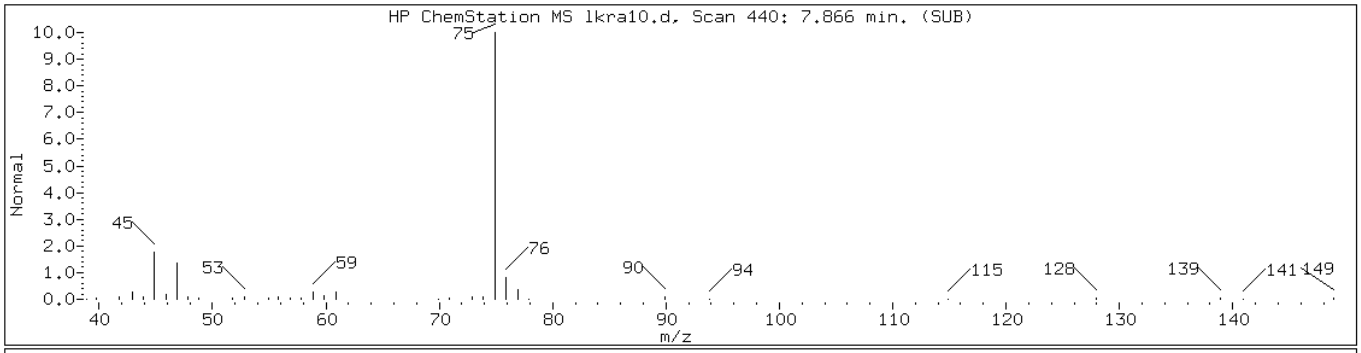
Date: 13-OCT-2014 13:19
Instrument: L.i
Inj Vol: 5.0
Diameter: 0.53

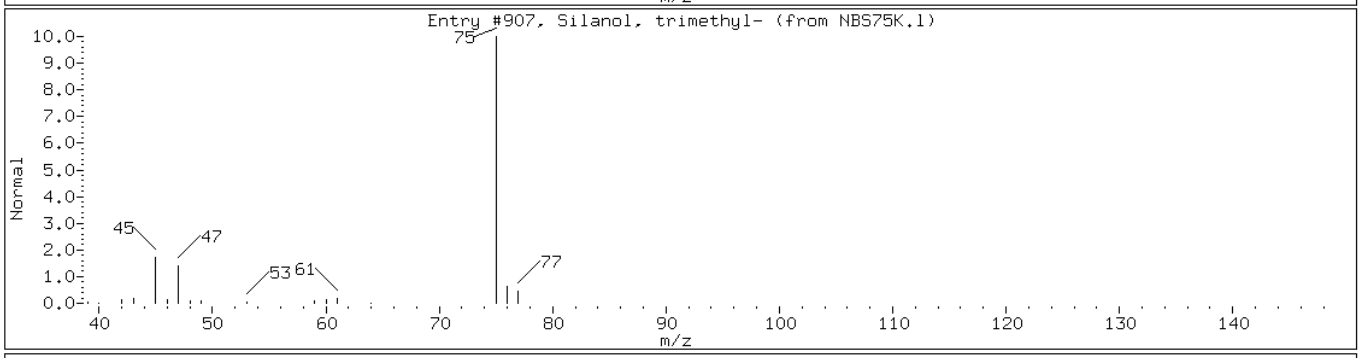


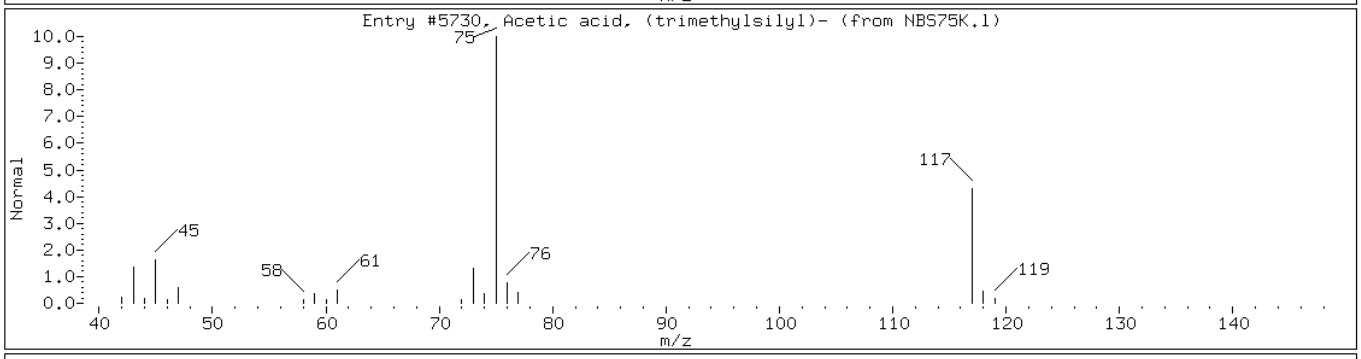
Data File: lkra10.d
Lab Sample ID: 200-24551-11 Date: 13-OCT-2014 13:19
Client ID: PW-53 Instrument: L.i
Sample Info: 200-24551-A-11 Operator: MTP

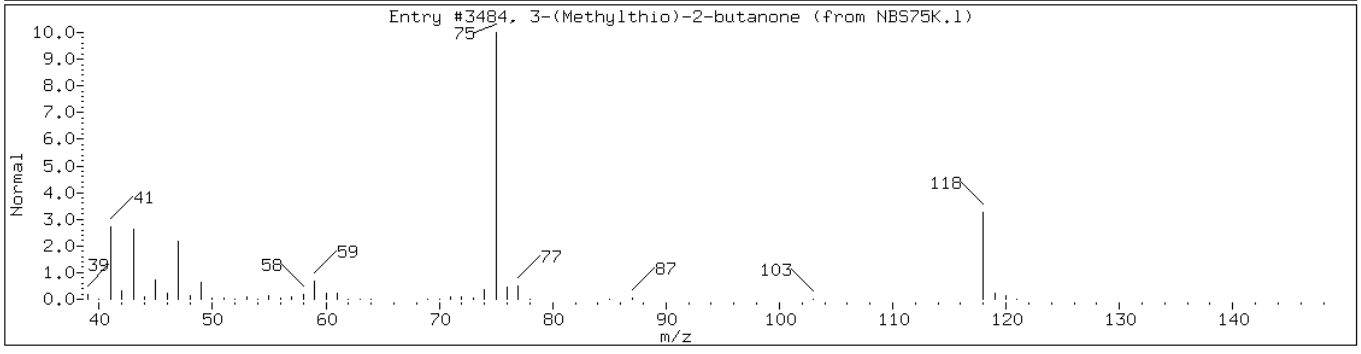
Retention Time: 7.87

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NBS75K.l	907	78	C3H10OSi	90
Acetic acid, (trimethylsilyl)-	2345-38-2	NBS75K.l	5730	64	C5H12O2Si	132
3-(Methylthio)-2-butanone	53475-15-3	NBS75K.l	3484	9	C5H10OS	118









FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: DUP | Lab Sample ID: 200-24551-12

Matrix: Water | Lab File ID: lkra11.d

Analysis Method: 524.2 | Date Collected: 10/01/2014 12:01

Sample wt/vol: 5(mL) | Date Analyzed: 10/13/2014 13:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 78664 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U *	0.50	0.090
74-87-3	Chloromethane	0.50	U *	0.50	0.12
75-01-4	Vinyl chloride	0.50	U *	0.50	0.076
74-83-9	Bromomethane	0.50	U *	0.50	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.22
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.10
60-29-7	Diethyl ether	0.50	U	0.50	0.066
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.074
67-64-1	Acetone	5.0	U	5.0	0.84
74-88-4	Methyl iodide	0.50	U	0.50	0.13
75-15-0	Carbon disulfide	0.50	U	0.50	0.12
107-05-1	Allyl chloride	0.50	U	0.50	0.10
75-09-2	Methylene Chloride	0.50	U *	0.50	0.084
107-13-1	Acrylonitrile	0.50	U	0.50	0.16
75-65-0	t-Butyl alcohol	50	U	50	4.4
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.071
1634-04-4	Methyl t-butyl ether	0.50	U	0.50	0.080
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.094
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.087
594-20-7	2,2-Dichloropropane	0.50	U	0.50	0.16
78-93-3	2-Butanone	5.0	U	5.0	0.16
107-12-0	Propionitrile	25	U	25	2.9
96-33-3	Methyl acrylate	0.50	U	0.50	0.13
126-98-7	Methacrylonitrile	0.50	U	0.50	0.081
74-97-5	Bromochloromethane	0.50	U	0.50	0.076
109-99-9	Tetrahydrofuran	2.5	U	2.5	0.52
67-66-3	Chloroform	0.50	U	0.50	0.085
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.092
109-69-3	1-Chlorobutane	0.50	U	0.50	0.10
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.12
563-58-6	1,1-Dichloropropene	0.50	U	0.50	0.12
71-43-2	Benzene	0.50	U	0.50	0.10
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.092
79-01-6	Trichloroethene	0.50	U	0.50	0.10
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.087
74-95-3	Dibromomethane	0.50	U	0.50	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: DUP Lab Sample ID: 200-24551-12

Matrix: Water Lab File ID: lkra11.d

Analysis Method: 524.2 Date Collected: 10/01/2014 12:01

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 13:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
80-62-6	Methyl methacrylate	0.50	U	0.50	0.25
75-27-4	Bromodichloromethane	0.50	U	0.50	0.10
79-46-9	2-Nitropropane	10	U	10	1.3
107-14-2	Chloroacetonitrile	25	U	25	4.1
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.12
108-10-1	4-Methyl-2-pentanone (MIBK)	2.5	U	2.5	0.32
513-88-2	1,1-Dichloro-2-propanone	10	U	10	1.1
108-88-3	Toluene	0.50	U	0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.082
97-63-2	Ethyl methacrylate	0.50	U	0.50	0.073
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.070
127-18-4	Tetrachloroethene	0.50	U	0.50	0.089
142-28-9	1,3-Dichloropropane	0.50	U	0.50	0.10
591-78-6	2-Hexanone	2.5	U	2.5	0.40
124-48-1	Dibromochloromethane	0.50	U	0.50	0.081
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.072
108-90-7	Chlorobenzene	0.50	U	0.50	0.093
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U	0.50	0.10
100-41-4	Ethylbenzene	0.50	U	0.50	0.10
179601-23-1	m&p-Xylene	0.50	U	0.50	0.20
95-47-6	o-Xylene	0.50	U	0.50	0.092
100-42-5	Styrene	0.50	U	0.50	0.075
75-25-2	Bromoform	0.50	U	0.50	0.067
98-82-8	Isopropylbenzene	0.50	U	0.50	0.10
108-86-1	Bromobenzene	0.50	U	0.50	0.083
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.078
96-18-4	1,2,3-Trichloropropane	0.50	U	0.50	0.10
110-57-6	trans-1,4-Dichloro-2-butene	0.50	U	0.50	0.12
103-65-1	n-Propylbenzene	0.50	U	0.50	0.10
95-49-8	2-Chlorotoluene	0.50	U	0.50	0.10
106-43-4	4-Chlorotoluene	0.50	U	0.50	0.10
108-67-8	1,3,5-Trimethylbenzene	0.50	U	0.50	0.10
98-06-6	tert-Butylbenzene	0.50	U	0.50	0.089
76-01-7	Pentachloroethane	0.50	U	0.50	0.089
95-63-6	1,2,4-Trimethylbenzene	0.50	U	0.50	0.10
135-98-8	sec-Butylbenzene	0.50	U	0.50	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: DUP Lab Sample ID: 200-24551-12

Matrix: Water Lab File ID: lkra11.d

Analysis Method: 524.2 Date Collected: 10/01/2014 12:01

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 13:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.11
99-87-6	p-Isopropyltoluene	0.50	U	0.50	0.090
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.10
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.081
104-51-8	n-Butylbenzene	0.50	U	0.50	0.13
67-72-1	Hexachloroethane	0.50	U	0.50	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U	0.50	0.10
98-95-3	Nitrobenzene	25	U	25	3.6
108-70-3	1,3,5-Trichlorobenzene	0.50	U	0.50	0.10
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.083
87-68-3	Hexachlorobutadiene	0.50	U	0.50	0.089
91-20-3	Naphthalene	0.50	U	0.50	0.062
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: DUP Lab Sample ID: 200-24551-12

Matrix: Water Lab File ID: lkra11.d

Analysis Method: 524.2 Date Collected: 10/01/2014 12:01

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 13:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

Number TICs Found: 3 TIC Result Total: 10.54

CAS NO.	COMPOUND NAME	RT	RESULT	Q
420-56-4	Silane, fluorotrimethyl-	3.29	0.52	J N
	Unknown	6.26	0.62	J
	Unknown	7.86	9.4	J

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-24551-12
Client Smp ID: DUP
Inj Date : 13-OCT-2014 13:52
Operator : MTP Inst ID: L.i
Smp Info : 200-24551-A-12
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkra524.b/524v1.m
Meth Date : 13-Oct-2014 10:35 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 18:43 Cal File: lkr08.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Diethyl Ether	59	Compound Not Detected.					
8 1,1-Dichloroethene	96	Compound Not Detected.					
9 Acetone	43	Compound Not Detected.					
10 Methyl Iodide	142	Compound Not Detected.					
11 Carbon Disulfide	76	Compound Not Detected.					
12 Allyl Chloride	41	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 t-Butyl Alcohol	59	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
15	trans-1,2-Dichloroethene	96	Compound Not Detected.					
16	Acrylonitrile	53	Compound Not Detected.					
17	Methyl-t-Butyl Ether	73	Compound Not Detected.					
18	1,1-Dichloroethane	63	Compound Not Detected.					
19	2,2-Dichloropropane	77	Compound Not Detected.					
20	cis-1,2-Dichloroethene	96	Compound Not Detected.					
21	2-Butanone	72	Compound Not Detected.					
22	Propionitrile	54	Compound Not Detected.					
23	Methyl Acrylate	55	Compound Not Detected.					
24	Bromochloromethane	128	Compound Not Detected.					
25	Methacrylonitrile	67	Compound Not Detected.					
26	Tetrahydrofuran	42	Compound Not Detected.					
27	Chloroform	83	Compound Not Detected.					
28	1,1,1-Trichloroethane	97	Compound Not Detected.					
29	1-Chlorobutane	56	Compound Not Detected.					
30	Carbon Tetrachloride	117	Compound Not Detected.					
31	1,1-Dichloropropene	75	Compound Not Detected.					
* 32	1,2-Dichloroethane-d4 ISTD	65	9.324	9.338	(1.000)	73760	2.00000	
33	Benzene	78	Compound Not Detected.					
34	1,2-Dichloroethane	62	Compound Not Detected.					
* 35	Fluorobenzene	96	9.899	9.931	(1.000)	297840	2.00000	
36	Trichloroethene	95	Compound Not Detected.					
37	1,2-Dichloropropane	63	Compound Not Detected.					
38	Dibromomethane	93	Compound Not Detected.					
39	Methyl Methacrylate	69	Compound Not Detected.					
40	Bromodichloromethane	83	Compound Not Detected.					
41	2-Nitropropane	41	Compound Not Detected.					
42	Chloroacetonitrile	75	Compound Not Detected.					
43	cis-1,3-Dichloropropene	75	Compound Not Detected.					
44	4-Methyl-2-Pentanone	58	Compound Not Detected.					
45	1,1-Dichloropropanone	83	Compound Not Detected.					
* 46	Toluene-d8 (IS)	98	12.774	12.754	(1.000)	242885	2.00000	
47	Toluene	92	Compound Not Detected.					
48	trans-1,3-Dichloropropene	75	Compound Not Detected.					
49	Ethyl Methacrylate	69	Compound Not Detected.					
50	1,1,2-Trichloroethane	83	Compound Not Detected.					
51	Tetrachloroethene	166	Compound Not Detected.					
52	1,3-Dichloropropane	76	Compound Not Detected.					
53	2-Hexanone	43	Compound Not Detected.					
54	Dibromochloromethane	129	Compound Not Detected.					
55	1,2-Dibromoethane	107	Compound Not Detected.					
* 56	Chlorobenzene-d5	117	15.753	15.664	(1.000)	221048	2.00000	
57	Chlorobenzene	112	Compound Not Detected.					
58	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
59	Ethylbenzene	91	Compound Not Detected.					
60	m- & p-Xylene	106	Compound Not Detected.					
61	o-Xylene	106	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
M	62 Xylene (total)	106	Compound Not Detected.					
	63 Styrene	104	Compound Not Detected.					
	64 Bromoform	172	Compound Not Detected.					
	65 Isopropylbenzene	105	Compound Not Detected.					
*	66 4-Bromofluorobenzene (IS)	95	18.367	18.312	(1.000)	151889	2.00000	
	67 Bromobenzene	156	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,2,3-Trichloropropane	110	Compound Not Detected.					
	70 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.					
	71 n-Propylbenzene	120	Compound Not Detected.					
	72 2-Chlorotoluene	126	Compound Not Detected.					
	73 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	74 4-Chlorotoluene	126	Compound Not Detected.					
	75 tert-Butylbenzene	134	Compound Not Detected.					
	76 Pentachloroethane	167	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	78 sec-Butylbenzene	105	Compound Not Detected.					
	79 1,3-Dichlorobenzene	146	Compound Not Detected.					
	80 p-Isopropyltoluene	119	Compound Not Detected.					
*	81 1,4-Dichlorobenzene-d4	152	20.022	20.002	(1.000)	111635	2.00000	
	82 1,4-Dichlorobenzene	146	Compound Not Detected.					
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.458	20.438	(1.000)	93908	2.00000	
	84 1,2-Dichlorobenzene	146	Compound Not Detected.					
	85 n-Butylbenzene	91	Compound Not Detected.					
	86 Hexachloroethane	117	Compound Not Detected.					
	87 1,2-Dibromo-3-Chloropropane	155	Compound Not Detected.					
	88 1,3,5 Trichlorobenzene	180	Compound Not Detected.					
	89 Nitrobenzene	77	Compound Not Detected.					
	90 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	91 Hexachlorobutadiene	224	Compound Not Detected.					
	92 Naphthalene	128	Compound Not Detected.					
	93 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-24551-12
Client Smp ID: DUP
Inj Date : 13-OCT-2014 13:52
Operator : MTP Inst ID: L.i
Smp Info : 200-24551-A-12
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkra524.b/524v1.m
Meth Date : 13-Oct-2014 10:35 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 18:43 Cal File: lkr08.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

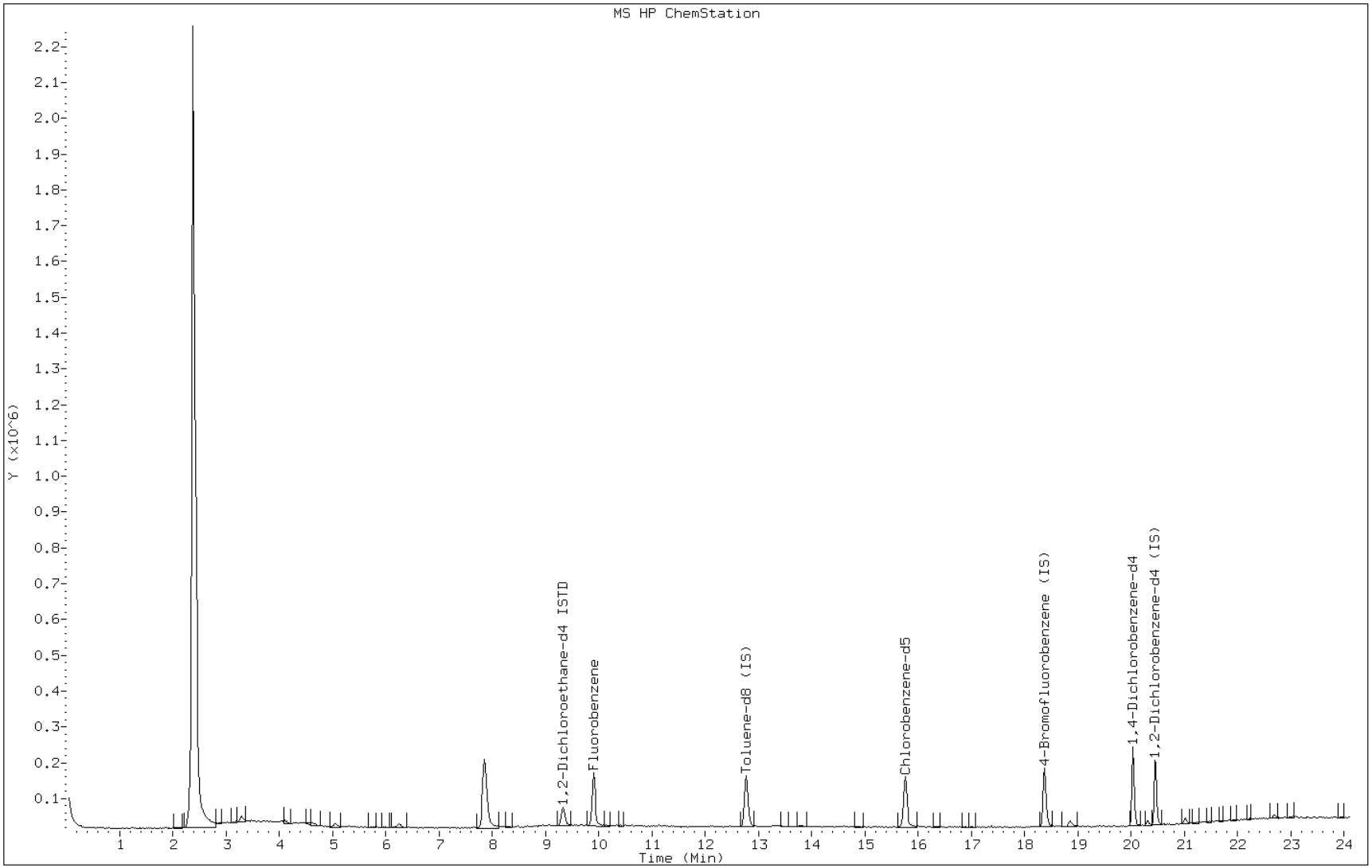
Cpnd Variable Local Compound Variable

ISTD		RT	AREA	AMOUNT
* 32	1,2-Dichloroethane-d4 I	9.324	260702	2.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Silane, fluorotrimethyl-				CAS #: 420-56-4			
3.295	67325	0.51648492	0.52	83	NBS75K.l	956	32
Unknown				CAS #:			
6.257	80421	0.61695337	0.62	0		0	32

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
7.860	1219831	9.35801897	9.4	0		0	32

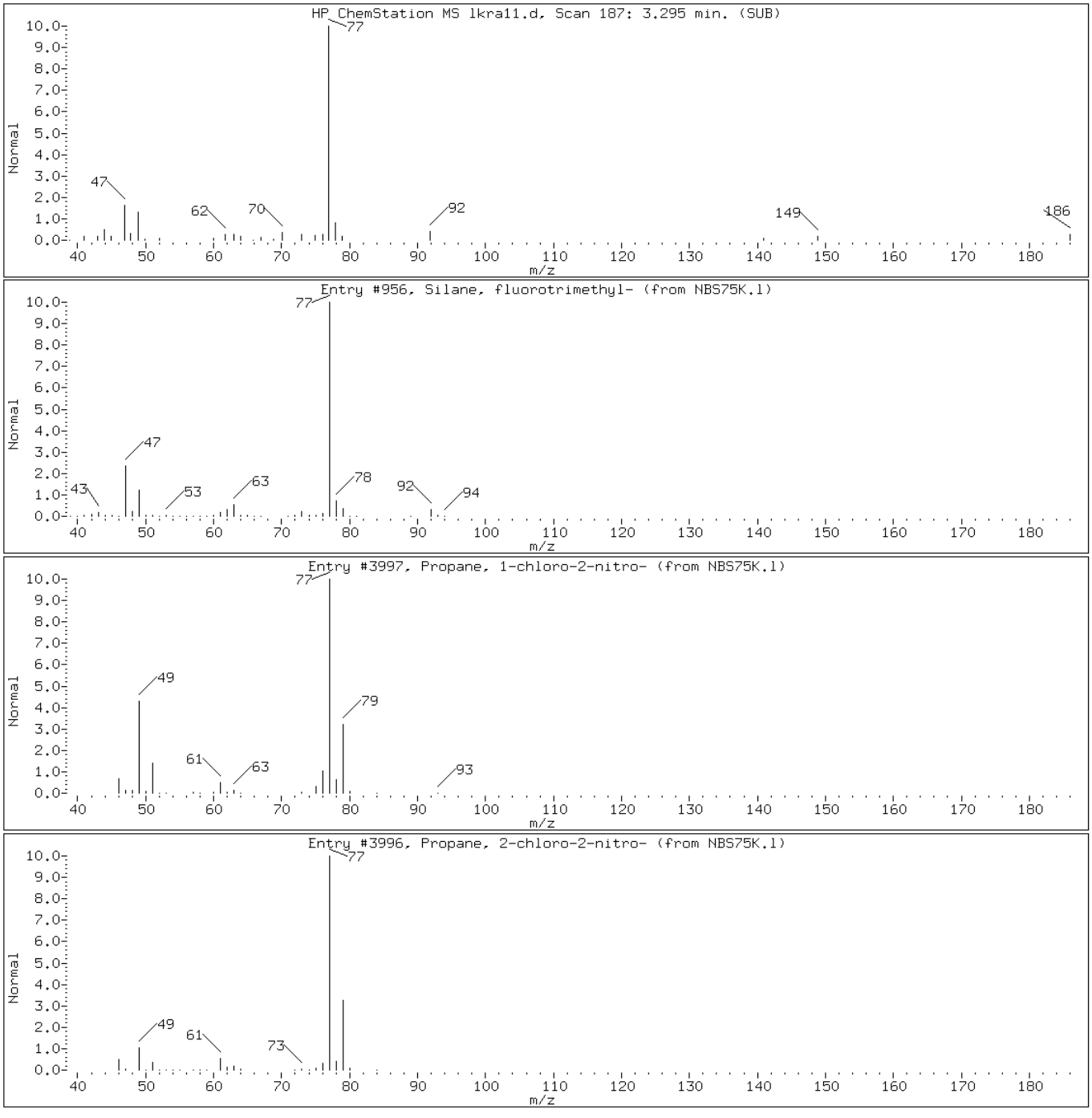
Data File:	lkra11.d	Date:	13-OCT-2014 13:52
Client ID:	DUP	Instrument:	L.i
Operator:	MTP	Inj Vol:	5.0
Column Type:	Capillary	Diameter:	0.53
Stationary Phase:	DB-624		
Sample Info:	200-24551-A-12		
Lab Sample ID:	200-24551-12		



Data File: lkra11.d
Lab Sample ID: 200-24551-12 Date: 13-OCT-2014 13:52
Client ID: DUP Instrument: L.i
Sample Info: 200-24551-A-12 Operator: MTP

Retention Time: 3.29

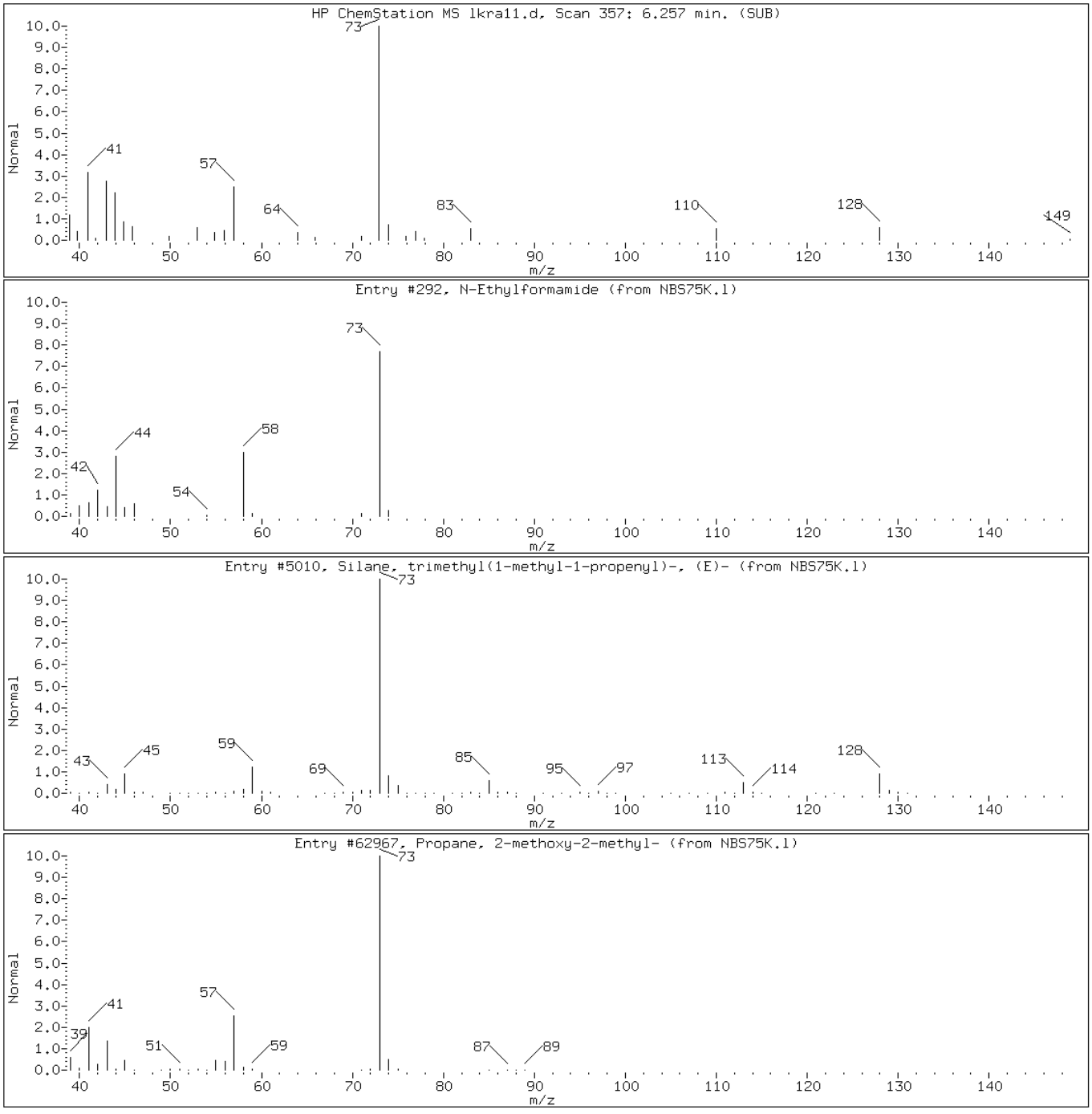
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Silane, fluorotrimethyl-	420-56-4	NBS75K.l	956	83	C3H9FSi	92
Propane, 1-chloro-2-nitro-	2425-66-3	NBS75K.l	3997	4	C3H6ClNO2	123
Propane, 2-chloro-2-nitro-	594-71-8	NBS75K.l	3996	4	C3H6ClNO2	123



Data File: lkra11.d
Lab Sample ID: 200-24551-12 Date: 13-OCT-2014 13:52
Client ID: DUP Instrument: L.i
Sample Info: 200-24551-A-12 Operator: MTP

Retention Time: 6.26

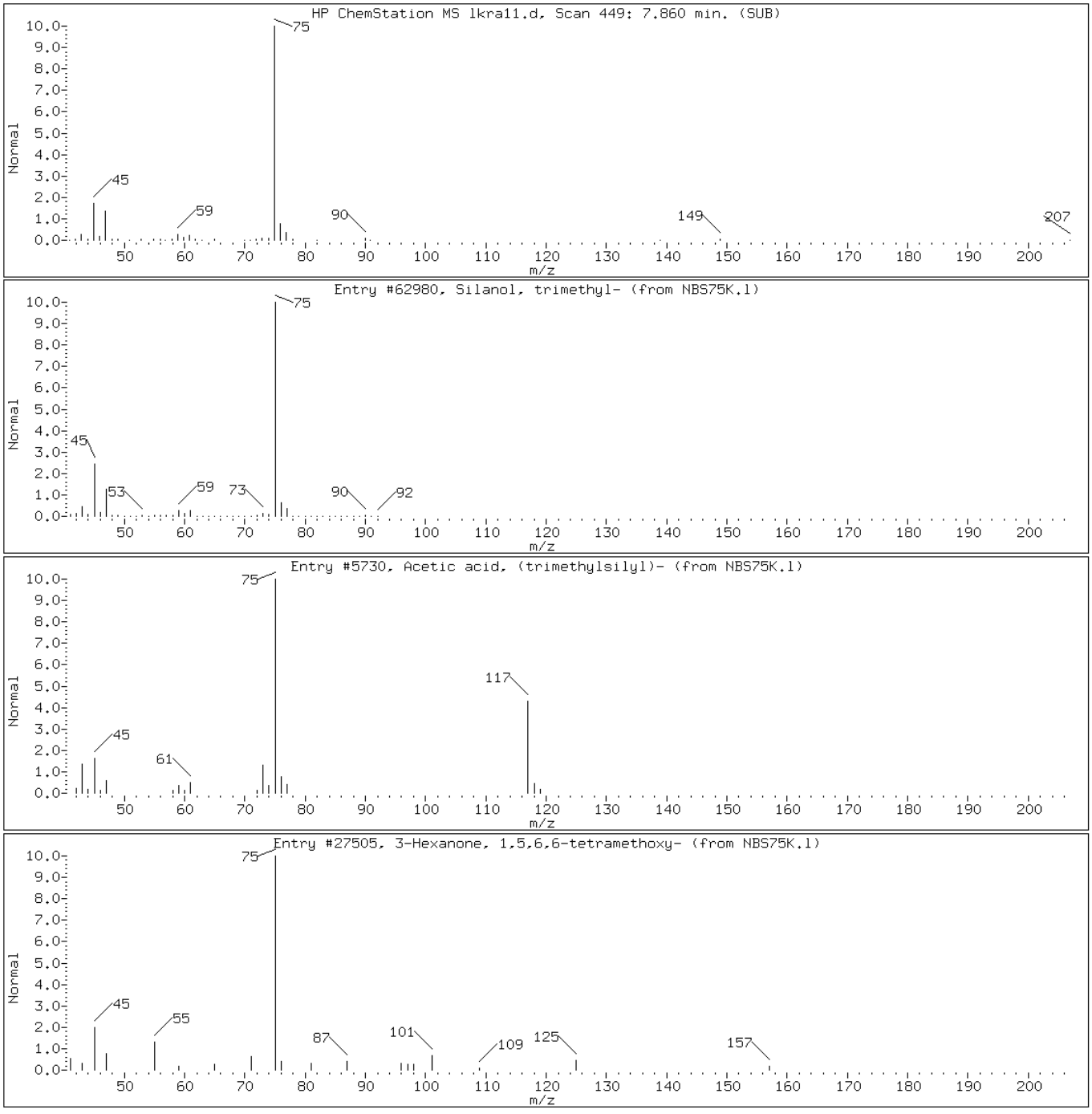
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
N-Ethylformamide	627-45-2	NBS75K.l	292	9	C3H7NO	73
Silane, trimethyl(1-methyl-1-prope	10111-13-4	NBS75K.l	5010	9	C7H16Si	128
Propane, 2-methoxy-2-methyl-	1634-04-4	NBS75K.l	62967	9	C5H12O	88



Data File: lkra11.d
Lab Sample ID: 200-24551-12 Date: 13-OCT-2014 13:52
Client ID: DUP Instrument: L.i
Sample Info: 200-24551-A-12 Operator: MTP

Retention Time: 7.86

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NBS75K.l	62980	83	C3H10OSi	90
Acetic acid, (trimethylsilyl)-	2345-38-2	NBS75K.l	5730	43	C5H12O2Si	132
3-Hexanone, 1,5,6,6-tetramethoxy-	53914-29-7	NBS75K.l	27505	40	C10H20O5	220



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24551-1 Analy Batch No.: 78579

SDG No.: A8091390 (200-24551)

Instrument ID: L.i GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 16:32 Calibration End Date: 10/10/2014 18:43 Calibration ID: 28152

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-78579/4	lkr04.d
Level 2	ICIS 200-78579/5	lkr05.d
Level 3	IC 200-78579/6	lkr06.d
Level 4	IC 200-78579/7	lkr07.d
Level 5	IC 200-78579/8	lkr08.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3631	0.3878	0.3796	0.3751	0.3795	Ave		0.3770				2.4		20.0			
Chloromethane	0.2211	0.2259	0.2251	0.2122	0.2322	Ave		0.2233				3.3		20.0			
Vinyl chloride	0.2614	0.2798	0.2683	0.2633	0.2746	Ave		0.2695				2.9		20.0			
Bromomethane	0.0917	0.1027	0.1062	0.1095	0.1146	Ave		0.1050				8.2		20.0			
Chloroethane	0.1886	0.1728	0.1726	0.1633	0.1702	Ave		0.1735				5.3		20.0			
Trichlorofluoromethane	0.4744	0.5033	0.5014	0.4878	0.4965	Ave		0.4927				2.4		20.0			
Diethyl ether	0.1586	0.1748	0.1692	0.1640	0.1718	Ave		0.1677				3.8		20.0			
1,1-Dichloroethene	0.2482	0.2653	0.2635	0.2556	0.2654	Ave		0.2596				2.9		20.0			
Acetone	0.0540	0.0442	0.0450	0.0440	0.0477	Ave		0.0470				9.0		20.0			
Methyl iodide	0.1037	0.1198	0.1559	0.2027	0.2390	Ave		0.1642				34.4	*	20.0			
Carbon disulfide	0.6774	0.6508	0.6374	0.6224	0.6397	Ave		0.6455				3.2		20.0			
Allyl chloride	0.5193	0.5524	0.5602	0.5444	0.5621	Ave		0.5477				3.2		20.0			
Methylene Chloride	0.2937	0.2725	0.2591	0.2509	0.2588	Ave		0.2670				6.3		20.0			
t-Butyl alcohol	0.0152	0.0161	0.0159	0.0155	0.0162	Ave		0.0158				2.7		20.0			
Acrylonitrile	0.0573	0.0594	0.0616	0.0586	0.0618	Ave		0.0597				3.3		20.0			
trans-1,2-Dichloroethene	0.2639	0.2796	0.2859	0.2790	0.2916	Ave		0.2800				3.7		20.0			
Methyl t-butyl ether	0.5518	0.5581	0.5571	0.5477	0.5644	Ave		0.5558				1.1		20.0			
1,1-Dichloroethane	0.5694	0.6016	0.5920	0.5673	0.5876	Ave		0.5836				2.5		20.0			
2,2-Dichloropropane	0.4698	0.4504	0.4229	0.4063	0.4128	Ave		0.4324				6.2		20.0			
cis-1,2-Dichloroethene	0.2741	0.2981	0.2965	0.2913	0.3031	Ave		0.2926				3.8		20.0			
2-Butanone	0.0164	0.0189	0.0194	0.0198	0.0209	Ave		0.0191				8.7		20.0			
Propionitrile	0.0177	0.0207	0.0228	0.0227	0.0238	Ave		0.0215				11.3		20.0			
Methyl acrylate	0.2317	0.2341	0.2790	0.2760	0.2804	Ave		0.2602				9.6		20.0			
Methacrylonitrile	0.0677	0.0713	0.0733	0.0678	0.0748	Ave		0.0710				4.5		20.0			
Bromochloromethane	0.1720	0.1694	0.1723	0.1742	0.1807	Ave		0.1737				2.5		20.0			
Tetrahydrofuran	0.0794	0.0732	0.0759	0.0735	0.0811	Ave		0.0766				4.6		20.0			
Chloroform	0.5872	0.5680	0.5591	0.5432	0.5703	Ave		0.5655				2.8		20.0			
1,1,1-Trichloroethane	0.4354	0.4716	0.4810	0.4615	0.4781	Ave		0.4655				4.0		20.0			
1-Chlorobutane	0.5721	0.6204	0.6220	0.6039	0.6284	Ave		0.6093				3.7		20.0			
1,1-Dichloropropene	0.4303	0.4149	0.4443	0.4317	0.4474	Ave		0.4337				3.0		20.0			
Carbon tetrachloride	0.3986	0.4271	0.4492	0.4392	0.4526	Ave		0.4333				5.0		20.0			
Benzene	0.8094	0.8125	0.8468	0.8273	0.8544	Ave		0.8301				2.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24551-1 Analy Batch No.: 78579

SDG No.: A8091390 (200-24551)

Instrument ID: L.i GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 16:32 Calibration End Date: 10/10/2014 18:43 Calibration ID: 28152

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloroethane	0.2595	0.2864	0.2971	0.2850	0.2948	Ave		0.2846				5.3		20.0			
Trichloroethene	0.3474	0.3541	0.3554	0.3531	0.3640	Ave		0.3548				1.7		20.0			
1,2-Dichloropropane	0.3524	0.3708	0.3685	0.3615	0.3718	Ave		0.3650				2.2		20.0			
Dibromomethane	0.2660	0.2788	0.2757	0.2746	0.2853	Ave		0.2761				2.5		20.0			
Methyl methacrylate	0.2020	0.1816	0.1927	0.1897	0.2002	Ave		0.1932				4.3		20.0			
Bromodichloromethane	0.5195	0.5763	0.5915	0.5751	0.5972	Ave		0.5719				5.4		20.0			
2-Nitropropane	0.0546	0.0580	0.0601	0.0583	0.0596	Ave		0.0581				3.7		20.0			
Chloroacetonitrile	0.0074	0.0095	0.0108	0.0111	0.0118	Ave		0.0101				17.1		20.0			
cis-1,3-Dichloropropene	0.5002	0.4812	0.5235	0.5104	0.5108	Ave		0.5052				3.1		20.0			
4-Methyl-2-pentanone (MIBK)	0.1001	0.1054	0.1076	0.1059	0.1099	Ave		0.1058				3.4		20.0			
1,1-Dichloro-2-propanone	0.0058	0.0069	0.0068	0.0065	0.0069	Ave		0.0066				7.0		20.0			
Toluene	0.5163	0.5425	0.5492	0.5324	0.5506	Ave		0.5382				2.6		20.0			
trans-1,3-Dichloropropene	0.3536	0.3713	0.3918	0.3891	0.4056	Ave		0.3823				5.3		20.0			
Ethyl methacrylate	0.3878	0.3822	0.3911	0.3859	0.4031	Ave		0.3900				2.0		20.0			
1,1,2-Trichloroethane	0.2512	0.2467	0.2595	0.2497	0.2595	Ave		0.2533				2.3		20.0			
Tetrachloroethene	0.4567	0.4516	0.4588	0.4452	0.4562	Ave		0.4537				1.2		20.0			
1,3-Dichloropropane	0.4649	0.4886	0.4873	0.4799	0.4947	Ave		0.4831				2.4		20.0			
2-Hexanone	0.1738	0.1970	0.2086	0.2059	0.2152	Ave		0.2001				8.0		20.0			
Dibromochloromethane	0.5697	0.6381	0.6602	0.6373	0.6789	Ave		0.6369				6.5		20.0			
1,2-Dibromoethane	0.4888	0.5599	0.5777	0.5513	0.5904	Ave		0.5536				7.1		20.0			
Chlorobenzene	0.7975	0.8812	0.9107	0.8728	0.9316	Ave		0.8788				5.8		20.0			
1,1,1,2-Tetrachloroethane	0.4126	0.4604	0.4691	0.4517	0.4806	Ave		0.4549				5.7		20.0			
Ethylbenzene	1.3603	1.4483	1.4842	1.4200	1.5101	Ave		1.4446				4.0		20.0			
m&p-Xylene	0.4559	0.5097	0.5240	0.5038	0.5403	Ave		0.5067				6.3		20.0			
o-Xylene	0.4331	0.5033	0.5114	0.4837	0.5134	Ave		0.4890				6.8		20.0			
Styrene	0.7514	0.8233	0.8614	0.8411	0.8947	Ave		0.8344				6.4		20.0			
Bromoform	0.4102	0.4784	0.5191	0.5052	0.5403	Ave		0.4907				10.2		20.0			
Isopropylbenzene	1.3066	1.3973	1.4569	1.3978	1.4863	Ave		1.4090				4.9		20.0			
Bromobenzene	0.4225	0.4639	0.4801	0.4653	0.4925	Ave		0.4649				5.7		20.0			
1,1,2,2-Tetrachloroethane	0.6006	0.6734	0.6743	0.6422	0.6892	Ave		0.6559				5.4		20.0			
1,2,3-Trichloropropane	0.1191	0.1494	0.1520	0.1454	0.1514	Ave		0.1435				9.7		20.0			
trans-1,4-Dichloro-2-butene	0.1147	0.1270	0.1254	0.1152	0.1243	Ave		0.1213				4.8		20.0			
n-Propylbenzene	0.2690	0.3245	0.3518	0.3389	0.3598	Ave		0.3288				11.0		20.0			
2-Chlorotoluene	0.3462	0.3377	0.3425	0.3235	0.3439	Ave		0.3388				2.7		20.0			
1,3,5-Trimethylbenzene	0.8716	0.9593	0.9914	0.9626	1.0323	Ave		0.9634				6.1		20.0			
4-Chlorotoluene	0.2859	0.3115	0.3423	0.3331	0.3538	Ave		0.3253				8.3		20.0			
tert-Butylbenzene	0.2616	0.2794	0.2935	0.2843	0.3037	Ave		0.2845				5.6		20.0			
Pentachloroethane	0.3190	0.3486	0.3672	0.3560	0.3767	Ave		0.3535				6.2		20.0			
1,2,4-Trimethylbenzene	0.8273	0.8363	0.8815	0.8650	0.9553	Ave		0.8731				5.8		20.0			
sec-Butylbenzene	1.2355	1.3356	1.4286	1.3955	1.5027	Ave		1.3796				7.3		20.0			
1,3-Dichlorobenzene	0.6399	0.7016	0.7380	0.7182	0.7611	Ave		0.7118				6.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24551-1 Analy Batch No.: 78579

SDG No.: A8091390 (200-24551)

Instrument ID: L.i GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 16:32 Calibration End Date: 10/10/2014 18:43 Calibration ID: 28152

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
p-Isopropyltoluene	0.9298	0.9567	1.0164	1.0107	1.0950	Ave		1.0017				6.3		20.0			
1,4-Dichlorobenzene	0.6758	0.7080	0.7561	0.7339	0.7866	Ave		0.7321				5.8		20.0			
1,2-Dichlorobenzene	0.6047	0.6625	0.6948	0.6618	0.7059	Ave		0.6659				5.9		20.0			
n-Butylbenzene	0.8718	0.8360	0.8633	0.8600	0.9506	Ave		0.8763				5.0		20.0			
Hexachloroethane	0.4271	0.4642	0.5116	0.4992	0.5332	Ave		0.4871				8.6		20.0			
1,2-Dibromo-3-Chloropropane	0.0925	0.1098	0.1169	0.1144	0.1199	Ave		0.1107				9.8		20.0			
Nitrobenzene	0.0142	0.0203	0.0303	0.0323	0.0360	Ave		0.0266				34.0	*	20.0			
1,3,5-Trichlorobenzene	0.4336	0.4789	0.4890	0.4897	0.5244	Ave		0.4831				6.8		20.0			
1,2,4-Trichlorobenzene	0.3386	0.3897	0.4143	0.4101	0.4476	Ave		0.4000				10.0		20.0			
Hexachlorobutadiene	0.2598	0.2687	0.2842	0.2784	0.2901	Ave		0.2763				4.4		20.0			
Naphthalene	0.4915	0.6158	0.7000	0.6853	0.7400	Ave		0.6465				15.1		20.0			
1,2,3-Trichlorobenzene	0.2938	0.3439	0.3689	0.3731	0.4014	Ave		0.3562				11.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24551-1 Analy Batch No.: 78579

SDG No.: A8091390 (200-24551)

Instrument ID: L.i GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 16:32 Calibration End Date: 10/10/2014 18:43 Calibration ID: 28152

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-78579/4	lkr04.d
Level 2	ICIS 200-78579/5	lkr05.d
Level 3	IC 200-78579/6	lkr06.d
Level 4	IC 200-78579/7	lkr07.d
Level 5	IC 200-78579/8	lkr08.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	25603	113262	549281	1154631	1724340	0.500	2.00	10.0	20.0	30.0
Chloromethane	FB	Ave	15591	65980	325678	653106	1054933	0.500	2.00	10.0	20.0	30.0
Vinyl chloride	FB	Ave	18430	81712	388261	810327	1247744	0.500	2.00	10.0	20.0	30.0
Bromomethane	FB	Ave	6466	30002	153720	337092	520986	0.500	2.00	10.0	20.0	30.0
Chloroethane	FB	Ave	13297	50468	249717	502774	773213	0.500	2.00	10.0	20.0	30.0
Trichlorofluoromethane	FB	Ave	33452	147005	725500	1501278	2256097	0.500	2.00	10.0	20.0	30.0
Diethyl ether	FB	Ave	11183	51048	244848	504841	780630	0.500	2.00	10.0	20.0	30.0
1,1-Dichloroethene	FB	Ave	17504	77480	381204	786797	1206056	0.500	2.00	10.0	20.0	30.0
Acetone	FB	Ave	19038	64481	325314	676811	1084274	2.50	10.0	50.0	100	150
Methyl iodide	FB	Ave	7313	35004	225626	623822	1086204	0.500	2.00	10.0	20.0	30.0
Carbon disulfide	FB	Ave	47768	190067	922209	1915744	2906698	0.500	2.00	10.0	20.0	30.0
Allyl chloride	FB	Ave	36620	161325	810508	1675604	2554302	0.500	2.00	10.0	20.0	30.0
Methylene Chloride	FB	Ave	20711	79577	374937	772157	1176226	0.500	2.00	10.0	20.0	30.0
t-Butyl alcohol	FB	Ave	107260	235521	458872	1191032	2458996	50.0	100	200	500	1000
Acrylonitrile	FB	Ave	4038	17337	89091	180249	281034	0.500	2.00	10.0	20.0	30.0
trans-1,2-Dichloroethene	FB	Ave	18611	81668	413600	858707	1324938	0.500	2.00	10.0	20.0	30.0
Methyl t-butyl ether	FB	Ave	38908	163012	806099	1685693	2564712	0.500	2.00	10.0	20.0	30.0
1,1-Dichloroethane	FB	Ave	40147	175722	856591	1746195	2670312	0.500	2.00	10.0	20.0	30.0
2,2-Dichloropropane	FB	Ave	33130	131549	611953	1250416	1875681	0.500	2.00	10.0	20.0	30.0
cis-1,2-Dichloroethene	FB	Ave	19328	87066	429046	896689	1377467	0.500	2.00	10.0	20.0	30.0
2-Butanone	FB	Ave	5789	27617	140634	304855	474169	2.50	10.0	50.0	100	150
Propionitrile	FB	Ave	62373	302475	1651730	3490525	5406959	25.0	100	500	1000	1500
Methyl acrylate	FB	Ave	16335	68387	403669	849640	1274151	0.500	2.00	10.0	20.0	30.0
Methacrylonitrile	FB	Ave	4776	20836	105998	208620	339698	0.500	2.00	10.0	20.0	30.0
Bromochloromethane	FB	Ave	12125	49479	249247	536321	821088	0.500	2.00	10.0	20.0	30.0
Tetrahydrofuran	FB	Ave	27979	106908	548756	1130706	1841542	2.50	10.0	50.0	100	150
Chloroform	FB	Ave	41402	165889	808898	1671888	2591499	0.500	2.00	10.0	20.0	30.0
1,1,1-Trichloroethane	FB	Ave	30701	137749	695911	1420390	2172713	0.500	2.00	10.0	20.0	30.0
1-Chlorobutane	FB	Ave	40339	181196	899939	1858736	2855369	0.500	2.00	10.0	20.0	30.0
1,1-Dichloropropene	FB	Ave	30343	121169	642888	1328836	2033225	0.500	2.00	10.0	20.0	30.0
Carbon tetrachloride	FB	Ave	28105	124741	649926	1351760	2056615	0.500	2.00	10.0	20.0	30.0
Benzene	FB	Ave	57072	237295	1225286	2546439	3882453	0.500	2.00	10.0	20.0	30.0
1,2-Dichloroethane	FB	Ave	18297	83647	429834	877325	1339787	0.500	2.00	10.0	20.0	30.0
Trichloroethene	FB	Ave	24498	103418	514238	1086713	1654166	0.500	2.00	10.0	20.0	30.0

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24551-1 Analy Batch No.: 78579

SDG No.: A8091390 (200-24551)

Instrument ID: L.i GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 16:32 Calibration End Date: 10/10/2014 18:43 Calibration ID: 28152

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichloropropane	FB	Ave	24848	108295	533154	1112548	1689608	0.500	2.00	10.0	20.0	30.0
Dibromomethane	FB	Ave	18756	81428	398968	845135	1296449	0.500	2.00	10.0	20.0	30.0
Methyl methacrylate	FB	Ave	14240	53036	278797	583891	909670	0.500	2.00	10.0	20.0	30.0
Bromodichloromethane	FB	Ave	36634	168313	855894	1770172	2713721	0.500	2.00	10.0	20.0	30.0
2-Nitropropane	FB	Ave	77007	338693	1738246	3589324	5419725	10.0	40.0	200	400	600
Chloroacetonitrile	FB	Ave	26043	138714	778630	1707950	2674378	25.0	100	500	1000	1500
cis-1,3-Dichloropropene	FB	Ave	35273	140541	757469	1571091	2321050	0.500	2.00	10.0	20.0	30.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	35297	153915	778448	1629688	2498039	2.50	10.0	50.0	100	150
1,1-Dichloro-2-propanone	FB	Ave	8235	40257	198044	397477	629422	10.0	40.0	200	400	600
Toluene	FB	Ave	36405	158436	794622	1638612	2502116	0.500	2.00	10.0	20.0	30.0
trans-1,3-Dichloropropene	FB	Ave	24934	108433	566933	1197611	1843086	0.500	2.00	10.0	20.0	30.0
Ethyl methacrylate	FB	Ave	27342	111624	565835	1187686	1831659	0.500	2.00	10.0	20.0	30.0
1,1,2-Trichloroethane	FB	Ave	17714	72048	375402	768468	1179315	0.500	2.00	10.0	20.0	30.0
Tetrachloroethene	FB	Ave	32203	131885	663895	1370355	2073050	0.500	2.00	10.0	20.0	30.0
1,3-Dichloropropane	FB	Ave	32780	142713	704993	1477116	2248120	0.500	2.00	10.0	20.0	30.0
2-Hexanone	FB	Ave	61292	287679	1509239	3167940	4888963	2.50	10.0	50.0	100	150
Dibromochloromethane	CBZ	Ave	30050	138310	704721	1486855	2270524	0.500	2.00	10.0	20.0	30.0
1,2-Dibromoethane	CBZ	Ave	25782	121371	616731	1286152	1974455	0.500	2.00	10.0	20.0	30.0
Chlorobenzene	CBZ	Ave	42060	190997	972197	2036379	3115311	0.500	2.00	10.0	20.0	30.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	21759	99802	500776	1053876	1607122	0.500	2.00	10.0	20.0	30.0
Ethylbenzene	CBZ	Ave	71744	313929	1584423	3313063	5050200	0.500	2.00	10.0	20.0	30.0
m&p-Xylene	CBZ	Ave	48092	220939	1118664	2350874	3613923	1.00	4.00	20.0	40.0	60.0
o-Xylene	CBZ	Ave	22841	109087	545939	1128433	1716944	0.500	2.00	10.0	20.0	30.0
Styrene	CBZ	Ave	39632	178443	919503	1962342	2992094	0.500	2.00	10.0	20.0	30.0
Bromoform	CBZ	Ave	21636	103698	554141	1178654	1806972	0.500	2.00	10.0	20.0	30.0
Isopropylbenzene	CBZ	Ave	68914	302879	1555211	3261105	4970287	0.500	2.00	10.0	20.0	30.0
Bromobenzene	CBZ	Ave	22286	100552	512519	1085563	1646973	0.500	2.00	10.0	20.0	30.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	31675	145958	719856	1498388	2304757	0.500	2.00	10.0	20.0	30.0
1,2,3-Trichloropropane	CBZ	Ave	6279	32387	162240	339242	506413	0.500	2.00	10.0	20.0	30.0
trans-1,4-Dichloro-2-butene	CBZ	Ave	6048	27517	133886	268856	415570	0.500	2.00	10.0	20.0	30.0
n-Propylbenzene	CBZ	Ave	14186	70343	375552	790587	1203225	0.500	2.00	10.0	20.0	30.0
2-Chlorotoluene	CBZ	Ave	18257	73207	365648	754826	1150042	0.500	2.00	10.0	20.0	30.0
1,3,5-Trimethylbenzene	CBZ	Ave	45969	207932	1058303	2245762	3452062	0.500	2.00	10.0	20.0	30.0
4-Chlorotoluene	CBZ	Ave	15079	67518	365437	777246	1183180	0.500	2.00	10.0	20.0	30.0
tert-Butylbenzene	CBZ	Ave	13796	60566	313297	663285	1015493	0.500	2.00	10.0	20.0	30.0
Pentachloroethane	CBZ	Ave	16827	75570	391949	830548	1259698	0.500	2.00	10.0	20.0	30.0
1,2,4-Trimethylbenzene	CBZ	Ave	43634	181270	940994	2018087	3194722	0.500	2.00	10.0	20.0	30.0
sec-Butylbenzene	CBZ	Ave	65164	289491	1525045	3255728	5025330	0.500	2.00	10.0	20.0	30.0
1,3-Dichlorobenzene	CBZ	Ave	33751	152085	787772	1675720	2545103	0.500	2.00	10.0	20.0	30.0
p-Isopropyltoluene	CBZ	Ave	49042	207369	1084963	2357993	3661742	0.500	2.00	10.0	20.0	30.0
1,4-Dichlorobenzene	CBZ	Ave	35646	153465	807097	1712172	2630447	0.500	2.00	10.0	20.0	30.0
1,2-Dichlorobenzene	CBZ	Ave	31892	143605	741660	1543926	2360589	0.500	2.00	10.0	20.0	30.0
n-Butylbenzene	CBZ	Ave	45982	181215	921551	2006358	3178916	0.500	2.00	10.0	20.0	30.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24551-1 Analy Batch No.: 78579

SDG No.: A8091390 (200-24551)

Instrument ID: L.i GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 16:32 Calibration End Date: 10/10/2014 18:43 Calibration ID: 28152

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Hexachloroethane	CBZ	Ave	22525	100627	546169	1164785	1783083	0.500	2.00	10.0	20.0	30.0
1,2-Dibromo-3-Chloropropane	CBZ	Ave	4877	23797	124783	266862	400885	0.500	2.00	10.0	20.0	30.0
Nitrobenzene	CBZ	Ave	37399	220304	1616373	3765872	6018583	25.0	100	500	1000	1500
1,3,5-Trichlorobenzene	CBZ	Ave	22869	103793	521975	1142517	1753800	0.500	2.00	10.0	20.0	30.0
1,2,4-Trichlorobenzene	CBZ	Ave	17856	84463	442286	956713	1496738	0.500	2.00	10.0	20.0	30.0
Hexachlorobutadiene	CBZ	Ave	13704	58237	303420	649633	970087	0.500	2.00	10.0	20.0	30.0
Naphthalene	CBZ	Ave	25925	133471	747294	1598907	2474740	0.500	2.00	10.0	20.0	30.0
1,2,3-Trichlorobenzene	CBZ	Ave	15496	74538	393828	870394	1342337	0.500	2.00	10.0	20.0	30.0

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Data file : /chem/L.i/Lsvr.p/lkr524.b/lkr04.d
Lab Smp Id: IC
Inj Date : 10-OCT-2014 16:32
Operator : MTP Inst ID: L.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkr524.b/524v1.m
Meth Date : 13-Oct-2014 08:26 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 16:32 Cal File: lkr04.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.631	2.647	(0.265)	25603	0.50000	0.48(a)
2 Chloromethane	50	2.892	2.891	(0.292)	15591	0.50000	0.50
3 Vinyl Chloride	62	3.049	3.048	(0.308)	18430	0.50000	0.48(a)
4 Bromomethane	94	3.537	3.553	(0.357)	6466	0.50000	0.44(aQ)
5 Chloroethane	64	3.694	3.710	(0.373)	13297	0.50000	0.54
6 Trichlorofluoromethane	101	4.112	4.128	(0.415)	33452	0.50000	0.48(a)
7 Diethyl Ether	59	4.600	4.599	(0.464)	11183	0.50000	0.47(a)
8 1,1-Dichloroethene	96	4.949	4.982	(0.499)	17504	0.50000	0.48(aQ)
9 Acetone	43	5.053	5.052	(0.510)	19038	2.50000	2.9(a)
10 Methyl Iodide	142	5.210	5.209	(0.525)	7313	0.50000	0.32(a)
11 Carbon Disulfide	76	5.314	5.331	(0.536)	47768	0.50000	0.52
12 Allyl Chloride	41	5.576	5.575	(0.562)	36620	0.50000	0.47(a)
13 Methylene Chloride	84	5.768	5.784	(0.582)	20711	0.50000	0.55
14 t-Butyl Alcohol	59	5.994	6.010	(0.605)	107260	50.0000	48(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	15 trans-1,2-Dichloroethene	96	6.255	6.254	(0.631)	18611	0.50000	0.47(a)
	16 Acrylonitrile	53	6.186	6.202	(0.624)	4038	0.50000	0.48(a)
	17 Methyl-t-Butyl Ether	73	6.255	6.272	(0.631)	38908	0.50000	0.50
	18 1,1-Dichloroethane	63	6.952	6.951	(0.701)	40147	0.50000	0.49(a)
	19 2,2-Dichloropropane	77	7.928	7.944	(0.800)	33130	0.50000	0.54
	20 cis-1,2-Dichloroethene	96	7.946	7.944	(0.801)	19328	0.50000	0.47(a)
	21 2-Butanone	72	7.998	7.979	(0.807)	5789	2.50000	2.2(aQ)
	22 Propionitrile	54	8.050	8.049	(0.812)	62373	25.0000	21(a)
	23 Methyl Acrylate	55	8.172	8.154	(0.824)	16335	0.50000	0.45(a)
	24 Bromochloromethane	128	8.346	8.345	(0.842)	12125	0.50000	0.49(aQ)
	25 Methacrylonitrile	67	8.329	8.310	(0.840)	4776	0.50000	0.48(a)
	26 Tetrahydrofuran	42	8.451	8.450	(0.852)	27979	2.50000	2.6
	27 Chloroform	83	8.486	8.485	(0.856)	41402	0.50000	0.52
	28 1,1,1-Trichloroethane	97	8.799	8.816	(0.888)	30701	0.50000	0.47(a)
	29 1-Chlorobutane	56	8.991	8.990	(0.907)	40339	0.50000	0.47(a)
	30 Carbon Tetrachloride	117	9.096	9.112	(0.917)	28105	0.50000	0.46(a)
	31 1,1-Dichloropropene	75	9.096	9.095	(0.917)	30343	0.50000	0.50
*	32 1,2-Dichloroethane-d4 ISTD	65	9.322	9.338	(1.000)	18673	2.00000	
	33 Benzene	78	9.444	9.443	(0.953)	57072	0.50000	0.49(a)
	34 1,2-Dichloroethane	62	9.462	9.460	(0.954)	18297	0.50000	0.46(a)
*	35 Fluorobenzene	96	9.915	9.931	(1.000)	282050	2.00000	
	36 Trichloroethene	95	10.577	10.576	(1.067)	24498	0.50000	0.49(a)
	37 1,2-Dichloropropane	63	10.943	10.942	(1.104)	24848	0.50000	0.48(a)
	38 Dibromomethane	93	11.152	11.151	(1.125)	18756	0.50000	0.48(a)
	39 Methyl Methacrylate	69	11.187	11.185	(1.128)	14240	0.50000	0.52
	40 Bromodichloromethane	83	11.431	11.429	(1.153)	36634	0.50000	0.45(a)
	41 2-Nitropropane	41	11.814	11.813	(1.192)	77007	10.0000	9.4(a)
	42 Chloroacetonitrile	75	11.918	11.900	(1.202)	26043	25.0000	18(a)
	43 cis-1,3-Dichloropropene	75	12.250	12.248	(1.236)	35273	0.50000	0.50
	44 4-Methyl-2-Pentanone	58	12.546	12.527	(1.265)	35297	2.50000	2.4(a)
	45 1,1-Dichloropropanone	83	12.563	12.562	(1.267)	8235	10.0000	8.9(a)
*	46 Toluene-d8 (IS)	98	12.755	12.754	(1.000)	52162	2.00000	
	47 Toluene	92	12.877	12.876	(1.299)	36405	0.50000	0.48(a)
	48 trans-1,3-Dichloropropene	75	13.278	13.276	(1.339)	24934	0.50000	0.46(a)
	49 Ethyl Methacrylate	69	13.487	13.486	(1.360)	27342	0.50000	0.50
	50 1,1,2-Trichloroethane	83	13.626	13.625	(1.374)	17714	0.50000	0.50
	51 Tetrachloroethene	166	13.940	13.939	(1.406)	32203	0.50000	0.50
	52 1,3-Dichloropropane	76	13.957	13.956	(1.408)	32780	0.50000	0.48(a)
	53 2-Hexanone	43	14.149	14.148	(1.427)	61292	2.50000	2.2(a)
	54 Dibromochloromethane	129	14.410	14.409	(0.920)	30050	0.50000	0.45(a)
	55 1,2-Dibromoethane	107	14.654	14.636	(0.935)	25782	0.50000	0.44(a)
*	56 Chlorobenzene-d5	117	15.665	15.664	(1.000)	210970	2.00000	
	57 Chlorobenzene	112	15.734	15.733	(1.004)	42060	0.50000	0.45(a)
	58 1,1,1,2-Tetrachloroethane	131	15.909	15.908	(1.016)	21759	0.50000	0.45(a)
	59 Ethylbenzene	91	15.996	15.995	(1.021)	71744	0.50000	0.47(a)
	60 m- & p-Xylene	106	16.257	16.274	(1.038)	48092	1.00000	0.90
	61 o-Xylene	106	17.216	17.197	(1.099)	22841	0.50000	0.44(aQ)

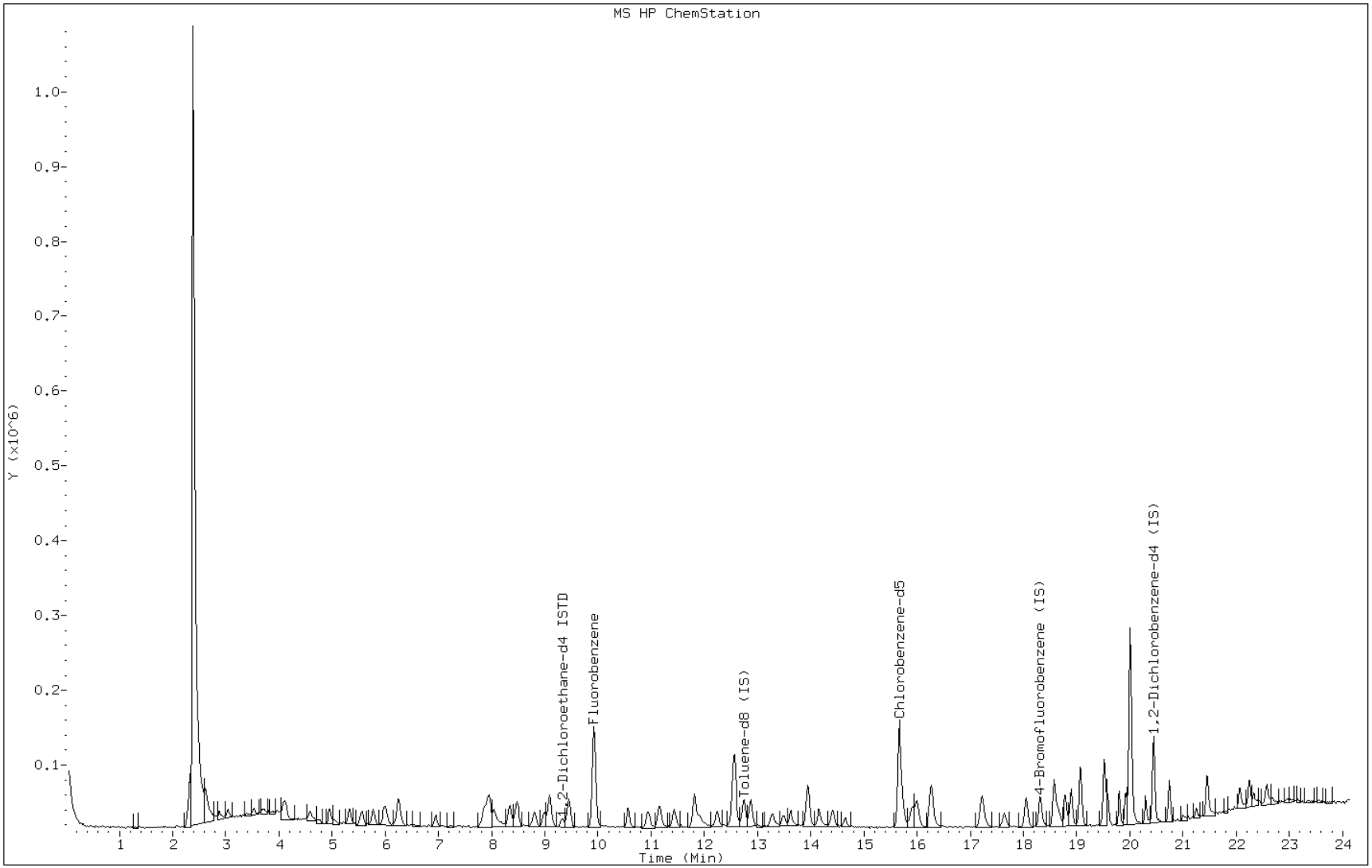
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M	62 Xylene (total)	106				70933	0.50000	1.3
	63 Styrene	104	17.250	17.232	(1.101)	39632	0.50000	0.45(a)
	64 Bromoform	173	17.634	17.633	(1.126)	21636	0.50000	0.42(a)
	65 Isopropylbenzene	105	18.052	18.051	(1.152)	68914	0.50000	0.46(a)
*	66 4-Bromofluorobenzene (IS)	95	18.313	18.312	(1.000)	40902	2.00000	
	67 Bromobenzene	156	18.575	18.574	(1.186)	22286	0.50000	0.45(a)
	68 1,1,2,2-Tetrachloroethane	83	18.575	18.574	(1.186)	31675	0.50000	0.46(a)
	69 1,2,3-Trichloropropane	110	18.644	18.626	(1.190)	6279	0.50000	0.41(a)
	70 trans-1,4-Dichloro-2-butene	53	18.679	18.678	(1.192)	6048	0.50000	0.47(aQ)
	71 n-Propylbenzene	120	18.784	18.783	(1.199)	14186	0.50000	0.41(aQ)
	72 2-Chlorotoluene	126	18.906	18.905	(1.207)	18257	0.50000	0.51
	73 1,3,5-Trimethylbenzene	105	19.063	19.061	(1.217)	45969	0.50000	0.45(a)
	74 4-Chlorotoluene	126	19.080	19.061	(1.218)	15079	0.50000	0.44(a)
	75 tert-Butylbenzene	134	19.516	19.515	(1.246)	13796	0.50000	0.46(a)
	76 Pentachloroethane	167	19.533	19.515	(1.247)	16827	0.50000	0.45(a)
	77 1,2,4-Trimethylbenzene	105	19.585	19.584	(1.250)	43634	0.50000	0.47(a)
	78 sec-Butylbenzene	105	19.812	19.793	(1.265)	65164	0.50000	0.45(a)
	79 1,3-Dichlorobenzene	146	19.934	19.915	(1.273)	33751	0.50000	0.45(a)
	80 p-Isopropyltoluene	119	19.986	19.985	(1.276)	49042	0.50000	0.46(a)
*	81 1,4-Dichlorobenzene-d4	152	20.004	20.002	(1.000)	115256	2.00000	
	82 1,4-Dichlorobenzene	146	20.038	20.037	(1.279)	35646	0.50000	0.46(a)
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.439	20.438	(1.000)	21625	2.00000	
	84 1,2-Dichlorobenzene	146	20.457	20.455	(1.306)	31892	0.50000	0.45(a)
	85 n-Butylbenzene	91	20.457	20.455	(1.306)	45982	0.50000	0.50
	86 Hexachloroethane	117	20.735	20.734	(1.324)	22525	0.50000	0.44(a)
	87 1,2-Dibromo-3-Chloropropane	155	21.258	21.240	(1.357)	4877	0.50000	0.42(a)
	88 1,3,5 Trichlorobenzene	180	21.467	21.449	(1.370)	22869	0.50000	0.45(a)
	89 Nitrobenzene	77	21.450	21.431	(1.369)	37399	25.0000	13(a)
	90 1,2,4-Trichlorobenzene	180	22.077	22.059	(1.409)	17856	0.50000	0.42(a)
	91 Hexachlorobutadiene	225	22.251	22.233	(1.420)	13704	0.50000	0.47(a)
	92 Naphthalene	128	22.321	22.320	(1.425)	25925	0.50000	0.38(a)
	93 1,2,3-Trichlorobenzene	180	22.582	22.564	(1.442)	15496	0.50000	0.41(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: lkr04.d
Client ID:
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: IC
Lab Sample ID: IC

Date: 10-OCT-2014 16:32
Instrument: L.i
Inj Vol: 5.0
Diameter: 0.53



TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Data file : /chem/L.i/Lsvr.p/lkr524.b/lkr05.d
Lab Smp Id: ICIS
Inj Date : 10-OCT-2014 17:05
Operator : MTP Inst ID: L.i
Smp Info : ICIS
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkr524.b/524v1.m
Meth Date : 13-Oct-2014 07:53 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 17:05 Cal File: lkr05.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

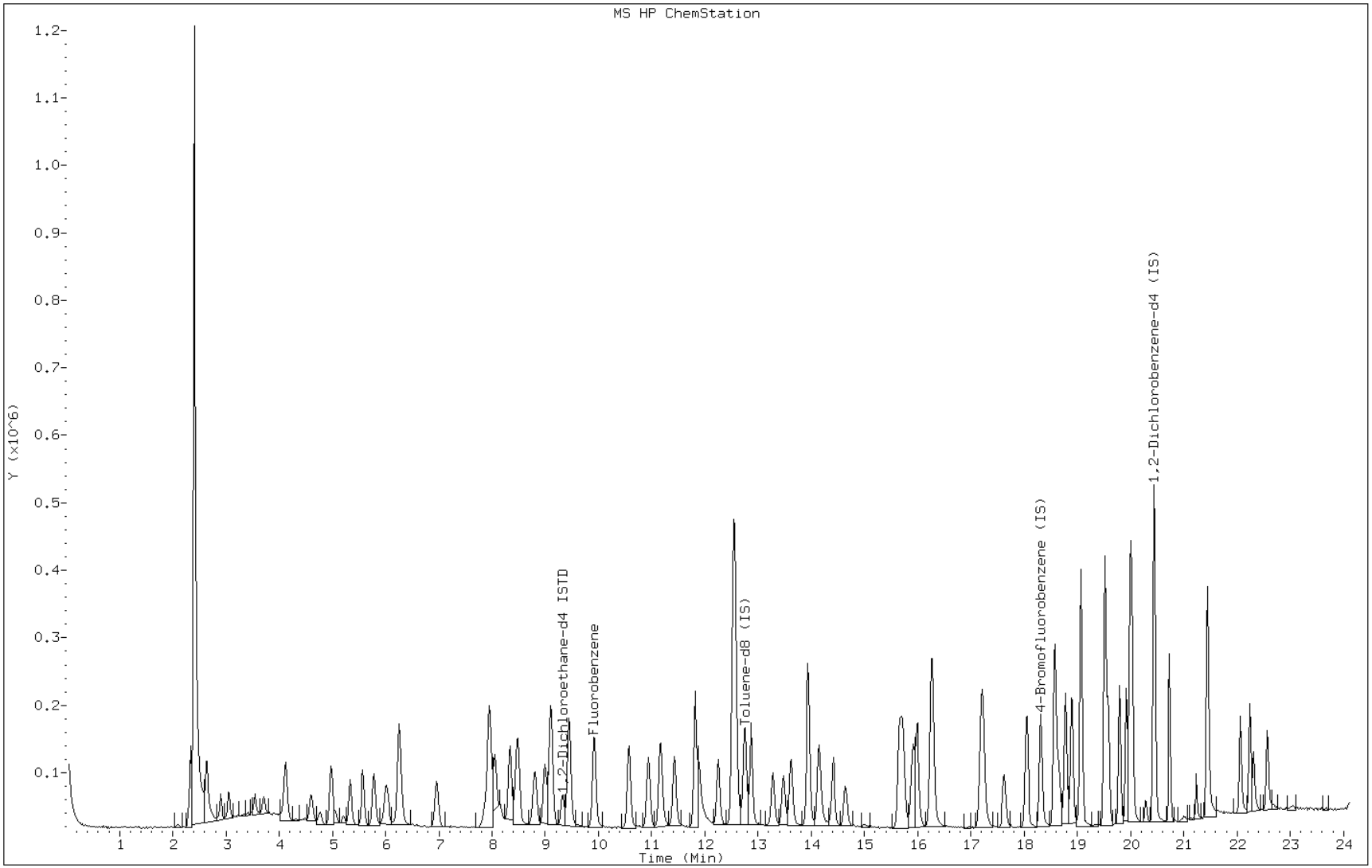
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.647	2.647	(0.267)	113262	2.00000	2.1
2 Chloromethane	50	2.891	2.891	(0.291)	65980	2.00000	2.0
3 Vinyl Chloride	62	3.048	3.048	(0.307)	81712	2.00000	2.1
4 Bromomethane	94	3.553	3.553	(0.358)	30002	2.00000	2.1
5 Chloroethane	64	3.710	3.710	(0.374)	50468	2.00000	1.9
6 Trichlorofluoromethane	101	4.128	4.128	(0.416)	147005	2.00000	2.1
7 Diethyl Ether	59	4.599	4.599	(0.463)	51048	2.00000	2.1
8 1,1-Dichloroethene	96	4.982	4.982	(0.502)	77480	2.00000	2.1
9 Acetone	43	5.052	5.052	(0.509)	64481	10.0000	9.0
10 Methyl Iodide	142	5.209	5.209	(0.524)	35004	2.00000	2.1
11 Carbon Disulfide	76	5.331	5.331	(0.537)	190067	2.00000	2.0
12 Allyl Chloride	41	5.575	5.575	(0.561)	161325	2.00000	2.1
13 Methylene Chloride	84	5.784	5.784	(0.582)	79577	2.00000	1.9
14 t-Butyl Alcohol	59	6.010	6.010	(0.605)	235521	100.000	100

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	15 trans-1,2-Dichloroethene	96	6.254	6.254	(0.630)	81668	2.00000	2.1
	16 Acrylonitrile	53	6.202	6.202	(0.624)	17337	2.00000	2.0
	17 Methyl-t-Butyl Ether	73	6.272	6.272	(0.632)	163012	2.00000	2.0
	18 1,1-Dichloroethane	63	6.951	6.951	(0.700)	175722	2.00000	2.1
	19 2,2-Dichloropropane	77	7.944	7.944	(0.800)	131549	2.00000	2.0
	20 cis-1,2-Dichloroethene	96	7.944	7.944	(0.800)	87066	2.00000	2.1
	21 2-Butanone	72	7.979	7.979	(0.803)	27617	10.0000	11
	22 Propionitrile	54	8.049	8.049	(0.810)	302475	100.000	110
	23 Methyl Acrylate	55	8.154	8.154	(0.821)	68387	2.00000	2.0
	24 Bromochloromethane	128	8.345	8.345	(0.840)	49479	2.00000	2.0
	25 Methacrylonitrile	67	8.310	8.310	(0.837)	20836	2.00000	2.1
	26 Tetrahydrofuran	42	8.450	8.450	(0.851)	106908	10.0000	9.6
	27 Chloroform	83	8.485	8.485	(0.854)	165889	2.00000	2.0
	28 1,1,1-Trichloroethane	97	8.816	8.816	(0.888)	137749	2.00000	2.1
	29 1-Chlorobutane	56	8.990	8.990	(0.905)	181196	2.00000	2.1
	30 Carbon Tetrachloride	117	9.112	9.112	(0.918)	124741	2.00000	2.1
	31 1,1-Dichloropropene	75	9.095	9.095	(0.916)	121169	2.00000	2.0
*	32 1,2-Dichloroethane-d4 ISTD	65	9.338	9.338	(1.000)	66454	2.00000	
	33 Benzene	78	9.443	9.443	(0.951)	237295	2.00000	2.0
	34 1,2-Dichloroethane	62	9.460	9.460	(0.953)	83647	2.00000	2.1
*	35 Fluorobenzene	96	9.931	9.931	(1.000)	292067	2.00000	
	36 Trichloroethene	95	10.576	10.576	(1.065)	103418	2.00000	2.0
	37 1,2-Dichloropropane	63	10.942	10.942	(1.102)	108295	2.00000	2.1
	38 Dibromomethane	93	11.151	11.151	(1.123)	81428	2.00000	2.0
	39 Methyl Methacrylate	69	11.185	11.185	(1.126)	53036	2.00000	1.9
	40 Bromodichloromethane	83	11.429	11.429	(1.151)	168313	2.00000	2.1
	41 2-Nitropropane	41	11.813	11.813	(1.189)	338693	40.0000	41
	42 Chloroacetonitrile	75	11.900	11.900	(1.198)	138714	100.000	110
	43 cis-1,3-Dichloropropene	75	12.248	12.248	(1.233)	140541	2.00000	2.0
	44 4-Methyl-2-Pentanone	58	12.527	12.527	(1.261)	153915	10.0000	10
	45 1,1-Dichloropropanone	83	12.562	12.562	(1.265)	40257	40.0000	43
*	46 Toluene-d8 (IS)	98	12.754	12.754	(1.000)	223260	2.00000	
	47 Toluene	92	12.876	12.876	(1.297)	158436	2.00000	2.0
	48 trans-1,3-Dichloropropene	75	13.276	13.276	(1.337)	108433	2.00000	2.0
	49 Ethyl Methacrylate	69	13.486	13.486	(1.358)	111624	2.00000	2.0
	50 1,1,2-Trichloroethane	83	13.625	13.625	(1.372)	72048	2.00000	2.0
	51 Tetrachloroethene	166	13.939	13.939	(1.404)	131885	2.00000	2.0
	52 1,3-Dichloropropane	76	13.956	13.956	(1.405)	142713	2.00000	2.0
	53 2-Hexanone	43	14.148	14.148	(1.425)	287679	10.0000	11
	54 Dibromochloromethane	129	14.409	14.409	(0.920)	138310	2.00000	2.1
	55 1,2-Dibromoethane	107	14.636	14.636	(0.934)	121371	2.00000	2.1
*	56 Chlorobenzene-d5	117	15.664	15.664	(1.000)	216754	2.00000	
	57 Chlorobenzene	112	15.733	15.733	(1.004)	190997	2.00000	2.1
	58 1,1,1,2-Tetrachloroethane	131	15.908	15.908	(1.016)	99802	2.00000	2.1
	59 Ethylbenzene	91	15.995	15.995	(1.021)	313929	2.00000	2.1
	60 m- & p-Xylene	106	16.274	16.274	(1.039)	220939	4.00000	4.2
	61 o-Xylene	106	17.197	17.197	(1.098)	109087	2.00000	2.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M	62 Xylene (total)	106				330026	2.00000	6.4
	63 Styrene	104	17.232	17.232	(1.100)	178443	2.00000	2.1
	64 Bromoform	173	17.633	17.633	(1.126)	103698	2.00000	2.2
	65 Isopropylbenzene	105	18.051	18.051	(1.152)	302879	2.00000	2.1
*	66 4-Bromofluorobenzene (IS)	95	18.312	18.312	(1.000)	151053	2.00000	
	67 Bromobenzene	156	18.574	18.574	(1.186)	100552	2.00000	2.1
	68 1,1,2,2-Tetrachloroethane	83	18.574	18.574	(1.186)	145958	2.00000	2.1
	69 1,2,3-Trichloropropane	110	18.626	18.626	(1.189)	32387	2.00000	2.2
	70 trans-1,4-Dichloro-2-butene	53	18.678	18.678	(1.192)	27517	2.00000	2.1
	71 n-Propylbenzene	120	18.783	18.783	(1.199)	70343	2.00000	2.2
	72 2-Chlorotoluene	126	18.905	18.905	(1.207)	73207	2.00000	2.0
	73 1,3,5-Trimethylbenzene	105	19.061	19.061	(1.217)	207932	2.00000	2.1
	74 4-Chlorotoluene	126	19.061	19.061	(1.217)	67518	2.00000	2.1
	75 tert-Butylbenzene	134	19.515	19.515	(1.246)	60566	2.00000	2.1
	76 Pentachloroethane	167	19.515	19.515	(1.246)	75570	2.00000	2.1
	77 1,2,4-Trimethylbenzene	105	19.584	19.584	(1.250)	181270	2.00000	2.0
	78 sec-Butylbenzene	105	19.793	19.793	(1.264)	289491	2.00000	2.1
	79 1,3-Dichlorobenzene	146	19.915	19.915	(1.271)	152085	2.00000	2.1
	80 p-Isopropyltoluene	119	19.985	19.985	(1.276)	207369	2.00000	2.0
*	81 1,4-Dichlorobenzene-d4	152	20.002	20.002	(1.000)	121807	2.00000	
	82 1,4-Dichlorobenzene	146	20.037	20.037	(1.279)	153465	2.00000	2.0
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.438	20.438	(1.000)	94178	2.00000	
	84 1,2-Dichlorobenzene	146	20.455	20.455	(1.306)	143605	2.00000	2.1
	85 n-Butylbenzene	91	20.455	20.455	(1.306)	181215	2.00000	2.0
	86 Hexachloroethane	117	20.734	20.734	(1.324)	100627	2.00000	2.1
	87 1,2-Dibromo-3-Chloropropane	155	21.240	21.240	(1.356)	23797	2.00000	2.2
	88 1,3,5 Trichlorobenzene	180	21.449	21.449	(1.369)	103793	2.00000	2.1
	89 Nitrobenzene	77	21.431	21.431	(1.368)	220304	100.000	120
	90 1,2,4-Trichlorobenzene	180	22.059	22.059	(1.408)	84463	2.00000	2.1
	91 Hexachlorobutadiene	225	22.233	22.233	(1.419)	58237	2.00000	2.0
	92 Naphthalene	128	22.320	22.320	(1.425)	133471	2.00000	2.2
	93 1,2,3-Trichlorobenzene	180	22.564	22.564	(1.441)	74538	2.00000	2.2

Data File: lkr05.d
Client ID:
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: ICIS
Lab Sample ID: ICIS

Date: 10-OCT-2014 17:05
Instrument: L.i
Inj Vol: 5.0
Diameter: 0.53



TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Data file : /chem/L.i/Lsvr.p/lkr524.b/lkr06.d
Lab Smp Id: IC
Inj Date : 10-OCT-2014 17:37
Operator : MTP Inst ID: L.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkr524.b/524v1.m
Meth Date : 13-Oct-2014 07:53 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 17:37 Cal File: lkr06.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	2.629	2.647	(0.265)	549281	10.0000	10
2	Chloromethane	50	2.890	2.891	(0.292)	325678	10.0000	10
3	Vinyl Chloride	62	3.047	3.048	(0.307)	388261	10.0000	9.9
4	Bromomethane	94	3.535	3.553	(0.357)	153720	10.0000	11
5	Chloroethane	64	3.692	3.710	(0.372)	249717	10.0000	9.7
6	Trichlorofluoromethane	101	4.110	4.128	(0.415)	725500	10.0000	10
7	Diethyl Ether	59	4.580	4.599	(0.462)	244848	10.0000	10
8	1,1-Dichloroethene	96	4.964	4.982	(0.501)	381204	10.0000	10
9	Acetone	43	5.033	5.052	(0.508)	325314	50.0000	47
10	Methyl Iodide	142	5.208	5.209	(0.525)	225626	10.0000	12
11	Carbon Disulfide	76	5.312	5.331	(0.536)	922209	10.0000	9.7
12	Allyl Chloride	41	5.556	5.575	(0.561)	810508	10.0000	10
13	Methylene Chloride	84	5.765	5.784	(0.582)	374937	10.0000	9.4
14	t-Butyl Alcohol	59	5.992	6.010	(0.604)	458872	200.000	200

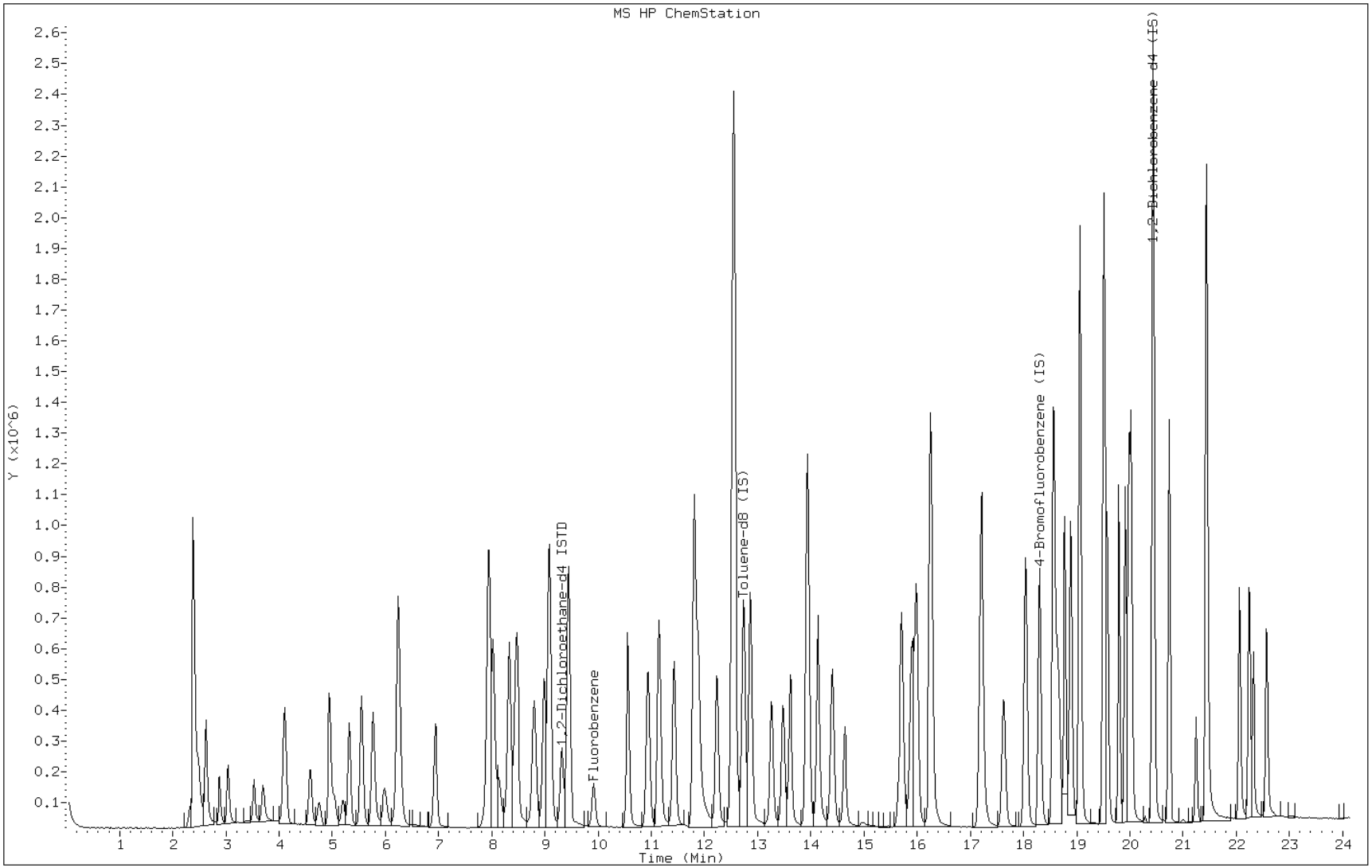
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	15 trans-1,2-Dichloroethene	96	6.236	6.254	(0.629)	413600	10.0000	10
	16 Acrylonitrile	53	6.166	6.202	(0.622)	89091	10.0000	10
	17 Methyl-t-Butyl Ether	73	6.253	6.272	(0.631)	806099	10.0000	10
	18 1,1-Dichloroethane	63	6.933	6.951	(0.699)	856591	10.0000	10
	19 2,2-Dichloropropane	77	7.926	7.944	(0.800)	611953	10.0000	9.4
	20 cis-1,2-Dichloroethene	96	7.926	7.944	(0.800)	429046	10.0000	10
	21 2-Butanone	72	7.961	7.979	(0.803)	140634	50.0000	53
	22 Propionitrile	54	8.030	8.049	(0.810)	1651730	500.000	560
	23 Methyl Acrylate	55	8.135	8.154	(0.821)	403669	10.0000	11
	24 Bromochloromethane	128	8.327	8.345	(0.840)	249247	10.0000	10
	25 Methacrylonitrile	67	8.309	8.310	(0.838)	105998	10.0000	10(Q)
	26 Tetrahydrofuran	42	8.431	8.450	(0.851)	548756	50.0000	50
	27 Chloroform	83	8.466	8.485	(0.854)	808898	10.0000	9.8
	28 1,1,1-Trichloroethane	97	8.797	8.816	(0.887)	695911	10.0000	10
	29 1-Chlorobutane	56	8.971	8.990	(0.905)	899939	10.0000	10
	30 Carbon Tetrachloride	117	9.093	9.112	(0.917)	649926	10.0000	11
	31 1,1-Dichloropropene	75	9.076	9.095	(0.916)	642888	10.0000	10
*	32 1,2-Dichloroethane-d4 ISTD	65	9.320	9.338	(1.000)	328366	2.00000	
	33 Benzene	78	9.424	9.443	(0.951)	1225286	10.0000	10
	34 1,2-Dichloroethane	62	9.442	9.460	(0.953)	429834	10.0000	11
*	35 Fluorobenzene	96	9.912	9.931	(1.000)	289375	2.00000	
	36 Trichloroethene	95	10.557	10.576	(1.065)	514238	10.0000	10
	37 1,2-Dichloropropane	63	10.940	10.942	(1.104)	533154	10.0000	10
	38 Dibromomethane	93	11.132	11.151	(1.123)	398968	10.0000	10
	39 Methyl Methacrylate	69	11.167	11.185	(1.127)	278797	10.0000	10
	40 Bromodichloromethane	83	11.428	11.429	(1.153)	855894	10.0000	11
	41 2-Nitropropane	41	11.812	11.813	(1.192)	1738246	200.000	210
	42 Chloroacetonitrile	75	11.881	11.900	(1.199)	778630	500.000	580
	43 cis-1,3-Dichloropropene	75	12.230	12.248	(1.234)	757469	10.0000	10
	44 4-Methyl-2-Pentanone	58	12.526	12.527	(1.264)	778448	50.0000	52
	45 1,1-Dichloropropanone	83	12.561	12.562	(1.267)	198044	200.000	210
*	46 Toluene-d8 (IS)	98	12.735	12.754	(1.000)	1125859	2.00000	
	47 Toluene	92	12.857	12.876	(1.297)	794622	10.0000	10
	48 trans-1,3-Dichloropropene	75	13.258	13.276	(1.337)	566933	10.0000	11
	49 Ethyl Methacrylate	69	13.467	13.486	(1.359)	565835	10.0000	10
	50 1,1,2-Trichloroethane	83	13.606	13.625	(1.373)	375402	10.0000	10
	51 Tetrachloroethene	166	13.938	13.939	(1.406)	663895	10.0000	10
	52 1,3-Dichloropropane	76	13.938	13.956	(1.406)	704993	10.0000	10
	53 2-Hexanone	43	14.129	14.148	(1.425)	1509239	50.0000	54
	54 Dibromochloromethane	129	14.408	14.409	(0.920)	704721	10.0000	11
	55 1,2-Dibromoethane	107	14.634	14.636	(0.934)	616731	10.0000	11
*	56 Chlorobenzene-d5	117	15.663	15.664	(1.000)	213499	2.00000	
	57 Chlorobenzene	112	15.715	15.733	(1.003)	972197	10.0000	11
	58 1,1,1,2-Tetrachloroethane	131	15.907	15.908	(1.016)	500776	10.0000	10
	59 Ethylbenzene	91	15.976	15.995	(1.020)	1584423	10.0000	10
	60 m- & p-Xylene	106	16.255	16.274	(1.038)	1118664	20.0000	21
	61 o-Xylene	106	17.196	17.197	(1.098)	545939	10.0000	11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M	62 Xylene (total)	106				1664603	10.0000	32
	63 Styrene	104	17.231	17.232	(1.100)	919503	10.0000	11
	64 Bromoform	173	17.632	17.633	(1.126)	554141	10.0000	11
	65 Isopropylbenzene	105	18.032	18.051	(1.151)	1555211	10.0000	11
*	66 4-Bromofluorobenzene (IS)	95	18.311	18.312	(1.000)	735443	2.00000	
	67 Bromobenzene	156	18.555	18.574	(1.185)	512519	10.0000	11
	68 1,1,2,2-Tetrachloroethane	83	18.573	18.574	(1.186)	719856	10.0000	10
	69 1,2,3-Trichloropropane	110	18.625	18.626	(1.189)	162240	10.0000	11
	70 trans-1,4-Dichloro-2-butene	53	18.677	18.678	(1.192)	133886	10.0000	10
	71 n-Propylbenzene	120	18.782	18.783	(1.199)	375552	10.0000	11(Q)
	72 2-Chlorotoluene	126	18.886	18.905	(1.206)	365648	10.0000	10
	73 1,3,5-Trimethylbenzene	105	19.060	19.061	(1.217)	1058303	10.0000	11
	74 4-Chlorotoluene	126	19.060	19.061	(1.217)	365437	10.0000	11
	75 tert-Butylbenzene	134	19.513	19.515	(1.246)	313297	10.0000	11
	76 Pentachloroethane	167	19.513	19.515	(1.246)	391949	10.0000	11
	77 1,2,4-Trimethylbenzene	105	19.566	19.584	(1.249)	940994	10.0000	10
	78 sec-Butylbenzene	105	19.792	19.793	(1.264)	1525045	10.0000	11
	79 1,3-Dichlorobenzene	146	19.914	19.915	(1.271)	787772	10.0000	11
	80 p-Isopropyltoluene	119	19.984	19.985	(1.276)	1084963	10.0000	11
*	81 1,4-Dichlorobenzene-d4	152	20.001	20.002	(1.000)	126159	2.00000	(Q)
	82 1,4-Dichlorobenzene	146	20.019	20.037	(1.278)	807097	10.0000	11
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.437	20.438	(1.000)	480056	2.00000	
	84 1,2-Dichlorobenzene	146	20.454	20.455	(1.306)	741660	10.0000	11
	85 n-Butylbenzene	91	20.454	20.455	(1.306)	921551	10.0000	10
	86 Hexachloroethane	117	20.733	20.734	(1.324)	546169	10.0000	11
	87 1,2-Dibromo-3-Chloropropane	155	21.238	21.240	(1.356)	124783	10.0000	11
	88 1,3,5 Trichlorobenzene	180	21.465	21.449	(1.370)	521975	10.0000	10
	89 Nitrobenzene	77	21.430	21.431	(1.368)	1616373	500.000	700
	90 1,2,4-Trichlorobenzene	180	22.057	22.059	(1.408)	442286	10.0000	11
	91 Hexachlorobutadiene	225	22.249	22.233	(1.421)	303420	10.0000	10
	92 Naphthalene	128	22.319	22.320	(1.425)	747294	10.0000	12
	93 1,2,3-Trichlorobenzene	180	22.580	22.564	(1.442)	393828	10.0000	11

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	lkr06.d	Date:	10-OCT-2014 17:37
Client ID:		Instrument:	L.i
Operator:	MTP	Inj Vol:	5.0
Column Type:	Capillary	Diameter:	0.53
Stationary Phase:	DB-624		
Sample Info:	IC		
Lab Sample ID:	IC		



TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Data file : /chem/L.i/Lsvr.p/lkr524.b/lkr07.d
Lab Smp Id: IC
Inj Date : 10-OCT-2014 18:10
Operator : MTP Inst ID: L.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkr524.b/524v1.m
Meth Date : 13-Oct-2014 07:53 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 18:10 Cal File: lkr07.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.632	2.647	(0.265)	1154631	20.0000	20
2 Chloromethane	50	2.876	2.891	(0.290)	653106	20.0000	19
3 Vinyl Chloride	62	3.050	3.048	(0.308)	810327	20.0000	20
4 Bromomethane	94	3.538	3.553	(0.357)	337092	20.0000	21
5 Chloroethane	64	3.695	3.710	(0.373)	502774	20.0000	19
6 Trichlorofluoromethane	101	4.113	4.128	(0.415)	1501278	20.0000	20
7 Diethyl Ether	59	4.583	4.599	(0.462)	504841	20.0000	20
8 1,1-Dichloroethene	96	4.949	4.982	(0.499)	786797	20.0000	20
9 Acetone	43	5.037	5.052	(0.508)	676811	100.000	94
10 Methyl Iodide	142	5.211	5.209	(0.526)	623822	20.0000	28
11 Carbon Disulfide	76	5.315	5.331	(0.536)	1915744	20.0000	19
12 Allyl Chloride	41	5.559	5.575	(0.561)	1675604	20.0000	20
13 Methylene Chloride	84	5.768	5.784	(0.582)	772157	20.0000	19
14 t-Butyl Alcohol	59	5.995	6.010	(0.605)	1191032	500.000	490

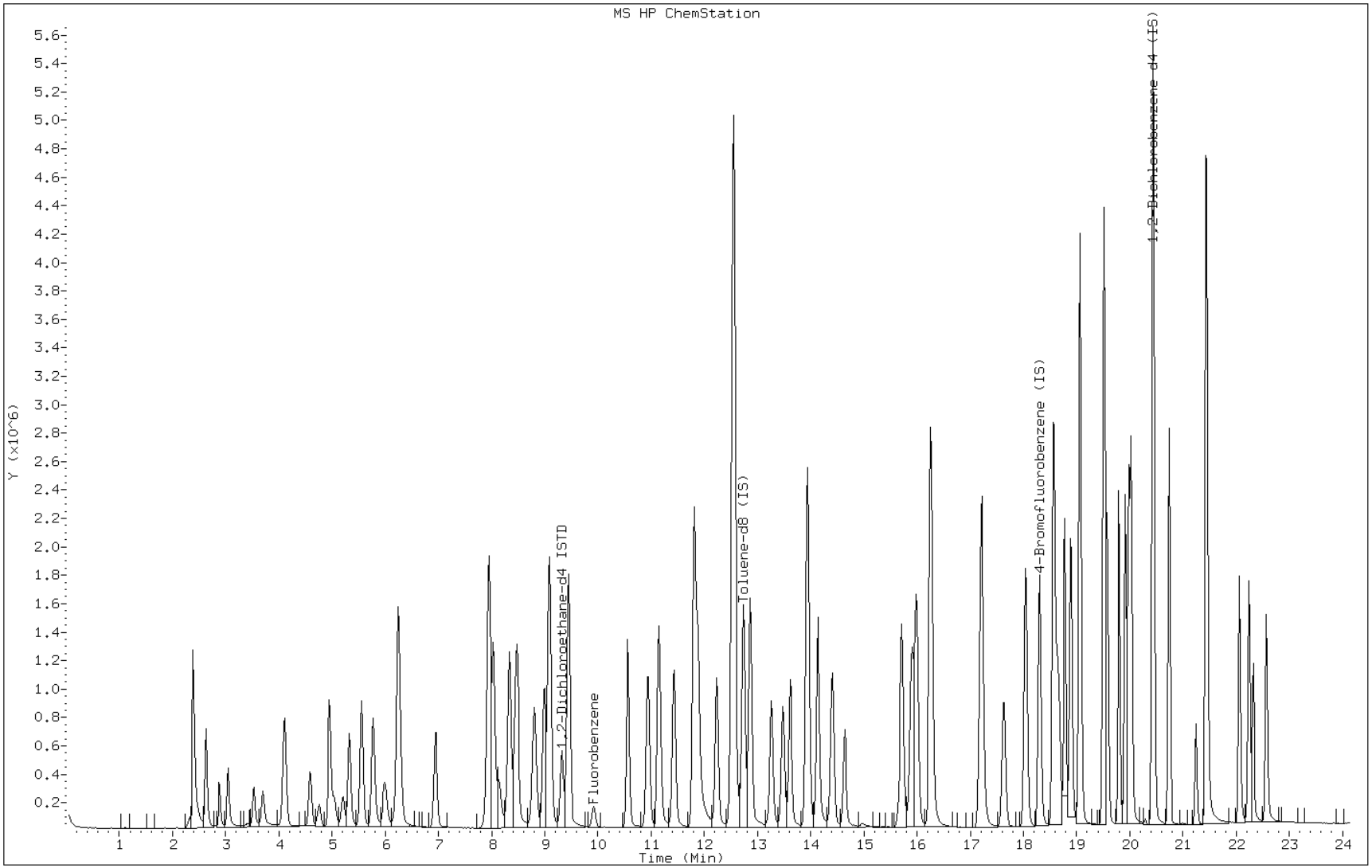
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	15 trans-1,2-Dichloroethene	96	6.239	6.254	(0.629)	858707	20.0000	20
	16 Acrylonitrile	53	6.169	6.202	(0.622)	180249	20.0000	20
	17 Methyl-t-Butyl Ether	73	6.256	6.272	(0.631)	1685693	20.0000	20
	18 1,1-Dichloroethane	63	6.953	6.951	(0.701)	1746195	20.0000	19
	19 2,2-Dichloropropane	77	7.929	7.944	(0.800)	1250416	20.0000	19
	20 cis-1,2-Dichloroethene	96	7.929	7.944	(0.800)	896689	20.0000	20
	21 2-Butanone	72	7.964	7.979	(0.803)	304855	100.000	110
	22 Propionitrile	54	8.034	8.049	(0.810)	3490525	1000.00	1100
	23 Methyl Acrylate	55	8.138	8.154	(0.821)	849640	20.0000	22
	24 Bromochloromethane	128	8.347	8.345	(0.842)	536321	20.0000	20
	25 Methacrylonitrile	67	8.312	8.310	(0.838)	208620	20.0000	19
	26 Tetrahydrofuran	42	8.434	8.450	(0.851)	1130706	100.000	97
	27 Chloroform	83	8.487	8.485	(0.856)	1671888	20.0000	19
	28 1,1,1-Trichloroethane	97	8.800	8.816	(0.888)	1420390	20.0000	20
	29 1-Chlorobutane	56	8.992	8.990	(0.907)	1858736	20.0000	20
	30 Carbon Tetrachloride	117	9.097	9.112	(0.917)	1351760	20.0000	20
	31 1,1-Dichloropropene	75	9.079	9.095	(0.916)	1328836	20.0000	20
*	32 1,2-Dichloroethane-d4 ISTD	65	9.323	9.338	(1.000)	683148	2.00000	
	33 Benzene	78	9.445	9.443	(0.953)	2546439	20.0000	20
	34 1,2-Dichloroethane	62	9.445	9.460	(0.953)	877325	20.0000	20
*	35 Fluorobenzene	96	9.915	9.931	(1.000)	307790	2.00000	
	36 Trichloroethene	95	10.560	10.576	(1.065)	1086713	20.0000	20
	37 1,2-Dichloropropane	63	10.926	10.942	(1.102)	1112548	20.0000	20
	38 Dibromomethane	93	11.135	11.151	(1.123)	845135	20.0000	20
	39 Methyl Methacrylate	69	11.170	11.185	(1.127)	583891	20.0000	20
	40 Bromodichloromethane	83	11.431	11.429	(1.153)	1770172	20.0000	20
	41 2-Nitropropane	41	11.815	11.813	(1.192)	3589324	400.000	400
	42 Chloroacetonitrile	75	11.884	11.900	(1.199)	1707950	1000.00	1100
	43 cis-1,3-Dichloropropene	75	12.233	12.248	(1.234)	1571091	20.0000	20
	44 4-Methyl-2-Pentanone	58	12.529	12.527	(1.264)	1629688	100.000	100
	45 1,1-Dichloropropanone	83	12.564	12.562	(1.267)	397477	400.000	400
*	46 Toluene-d8 (IS)	98	12.738	12.754	(1.000)	2330593	2.00000	
	47 Toluene	92	12.860	12.876	(1.297)	1638612	20.0000	20
	48 trans-1,3-Dichloropropene	75	13.261	13.276	(1.337)	1197611	20.0000	21
	49 Ethyl Methacrylate	69	13.470	13.486	(1.358)	1187686	20.0000	20
	50 1,1,2-Trichloroethane	83	13.610	13.625	(1.373)	768468	20.0000	20
	51 Tetrachloroethene	166	13.941	13.939	(1.406)	1370355	20.0000	20
	52 1,3-Dichloropropane	76	13.941	13.956	(1.406)	1477116	20.0000	20
	53 2-Hexanone	43	14.132	14.148	(1.425)	3167940	100.000	100
	54 Dibromochloromethane	129	14.411	14.409	(0.920)	1486855	20.0000	20
	55 1,2-Dibromoethane	107	14.638	14.636	(0.934)	1286152	20.0000	20
*	56 Chlorobenzene-d5	117	15.666	15.664	(1.000)	233307	2.00000	
	57 Chlorobenzene	112	15.718	15.733	(1.003)	2036379	20.0000	20
	58 1,1,1,2-Tetrachloroethane	131	15.910	15.908	(1.016)	1053876	20.0000	20
	59 Ethylbenzene	91	15.997	15.995	(1.021)	3313063	20.0000	20
	60 m- & p-Xylene	106	16.258	16.274	(1.038)	2350874	40.0000	40
	61 o-Xylene	106	17.199	17.197	(1.098)	1128433	20.0000	20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M	62 Xylene (total)	106				3479307	20.0000	60
	63 Styrene	104	17.234	17.232	(1.100)	1962342	20.0000	21
	64 Bromoform	173	17.635	17.633	(1.126)	1178654	20.0000	21
	65 Isopropylbenzene	105	18.035	18.051	(1.151)	3261105	20.0000	20
*	66 4-Bromofluorobenzene (IS)	95	18.314	18.312	(1.000)	1531732	2.00000	
	67 Bromobenzene	156	18.558	18.574	(1.185)	1085563	20.0000	20
	68 1,1,2,2-Tetrachloroethane	83	18.576	18.574	(1.186)	1498388	20.0000	20
	69 1,2,3-Trichloropropane	110	18.628	18.626	(1.189)	339242	20.0000	21
	70 trans-1,4-Dichloro-2-butene	53	18.680	18.678	(1.192)	268856	20.0000	19
	71 n-Propylbenzene	120	18.785	18.783	(1.199)	790587	20.0000	21(Q)
	72 2-Chlorotoluene	126	18.907	18.905	(1.207)	754826	20.0000	19
	73 1,3,5-Trimethylbenzene	105	19.063	19.061	(1.217)	2245762	20.0000	20
	74 4-Chlorotoluene	126	19.063	19.061	(1.217)	777246	20.0000	21(Q)
	75 tert-Butylbenzene	134	19.517	19.515	(1.246)	663285	20.0000	20
	76 Pentachloroethane	167	19.517	19.515	(1.246)	830548	20.0000	20
	77 1,2,4-Trimethylbenzene	105	19.569	19.584	(1.249)	2018087	20.0000	20
	78 sec-Butylbenzene	105	19.795	19.793	(1.264)	3255728	20.0000	21
	79 1,3-Dichlorobenzene	146	19.917	19.915	(1.271)	1675720	20.0000	21
	80 p-Isopropyltoluene	119	19.987	19.985	(1.276)	2357993	20.0000	21
*	81 1,4-Dichlorobenzene-d4	152	20.004	20.002	(1.000)	138864	2.00000	(Q)
	82 1,4-Dichlorobenzene	146	20.022	20.037	(1.278)	1712172	20.0000	20
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.440	20.438	(1.000)	1020500	2.00000	
	84 1,2-Dichlorobenzene	146	20.457	20.455	(1.306)	1543926	20.0000	20
	85 n-Butylbenzene	91	20.457	20.455	(1.306)	2006358	20.0000	20
	86 Hexachloroethane	117	20.736	20.734	(1.324)	1164785	20.0000	21
	87 1,2-Dibromo-3-Chloropropane	155	21.242	21.240	(1.356)	266862	20.0000	21
	88 1,3,5 Trichlorobenzene	180	21.451	21.449	(1.369)	1142517	20.0000	21
	89 Nitrobenzene	77	21.433	21.431	(1.368)	3765872	1000.00	1300
	90 1,2,4-Trichlorobenzene	180	22.061	22.059	(1.408)	956713	20.0000	21
	91 Hexachlorobutadiene	225	22.235	22.233	(1.419)	649633	20.0000	20
	92 Naphthalene	128	22.322	22.320	(1.425)	1598907	20.0000	22
	93 1,2,3-Trichlorobenzene	180	22.566	22.564	(1.440)	870394	20.0000	22

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	lkr07.d	Date:	10-OCT-2014 18:10
Client ID:		Instrument:	L.i
Operator:	MTP	Inj Vol:	5.0
Column Type:	Capillary	Diameter:	0.53
Stationary Phase:	DB-624		
Sample Info:	IC		
Lab Sample ID:	IC		



TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Data file : /chem/L.i/Lsvr.p/lkr524.b/lkr08.d
Lab Smp Id: IC
Inj Date : 10-OCT-2014 18:43
Operator : MTP Inst ID: L.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkr524.b/524v1.m
Meth Date : 13-Oct-2014 07:53 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 18:43 Cal File: lkr08.d
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.630	2.647	(0.265)	1724340	30.0000	30(A)
2 Chloromethane	50	2.891	2.891	(0.292)	1054933	30.0000	31(A)
3 Vinyl Chloride	62	3.048	3.048	(0.307)	1247744	30.0000	31(A)
4 Bromomethane	94	3.518	3.553	(0.355)	520986	30.0000	33(A)
5 Chloroethane	64	3.692	3.710	(0.372)	773213	30.0000	29
6 Trichlorofluoromethane	101	4.111	4.128	(0.415)	2256097	30.0000	30(A)
7 Diethyl Ether	59	4.599	4.599	(0.464)	780630	30.0000	31(A)
8 1,1-Dichloroethene	96	4.947	4.982	(0.499)	1206056	30.0000	31(A)
9 Acetone	43	5.052	5.052	(0.510)	1084274	150.000	150(A)
10 Methyl Iodide	142	5.208	5.209	(0.525)	1086204	30.0000	44(A)
11 Carbon Disulfide	76	5.313	5.331	(0.536)	2906698	30.0000	30
12 Allyl Chloride	41	5.557	5.575	(0.561)	2554302	30.0000	31(A)
13 Methylene Chloride	84	5.766	5.784	(0.582)	1176226	30.0000	29
14 t-Butyl Alcohol	59	6.010	6.010	(0.606)	2458996	1000.00	1000(A)

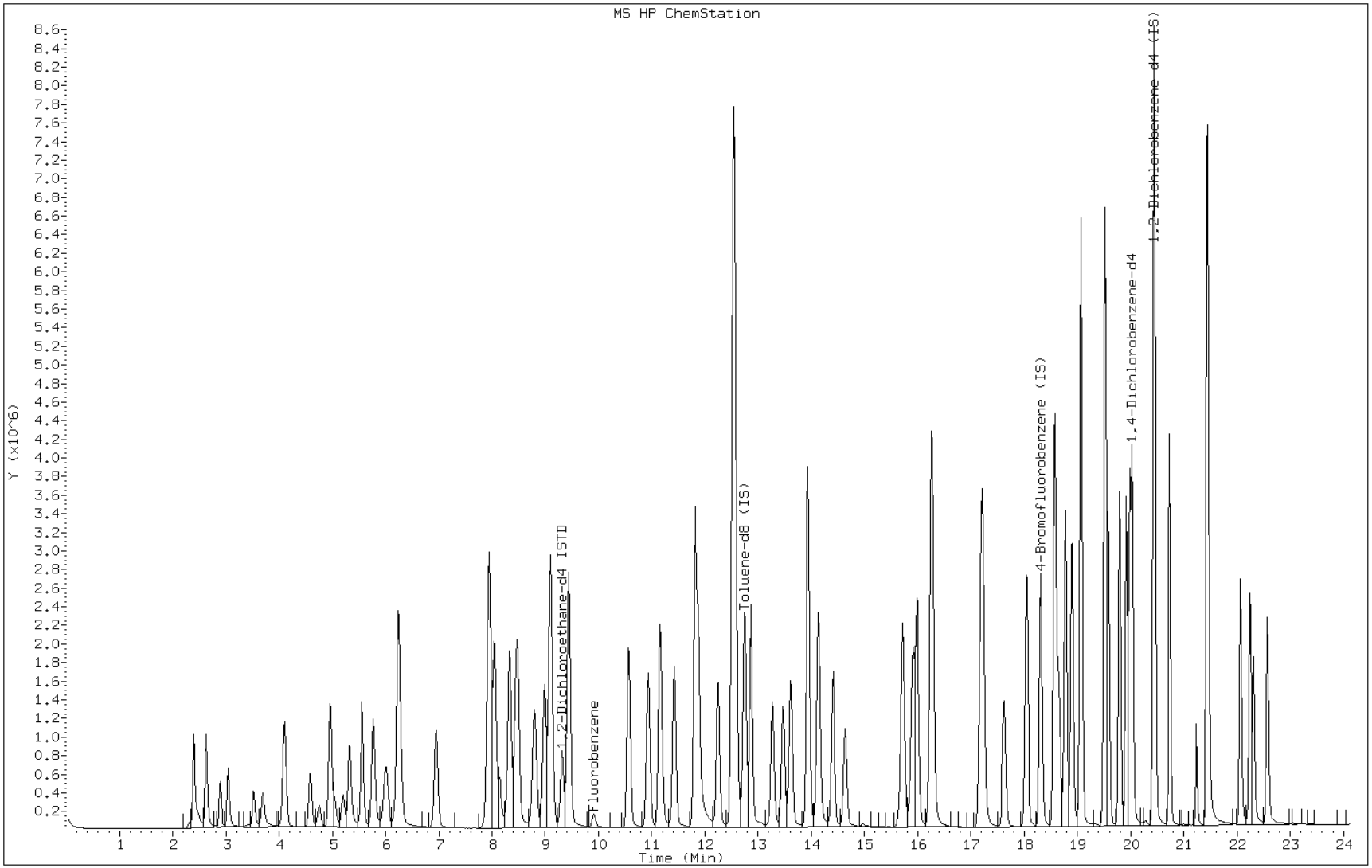
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	15 trans-1,2-Dichloroethene	96	6.236	6.254	(0.629)	1324938	30.0000	31(A)
	16 Acrylonitrile	53	6.167	6.202	(0.622)	281034	30.0000	31(A)
	17 Methyl-t-Butyl Ether	73	6.254	6.272	(0.631)	2564712	30.0000	30(A)
	18 1,1-Dichloroethane	63	6.951	6.951	(0.701)	2670312	30.0000	30(A)
	19 2,2-Dichloropropane	77	7.944	7.944	(0.801)	1875681	30.0000	29
	20 cis-1,2-Dichloroethene	96	7.944	7.944	(0.801)	1377467	30.0000	31(A)
	21 2-Butanone	72	7.962	7.979	(0.803)	474169	150.000	160(A)
	22 Propionitrile	54	8.049	8.049	(0.812)	5406959	1500.00	1700(A)
	23 Methyl Acrylate	55	8.153	8.154	(0.822)	1274151	30.0000	32(A)
	24 Bromochloromethane	128	8.345	8.345	(0.842)	821088	30.0000	31(A)
	25 Methacrylonitrile	67	8.310	8.310	(0.838)	339698	30.0000	32(A)
	26 Tetrahydrofuran	42	8.432	8.450	(0.851)	1841542	150.000	160(A)
	27 Chloroform	83	8.484	8.485	(0.856)	2591499	30.0000	30(A)
	28 1,1,1-Trichloroethane	97	8.798	8.816	(0.888)	2172713	30.0000	31(A)
	29 1-Chlorobutane	56	8.990	8.990	(0.907)	2855369	30.0000	31(A)
	30 Carbon Tetrachloride	117	9.094	9.112	(0.917)	2056615	30.0000	31(A)
	31 1,1-Dichloropropene	75	9.094	9.095	(0.917)	2033225	30.0000	31(A)
*	32 1,2-Dichloroethane-d4 ISTD	65	9.321	9.338	(1.000)	1031781	2.00000	
	33 Benzene	78	9.443	9.443	(0.953)	3882453	30.0000	31(A)
	34 1,2-Dichloroethane	62	9.443	9.460	(0.953)	1339787	30.0000	31(A)
*	35 Fluorobenzene	96	9.913	9.931	(1.000)	302945	2.00000	
	36 Trichloroethene	95	10.558	10.576	(1.065)	1654166	30.0000	31(A)
	37 1,2-Dichloropropane	63	10.941	10.942	(1.104)	1689608	30.0000	31(A)
	38 Dibromomethane	93	11.150	11.151	(1.125)	1296449	30.0000	31(A)
	39 Methyl Methacrylate	69	11.168	11.185	(1.127)	909670	30.0000	31(A)
	40 Bromodichloromethane	83	11.429	11.429	(1.153)	2713721	30.0000	31(A)
	41 2-Nitropropane	41	11.812	11.813	(1.192)	5419725	600.000	620(A)
	42 Chloroacetonitrile	75	11.882	11.900	(1.199)	2674378	1500.00	1700(A)
	43 cis-1,3-Dichloropropene	75	12.248	12.248	(1.236)	2321050	30.0000	30(A)
	44 4-Methyl-2-Pentanone	58	12.527	12.527	(1.264)	2498039	150.000	160(A)
	45 1,1-Dichloropropanone	83	12.562	12.562	(1.267)	629422	600.000	630(A)
*	46 Toluene-d8 (IS)	98	12.736	12.754	(1.000)	3543648	2.00000	
	47 Toluene	92	12.858	12.876	(1.297)	2502116	30.0000	31(A)
	48 trans-1,3-Dichloropropene	75	13.259	13.276	(1.337)	1843086	30.0000	32(A)
	49 Ethyl Methacrylate	69	13.468	13.486	(1.359)	1831659	30.0000	31(A)
	50 1,1,2-Trichloroethane	83	13.607	13.625	(1.373)	1179315	30.0000	31(A)
	51 Tetrachloroethene	166	13.938	13.939	(1.406)	2073050	30.0000	30(A)
	52 1,3-Dichloropropane	76	13.938	13.956	(1.406)	2248120	30.0000	31(A)
	53 2-Hexanone	43	14.130	14.148	(1.425)	4888963	150.000	160(A)
	54 Dibromochloromethane	129	14.409	14.409	(0.920)	2270524	30.0000	32(A)
	55 1,2-Dibromoethane	107	14.635	14.636	(0.934)	1974455	30.0000	32(A)
*	56 Chlorobenzene-d5	117	15.663	15.664	(1.000)	222945	2.00000	
	57 Chlorobenzene	112	15.716	15.733	(1.003)	3115311	30.0000	32(A)
	58 1,1,1,2-Tetrachloroethane	131	15.907	15.908	(1.016)	1607122	30.0000	32(A)
	59 Ethylbenzene	91	15.994	15.995	(1.021)	5050200	30.0000	31(A)
	60 m- & p-Xylene	106	16.273	16.274	(1.039)	3613923	60.0000	64(A)
	61 o-Xylene	106	17.197	17.197	(1.098)	1716944	30.0000	31(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M	62 Xylene (total)	106				5330867	30.0000	95
	63 Styrene	104	17.231	17.232	(1.100)	2992094	30.0000	32(A)
	64 Bromoform	173	17.632	17.633	(1.126)	1806972	30.0000	33(A)
	65 Isopropylbenzene	105	18.050	18.051	(1.152)	4970287	30.0000	32(A)
*	66 4-Bromofluorobenzene (IS)	95	18.312	18.312	(1.000)	2319858	2.00000	
	67 Bromobenzene	156	18.573	18.574	(1.186)	1646973	30.0000	32(A)
	68 1,1,2,2-Tetrachloroethane	83	18.573	18.574	(1.186)	2304757	30.0000	32(A)
	69 1,2,3-Trichloropropane	110	18.643	18.626	(1.190)	506413	30.0000	32(A)
	70 trans-1,4-Dichloro-2-butene	53	18.678	18.678	(1.192)	415570	30.0000	31
	71 n-Propylbenzene	120	18.782	18.783	(1.199)	1203225	30.0000	33(A)
	72 2-Chlorotoluene	126	18.904	18.905	(1.207)	1150042	30.0000	30(A)
	73 1,3,5-Trimethylbenzene	105	19.061	19.061	(1.217)	3452062	30.0000	32(A)
	74 4-Chlorotoluene	126	19.061	19.061	(1.217)	1183180	30.0000	33(A)
	75 tert-Butylbenzene	134	19.514	19.515	(1.246)	1015493	30.0000	32(A)
	76 Pentachloroethane	167	19.514	19.515	(1.246)	1259698	30.0000	32(A)
	77 1,2,4-Trimethylbenzene	105	19.584	19.584	(1.250)	3194722	30.0000	33(A)
	78 sec-Butylbenzene	105	19.793	19.793	(1.264)	5025330	30.0000	33(A)
	79 1,3-Dichlorobenzene	146	19.915	19.915	(1.271)	2545103	30.0000	32(A)
	80 p-Isopropyltoluene	119	19.985	19.985	(1.276)	3661742	30.0000	33(A)
*	81 1,4-Dichlorobenzene-d4	152	20.002	20.002	(1.000)	138462	2.00000	(Q)
	82 1,4-Dichlorobenzene	146	20.037	20.037	(1.279)	2630447	30.0000	32(A)
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.438	20.438	(1.000)	1545041	2.00000	
	84 1,2-Dichlorobenzene	146	20.455	20.455	(1.306)	2360589	30.0000	32(A)
	85 n-Butylbenzene	91	20.455	20.455	(1.306)	3178916	30.0000	33(A)
	86 Hexachloroethane	117	20.734	20.734	(1.324)	1783083	30.0000	33(A)
	87 1,2-Dibromo-3-Chloropropane	155	21.239	21.240	(1.356)	400885	30.0000	32(A)
	88 1,3,5 Trichlorobenzene	180	21.466	21.449	(1.370)	1753800	30.0000	33(A)
	89 Nitrobenzene	77	21.431	21.431	(1.368)	6018583	1500.00	2000(A)
	90 1,2,4-Trichlorobenzene	180	22.058	22.059	(1.408)	1496738	30.0000	34(A)
	91 Hexachlorobutadiene	225	22.250	22.233	(1.421)	970087	30.0000	32(A)
	92 Naphthalene	128	22.320	22.320	(1.425)	2474740	30.0000	34(A)
	93 1,2,3-Trichlorobenzene	180	22.563	22.564	(1.441)	1342337	30.0000	34(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File:	lkr08.d	Date:	10-OCT-2014 18:43
Client ID:		Instrument:	L.i
Operator:	MTP	Inj Vol:	5.0
Column Type:	Capillary	Diameter:	0.53
Stationary Phase:	DB-624		
Sample Info:	IC		
Lab Sample ID:	IC		



FORM III
GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Matrix: Water Level: Low Lab File ID: lkra03.d

Lab ID: ICV 200-78664/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	ICV CONCENTRATION (ug/L)	ICV % REC	QC LIMITS REC	#
Dichlorodifluoromethane	1.00	1.54	154	70-130	^
Chloromethane	1.00	1.45	145	70-130	^
Vinyl chloride	1.00	1.37	137	70-130	^
Bromomethane	1.00	1.59	159	70-130	^
Chloroethane	1.00	1.09	109	70-130	
Trichlorofluoromethane	1.00	1.26	126	70-130	
Diethyl ether	1.00	1.07	107	70-130	
1,1-Dichloroethene	1.00	1.15	115	70-130	
Acetone	5.00	5.53	111	70-130	
Methyl iodide	1.00	1.04	104	70-130	
Carbon disulfide	1.00	1.17	117	70-130	
Allyl chloride	1.00	0.968	97	70-130	
Methylene Chloride	1.00	1.43	143	70-130	^
Acrylonitrile	1.00	0.774	77	70-130	
t-Butyl alcohol	100	101	101	70-130	
trans-1,2-Dichloroethene	1.00	1.17	117	70-130	
Methyl t-butyl ether	1.00	1.16	116	70-130	
1,1-Dichloroethane	1.00	1.16	116	70-130	
cis-1,2-Dichloroethene	1.00	1.15	115	70-130	
2,2-Dichloropropane	1.00	1.21	121	70-130	
2-Butanone	5.00	5.60	112	70-130	
Propionitrile	51.3	52.6	103	70-130	
Methyl acrylate	1.00	1.13	113	70-130	
Methacrylonitrile	1.00	1.23	123	70-130	
Bromochloromethane	1.00	1.15	115	70-130	
Tetrahydrofuran	5.00	5.97	119	70-130	
Chloroform	1.00	1.19	119	70-130	
1,1,1-Trichloroethane	1.00	1.13	113	70-130	
1-Chlorobutane	1.00	1.14	114	70-130	
Carbon tetrachloride	1.00	1.10	110	70-130	
1,1-Dichloropropene	1.00	1.21	121	70-130	
Benzene	1.00	1.10	110	70-130	
1,2-Dichloroethane	1.00	1.10	110	70-130	
Trichloroethene	1.00	1.11	111	70-130	
1,2-Dichloropropane	1.00	1.09	109	70-130	
Dibromomethane	1.00	1.12	112	70-130	
Methyl methacrylate	1.00	0.992	99	70-130	
Bromodichloromethane	1.00	1.07	107	70-130	
2-Nitropropane	21.1	22.0	104	70-130	
Chloroacetonitrile	51.3	51.5	100	70-130	
cis-1,3-Dichloropropene	1.00	1.16	116	70-130	
4-Methyl-2-pentanone (MIBK)	5.00	5.64	113	70-130	

Column to be used to flag recovery and RPD values

FORM III 524.2

FORM III
GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Matrix: Water Level: Low Lab File ID: lkra03.d

Lab ID: ICV 200-78664/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	ICV CONCENTRATION (ug/L)	ICV % REC	QC LIMITS REC	#
1,1-Dichloro-2-propanone	21.1	22.9	109	70-130	
Toluene	1.00	1.13	113	70-130	
trans-1,3-Dichloropropene	1.00	1.19	119	70-130	
Ethyl methacrylate	1.00	1.07	107	70-130	
1,1,2-Trichloroethane	1.00	1.19	119	70-130	
Tetrachloroethene	1.00	1.10	110	70-130	
1,3-Dichloropropane	1.00	1.09	109	70-130	
2-Hexanone	5.00	5.75	115	70-130	
Dibromochloromethane	1.00	1.12	112	70-130	
1,2-Dibromoethane	1.00	1.14	114	70-130	
Chlorobenzene	1.00	1.12	112	70-130	
1,1,1,2-Tetrachloroethane	1.00	1.12	112	70-130	
Ethylbenzene	1.00	1.12	112	70-130	
m&p-Xylene	2.00	2.25	112	70-130	
o-Xylene	1.00	1.09	109	70-130	
Styrene	1.00	1.08	108	70-130	
Bromoform	1.00	1.08	108	70-130	
Isopropylbenzene	1.00	1.11	111	70-130	
Bromobenzene	1.00	1.10	110	70-130	
1,1,2,2-Tetrachloroethane	1.00	1.17	117	70-130	
1,2,3-Trichloropropane	1.00	1.19	119	70-130	
trans-1,4-Dichloro-2-butene	1.00	1.16	116	70-130	
n-Propylbenzene	1.00	1.11	111	70-130	
2-Chlorotoluene	1.00	1.12	112	70-130	
4-Chlorotoluene	1.00	1.15	115	70-130	
1,3,5-Trimethylbenzene	1.00	1.13	113	70-130	
tert-Butylbenzene	1.00	1.11	111	70-130	
Pentachloroethane	1.00	1.07	107	70-130	
1,2,4-Trimethylbenzene	1.00	1.13	113	70-130	
sec-Butylbenzene	1.00	1.09	109	70-130	
1,3-Dichlorobenzene	1.00	1.10	110	70-130	
p-Isopropyltoluene	1.00	1.08	108	70-130	
1,4-Dichlorobenzene	1.00	1.06	106	70-130	
1,2-Dichlorobenzene	1.00	1.12	112	70-130	
n-Butylbenzene	1.00	1.09	109	70-130	
Hexachloroethane	1.00	1.02	102	70-130	
1,2-Dibromo-3-Chloropropane	1.00	1.14	114	70-130	
Nitrobenzene	51.3	44.8	87	70-130	
1,3,5-Trichlorobenzene	1.00	1.14	114	70-130	
1,2,4-Trichlorobenzene	1.00	1.13	113	70-130	
Hexachlorobutadiene	1.00	1.20	120	70-130	
Naphthalene	1.00	1.21	121	70-130	

Column to be used to flag recovery and RPD values

FORM III 524.2

FORM III
GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Matrix: Water Level: Low Lab File ID: lkra03.d

Lab ID: ICV 200-78664/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	ICV CONCENTRATION (ug/L)	ICV % REC	QC LIMITS REC	#
1,2,3-Trichlorobenzene	1.00	1.14	114	70-130	

Column to be used to flag recovery and RPD values

FORM III 524.2

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Data file : /chem/L.i/Lsvr.p/lkra524.b/lkra03.d
Lab Smp Id: ICV
Inj Date : 13-OCT-2014 09:32
Operator : MTP Inst ID: L.i
Smp Info : ICV
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkra524.b/524v1.m
Meth Date : 13-Oct-2014 10:35 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 18:43 Cal File: lkr08.d
Als bottle: 3 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	2.647	2.647	(0.267)	79596	1.54116	1.5(R)
2 Chloromethane	50	2.891	2.891	(0.292)	44394	1.45137	1.5(R)
3 Vinyl Chloride	62	3.048	3.048	(0.307)	50409	1.36562	1.4(R)
4 Bromomethane	94	3.553	3.553	(0.358)	22853	1.58938	1.6(R)
5 Chloroethane	64	3.710	3.710	(0.374)	25916	1.09047	1.1
6 Trichlorofluoromethane	101	4.128	4.128	(0.416)	84767	1.25598	1.3
7 Diethyl Ether	59	4.599	4.599	(0.464)	24532	1.06802	1.1
8 1,1-Dichloroethene	96	4.965	4.982	(0.501)	40898	1.15005	1.2
9 Acetone	43	5.052	5.052	(0.510)	35560	5.52743	5.5
10 Methyl Iodide	142	5.209	5.209	(0.525)	23298	1.03556	1.0
11 Carbon Disulfide	76	5.331	5.331	(0.538)	103539	1.17087	1.2
12 Allyl Chloride	41	5.575	5.575	(0.562)	72640	0.96822	0.97
13 Methylene Chloride	84	5.766	5.784	(0.582)	52360	1.43153	1.4(R)
14 t-Butyl Alcohol	59	5.993	6.010	(0.604)	218016	100.845	100

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 trans-1,2-Dichloroethene	96	6.254	6.254	(0.631)	45039	1.17426	1.2
	16 Acrylonitrile	53	6.184	6.202	(0.624)	6328	0.77360	0.77
	17 Methyl-t-Butyl Ether	73	6.272	6.272	(0.633)	88491	1.16221	1.2
	18 1,1-Dichloroethane	63	6.951	6.951	(0.701)	92946	1.16262	1.2
	19 2,2-Dichloropropane	77	7.944	7.944	(0.801)	71424	1.20570	1.2
	20 cis-1,2-Dichloroethene	96	7.944	7.944	(0.801)	46126	1.15062	1.2
	21 2-Butanone	72	7.962	7.979	(0.803)	14649	5.60199	5.6
	22 Propionitrile	54	8.049	8.049	(0.812)	155249	52.6075	53
	23 Methyl Acrylate	55	8.171	8.154	(0.824)	40303	1.13053	1.1
	24 Bromochloromethane	128	8.345	8.345	(0.842)	27421	1.15232	1.2
	25 Methacrylonitrile	67	8.310	8.310	(0.838)	11935	1.22762	1.2(Q)
	26 Tetrahydrofuran	42	8.467	8.450	(0.854)	62643	5.97076	6.0
	27 Chloroform	83	8.485	8.485	(0.856)	92352	1.19209	1.2
	28 1,1,1-Trichloroethane	97	8.798	8.816	(0.888)	72149	1.13140	1.1
	29 1-Chlorobutane	56	8.990	8.990	(0.907)	95263	1.14127	1.1
	30 Carbon Tetrachloride	117	9.094	9.112	(0.917)	65497	1.10339	1.1
	31 1,1-Dichloropropene	75	9.094	9.095	(0.917)	71805	1.20852	1.2
*	32 1,2-Dichloroethane-d4 ISTD	65	9.321	9.338	(1.000)	70770	2.00000	
	33 Benzene	78	9.443	9.443	(0.953)	124936	1.09872	1.1
	34 1,2-Dichloroethane	62	9.460	9.460	(0.954)	42909	1.10075	1.1
*	35 Fluorobenzene	96	9.913	9.931	(1.000)	273973	2.00000	
	36 Trichloroethene	95	10.558	10.576	(1.065)	54040	1.11187	1.1
	37 1,2-Dichloropropane	63	10.941	10.942	(1.104)	54387	1.08777	1.1
	38 Dibromomethane	93	11.150	11.151	(1.125)	42358	1.12001	1.1
	39 Methyl Methacrylate	69	11.185	11.185	(1.128)	26255	0.99194	0.99
	40 Bromodichloromethane	83	11.429	11.429	(1.153)	83651	1.06770	1.1
	41 2-Nitropropane	41	11.813	11.813	(1.192)	174943	21.9734	22
	42 Chloroacetonitrile	75	11.900	11.900	(1.200)	71246	51.4772	51
	43 cis-1,3-Dichloropropene	75	12.248	12.248	(1.236)	79971	1.15548	1.2
	44 4-Methyl-2-Pentanone	58	12.527	12.527	(1.264)	81770	5.64246	5.6
	45 1,1-Dichloropropanone	83	12.562	12.562	(1.267)	20652	22.8726	23
*	46 Toluene-d8 (IS)	98	12.736	12.754	(1.000)	240673	2.00000	
	47 Toluene	92	12.858	12.876	(1.297)	83614	1.13414	1.1
	48 trans-1,3-Dichloropropene	75	13.276	13.276	(1.339)	62352	1.19067	1.2
	49 Ethyl Methacrylate	69	13.485	13.486	(1.360)	57349	1.07348	1.1
	50 1,1,2-Trichloroethane	83	13.607	13.625	(1.373)	41449	1.19452	1.2
	51 Tetrachloroethene	166	13.938	13.939	(1.406)	68627	1.10420	1.1
	52 1,3-Dichloropropane	76	13.938	13.956	(1.406)	71954	1.08733	1.1
	53 2-Hexanone	43	14.148	14.148	(1.427)	157678	5.75243	5.8
	54 Dibromochloromethane	129	14.409	14.409	(0.920)	71696	1.11828	1.1
	55 1,2-Dibromoethane	107	14.635	14.636	(0.934)	63374	1.13705	1.1
*	56 Chlorobenzene-d5	117	15.664	15.664	(1.000)	201342	2.00000	
	57 Chlorobenzene	112	15.716	15.733	(1.003)	99216	1.12154	1.1
	58 1,1,1,2-Tetrachloroethane	131	15.907	15.908	(1.016)	51127	1.11648	1.1
	59 Ethylbenzene	91	15.995	15.995	(1.021)	163409	1.12363	1.1
	60 m- & p-Xylene	106	16.273	16.274	(1.039)	114614	2.24674	2.2
	61 o-Xylene	106	17.197	17.197	(1.098)	53689	1.09070	1.1

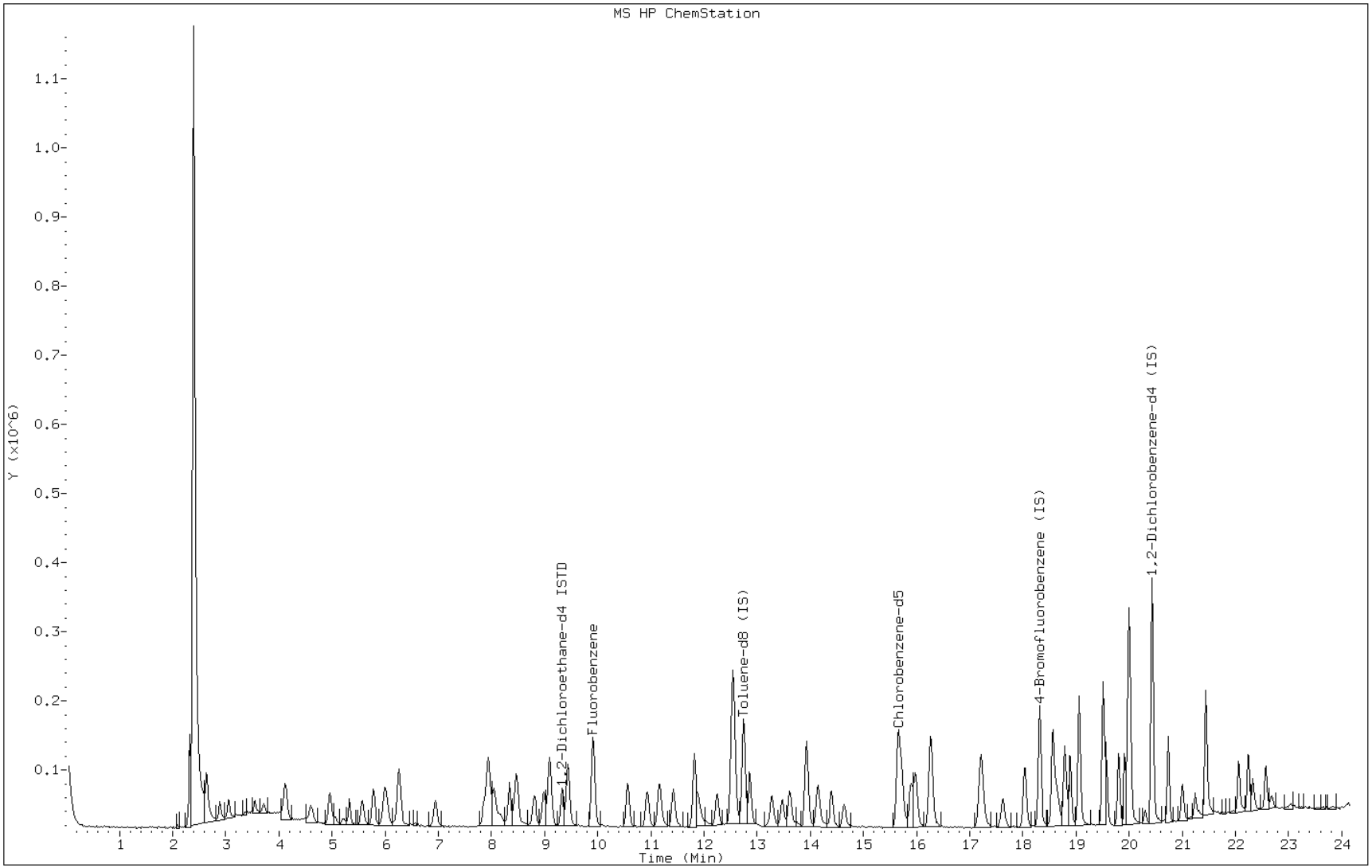
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
M	62 Xylene (total)	106				168304	3.33743	3.3
	63 Styrene	104	17.232	17.232	(1.100)	90677	1.07953	1.1
	64 Bromoform	173	17.633	17.633	(1.126)	53100	1.07503	1.1
	65 Isopropylbenzene	105	18.051	18.051	(1.152)	157661	1.11152	1.1
*	66 4-Bromofluorobenzene (IS)	95	18.312	18.312	(1.000)	156378	2.00000	
	67 Bromobenzene	156	18.573	18.574	(1.186)	51284	1.09586	1.1
	68 1,1,2,2-Tetrachloroethane	83	18.573	18.574	(1.186)	77025	1.16644	1.2
	69 1,2,3-Trichloropropane	110	18.626	18.626	(1.189)	17258	1.19499	1.2
	70 trans-1,4-Dichloro-2-butene	53	18.678	18.678	(1.192)	14134	1.15741	1.2
	71 n-Propylbenzene	120	18.783	18.783	(1.199)	36599	1.10572	1.1(Q)
	72 2-Chlorotoluene	126	18.905	18.905	(1.207)	38304	1.12316	1.1
	73 1,3,5-Trimethylbenzene	105	19.061	19.061	(1.217)	109307	1.12701	1.1
	74 4-Chlorotoluene	126	19.061	19.061	(1.217)	37710	1.15139	1.2(Q)
	75 tert-Butylbenzene	134	19.514	19.515	(1.246)	31849	1.11207	1.1
	76 Pentachloroethane	167	19.514	19.515	(1.246)	38200	1.07341	1.1
	77 1,2,4-Trimethylbenzene	105	19.584	19.584	(1.250)	99013	1.12651	1.1
	78 sec-Butylbenzene	105	19.793	19.793	(1.264)	150873	1.08633	1.1
	79 1,3-Dichlorobenzene	146	19.915	19.915	(1.271)	79158	1.10473	1.1
	80 p-Isopropyltoluene	119	19.985	19.985	(1.276)	108828	1.07919	1.1
*	81 1,4-Dichlorobenzene-d4	152	20.002	20.002	(1.000)	105888	2.00000	
	82 1,4-Dichlorobenzene	146	20.037	20.037	(1.279)	78481	1.06489	1.1
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.438	20.438	(1.000)	100261	2.00000	
	84 1,2-Dichlorobenzene	146	20.455	20.455	(1.306)	74763	1.11523	1.1
	85 n-Butylbenzene	91	20.455	20.455	(1.306)	96313	1.09171	1.1
	86 Hexachloroethane	117	20.734	20.734	(1.324)	50124	1.02223	1.0
	87 1,2-Dibromo-3-Chloropropane	155	21.239	21.240	(1.356)	12703	1.14010	1.1
	88 1,3,5 Trichlorobenzene	180	21.466	21.449	(1.370)	55604	1.14328	1.1
	89 Nitrobenzene	77	21.449	21.431	(1.369)	119965	44.7758	45
	90 1,2,4-Trichlorobenzene	180	22.076	22.059	(1.409)	45359	1.12632	1.1
	91 Hexachlorobutadiene	225	22.250	22.233	(1.421)	33434	1.20221	1.2
	92 Naphthalene	128	22.320	22.320	(1.425)	78692	1.20902	1.2
	93 1,2,3-Trichlorobenzene	180	22.581	22.564	(1.442)	41042	1.14449	1.1

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: lkra03.d
Client ID:
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: ICV
Lab Sample ID: ICV

Date: 13-OCT-2014 09:32
Instrument: L.i
Inj Vol: 5.0
Diameter: 0.53



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Lab Sample ID: CCVIS 200-78664/2 Calibration Date: 10/13/2014 09:00

Instrument ID: L.i Calib Start Date: 10/10/2014 16:32

GC Column: DB-624 ID: 0.53(mm) Calib End Date: 10/10/2014 18:43

Lab File ID: lkra02.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3770	0.3669		1.95	2.00	-2.7	30.0
Chloromethane	Ave	0.2233	0.2147		1.92	2.00	-3.8	30.0
Vinyl chloride	Ave	0.2695	0.2583		1.92	2.00	-4.2	30.0
Bromomethane	Ave	0.1050	0.1368		2.61	2.00	30.3*	30.0
Chloroethane	Ave	0.1735	0.1778		2.05	2.00	2.5	30.0
Trichlorofluoromethane	Ave	0.4927	0.4684		1.90	2.00	-4.9	30.0
Diethyl ether	Ave	0.1677	0.1666		1.99	2.00	-0.7	30.0
1,1-Dichloroethene	Ave	0.2596	0.2551		1.97	2.00	-1.7	30.0
Acetone	Ave	0.0470	0.0434		9.25	10.0	-7.5	30.0
Methyl iodide	Ave	0.1642	0.1448		1.76	2.00	-11.9	30.0
Carbon disulfide	Ave	0.6455	0.6747		2.09	2.00	4.5	30.0
Allyl chloride	Ave	0.5477	0.5335		1.95	2.00	-2.6	30.0
Methylene Chloride	Ave	0.2670	0.2724		2.04	2.00	2.0	30.0
t-Butyl alcohol	Ave	0.0158	0.0165		105	100	4.6	30.0
Acrylonitrile	Ave	0.0597	0.0505		1.69	2.00	-15.4	30.0
trans-1,2-Dichloroethene	Ave	0.2800	0.2753		1.97	2.00	-1.7	30.0
Methyl t-butyl ether	Ave	0.5558	0.5458		1.96	2.00	-1.8	30.0
1,1-Dichloroethane	Ave	0.5836	0.5490		1.88	2.00	-5.9	30.0
2,2-Dichloropropane	Ave	0.4324	0.4564		2.11	2.00	5.5	30.0
cis-1,2-Dichloroethene	Ave	0.2926	0.2954		2.02	2.00	0.9	30.0
2-Butanone	Ave	0.0191	0.0193		10.1	10.0	1.1	30.0
Propionitrile	Ave	0.0215	0.0199		94.1	102	-7.8	30.0
Methyl acrylate	Ave	0.2602	0.2781		2.14	2.00	6.8	30.0
Methacrylonitrile	Ave	0.0710	0.0664		1.87	2.00	-6.4	30.0
Bromochloromethane	Ave	0.1737	0.1716		1.98	2.00	-1.2	30.0
Tetrahydrofuran	Ave	0.0766	0.0751		9.81	10.0	-1.9	30.0
Chloroform	Ave	0.5655	0.5460		1.93	2.00	-3.5	30.0
1,1,1-Trichloroethane	Ave	0.4655	0.4526		1.94	2.00	-2.8	30.0
1-Chlorobutane	Ave	0.6093	0.5988		1.97	2.00	-1.7	30.0
1,1-Dichloropropene	Ave	0.4337	0.4114		1.90	2.00	-5.2	30.0
Carbon tetrachloride	Ave	0.4333	0.4110		1.90	2.00	-5.2	30.0
Benzene	Ave	0.8301	0.8034		1.94	2.00	-3.2	30.0
1,2-Dichloroethane	Ave	0.2846	0.2909		2.04	2.00	2.2	30.0
Trichloroethene	Ave	0.3548	0.3472		1.96	2.00	-2.1	30.0
1,2-Dichloropropane	Ave	0.3650	0.3445		1.89	2.00	-5.6	30.0
Dibromomethane	Ave	0.2761	0.2840		2.06	2.00	2.9	30.0
Methyl methacrylate	Ave	0.1932	0.1880		1.95	2.00	-2.7	30.0
Bromodichloromethane	Ave	0.5719	0.5459		1.91	2.00	-4.6	30.0
2-Nitropropane	Ave	0.0581	0.0520		37.6	42.0	-10.5	30.0
Chloroacetonitrile	Ave	0.0101	0.0095		96.2	102	-5.6	30.0
cis-1,3-Dichloropropene	Ave	0.5052	0.5135		2.03	2.00	1.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Lab Sample ID: CCVIS 200-78664/2 Calibration Date: 10/13/2014 09:00

Instrument ID: L.i Calib Start Date: 10/10/2014 16:32

GC Column: DB-624 ID: 0.53(mm) Calib End Date: 10/10/2014 18:43

Lab File ID: lkra02.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Methyl-2-pentanone (MIBK)	Ave	0.1058	0.1010		9.55	10.0	-4.5	30.0
1,1-Dichloro-2-propanone	Ave	0.0066	0.0061		39.0	42.0	-7.2	30.0
Toluene	Ave	0.5382	0.5115		1.90	2.00	-5.0	30.0
trans-1,3-Dichloropropene	Ave	0.3823	0.4146		2.17	2.00	8.5	30.0
Ethyl methacrylate	Ave	0.3900	0.3549		1.82	2.00	-9.0	30.0
1,1,2-Trichloroethane	Ave	0.2533	0.2416		1.91	2.00	-4.6	30.0
1,3-Dichloropropane	Ave	0.4831	0.4872		2.02	2.00	0.9	30.0
Tetrachloroethene	Ave	0.4537	0.4373		1.93	2.00	-3.6	30.0
2-Hexanone	Ave	0.2001	0.1911		9.55	10.0	-4.5	30.0
Dibromochloromethane	Ave	0.6369	0.5418		1.70	2.00	-14.9	30.0
1,2-Dibromoethane	Ave	0.5536	0.5054		1.83	2.00	-8.7	30.0
Chlorobenzene	Ave	0.8788	0.7852		1.79	2.00	-10.6	30.0
1,1,1,2-Tetrachloroethane	Ave	0.4549	0.3912		1.72	2.00	-14.0	30.0
Ethylbenzene	Ave	1.445	1.251		1.73	2.00	-13.4	30.0
m&p-Xylene	Ave	0.5067	0.4446		3.51	4.00	-12.3	30.0
o-Xylene	Ave	0.4890	0.4228		1.73	2.00	-13.5	30.0
Styrene	Ave	0.8344	0.7257		1.74	2.00	-13.0	30.0
Bromoform	Ave	0.4907	0.4157		1.69	2.00	-15.3	30.0
Isopropylbenzene	Ave	1.409	1.216		1.73	2.00	-13.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6559	0.5762		1.76	2.00	-12.2	30.0
Bromobenzene	Ave	0.4649	0.4186		1.80	2.00	-10.0	30.0
1,2,3-Trichloropropane	Ave	0.1435	0.1269		1.77	2.00	-11.5	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1213	0.1094		1.80	2.00	-9.8	30.0
n-Propylbenzene	Ave	0.3288	0.2883		1.75	2.00	-12.3	30.0
2-Chlorotoluene	Ave	0.3388	0.3054		1.80	2.00	-9.8	30.0
1,3,5-Trimethylbenzene	Ave	0.9634	0.8081		1.68	2.00	-16.1	30.0
4-Chlorotoluene	Ave	0.3253	0.2926		1.80	2.00	-10.1	30.0
tert-Butylbenzene	Ave	0.2845	0.2382		1.67	2.00	-16.3	30.0
Pentachloroethane	Ave	0.3535	0.3035		1.72	2.00	-14.1	30.0
1,2,4-Trimethylbenzene	Ave	0.8731	0.7305		1.67	2.00	-16.3	30.0
sec-Butylbenzene	Ave	1.380	1.165		1.69	2.00	-15.6	30.0
1,3-Dichlorobenzene	Ave	0.7118	0.6429		1.81	2.00	-9.7	30.0
p-Isopropyltoluene	Ave	1.002	0.8407		1.68	2.00	-16.1	30.0
1,4-Dichlorobenzene	Ave	0.7321	0.6607		1.81	2.00	-9.7	30.0
1,2-Dichlorobenzene	Ave	0.6659	0.5816		1.75	2.00	-12.7	30.0
n-Butylbenzene	Ave	0.8763	0.7273		1.66	2.00	-17.0	30.0
Hexachloroethane	Ave	0.4871	0.4234		1.74	2.00	-13.1	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1107	0.0959		1.73	2.00	-13.4	30.0
Nitrobenzene	Ave	0.0266	0.0204		78.2	102	-23.3	30.0
1,3,5-Trichlorobenzene	Ave	0.4831	0.4276		1.77	2.00	-11.5	30.0
1,2,4-Trichlorobenzene	Ave	0.4000	0.3713		1.86	2.00	-7.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Lab Sample ID: CCVIS 200-78664/2 Calibration Date: 10/13/2014 09:00

Instrument ID: L.i Calib Start Date: 10/10/2014 16:32

GC Column: DB-624 ID: 0.53(mm) Calib End Date: 10/10/2014 18:43

Lab File ID: lkra02.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.2763	0.2516		1.82	2.00	-8.9	30.0
Naphthalene	Ave	0.6465	0.5769		1.78	2.00	-10.8	30.0
1,2,3-Trichlorobenzene	Ave	0.3562	0.3372		1.89	2.00	-5.4	30.0

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Data file : /chem/L.i/Lsvr.p/lkra524.b/lkra02.d
Lab Smp Id: CCVIS
Inj Date : 13-OCT-2014 09:00
Operator : MTP Inst ID: L.i
Smp Info : CCVIS
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkra524.b/524v1.m
Meth Date : 13-Oct-2014 10:35 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 18:43 Cal File: lkr08.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85	2.647	2.647	(0.267)	108399	2.00000	1.9
2 Chloromethane	50	2.891	2.891	(0.292)	63441	2.00000	1.9
3 Vinyl Chloride	62	3.066	3.048	(0.309)	76302	2.00000	1.9
4 Bromomethane	94	3.553	3.553	(0.358)	40421	2.00000	2.6
5 Chloroethane	64	3.728	3.710	(0.376)	52518	2.00000	2.0
6 Trichlorofluoromethane	101	4.128	4.128	(0.416)	138394	2.00000	1.9
7 Diethyl Ether	59	4.599	4.599	(0.464)	49216	2.00000	2.0
8 1,1-Dichloroethene	96	4.982	4.982	(0.503)	75370	2.00000	2.0
9 Acetone	43	5.069	5.052	(0.511)	64153	10.0000	9.2
10 Methyl Iodide	142	5.226	5.209	(0.527)	42770	2.00000	1.8
11 Carbon Disulfide	76	5.331	5.331	(0.538)	199337	2.00000	2.1
12 Allyl Chloride	41	5.575	5.575	(0.562)	157624	2.00000	1.9
13 Methylene Chloride	84	5.784	5.784	(0.583)	80487	2.00000	2.0
14 t-Butyl Alcohol	59	6.010	6.010	(0.606)	243766	100.000	100

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	15 trans-1,2-Dichloroethene	96	6.254	6.254	(0.631)	81345	2.00000	2.0
	16 Acrylonitrile	53	6.185	6.202	(0.624)	14925	2.00000	1.7
	17 Methyl-t-Butyl Ether	73	6.272	6.272	(0.633)	161275	2.00000	2.0
	18 1,1-Dichloroethane	63	6.951	6.951	(0.701)	162219	2.00000	1.9
	19 2,2-Dichloropropane	77	7.944	7.944	(0.801)	134844	2.00000	2.1
	20 cis-1,2-Dichloroethene	96	7.944	7.944	(0.801)	87284	2.00000	2.0
	21 2-Butanone	72	7.979	7.979	(0.805)	28517	10.0000	10
	22 Propionitrile	54	8.049	8.049	(0.812)	299322	100.000	94
	23 Methyl Acrylate	55	8.154	8.154	(0.822)	82157	2.00000	2.1
	24 Bromochloromethane	128	8.345	8.345	(0.842)	50701	2.00000	2.0
	25 Methacrylonitrile	67	8.310	8.310	(0.838)	19630	2.00000	1.9(Q)
	26 Tetrahydrofuran	42	8.450	8.450	(0.852)	110943	10.0000	9.8
	27 Chloroform	83	8.485	8.485	(0.856)	161328	2.00000	1.9
	28 1,1,1-Trichloroethane	97	8.816	8.816	(0.889)	133724	2.00000	1.9
	29 1-Chlorobutane	56	8.990	8.990	(0.907)	176908	2.00000	2.0
	30 Carbon Tetrachloride	117	9.112	9.112	(0.919)	121427	2.00000	1.9
	31 1,1-Dichloropropene	75	9.095	9.095	(0.917)	121551	2.00000	1.9
*	32 1,2-Dichloroethane-d4 ISTD	65	9.321	9.338	(1.000)	71404	2.00000	
	33 Benzene	78	9.443	9.443	(0.953)	237363	2.00000	1.9
	34 1,2-Dichloroethane	62	9.460	9.460	(0.954)	85952	2.00000	2.0
*	35 Fluorobenzene	96	9.914	9.931	(1.000)	295463	2.00000	
	36 Trichloroethene	95	10.576	10.576	(1.067)	102588	2.00000	2.0
	37 1,2-Dichloropropane	63	10.942	10.942	(1.104)	101788	2.00000	1.9
	38 Dibromomethane	93	11.151	11.151	(1.125)	83920	2.00000	2.1
	39 Methyl Methacrylate	69	11.186	11.185	(1.128)	55539	2.00000	1.9
	40 Bromodichloromethane	83	11.429	11.429	(1.153)	161281	2.00000	1.9
	41 2-Nitropropane	41	11.813	11.813	(1.192)	322515	40.0000	38
	42 Chloroacetonitrile	75	11.900	11.900	(1.200)	143658	100.000	96
	43 cis-1,3-Dichloropropene	75	12.248	12.248	(1.236)	151731	2.00000	2.0
	44 4-Methyl-2-Pentanone	58	12.527	12.527	(1.264)	149200	10.0000	9.5
	45 1,1-Dichloropropanone	83	12.562	12.562	(1.267)	37932	40.0000	39
*	46 Toluene-d8 (IS)	98	12.736	12.754	(1.000)	218264	2.00000	
	47 Toluene	92	12.858	12.876	(1.297)	151139	2.00000	1.9
	48 trans-1,3-Dichloropropene	75	13.277	13.276	(1.339)	122512	2.00000	2.2
	49 Ethyl Methacrylate	69	13.486	13.486	(1.360)	104865	2.00000	1.8
	50 1,1,2-Trichloroethane	83	13.608	13.625	(1.373)	71377	2.00000	1.9
	51 Tetrachloroethene	166	13.939	13.939	(1.406)	129209	2.00000	1.9
	52 1,3-Dichloropropane	76	13.939	13.956	(1.406)	143959	2.00000	2.0
	53 2-Hexanone	43	14.148	14.148	(1.427)	282345	10.0000	9.6
	54 Dibromochloromethane	129	14.409	14.409	(0.920)	131393	2.00000	1.7
	55 1,2-Dibromoethane	107	14.636	14.636	(0.934)	122554	2.00000	1.8
*	56 Chlorobenzene-d5	117	15.664	15.664	(1.000)	242505	2.00000	
	57 Chlorobenzene	112	15.716	15.733	(1.003)	190412	2.00000	1.8
	58 1,1,1,2-Tetrachloroethane	131	15.908	15.908	(1.016)	94865	2.00000	1.7
	59 Ethylbenzene	91	15.995	15.995	(1.021)	303460	2.00000	1.7
	60 m- & p-Xylene	106	16.274	16.274	(1.039)	215645	4.00000	3.5
	61 o-Xylene	106	17.197	17.197	(1.098)	102520	2.00000	1.7

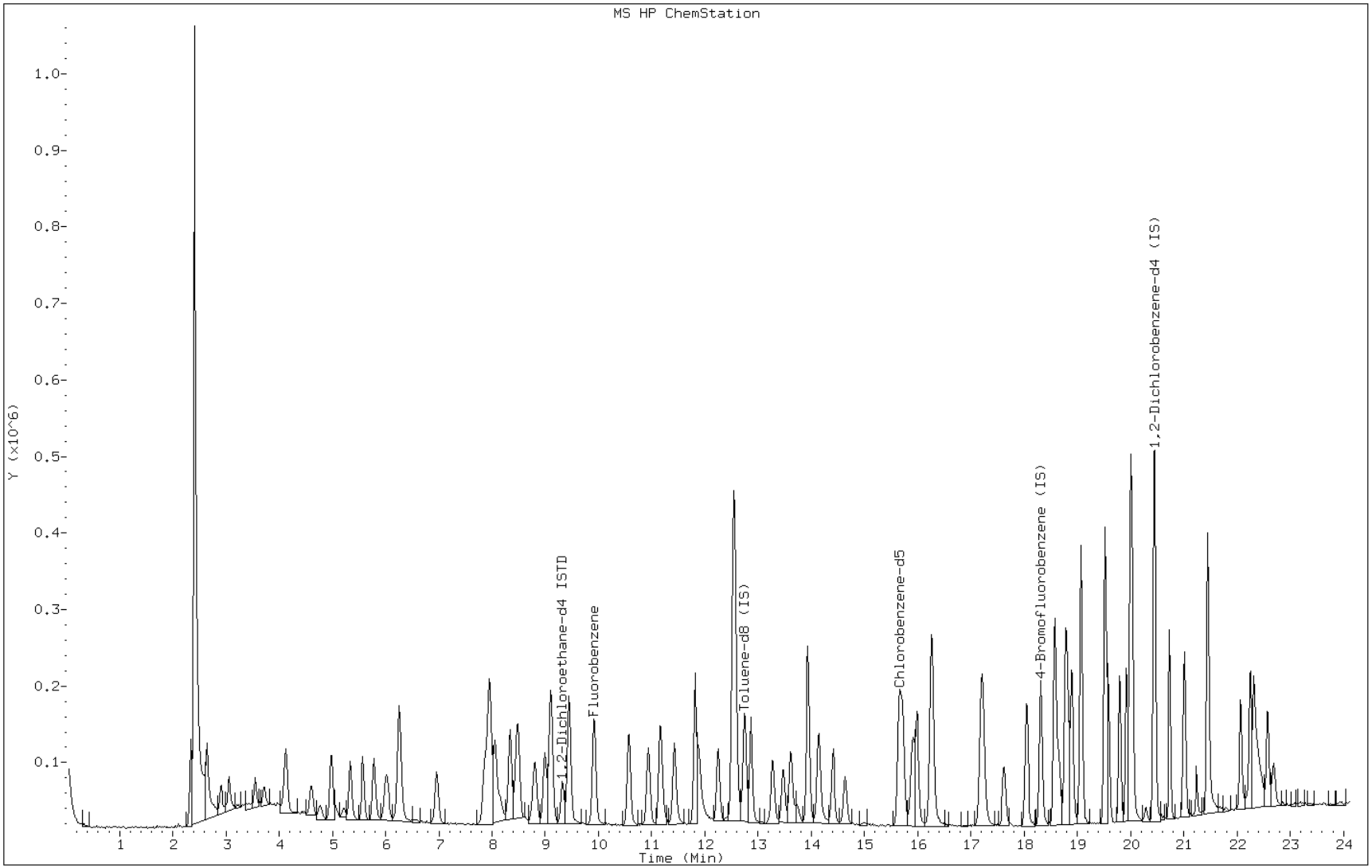
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M	62 Xylene (total)	106				318166	2.00000	5.2
	63 Styrene	104	17.232	17.232	(1.100)	175986	2.00000	1.7
	64 Bromoform	173	17.633	17.633	(1.126)	100814	2.00000	1.7
	65 Isopropylbenzene	105	18.051	18.051	(1.152)	294928	2.00000	1.7
*	66 4-Bromofluorobenzene (IS)	95	18.312	18.312	(1.000)	170060	2.00000	
	67 Bromobenzene	156	18.574	18.574	(1.186)	101501	2.00000	1.8
	68 1,1,2,2-Tetrachloroethane	83	18.574	18.574	(1.186)	139727	2.00000	1.8
	69 1,2,3-Trichloropropane	110	18.643	18.626	(1.190)	30780	2.00000	1.8
	70 trans-1,4-Dichloro-2-butene	53	18.678	18.678	(1.192)	26524	2.00000	1.8
	71 n-Propylbenzene	120	18.783	18.783	(1.199)	69903	2.00000	1.8(Q)
	72 2-Chlorotoluene	126	18.905	18.905	(1.207)	74071	2.00000	1.8
	73 1,3,5-Trimethylbenzene	105	19.062	19.061	(1.217)	195963	2.00000	1.7
	74 4-Chlorotoluene	126	19.062	19.061	(1.217)	70966	2.00000	1.8(Q)
	75 tert-Butylbenzene	134	19.515	19.515	(1.246)	57762	2.00000	1.7
	76 Pentachloroethane	167	19.532	19.515	(1.247)	73606	2.00000	1.7
	77 1,2,4-Trimethylbenzene	105	19.584	19.584	(1.250)	177145	2.00000	1.7
	78 sec-Butylbenzene	105	19.793	19.793	(1.264)	282432	2.00000	1.7
	79 1,3-Dichlorobenzene	146	19.915	19.915	(1.271)	155909	2.00000	1.8
	80 p-Isopropyltoluene	119	19.985	19.985	(1.276)	203881	2.00000	1.7
*	81 1,4-Dichlorobenzene-d4	152	20.002	20.002	(1.000)	143372	2.00000	
	82 1,4-Dichlorobenzene	146	20.037	20.037	(1.279)	160231	2.00000	1.8
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.438	20.438	(1.000)	100938	2.00000	
	84 1,2-Dichlorobenzene	146	20.456	20.455	(1.306)	141045	2.00000	1.7
	85 n-Butylbenzene	91	20.456	20.455	(1.306)	176380	2.00000	1.7
	86 Hexachloroethane	117	20.734	20.734	(1.324)	102666	2.00000	1.7
	87 1,2-Dibromo-3-Chloropropane	155	21.240	21.240	(1.356)	23254	2.00000	1.7
	88 1,3,5 Trichlorobenzene	180	21.466	21.449	(1.370)	103703	2.00000	1.8
	89 Nitrobenzene	77	21.449	21.431	(1.369)	252226	100.000	78
	90 1,2,4-Trichlorobenzene	180	22.076	22.059	(1.409)	90049	2.00000	1.9
	91 Hexachlorobutadiene	225	22.250	22.233	(1.420)	61020	2.00000	1.8
	92 Naphthalene	128	22.320	22.320	(1.425)	139897	2.00000	1.8
	93 1,2,3-Trichlorobenzene	180	22.581	22.564	(1.442)	81760	2.00000	1.9

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: lkra02.d
Client ID:
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: CCVIS
Lab Sample ID: CCVIS

Date: 13-OCT-2014 09:00
Instrument: L.i
Inj Vol: 5.0
Diameter: 0.53



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Lab Sample ID: CCVIS 200-78697/3 Calibration Date: 10/14/2014 08:56

Instrument ID: L.i Calib Start Date: 10/10/2014 16:32

GC Column: DB-624 ID: 0.53(mm) Calib End Date: 10/10/2014 18:43

Lab File ID: lkrb03.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3770	0.4113		2.18	2.00	9.1	30.0
Chloromethane	Ave	0.2233	0.2361		2.11	2.00	5.7	30.0
Vinyl chloride	Ave	0.2695	0.2904		2.16	2.00	7.8	30.0
Bromomethane	Ave	0.1050	0.1083		2.06	2.00	3.1	30.0
Chloroethane	Ave	0.1735	0.1901		2.19	2.00	9.6	30.0
Trichlorofluoromethane	Ave	0.4927	0.5355		2.17	2.00	8.7	30.0
Diethyl ether	Ave	0.1677	0.1812		2.16	2.00	8.0	30.0
1,1-Dichloroethene	Ave	0.2596	0.2720		2.10	2.00	4.8	30.0
Acetone	Ave	0.0470	0.0483		10.3	10.0	2.8	30.0
Methyl iodide	Ave	0.1642	0.1509		1.84	2.00	-8.1	30.0
Carbon disulfide	Ave	0.6455	0.7174		2.22	2.00	11.1	30.0
Allyl chloride	Ave	0.5477	0.6053		2.21	2.00	10.5	30.0
Methylene Chloride	Ave	0.2670	0.2908		2.18	2.00	8.9	30.0
t-Butyl alcohol	Ave	0.0158	0.0176		112	100	11.6	30.0
Acrylonitrile	Ave	0.0597	0.0620		2.08	2.00	3.8	30.0
trans-1,2-Dichloroethene	Ave	0.2800	0.3023		2.16	2.00	8.0	30.0
Methyl t-butyl ether	Ave	0.5558	0.6137		2.21	2.00	10.4	30.0
1,1-Dichloroethane	Ave	0.5836	0.6322		2.17	2.00	8.3	30.0
2,2-Dichloropropane	Ave	0.4324	0.4790		2.22	2.00	10.8	30.0
cis-1,2-Dichloroethene	Ave	0.2926	0.3189		2.18	2.00	9.0	30.0
2-Butanone	Ave	0.0191	0.0197		10.3	10.0	2.9	30.0
Propionitrile	Ave	0.0215	0.0213		101	102	-0.9	30.0
Methyl acrylate	Ave	0.2602	0.3015		2.32	2.00	15.9	30.0
Methacrylonitrile	Ave	0.0710	0.0735		2.07	2.00	3.6	30.0
Bromochloromethane	Ave	0.1737	0.1846		2.13	2.00	6.3	30.0
Tetrahydrofuran	Ave	0.0766	0.0806		10.5	10.0	5.3	30.0
Chloroform	Ave	0.5655	0.6089		2.15	2.00	7.7	30.0
1,1,1-Trichloroethane	Ave	0.4655	0.5018		2.16	2.00	7.8	30.0
1-Chlorobutane	Ave	0.6093	0.6596		2.16	2.00	8.2	30.0
1,1-Dichloropropene	Ave	0.4337	0.4527		2.09	2.00	4.4	30.0
Carbon tetrachloride	Ave	0.4333	0.4588		2.12	2.00	5.9	30.0
Benzene	Ave	0.8301	0.8973		2.16	2.00	8.1	30.0
1,2-Dichloroethane	Ave	0.2846	0.3075		2.16	2.00	8.1	30.0
Trichloroethene	Ave	0.3548	0.3733		2.10	2.00	5.2	30.0
1,2-Dichloropropane	Ave	0.3650	0.3845		2.11	2.00	5.3	30.0
Dibromomethane	Ave	0.2761	0.2929		2.12	2.00	6.1	30.0
Methyl methacrylate	Ave	0.1932	0.2062		2.13	2.00	6.7	30.0
Bromodichloromethane	Ave	0.5719	0.6136		2.15	2.00	7.3	30.0
2-Nitropropane	Ave	0.0581	0.0571		41.2	42.0	-1.8	30.0
Chloroacetonitrile	Ave	0.0101	0.0095		96.3	102	-5.6	30.0
cis-1,3-Dichloropropene	Ave	0.5052	0.4915		1.95	2.00	-2.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Lab Sample ID: CCVIS 200-78697/3 Calibration Date: 10/14/2014 08:56

Instrument ID: L.i Calib Start Date: 10/10/2014 16:32

GC Column: DB-624 ID: 0.53(mm) Calib End Date: 10/10/2014 18:43

Lab File ID: lkrb03.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Methyl-2-pentanone (MIBK)	Ave	0.1058	0.1112		10.5	10.0	5.1	30.0
1,1-Dichloro-2-propanone	Ave	0.0066	0.0070		44.4	42.0	5.7	30.0
Toluene	Ave	0.5382	0.5827		2.17	2.00	8.3	30.0
trans-1,3-Dichloropropene	Ave	0.3823	0.4115		2.15	2.00	7.6	30.0
Ethyl methacrylate	Ave	0.3900	0.4022		2.06	2.00	3.1	30.0
1,1,2-Trichloroethane	Ave	0.2533	0.2708		2.14	2.00	6.9	30.0
1,3-Dichloropropane	Ave	0.4831	0.5152		2.13	2.00	6.6	30.0
Tetrachloroethene	Ave	0.4537	0.4884		2.15	2.00	7.6	30.0
2-Hexanone	Ave	0.2001	0.2088		10.4	10.0	4.4	30.0
Dibromochloromethane	Ave	0.6369	0.6606		2.07	2.00	3.7	30.0
1,2-Dibromoethane	Ave	0.5536	0.5872		2.12	2.00	6.1	30.0
Chlorobenzene	Ave	0.8788	0.9393		2.14	2.00	6.9	30.0
1,1,1,2-Tetrachloroethane	Ave	0.4549	0.4842		2.13	2.00	6.4	30.0
Ethylbenzene	Ave	1.445	1.502		2.08	2.00	4.0	30.0
m&p-Xylene	Ave	0.5067	0.5310		4.19	4.00	4.8	30.0
o-Xylene	Ave	0.4890	0.5147		2.11	2.00	5.3	30.0
Styrene	Ave	0.8344	0.8454		2.03	2.00	1.3	30.0
Bromoform	Ave	0.4907	0.5165		2.11	2.00	5.3	30.0
Isopropylbenzene	Ave	1.409	1.495		2.12	2.00	6.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6559	0.6959		2.12	2.00	6.1	30.0
Bromobenzene	Ave	0.4649	0.4943		2.13	2.00	6.3	30.0
1,2,3-Trichloropropane	Ave	0.1435	0.1580		2.20	2.00	10.1	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1213	0.1170		1.93	2.00	-3.5	30.0
n-Propylbenzene	Ave	0.3288	0.3503		2.13	2.00	6.5	30.0
2-Chlorotoluene	Ave	0.3388	0.3519		2.08	2.00	3.9	30.0
1,3,5-Trimethylbenzene	Ave	0.9634	1.002		2.08	2.00	4.0	30.0
4-Chlorotoluene	Ave	0.3253	0.3387		2.08	2.00	4.1	30.0
Pentachloroethane	Ave	0.3535	0.3679		2.08	2.00	4.1	30.0
tert-Butylbenzene	Ave	0.2845	0.2938		2.07	2.00	3.3	30.0
1,2,4-Trimethylbenzene	Ave	0.8731	0.8998		2.06	2.00	3.1	30.0
sec-Butylbenzene	Ave	1.380	1.431		2.08	2.00	3.8	30.0
1,3-Dichlorobenzene	Ave	0.7118	0.7526		2.11	2.00	5.7	30.0
p-Isopropyltoluene	Ave	1.002	1.013		2.02	2.00	1.2	30.0
1,4-Dichlorobenzene	Ave	0.7321	0.7719		2.11	2.00	5.4	30.0
1,2-Dichlorobenzene	Ave	0.6659	0.7043		2.12	2.00	5.8	30.0
n-Butylbenzene	Ave	0.8763	0.8915		2.03	2.00	1.7	30.0
Hexachloroethane	Ave	0.4871	0.5046		2.07	2.00	3.6	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1107	0.1132		2.05	2.00	2.3	30.0
Nitrobenzene	Ave	0.0266	0.0218		83.4	102	-18.2	30.0
1,3,5-Trichlorobenzene	Ave	0.4831	0.5050		2.09	2.00	4.5	30.0
1,2,4-Trichlorobenzene	Ave	0.4000	0.4193		2.10	2.00	4.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Lab Sample ID: CCVIS 200-78697/3 Calibration Date: 10/14/2014 08:56

Instrument ID: L.i Calib Start Date: 10/10/2014 16:32

GC Column: DB-624 ID: 0.53(mm) Calib End Date: 10/10/2014 18:43

Lab File ID: lkrb03.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.2763	0.2926		2.12	2.00	5.9	30.0
Naphthalene	Ave	0.6465	0.6744		2.09	2.00	4.3	30.0
1,2,3-Trichlorobenzene	Ave	0.3562	0.3723		2.09	2.00	4.5	30.0

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Data file : /chem/L.i/Lsvr.p/lkrb524.b/lkrb03.d
Lab Smp Id: CCVIS
Inj Date : 14-OCT-2014 08:56
Operator : MTP Inst ID: L.i
Smp Info : CCVIS
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkrb524.b/524v1.m
Meth Date : 14-Oct-2014 09:41 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 16:32 Cal File: lkr04.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.650	2.647	(0.267)	109319	2.00000	2.2
2 Chloromethane	50	2.894	2.891	(0.292)	62734	2.00000	2.1
3 Vinyl Chloride	62	3.050	3.048	(0.308)	77169	2.00000	2.2
4 Bromomethane	94	3.556	3.553	(0.359)	28772	2.00000	2.1
5 Chloroethane	64	3.713	3.710	(0.374)	50524	2.00000	2.2
6 Trichlorofluoromethane	101	4.131	4.128	(0.417)	142318	2.00000	2.2
7 Diethyl Ether	59	4.601	4.599	(0.464)	48147	2.00000	2.2
8 1,1-Dichloroethene	96	4.967	4.982	(0.501)	72277	2.00000	2.1
9 Acetone	43	5.054	5.052	(0.510)	64137	10.0000	10
10 Methyl Iodide	142	5.211	5.209	(0.526)	40114	2.00000	1.8
11 Carbon Disulfide	76	5.333	5.331	(0.538)	190673	2.00000	2.2
12 Allyl Chloride	41	5.577	5.575	(0.562)	160877	2.00000	2.2
13 Methylene Chloride	84	5.786	5.784	(0.584)	77283	2.00000	2.2
14 t-Butyl Alcohol	59	6.013	6.010	(0.606)	233956	100.000	110

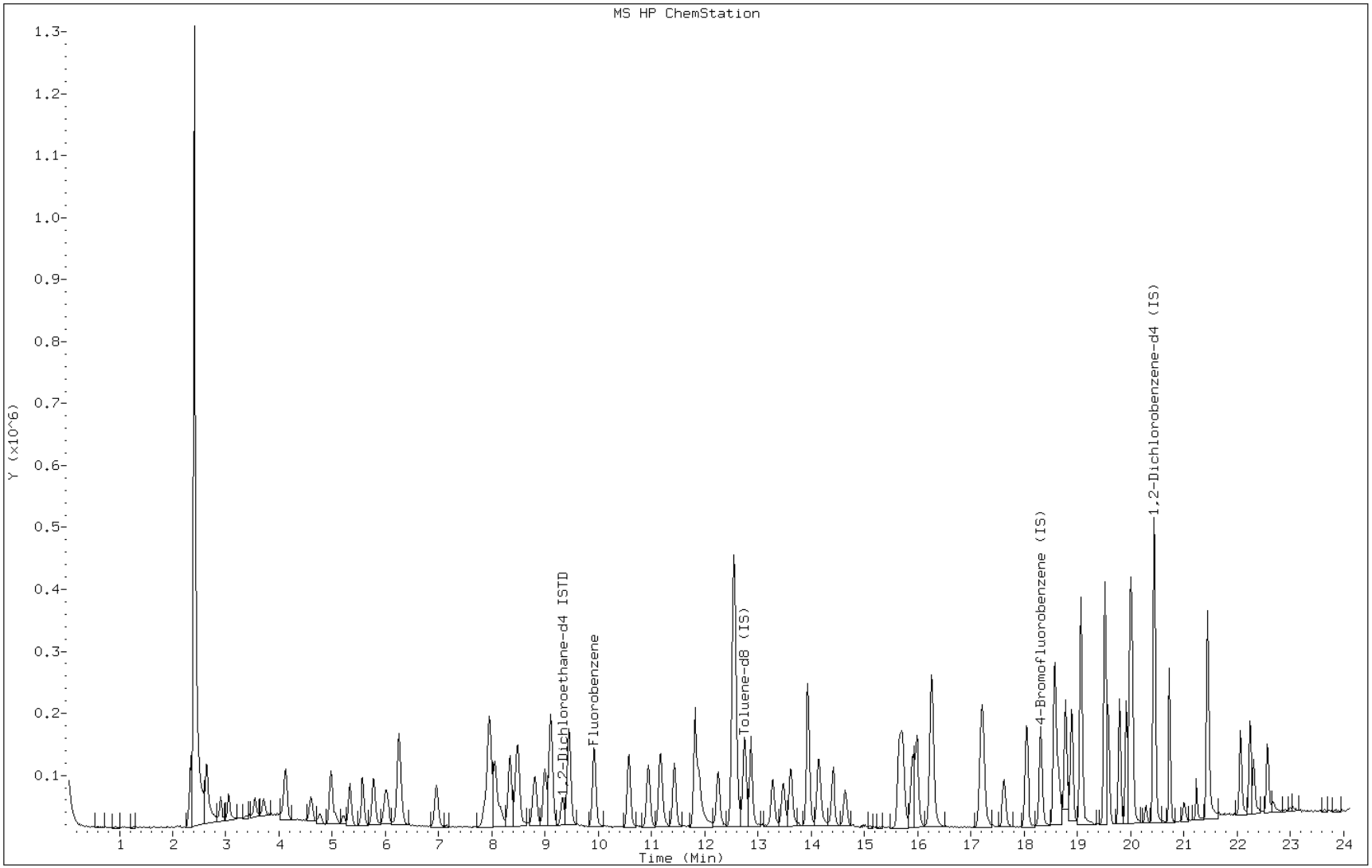
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	15 trans-1,2-Dichloroethene	96	6.257	6.254	(0.631)	80331	2.00000	2.2
	16 Acrylonitrile	53	6.204	6.202	(0.626)	16482	2.00000	2.1
	17 Methyl-t-Butyl Ether	73	6.274	6.272	(0.633)	163098	2.00000	2.2
	18 1,1-Dichloroethane	63	6.954	6.951	(0.701)	168027	2.00000	2.2
	19 2,2-Dichloropropane	77	7.947	7.944	(0.801)	127311	2.00000	2.2
	20 cis-1,2-Dichloroethene	96	7.947	7.944	(0.801)	84743	2.00000	2.2
	21 2-Butanone	72	7.982	7.979	(0.805)	26107	10.0000	10
	22 Propionitrile	54	8.051	8.049	(0.812)	289139	100.000	100
	23 Methyl Acrylate	55	8.156	8.154	(0.822)	80135	2.00000	2.3
	24 Bromochloromethane	128	8.348	8.345	(0.842)	49072	2.00000	2.1
	25 Methacrylonitrile	67	8.313	8.310	(0.838)	19537	2.00000	2.1
	26 Tetrahydrofuran	42	8.452	8.450	(0.852)	107138	10.0000	11
	27 Chloroform	83	8.487	8.485	(0.856)	161825	2.00000	2.2
	28 1,1,1-Trichloroethane	97	8.818	8.816	(0.889)	133364	2.00000	2.2
	29 1-Chlorobutane	56	8.992	8.990	(0.907)	175289	2.00000	2.2
	30 Carbon Tetrachloride	117	9.114	9.112	(0.919)	121932	2.00000	2.1
	31 1,1-Dichloropropene	75	9.097	9.095	(0.917)	120326	2.00000	2.1
*	32 1,2-Dichloroethane-d4 ISTD	65	9.323	9.338	(1.000)	63169	2.00000	
	33 Benzene	78	9.445	9.443	(0.953)	238471	2.00000	2.2
	34 1,2-Dichloroethane	62	9.463	9.460	(0.954)	81726	2.00000	2.2
*	35 Fluorobenzene	96	9.916	9.931	(1.000)	265771	2.00000	
	36 Trichloroethene	95	10.578	10.576	(1.067)	99198	2.00000	2.1
	37 1,2-Dichloropropane	63	10.944	10.942	(1.104)	102181	2.00000	2.1
	38 Dibromomethane	93	11.153	11.151	(1.125)	77845	2.00000	2.1
	39 Methyl Methacrylate	69	11.188	11.185	(1.128)	54792	2.00000	2.1
	40 Bromodichloromethane	83	11.432	11.429	(1.153)	163081	2.00000	2.1
	41 2-Nitropropane	41	11.815	11.813	(1.192)	318478	40.0000	41
	42 Chloroacetonitrile	75	11.902	11.900	(1.200)	129232	100.000	96
	43 cis-1,3-Dichloropropene	75	12.251	12.248	(1.235)	130622	2.00000	1.9
	44 4-Methyl-2-Pentanone	58	12.530	12.527	(1.264)	147807	10.0000	11
	45 1,1-Dichloropropanone	83	12.564	12.562	(1.267)	38870	40.0000	44
*	46 Toluene-d8 (IS)	98	12.739	12.754	(1.000)	217629	2.00000	
	47 Toluene	92	12.861	12.876	(1.297)	154866	2.00000	2.2
	48 trans-1,3-Dichloropropene	75	13.279	13.276	(1.339)	109361	2.00000	2.2
	49 Ethyl Methacrylate	69	13.488	13.486	(1.360)	106882	2.00000	2.1
	50 1,1,2-Trichloroethane	83	13.610	13.625	(1.373)	71963	2.00000	2.1
	51 Tetrachloroethene	166	13.941	13.939	(1.406)	129798	2.00000	2.2
	52 1,3-Dichloropropane	76	13.941	13.956	(1.406)	136914	2.00000	2.1
	53 2-Hexanone	43	14.150	14.148	(1.427)	277516	10.0000	10
	54 Dibromochloromethane	129	14.411	14.409	(0.920)	131502	2.00000	2.1
	55 1,2-Dibromoethane	107	14.638	14.636	(0.934)	116884	2.00000	2.1
*	56 Chlorobenzene-d5	117	15.666	15.664	(1.000)	199069	2.00000	
	57 Chlorobenzene	112	15.718	15.733	(1.003)	186984	2.00000	2.1
	58 1,1,1,2-Tetrachloroethane	131	15.910	15.908	(1.016)	96385	2.00000	2.1
	59 Ethylbenzene	91	15.980	15.995	(1.020)	298986	2.00000	2.1
	60 m- & p-Xylene	106	16.258	16.274	(1.038)	211413	4.00000	4.2
	61 o-Xylene	106	17.199	17.197	(1.098)	102456	2.00000	2.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M	62 Xylene (total)	106				313869	2.00000	6.3
	63 Styrene	104	17.234	17.232	(1.100)	168290	2.00000	2.0
	64 Bromoform	173	17.635	17.633	(1.126)	102820	2.00000	2.1
	65 Isopropylbenzene	105	18.036	18.051	(1.151)	297540	2.00000	2.1
*	66 4-Bromofluorobenzene (IS)	95	18.315	18.312	(1.000)	144733	2.00000	
	67 Bromobenzene	156	18.576	18.574	(1.186)	98401	2.00000	2.1
	68 1,1,2,2-Tetrachloroethane	83	18.576	18.574	(1.186)	138530	2.00000	2.1
	69 1,2,3-Trichloropropane	110	18.628	18.626	(1.189)	31442	2.00000	2.2
	70 trans-1,4-Dichloro-2-butene	53	18.680	18.678	(1.192)	23296	2.00000	1.9
	71 n-Propylbenzene	120	18.785	18.783	(1.199)	69723	2.00000	2.1(Q)
	72 2-Chlorotoluene	126	18.907	18.905	(1.207)	70043	2.00000	2.1
	73 1,3,5-Trimethylbenzene	105	19.064	19.061	(1.217)	199461	2.00000	2.1
	74 4-Chlorotoluene	126	19.064	19.061	(1.217)	67427	2.00000	2.1
	75 tert-Butylbenzene	134	19.517	19.515	(1.246)	58483	2.00000	2.1
	76 Pentachloroethane	167	19.517	19.515	(1.246)	73245	2.00000	2.1
	77 1,2,4-Trimethylbenzene	105	19.587	19.584	(1.250)	179126	2.00000	2.1
	78 sec-Butylbenzene	105	19.796	19.793	(1.264)	284939	2.00000	2.1
	79 1,3-Dichlorobenzene	146	19.918	19.915	(1.271)	149828	2.00000	2.1
	80 p-Isopropyltoluene	119	19.987	19.985	(1.276)	201719	2.00000	2.0
*	81 1,4-Dichlorobenzene-d4	152	20.005	20.002	(1.000)	106509	2.00000	
	82 1,4-Dichlorobenzene	146	20.040	20.037	(1.279)	153658	2.00000	2.1
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.440	20.438	(1.000)	92711	2.00000	
	84 1,2-Dichlorobenzene	146	20.458	20.455	(1.306)	140208	2.00000	2.1
	85 n-Butylbenzene	91	20.458	20.455	(1.306)	177460	2.00000	2.0
	86 Hexachloroethane	117	20.737	20.734	(1.324)	100444	2.00000	2.1
	87 1,2-Dibromo-3-Chloropropane	155	21.242	21.240	(1.356)	22543	2.00000	2.0
	88 1,3,5 Trichlorobenzene	180	21.468	21.449	(1.370)	100530	2.00000	2.1
	89 Nitrobenzene	77	21.434	21.431	(1.368)	220954	100.000	83
	90 1,2,4-Trichlorobenzene	180	22.061	22.059	(1.408)	83475	2.00000	2.1
	91 Hexachlorobutadiene	225	22.253	22.233	(1.420)	58250	2.00000	2.1
	92 Naphthalene	128	22.322	22.320	(1.425)	134255	2.00000	2.1
	93 1,2,3-Trichlorobenzene	180	22.584	22.564	(1.442)	74111	2.00000	2.1

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	lkrb03.d	Date:	14-OCT-2014 08:56
Client ID:		Instrument:	L.i
Operator:	MTP	Inj Vol:	5.0
Column Type:	Capillary	Diameter:	0.53
Stationary Phase:	DB-624		
Sample Info:	CCVIS		
Lab Sample ID:	CCVIS		



TestAmerica Burlington

Data file : /var/chem/L.i/Lsvr.p/lkr524.b/lkr01.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 10-OCT-2014 15:14
Operator : MTP Inst ID: L.i
Smp Info : BFB
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkr524.b/bfb524.m
Meth Date : 12-Apr-2012 23:11 jd1 Quant Type: ESTD
Cal Date : 19-JUN-1997 11:30 Cal File: LKG001HV.d
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

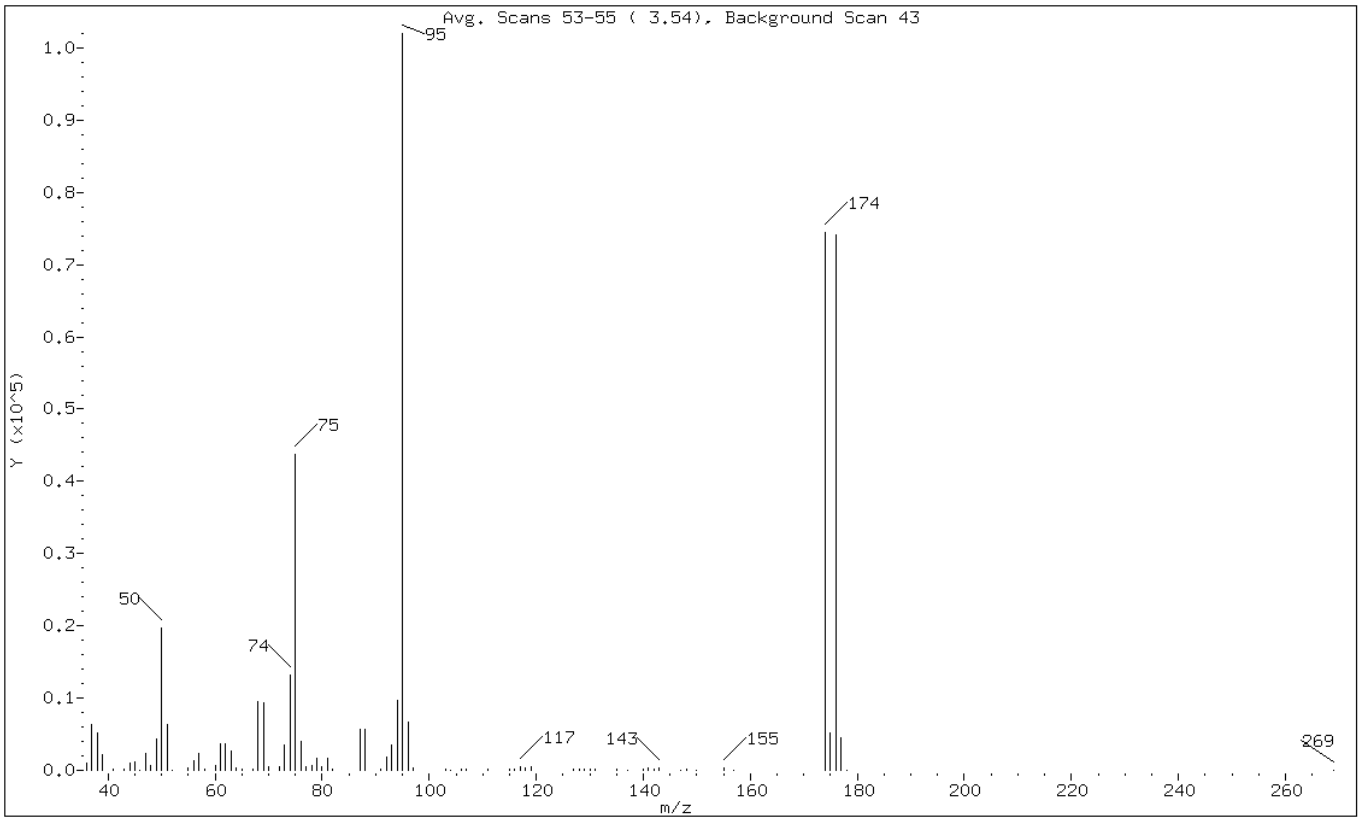
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 bfb							CAS #: 460-00-4	
3.536	3.500	0.036	95	102002			100.00- 100.00	100.00
3.536	3.500	0.036	50	19717			15.00- 40.00	19.33
3.536	3.500	0.036	75	43683			30.00- 60.00	42.83
3.536	3.500	0.036	96	6610			5.00- 9.00	6.48
3.536	3.500	0.036	173	0			0.00- 2.00	0.00
3.536	3.500	0.036	174	74384			50.00- 120.00	72.92
3.536	3.500	0.036	175	5112			5.00- 9.00	6.87
3.536	3.500	0.036	176	74138			95.00- 101.00	99.67
3.536	3.500	0.036	177	4490			5.00- 9.00	6.06

Data File: lkr01.d
Client ID: BFB
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 10-OCT-2014 15:14
Instrument: L.i
Inj Vol: 1.0 (ul)
Diameter: 0.53 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.33
75	30.00 - 60.00% of mass 95	42.83
96	5.00 - 9.00% of mass 95	6.48
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	72.92
175	5.00 - 9.00% of mass 174	5.01 (6.87)
176	95.00 - 101.00% of mass 174	72.68 (99.67)
177	5.00 - 9.00% of mass 176	4.40 (6.06)

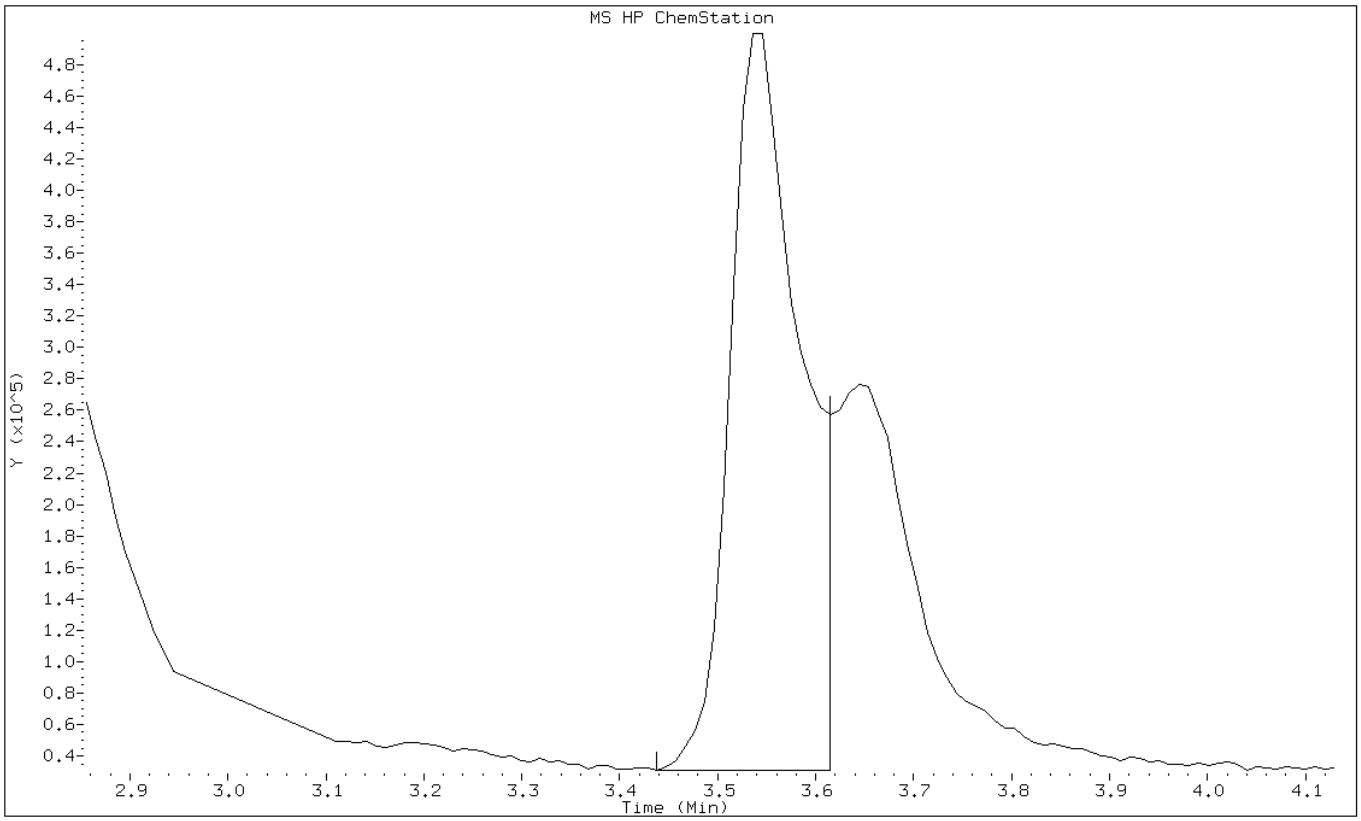
Data File: lkr01.d
Client ID: BFB
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 10-OCT-2014 15:14
Instrument: L.i
Inj Vol: 1.0 (ul)
Diameter: 0.53 (mm)

Data File: /chem/L.i/Lsvr.p/lkr524.b/lkr01.d
Spectrum: Avg. Scans 53-55 (3.54), Background Scan 43
Location of Maximum: 95.00
Number of points: 81

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1064	62.00	3720	91.00	205	131.00	88
37.00	6370	63.00	2725	92.00	1916	135.00	99
38.00	5214	64.00	300	93.00	3534	137.00	69
39.00	2110	65.00	113	94.00	9662	140.00	163
41.00	116	67.00	177	95.00	102000	141.00	305
43.00	102	68.00	9494	96.00	6610	142.00	201
44.00	966	69.00	9409	97.00	281	143.00	348
45.00	1133	70.00	449	103.00	101	147.00	80
46.00	67	72.00	577	104.00	46	148.00	148
47.00	2297	73.00	3448	106.00	170	150.00	81
48.00	751	74.00	13198	107.00	188	155.00	269
49.00	4383	75.00	43680	111.00	87	157.00	78
50.00	19712	76.00	4004	115.00	159	174.00	74384
51.00	6384	77.00	553	116.00	121	175.00	5112
52.00	70	78.00	601	117.00	543	176.00	74136
55.00	267	79.00	1675	118.00	274	177.00	4490
56.00	1279	80.00	510	119.00	531	178.00	68
57.00	2384	81.00	1711	127.00	94	269.00	67
58.00	181	82.00	242	128.00	228		
60.00	644	87.00	5682	129.00	246		
61.00	3688	88.00	5717	130.00	184		

Data File:	lkr01.d	Date:	10-OCT-2014 15:14
Client ID:	BFB	Instrument:	L.i
Operator:	MTP	Inj Vol:	1.0 (ul)
Column Type:	Capillary	Diameter:	0.53 (mm)
Stationary Phase:	DB-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



TestAmerica Burlington

Data file : /var/chem/L.i/Lsvr.p/lkra524.b/lkra01.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 13-OCT-2014 08:47
Operator : MTP Inst ID: L.i
Smp Info : BFB
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkra524.b/bfb524.m
Meth Date : 12-Apr-2012 23:11 jd1 Quant Type: ESTD
Cal Date : 19-JUN-1997 11:30 Cal File: LKG001HV.d
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

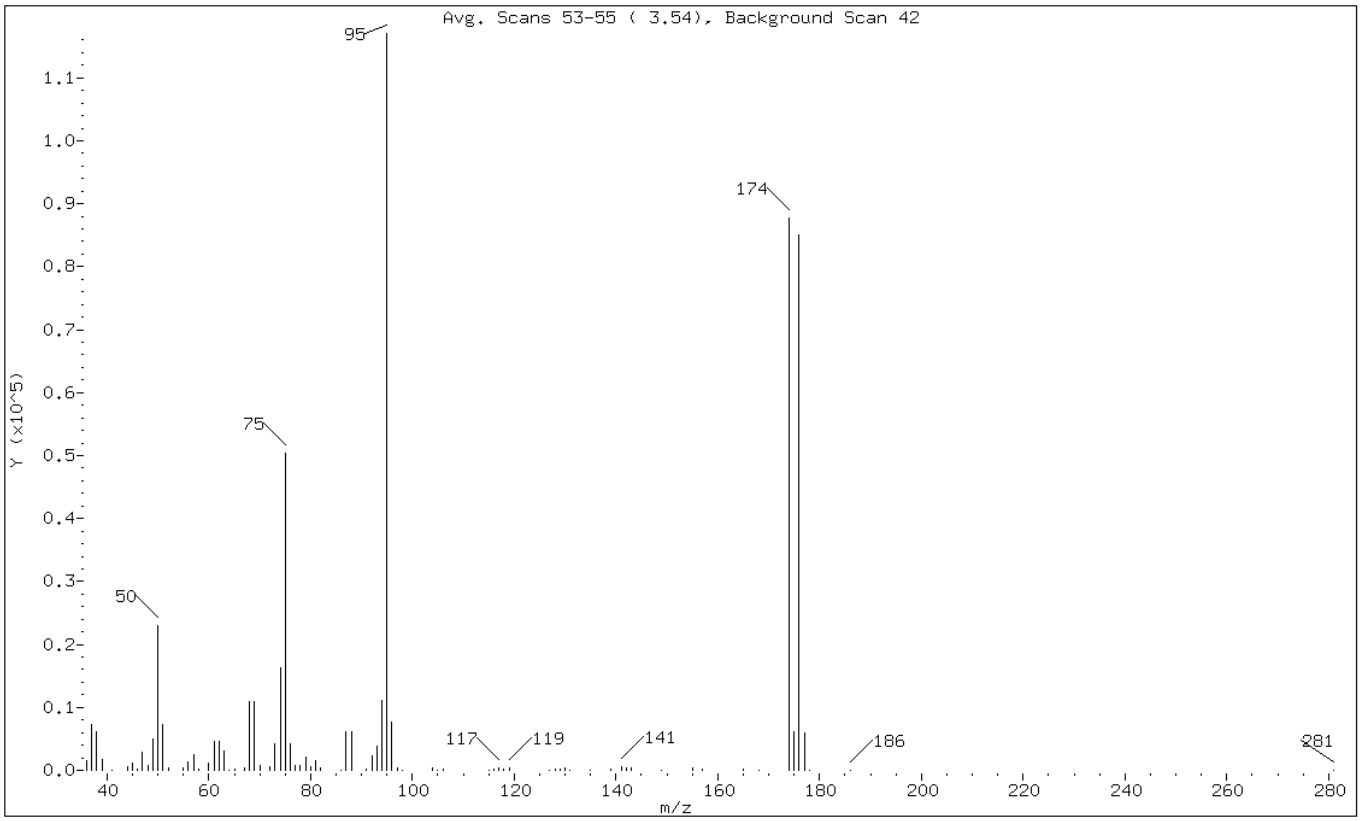
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 bfb						CAS #: 460-00-4		
3.539	3.500	0.039	95	117040			100.00- 100.00	100.00
3.539	3.500	0.039	50	23004			15.00- 40.00	19.65
3.539	3.500	0.039	75	50364			30.00- 60.00	43.03
3.539	3.500	0.039	96	7579			5.00- 9.00	6.48
3.539	3.500	0.039	173	0			0.00- 2.00	0.00
3.539	3.500	0.039	174	87714			50.00- 120.00	74.94
3.539	3.500	0.039	175	6064			5.00- 9.00	6.91
3.539	3.500	0.039	176	84968			95.00- 101.00	96.87
3.539	3.500	0.039	177	5892			5.00- 9.00	6.93

Data File: lkra01.d
Client ID: BFB
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 13-OCT-2014 08:47
Instrument: L.i
Inj Vol: 1.0 (ul)
Diameter: 0.53 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.65
75	30.00 - 60.00% of mass 95	43.03
96	5.00 - 9.00% of mass 95	6.48
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	74.94
175	5.00 - 9.00% of mass 174	5.18 (6.91)
176	95.00 - 101.00% of mass 174	72.60 (96.87)
177	5.00 - 9.00% of mass 176	5.03 (6.93)

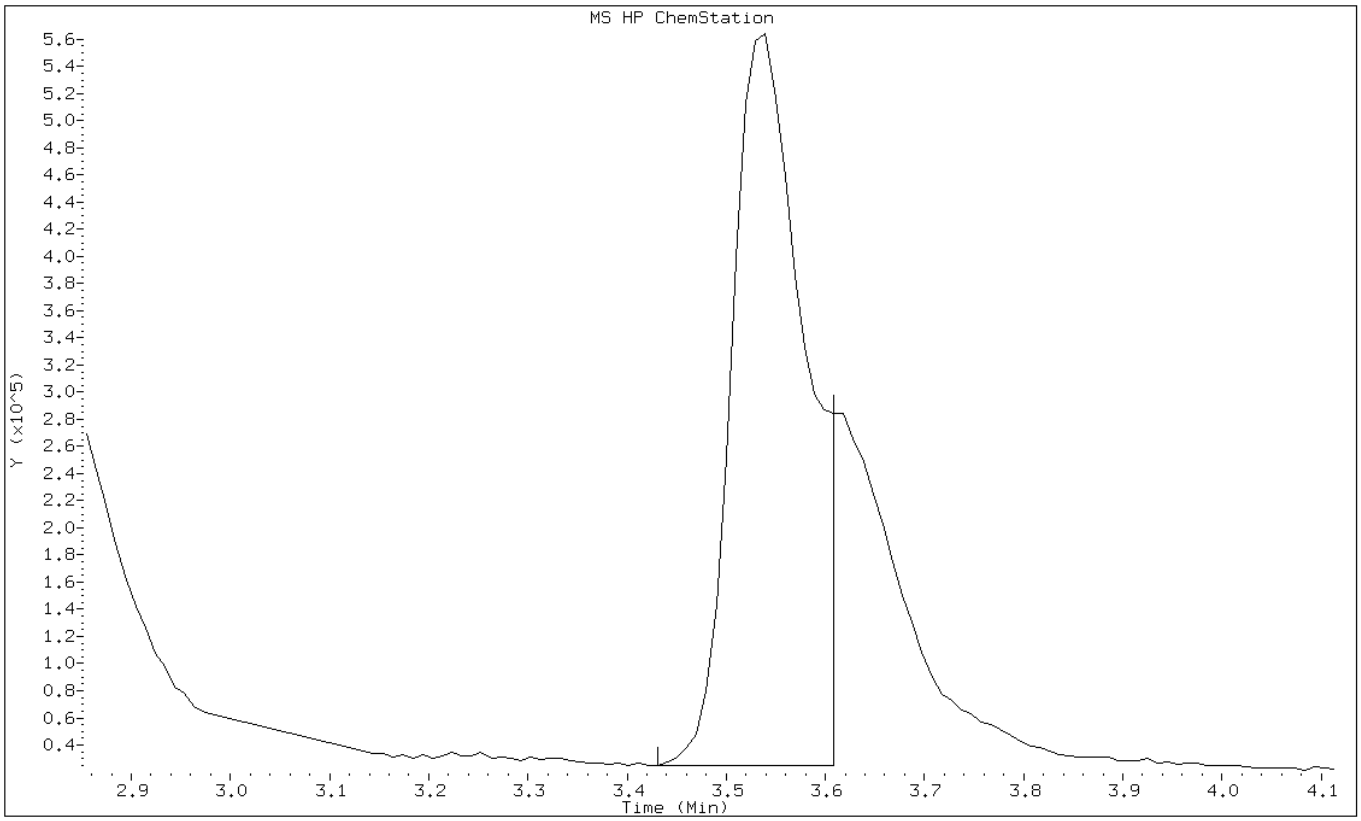
Data File: lkra01.d
Client ID: BFB
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 13-OCT-2014 08:47
Instrument: L.i
Inj Vol: 1.0 (ul)
Diameter: 0.53 (mm)

Data File: /chem/L.i/Lsvr.p/lkra524.b/lkra01.d
Spectrum: Avg. Scans 53-55 (3.54), Background Scan 42
Location of Maximum: 95.00
Number of points: 80

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1621	63.00	3030	91.00	167	135.00	24
37.00	7336	64.00	92	92.00	2366	139.00	152
38.00	6072	65.00	117	93.00	3746	141.00	481
39.00	1819	67.00	416	94.00	11034	142.00	332
41.00	94	68.00	10899	95.00	117040	143.00	414
44.00	486	69.00	10987	96.00	7579	149.00	44
45.00	1080	70.00	689	97.00	427	155.00	336
46.00	126	72.00	517	98.00	83	157.00	249
47.00	2894	73.00	4199	104.00	431	165.00	227
48.00	755	74.00	16297	105.00	10	168.00	30
49.00	4907	75.00	50360	106.00	221	174.00	87712
50.00	23000	76.00	4144	115.00	24	175.00	6064
51.00	7217	77.00	744	116.00	144	176.00	84968
52.00	475	78.00	759	117.00	473	177.00	5892
55.00	298	79.00	2088	118.00	173	178.00	73
56.00	1311	80.00	635	119.00	419	186.00	79
57.00	2500	81.00	1552	127.00	70	281.00	84
58.00	110	82.00	415	128.00	173		
60.00	1220	86.00	73	129.00	150		
61.00	4579	87.00	6057	130.00	332		
62.00	4584	88.00	6220	131.00	67		

Data File:	lkra01.d	Date:	13-OCT-2014 08:47
Client ID:	BFB	Instrument:	L.i
Operator:	MTP	Inj Vol:	1.0 (ul)
Column Type:	Capillary	Diameter:	0.53 (mm)
Stationary Phase:	DB-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



TestAmerica Burlington

Data file : /var/chem/L.i/Lsvr.p/lkrb524.b/lkrb01.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 14-OCT-2014 08:10
Operator : MTP Inst ID: L.i
Smp Info : BFB
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkrb524.b/bfb524.m
Meth Date : 12-Apr-2012 23:11 jd1 Quant Type: ESTD
Cal Date : 19-JUN-1997 11:30 Cal File: LKG001HV.d
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

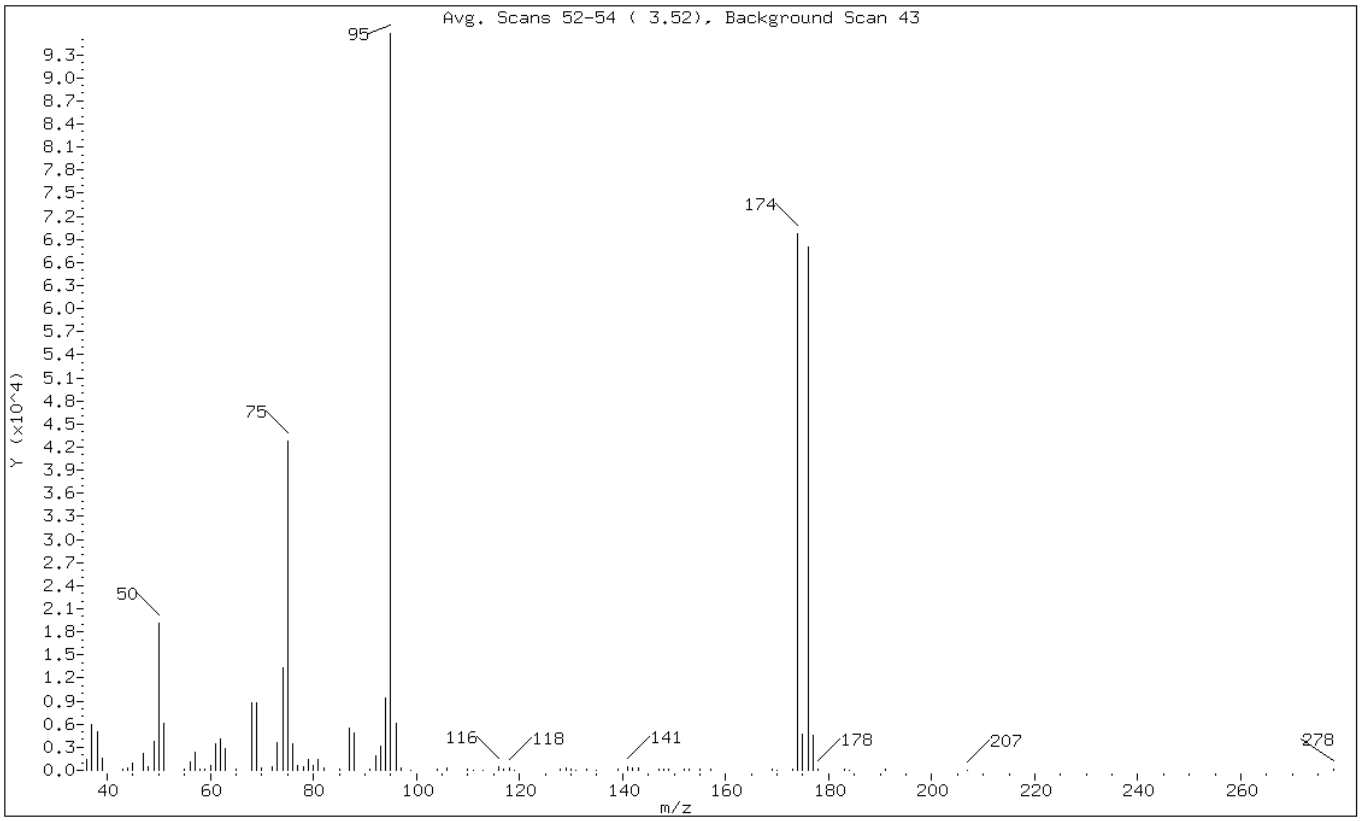
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 bfb						CAS #: 460-00-4		
3.524	3.500	0.024	95	95756			100.00- 100.00	100.00
3.524	3.500	0.024	50	19095			15.00- 40.00	19.94
3.524	3.500	0.024	75	42796			30.00- 60.00	44.69
3.524	3.500	0.024	96	6145			5.00- 9.00	6.42
3.524	3.500	0.024	173	137			0.00- 2.00	0.20
3.524	3.500	0.024	174	69757			50.00- 120.00	72.85
3.524	3.500	0.024	175	4710			5.00- 9.00	6.75
3.524	3.500	0.024	176	68048			95.00- 101.00	97.55
3.524	3.500	0.024	177	4495			5.00- 9.00	6.61

Data File: lkrb01.d
Client ID: BFB
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 14-OCT-2014 08:10
Instrument: L.i
Inj Vol: 1.0 (ul)
Diameter: 0.53 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.94
75	30.00 - 60.00% of mass 95	44.69
96	5.00 - 9.00% of mass 95	6.42
173	Less than 2.00% of mass 174	0.14 (0.20)
174	50.00 - 120.00% of mass 95	72.85
175	5.00 - 9.00% of mass 174	4.92 (6.75)
176	95.00 - 101.00% of mass 174	71.06 (97.55)
177	5.00 - 9.00% of mass 176	4.69 (6.61)

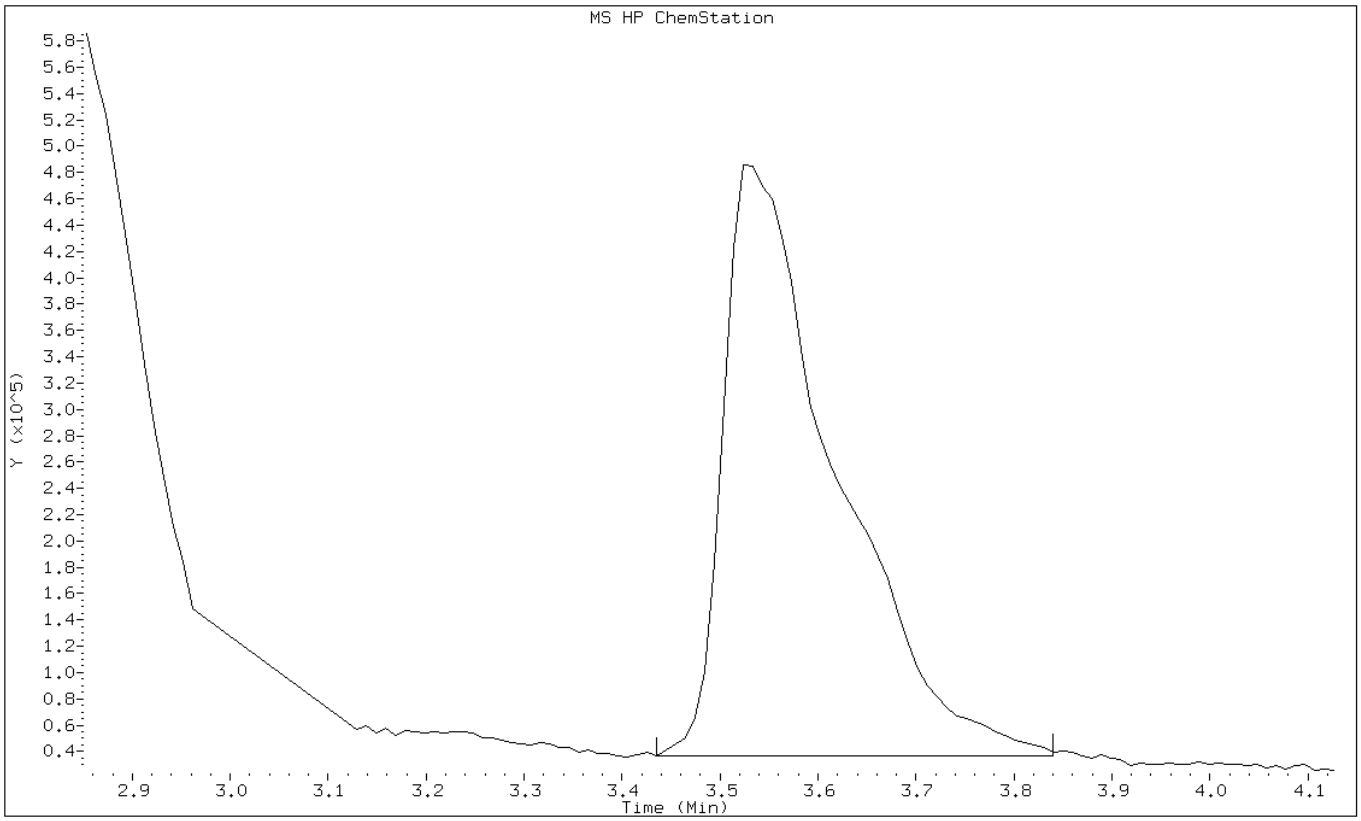
Data File: lkrb01.d
Client ID: BFB
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 14-OCT-2014 08:10
Instrument: L.i
Inj Vol: 1.0 (ul)
Diameter: 0.53 (mm)

Data File: /chem/L.i/Lsvr.p/lkrb524.b/lkrb01.d
Spectrum: Avg. Scans 52-54 (3.52), Background Scan 43
Location of Maximum: 95.00
Number of points: 86

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1345	68.00	8837	96.00	6145	147.00	163
37.00	6002	69.00	8843	97.00	289	148.00	218
38.00	5022	70.00	388	99.00	70	149.00	152
39.00	1635	72.00	510	104.00	90	152.00	101
43.00	95	73.00	3586	106.00	281	153.00	82
44.00	299	74.00	13249	110.00	86	155.00	198
45.00	1010	75.00	42792	111.00	66	157.00	82
47.00	2241	76.00	3473	113.00	71	169.00	84
48.00	418	77.00	651	116.00	431	170.00	61
49.00	3742	78.00	406	117.00	212	173.00	137
50.00	19088	79.00	1471	118.00	296	174.00	69752
51.00	6144	80.00	562	119.00	41	175.00	4710
55.00	125	81.00	1380	128.00	199	176.00	68048
56.00	1101	82.00	349	129.00	279	177.00	4495
57.00	2385	85.00	148	130.00	225	178.00	170
58.00	167	87.00	5407	131.00	74	183.00	88
59.00	85	88.00	4815	133.00	103	184.00	73
60.00	682	91.00	159	135.00	2	191.00	86
61.00	3520	92.00	1932	139.00	111	207.00	46
62.00	4011	93.00	3178	141.00	474	278.00	79
63.00	2796	94.00	9426	142.00	265		
65.00	174	95.00	95752	143.00	345		

Data File:	lkrb01.d	Date:	14-OCT-2014 08:10
Client ID:	BFB	Instrument:	L.i
Operator:	MTP	Inj Vol:	1.0 (ul)
Column Type:	Capillary	Diameter:	0.53 (mm)
Stationary Phase:	DB-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: Lab Sample ID: MB 200-78664/5

Matrix: Water Lab File ID: lkra05.d

Analysis Method: 524.2 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 10:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.090
74-87-3	Chloromethane	0.50	U	0.50	0.12
75-01-4	Vinyl chloride	0.50	U	0.50	0.076
74-83-9	Bromomethane	0.50	U	0.50	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.22
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.10
60-29-7	Diethyl ether	0.50	U	0.50	0.066
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.074
67-64-1	Acetone	5.0	U	5.0	0.84
74-88-4	Methyl iodide	0.50	U	0.50	0.13
75-15-0	Carbon disulfide	0.50	U	0.50	0.12
107-05-1	Allyl chloride	0.50	U	0.50	0.10
75-09-2	Methylene Chloride	0.50	U	0.50	0.084
107-13-1	Acrylonitrile	0.50	U	0.50	0.16
75-65-0	t-Butyl alcohol	50	U	50	4.4
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.071
1634-04-4	Methyl t-butyl ether	0.50	U	0.50	0.080
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.094
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.087
594-20-7	2,2-Dichloropropane	0.50	U	0.50	0.16
78-93-3	2-Butanone	5.0	U	5.0	0.16
107-12-0	Propionitrile	25	U	25	2.9
96-33-3	Methyl acrylate	0.50	U	0.50	0.13
126-98-7	Methacrylonitrile	0.50	U	0.50	0.081
74-97-5	Bromochloromethane	0.50	U	0.50	0.076
109-99-9	Tetrahydrofuran	2.5	U	2.5	0.52
67-66-3	Chloroform	0.50	U	0.50	0.085
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.092
109-69-3	1-Chlorobutane	0.50	U	0.50	0.10
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.12
563-58-6	1,1-Dichloropropene	0.50	U	0.50	0.12
71-43-2	Benzene	0.50	U	0.50	0.10
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.092
79-01-6	Trichloroethene	0.50	U	0.50	0.10
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.087
74-95-3	Dibromomethane	0.50	U	0.50	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: Lab Sample ID: MB 200-78664/5

Matrix: Water Lab File ID: lkra05.d

Analysis Method: 524.2 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 10:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
80-62-6	Methyl methacrylate	0.50	U	0.50	0.25
75-27-4	Bromodichloromethane	0.50	U	0.50	0.10
79-46-9	2-Nitropropane	10	U	10	1.3
107-14-2	Chloroacetonitrile	25	U	25	4.1
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.12
108-10-1	4-Methyl-2-pentanone (MIBK)	2.5	U	2.5	0.32
513-88-2	1,1-Dichloro-2-propanone	10	U	10	1.1
108-88-3	Toluene	0.50	U	0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.082
97-63-2	Ethyl methacrylate	0.50	U	0.50	0.073
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.070
127-18-4	Tetrachloroethene	0.50	U	0.50	0.089
142-28-9	1,3-Dichloropropane	0.50	U	0.50	0.10
591-78-6	2-Hexanone	2.5	U	2.5	0.40
124-48-1	Dibromochloromethane	0.50	U	0.50	0.081
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.072
108-90-7	Chlorobenzene	0.50	U	0.50	0.093
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U	0.50	0.10
100-41-4	Ethylbenzene	0.50	U	0.50	0.10
179601-23-1	m&p-Xylene	0.50	U	0.50	0.20
95-47-6	o-Xylene	0.50	U	0.50	0.092
100-42-5	Styrene	0.50	U	0.50	0.075
75-25-2	Bromoform	0.50	U	0.50	0.067
98-82-8	Isopropylbenzene	0.50	U	0.50	0.10
108-86-1	Bromobenzene	0.50	U	0.50	0.083
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.078
96-18-4	1,2,3-Trichloropropane	0.50	U	0.50	0.10
110-57-6	trans-1,4-Dichloro-2-butene	0.50	U	0.50	0.12
103-65-1	n-Propylbenzene	0.50	U	0.50	0.10
95-49-8	2-Chlorotoluene	0.50	U	0.50	0.10
106-43-4	4-Chlorotoluene	0.50	U	0.50	0.10
108-67-8	1,3,5-Trimethylbenzene	0.50	U	0.50	0.10
98-06-6	tert-Butylbenzene	0.50	U	0.50	0.089
76-01-7	Pentachloroethane	0.50	U	0.50	0.089
95-63-6	1,2,4-Trimethylbenzene	0.50	U	0.50	0.10
135-98-8	sec-Butylbenzene	0.50	U	0.50	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: Lab Sample ID: MB 200-78664/5

Matrix: Water Lab File ID: lkra05.d

Analysis Method: 524.2 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 10:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.11
99-87-6	p-Isopropyltoluene	0.50	U	0.50	0.090
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.10
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.081
104-51-8	n-Butylbenzene	0.50	U	0.50	0.13
67-72-1	Hexachloroethane	0.50	U	0.50	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U	0.50	0.10
98-95-3	Nitrobenzene	25	U	25	3.6
108-70-3	1,3,5-Trichlorobenzene	0.50	U	0.50	0.10
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.083
87-68-3	Hexachlorobutadiene	0.50	U	0.50	0.089
91-20-3	Naphthalene	0.50	U	0.50	0.062
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: Lab Sample ID: MB 200-78664/5

Matrix: Water Lab File ID: lkra05.d

Analysis Method: 524.2 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 10:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

Number TICs Found: 2 TIC Result Total: 2.059

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.86	1.55	J
	Unknown	21.01	0.509	J

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Data file : /chem/L.i/Lsvr.p/lkra524.b/lkra05.d
Lab Smp Id: MB
Inj Date : 13-OCT-2014 10:37
Operator : MTP Inst ID: L.i
Smp Info : MB
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkra524.b/524v1.m
Meth Date : 13-Oct-2014 10:35 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 18:43 Cal File: lkr08.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Diethyl Ether	59	Compound Not Detected.					
8 1,1-Dichloroethene	96	Compound Not Detected.					
9 Acetone	43	Compound Not Detected.					
10 Methyl Iodide	142	Compound Not Detected.					
11 Carbon Disulfide	76	Compound Not Detected.					
12 Allyl Chloride	41	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 t-Butyl Alcohol	59	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
15	trans-1,2-Dichloroethene	96	Compound Not Detected.					
16	Acrylonitrile	53	Compound Not Detected.					
17	Methyl-t-Butyl Ether	73	Compound Not Detected.					
18	1,1-Dichloroethane	63	Compound Not Detected.					
19	2,2-Dichloropropane	77	Compound Not Detected.					
20	cis-1,2-Dichloroethene	96	Compound Not Detected.					
21	2-Butanone	72	Compound Not Detected.					
22	Propionitrile	54	Compound Not Detected.					
23	Methyl Acrylate	55	Compound Not Detected.					
24	Bromochloromethane	128	Compound Not Detected.					
25	Methacrylonitrile	67	Compound Not Detected.					
26	Tetrahydrofuran	42	Compound Not Detected.					
27	Chloroform	83	Compound Not Detected.					
28	1,1,1-Trichloroethane	97	Compound Not Detected.					
29	1-Chlorobutane	56	Compound Not Detected.					
30	Carbon Tetrachloride	117	Compound Not Detected.					
31	1,1-Dichloropropene	75	Compound Not Detected.					
* 32	1,2-Dichloroethane-d4 ISTD	65	9.321	9.338	(1.000)	71266	2.00000	
33	Benzene	78	Compound Not Detected.					
34	1,2-Dichloroethane	62	Compound Not Detected.					
* 35	Fluorobenzene	96	9.913	9.931	(1.000)	278748	2.00000	
36	Trichloroethene	95	Compound Not Detected.					
37	1,2-Dichloropropane	63	Compound Not Detected.					
38	Dibromomethane	93	Compound Not Detected.					
39	Methyl Methacrylate	69	Compound Not Detected.					
40	Bromodichloromethane	83	Compound Not Detected.					
41	2-Nitropropane	41	Compound Not Detected.					
42	Chloroacetonitrile	75	Compound Not Detected.					
43	cis-1,3-Dichloropropene	75	Compound Not Detected.					
44	4-Methyl-2-Pentanone	58	Compound Not Detected.					
45	1,1-Dichloropropanone	83	Compound Not Detected.					
* 46	Toluene-d8 (IS)	98	12.736	12.754	(1.000)	223710	2.00000	
47	Toluene	92	Compound Not Detected.					
48	trans-1,3-Dichloropropene	75	Compound Not Detected.					
49	Ethyl Methacrylate	69	Compound Not Detected.					
50	1,1,2-Trichloroethane	83	Compound Not Detected.					
51	Tetrachloroethene	166	Compound Not Detected.					
52	1,3-Dichloropropane	76	Compound Not Detected.					
53	2-Hexanone	43	Compound Not Detected.					
54	Dibromochloromethane	129	Compound Not Detected.					
55	1,2-Dibromoethane	107	Compound Not Detected.					
* 56	Chlorobenzene-d5	117	15.664	15.664	(1.000)	208377	2.00000	
57	Chlorobenzene	112	Compound Not Detected.					
58	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
59	Ethylbenzene	91	Compound Not Detected.					
60	m- & p-Xylene	106	Compound Not Detected.					
61	o-Xylene	106	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
M	62 Xylene (total)	106	Compound Not Detected.					
	63 Styrene	104	Compound Not Detected.					
	64 Bromoform	172	Compound Not Detected.					
	65 Isopropylbenzene	105	Compound Not Detected.					
*	66 4-Bromofluorobenzene (IS)	95	18.312	18.312	(1.000)	144322	2.00000	
	67 Bromobenzene	156	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,2,3-Trichloropropane	110	Compound Not Detected.					
	70 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.					
	71 n-Propylbenzene	120	Compound Not Detected.					
	72 2-Chlorotoluene	126	Compound Not Detected.					
	73 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	74 4-Chlorotoluene	126	Compound Not Detected.					
	75 tert-Butylbenzene	134	Compound Not Detected.					
	76 Pentachloroethane	167	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	78 sec-Butylbenzene	105	Compound Not Detected.					
	79 1,3-Dichlorobenzene	146	Compound Not Detected.					
	80 p-Isopropyltoluene	119	Compound Not Detected.					
*	81 1,4-Dichlorobenzene-d4	152	20.002	20.002	(1.000)	106538	2.00000	
	82 1,4-Dichlorobenzene	146	Compound Not Detected.					
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.438	20.438	(1.000)	90849	2.00000	
	84 1,2-Dichlorobenzene	146	Compound Not Detected.					
	85 n-Butylbenzene	91	Compound Not Detected.					
	86 Hexachloroethane	117	Compound Not Detected.					
	87 1,2-Dibromo-3-Chloropropane	155	Compound Not Detected.					
	88 1,3,5 Trichlorobenzene	180	Compound Not Detected.					
	89 Nitrobenzene	77	Compound Not Detected.					
	90 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	91 Hexachlorobutadiene	224	Compound Not Detected.					
	92 Naphthalene	128	Compound Not Detected.					
	93 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Data file : /chem/L.i/Lsvr.p/lkra524.b/lkra05.d
Lab Smp Id: MB
Inj Date : 13-OCT-2014 10:37
Operator : MTP Inst ID: L.i
Smp Info : MB
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkra524.b/524v1.m
Meth Date : 13-Oct-2014 10:35 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 18:43 Cal File: lkr08.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

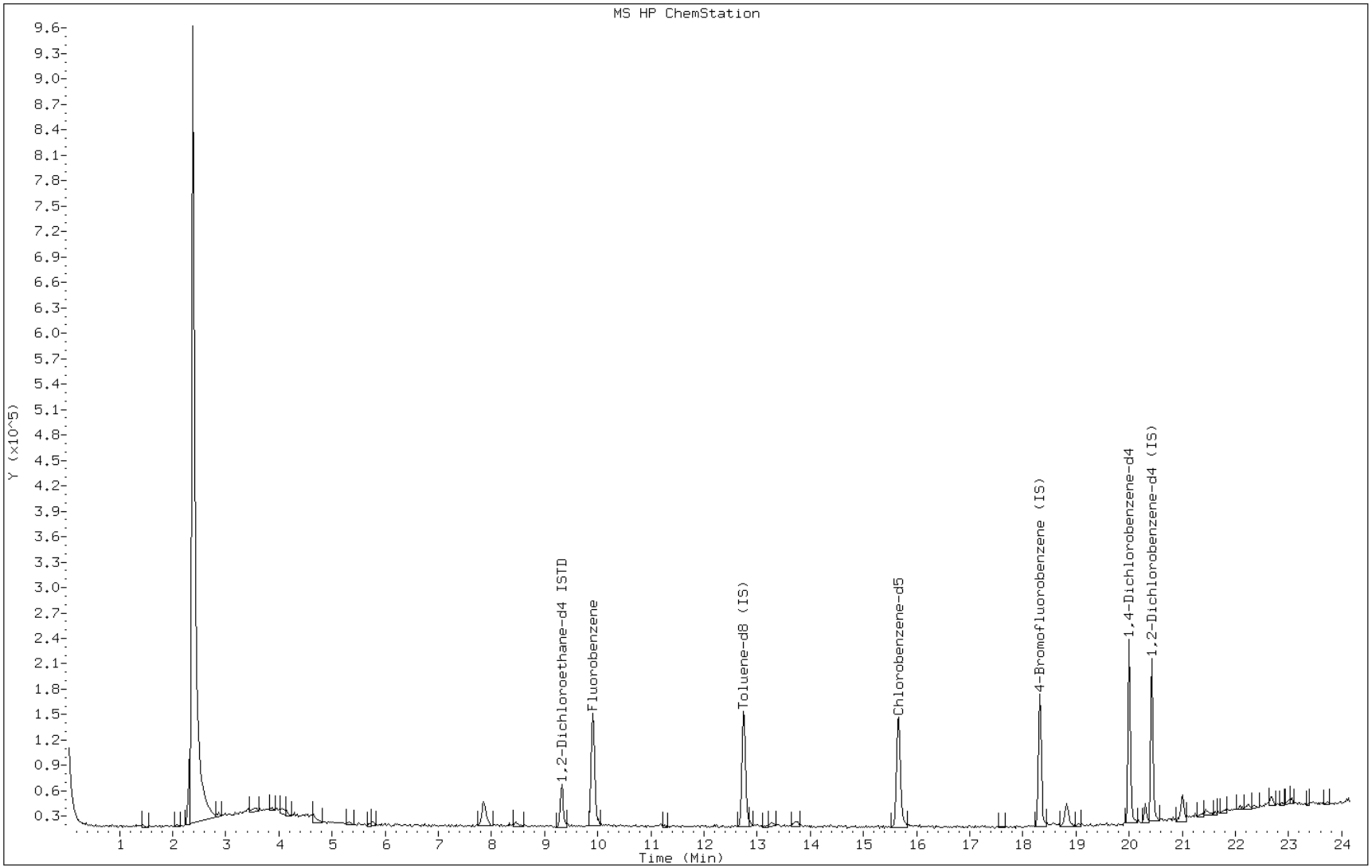
Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,2-Dichloroethane-d4 I	9.321	237163	2.000
* 83 1,2-Dichlorobenzene-d4	20.438	572778	2.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
7.857	183405	1.54665475	1.5	0		0	32
Unknown					CAS #:		
21.013	145791	0.50906489	0.51	0		0	83

Data File:	lkra05.d	Date:	13-OCT-2014 10:37
Client ID:		Instrument:	L.i
Operator:	MTP	Inj Vol:	5.0
Column Type:	Capillary	Diameter:	0.53
Stationary Phase:	DB-624		
Sample Info:	MB		
Lab Sample ID:	MB		

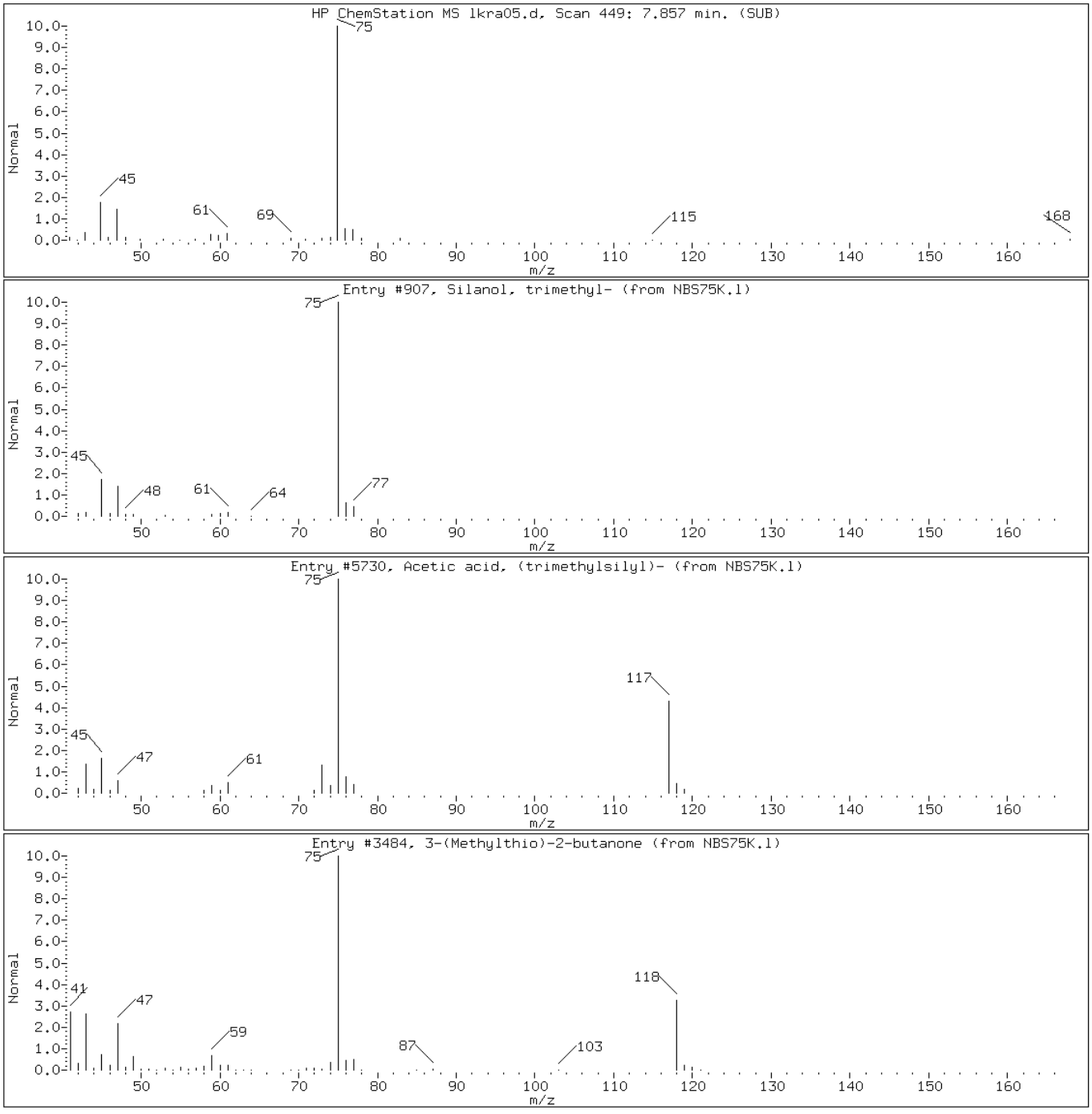


Data File: lkra05.d
Lab Sample ID: MB
Client ID:
Sample Info: MB

Date: 13-OCT-2014 10:37
Instrument: L.i
Operator: MTP

Retention Time: 7.86

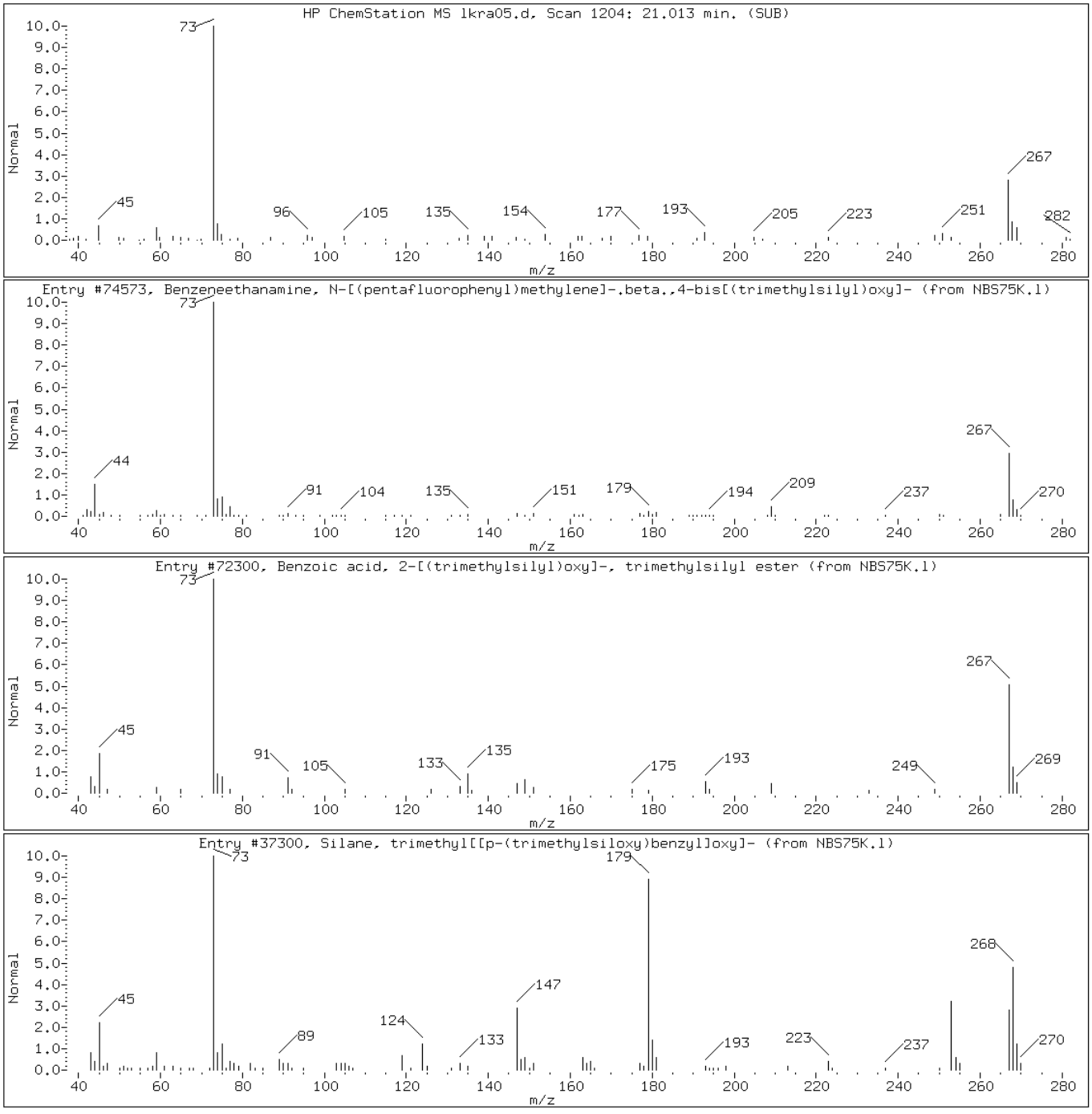
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NBS75K.l	907	78	C3H10OSi	90
Acetic acid, (trimethylsilyl)-	2345-38-2	NBS75K.l	5730	64	C5H12O2Si	132
3-(Methylthio)-2-butanone	53475-15-3	NBS75K.l	3484	64	C5H10OS	118



Data File: lkra05.d
Lab Sample ID: MB Date: 13-OCT-2014 10:37
Client ID: Instrument: L.i
Sample Info: MB Operator: MTP

Retention Time: 21.01

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzeneethanamine, N-[(pentafluoro	55429-85-1	NBS75K.l	74573	45	C21H26F5NO2Si2	475
Benzoic acid, 2-[(trimethylsilyl)o	3789-85-3	NBS75K.l	72300	38	C13H22O3Si2	282
Silane, trimethyl[[p-(trimethylsil	18401-58-6	NBS75K.l	37300	5	C13H24O2Si2	268



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: Lab Sample ID: MB 200-78697/5

Matrix: Water Lab File ID: lkrb05.d

Analysis Method: 524.2 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2014 10:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78697 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.090
74-87-3	Chloromethane	0.50	U	0.50	0.12
75-01-4	Vinyl chloride	0.50	U	0.50	0.076
74-83-9	Bromomethane	0.50	U	0.50	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.22
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.10
60-29-7	Diethyl ether	0.50	U	0.50	0.066
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.074
67-64-1	Acetone	5.0	U	5.0	0.84
74-88-4	Methyl iodide	0.50	U	0.50	0.13
75-15-0	Carbon disulfide	0.50	U	0.50	0.12
107-05-1	Allyl chloride	0.50	U	0.50	0.10
75-09-2	Methylene Chloride	0.50	U	0.50	0.084
107-13-1	Acrylonitrile	0.50	U	0.50	0.16
75-65-0	t-Butyl alcohol	50	U	50	4.4
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.071
1634-04-4	Methyl t-butyl ether	0.50	U	0.50	0.080
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.094
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.087
594-20-7	2,2-Dichloropropane	0.50	U	0.50	0.16
78-93-3	2-Butanone	5.0	U	5.0	0.16
107-12-0	Propionitrile	25	U	25	2.9
96-33-3	Methyl acrylate	0.50	U	0.50	0.13
126-98-7	Methacrylonitrile	0.50	U	0.50	0.081
74-97-5	Bromochloromethane	0.50	U	0.50	0.076
109-99-9	Tetrahydrofuran	2.5	U	2.5	0.52
67-66-3	Chloroform	0.50	U	0.50	0.085
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.092
109-69-3	1-Chlorobutane	0.50	U	0.50	0.10
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.12
563-58-6	1,1-Dichloropropene	0.50	U	0.50	0.12
71-43-2	Benzene	0.50	U	0.50	0.10
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.092
79-01-6	Trichloroethene	0.50	U	0.50	0.10
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.087
74-95-3	Dibromomethane	0.50	U	0.50	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: Lab Sample ID: MB 200-78697/5

Matrix: Water Lab File ID: lkrb05.d

Analysis Method: 524.2 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2014 10:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78697 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
80-62-6	Methyl methacrylate	0.50	U	0.50	0.25
75-27-4	Bromodichloromethane	0.50	U	0.50	0.10
79-46-9	2-Nitropropane	10	U	10	1.3
107-14-2	Chloroacetonitrile	25	U	25	4.1
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.12
108-10-1	4-Methyl-2-pentanone (MIBK)	2.5	U	2.5	0.32
513-88-2	1,1-Dichloro-2-propanone	10	U	10	1.1
108-88-3	Toluene	0.50	U	0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.082
97-63-2	Ethyl methacrylate	0.50	U	0.50	0.073
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.070
127-18-4	Tetrachloroethene	0.50	U	0.50	0.089
142-28-9	1,3-Dichloropropane	0.50	U	0.50	0.10
591-78-6	2-Hexanone	2.5	U	2.5	0.40
124-48-1	Dibromochloromethane	0.50	U	0.50	0.081
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.072
108-90-7	Chlorobenzene	0.50	U	0.50	0.093
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U	0.50	0.10
100-41-4	Ethylbenzene	0.50	U	0.50	0.10
179601-23-1	m&p-Xylene	0.50	U	0.50	0.20
95-47-6	o-Xylene	0.50	U	0.50	0.092
100-42-5	Styrene	0.50	U	0.50	0.075
75-25-2	Bromoform	0.50	U	0.50	0.067
98-82-8	Isopropylbenzene	0.50	U	0.50	0.10
108-86-1	Bromobenzene	0.50	U	0.50	0.083
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.078
96-18-4	1,2,3-Trichloropropane	0.50	U	0.50	0.10
110-57-6	trans-1,4-Dichloro-2-butene	0.50	U	0.50	0.12
103-65-1	n-Propylbenzene	0.50	U	0.50	0.10
95-49-8	2-Chlorotoluene	0.50	U	0.50	0.10
106-43-4	4-Chlorotoluene	0.50	U	0.50	0.10
108-67-8	1,3,5-Trimethylbenzene	0.50	U	0.50	0.10
98-06-6	tert-Butylbenzene	0.50	U	0.50	0.089
76-01-7	Pentachloroethane	0.50	U	0.50	0.089
95-63-6	1,2,4-Trimethylbenzene	0.50	U	0.50	0.10
135-98-8	sec-Butylbenzene	0.50	U	0.50	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: Lab Sample ID: MB 200-78697/5

Matrix: Water Lab File ID: lkrb05.d

Analysis Method: 524.2 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2014 10:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78697 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.11
99-87-6	p-Isopropyltoluene	0.50	U	0.50	0.090
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.10
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.081
104-51-8	n-Butylbenzene	0.50	U	0.50	0.13
67-72-1	Hexachloroethane	0.50	U	0.50	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U	0.50	0.10
98-95-3	Nitrobenzene	25	U	25	3.6
108-70-3	1,3,5-Trichlorobenzene	0.50	U	0.50	0.10
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.083
87-68-3	Hexachlorobutadiene	0.50	U	0.50	0.089
91-20-3	Naphthalene	0.50	U	0.50	0.062
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: Lab Sample ID: MB 200-78697/5

Matrix: Water Lab File ID: lkrb05.d

Analysis Method: 524.2 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2014 10:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78697 Units: ug/L

Number TICs Found: 1 TIC Result Total: 1.71

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.86	1.71	J

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Data file : /chem/L.i/Lsvr.p/lkrb524.b/lkrb05.d
Lab Smp Id: MB
Inj Date : 14-OCT-2014 10:01
Operator : MTP Inst ID: L.i
Smp Info : MB
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkrb524.b/524v1.m
Meth Date : 14-Oct-2014 09:41 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 16:32 Cal File: lkr04.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
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25	Methacrylonitrile	67	Compound Not Detected.					
26	Tetrahydrofuran	42	Compound Not Detected.					
27	Chloroform	83	Compound Not Detected.					
28	1,1,1-Trichloroethane	97	Compound Not Detected.					
29	1-Chlorobutane	56	Compound Not Detected.					
30	Carbon Tetrachloride	117	Compound Not Detected.					
31	1,1-Dichloropropene	75	Compound Not Detected.					
* 32	1,2-Dichloroethane-d4 ISTD	65	9.325	9.338	(1.000)	69739	2.00000	
33	Benzene	78	Compound Not Detected.					
34	1,2-Dichloroethane	62	Compound Not Detected.					
* 35	Fluorobenzene	96	9.917	9.931	(1.000)	278462	2.00000	
36	Trichloroethene	95	Compound Not Detected.					
37	1,2-Dichloropropane	63	Compound Not Detected.					
38	Dibromomethane	93	Compound Not Detected.					
39	Methyl Methacrylate	69	Compound Not Detected.					
40	Bromodichloromethane	83	Compound Not Detected.					
41	2-Nitropropane	41	Compound Not Detected.					
42	Chloroacetonitrile	75	Compound Not Detected.					
43	cis-1,3-Dichloropropene	75	Compound Not Detected.					
44	4-Methyl-2-Pentanone	58	Compound Not Detected.					
45	1,1-Dichloropropanone	83	Compound Not Detected.					
* 46	Toluene-d8 (IS)	98	12.758	12.754	(1.000)	231205	2.00000	
47	Toluene	92	Compound Not Detected.					
48	trans-1,3-Dichloropropene	75	Compound Not Detected.					
49	Ethyl Methacrylate	69	Compound Not Detected.					
50	1,1,2-Trichloroethane	83	Compound Not Detected.					
51	Tetrachloroethene	166	Compound Not Detected.					
52	1,3-Dichloropropane	76	Compound Not Detected.					
53	2-Hexanone	43	Compound Not Detected.					
54	Dibromochloromethane	129	Compound Not Detected.					
55	1,2-Dibromoethane	107	Compound Not Detected.					
* 56	Chlorobenzene-d5	117	15.667	15.664	(1.000)	208123	2.00000	
57	Chlorobenzene	112	Compound Not Detected.					
58	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
59	Ethylbenzene	91	Compound Not Detected.					
60	m- & p-Xylene	106	Compound Not Detected.					
61	o-Xylene	106	Compound Not Detected.					

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
M	62	Xylene (total)	106	Compound Not Detected.					
	63	Styrene	104	Compound Not Detected.					
	64	Bromoform	172	Compound Not Detected.					
	65	Isopropylbenzene	105	Compound Not Detected.					
*	66	4-Bromofluorobenzene (IS)	95	18.316	18.312	(1.000)	149473	2.00000	
	67	Bromobenzene	156	Compound Not Detected.					
	68	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69	1,2,3-Trichloropropane	110	Compound Not Detected.					
	70	trans-1,4-Dichloro-2-butene	53	Compound Not Detected.					
	71	n-Propylbenzene	120	Compound Not Detected.					
	72	2-Chlorotoluene	126	Compound Not Detected.					
	73	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	74	4-Chlorotoluene	126	Compound Not Detected.					
	75	tert-Butylbenzene	134	Compound Not Detected.					
	76	Pentachloroethane	167	Compound Not Detected.					
	77	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	78	sec-Butylbenzene	105	Compound Not Detected.					
	79	1,3-Dichlorobenzene	146	Compound Not Detected.					
	80	p-Isopropyltoluene	119	Compound Not Detected.					
*	81	1,4-Dichlorobenzene-d4	152	20.006	20.002	(1.000)	103249	2.00000	
	82	1,4-Dichlorobenzene	146	Compound Not Detected.					
*	83	1,2-Dichlorobenzene-d4 (IS)	152	20.442	20.438	(1.000)	93838	2.00000	
	84	1,2-Dichlorobenzene	146	Compound Not Detected.					
	85	n-Butylbenzene	91	Compound Not Detected.					
	86	Hexachloroethane	117	Compound Not Detected.					
	87	1,2-Dibromo-3-Chloropropane	155	Compound Not Detected.					
	88	1,3,5 Trichlorobenzene	180	Compound Not Detected.					
	89	Nitrobenzene	77	Compound Not Detected.					
	90	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	91	Hexachlorobutadiene	224	Compound Not Detected.					
	92	Naphthalene	128	Compound Not Detected.					
	93	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Data file : /chem/L.i/Lsvr.p/lkrb524.b/lkrb05.d
Lab Smp Id: MB
Inj Date : 14-OCT-2014 10:01
Operator : MTP Inst ID: L.i
Smp Info : MB
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkrb524.b/524v1.m
Meth Date : 14-Oct-2014 09:41 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 16:32 Cal File: lkr04.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

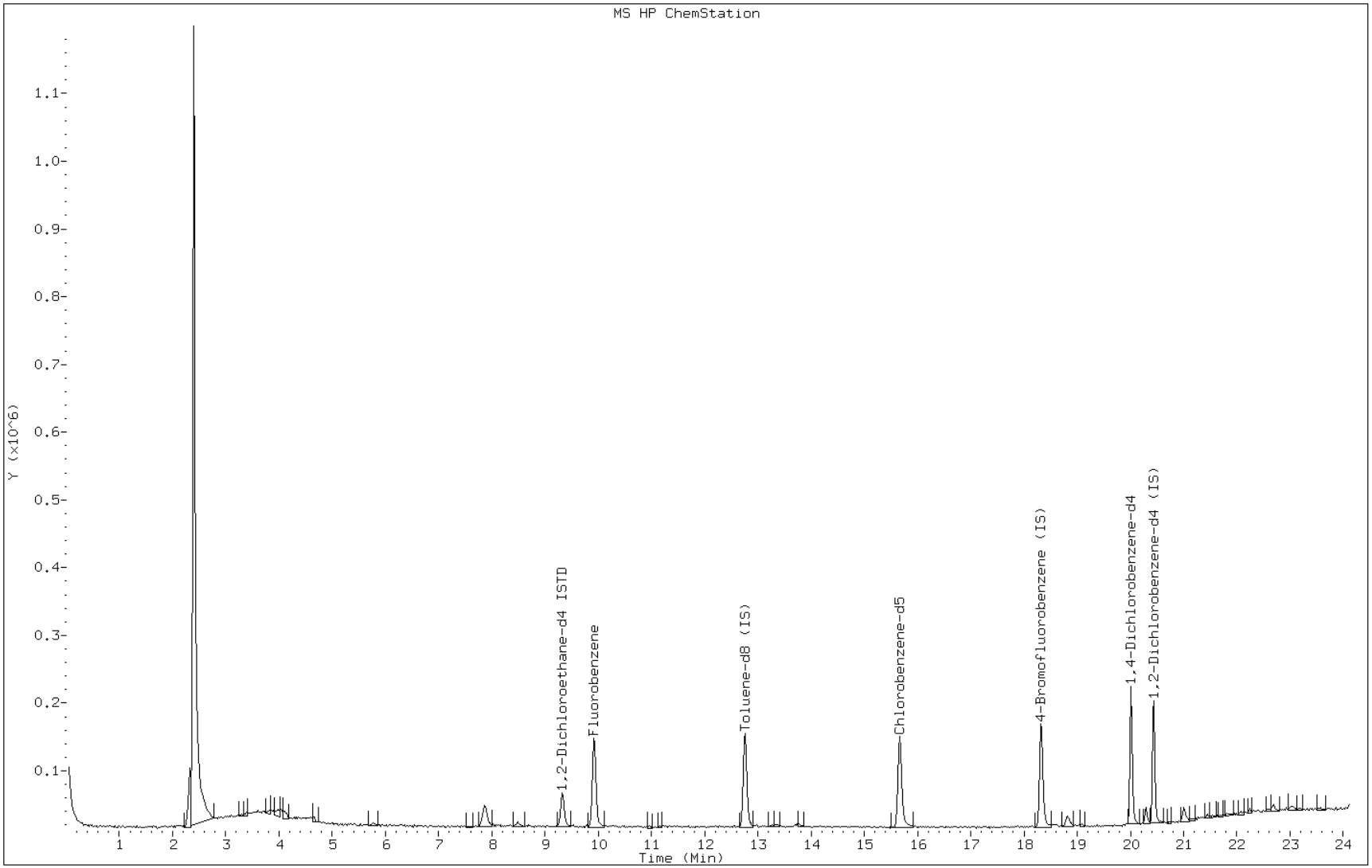
Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,2-Dichloroethane-d4 I	9.325	238871	2.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
7.861	203652	1.70511293	1.7	0		0	32

Data File: lkrb05.d
Client ID:
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: MB
Lab Sample ID: MB

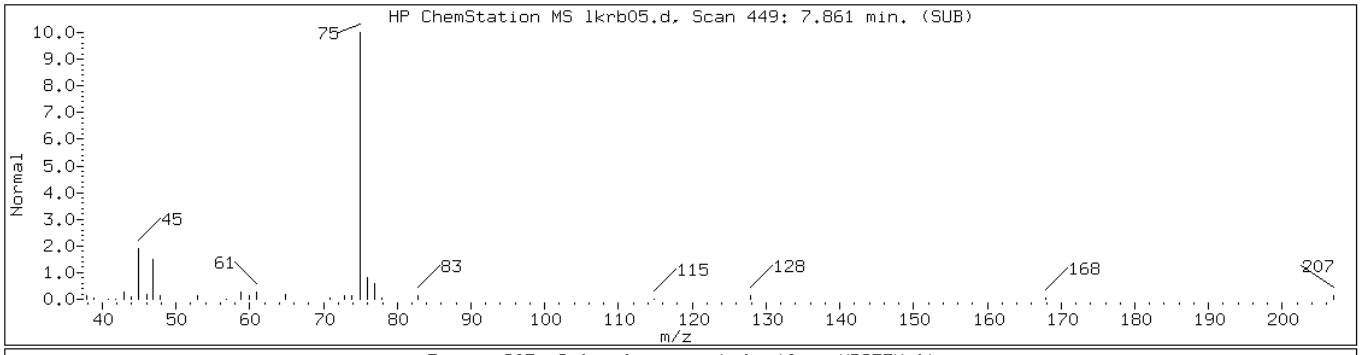
Date: 14-OCT-2014 10:01
Instrument: L.i
Inj Vol: 5.0
Diameter: 0.53

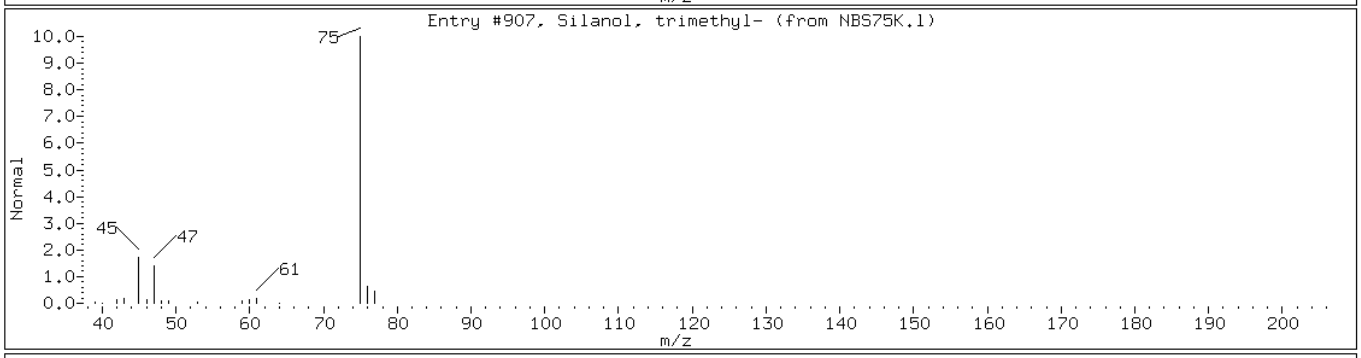


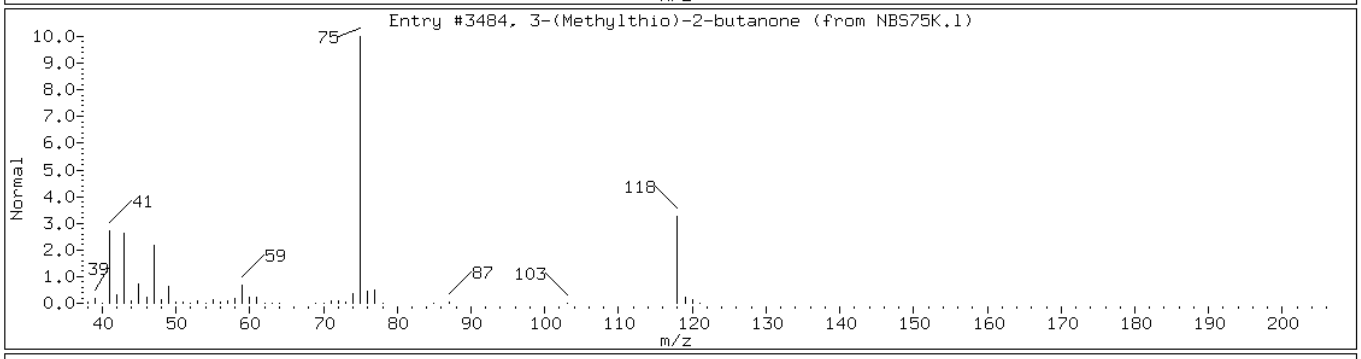
Data File: lkrb05.d
Lab Sample ID: MB Date: 14-OCT-2014 10:01
Client ID: Instrument: L.i
Sample Info: MB Operator: MTP

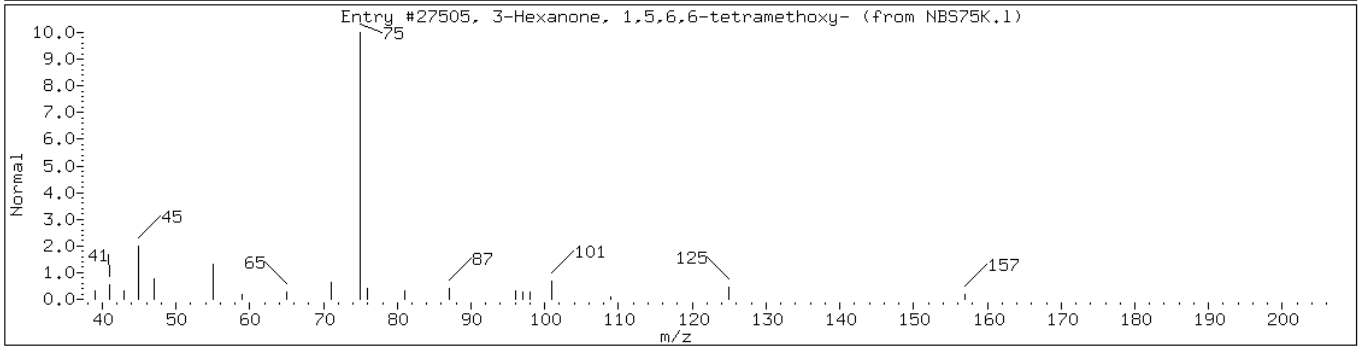
Retention Time: 7.86

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NBS75K.l	907	78	C3H10OSi	90
3-(Methylthio)-2-butanone	53475-15-3	NBS75K.l	3484	64	C5H10OS	118
3-Hexanone, 1,5,6,6-tetramethoxy-	53914-29-7	NBS75K.l	27505	40	C10H20O5	220









FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: Lab Sample ID: LCS 200-78664/4

Matrix: Water Lab File ID: lkra04.d

Analysis Method: 524.2 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 10:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.51		0.50	0.090
74-87-3	Chloromethane	1.53		0.50	0.12
75-01-4	Vinyl chloride	1.31		0.50	0.076
74-83-9	Bromomethane	1.37		0.50	0.20
75-00-3	Chloroethane	1.08		0.50	0.22
75-69-4	Trichlorofluoromethane	1.24		0.50	0.10
60-29-7	Diethyl ether	1.06		0.50	0.066
75-35-4	1,1-Dichloroethene	1.12		0.50	0.074
67-64-1	Acetone	5.55		5.0	0.84
74-88-4	Methyl iodide	0.928		0.50	0.13
75-15-0	Carbon disulfide	1.17		0.50	0.12
107-05-1	Allyl chloride	0.938		0.50	0.10
75-09-2	Methylene Chloride	1.41		0.50	0.084
107-13-1	Acrylonitrile	1.04		0.50	0.16
75-65-0	t-Butyl alcohol	113		50	4.4
156-60-5	trans-1,2-Dichloroethene	1.13		0.50	0.071
1634-04-4	Methyl t-butyl ether	1.12		0.50	0.080
75-34-3	1,1-Dichloroethane	1.09		0.50	0.094
156-59-2	cis-1,2-Dichloroethene	1.11		0.50	0.087
594-20-7	2,2-Dichloropropane	1.20		0.50	0.16
78-93-3	2-Butanone	5.05		5.0	0.16
107-12-0	Propionitrile	53.6		25	2.9
96-33-3	Methyl acrylate	1.06		0.50	0.13
126-98-7	Methacrylonitrile	1.12		0.50	0.081
74-97-5	Bromochloromethane	1.17		0.50	0.076
109-99-9	Tetrahydrofuran	5.71		2.5	0.52
67-66-3	Chloroform	1.13		0.50	0.085
71-55-6	1,1,1-Trichloroethane	1.09		0.50	0.092
109-69-3	1-Chlorobutane	1.01		0.50	0.10
56-23-5	Carbon tetrachloride	1.05		0.50	0.12
563-58-6	1,1-Dichloropropene	1.20		0.50	0.12
71-43-2	Benzene	1.12		0.50	0.10
107-06-2	1,2-Dichloroethane	1.07		0.50	0.092
79-01-6	Trichloroethene	1.13		0.50	0.10
78-87-5	1,2-Dichloropropane	1.07		0.50	0.087
74-95-3	Dibromomethane	1.10		0.50	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: | Lab Sample ID: LCS 200-78664/4

Matrix: Water | Lab File ID: lkra04.d

Analysis Method: 524.2 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/13/2014 10:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 78664 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
80-62-6	Methyl methacrylate	1.02		0.50	0.25
75-27-4	Bromodichloromethane	1.08		0.50	0.10
79-46-9	2-Nitropropane	22.4		10	1.3
107-14-2	Chloroacetonitrile	51.0		25	4.1
10061-01-5	cis-1,3-Dichloropropene	1.06		0.50	0.12
108-10-1	4-Methyl-2-pentanone (MIBK)	5.40		2.5	0.32
513-88-2	1,1-Dichloro-2-propanone	21.1		10	1.1
108-88-3	Toluene	1.08		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	1.11		0.50	0.082
97-63-2	Ethyl methacrylate	1.02		0.50	0.073
79-00-5	1,1,2-Trichloroethane	1.08		0.50	0.070
127-18-4	Tetrachloroethene	1.08		0.50	0.089
142-28-9	1,3-Dichloropropane	1.07		0.50	0.10
591-78-6	2-Hexanone	5.88		2.5	0.40
124-48-1	Dibromochloromethane	1.07		0.50	0.081
106-93-4	1,2-Dibromoethane	1.05		0.50	0.072
108-90-7	Chlorobenzene	1.05		0.50	0.093
630-20-6	1,1,1,2-Tetrachloroethane	1.05		0.50	0.10
100-41-4	Ethylbenzene	1.08		0.50	0.10
179601-23-1	m&p-Xylene	2.11		0.50	0.20
95-47-6	o-Xylene	1.05		0.50	0.092
100-42-5	Styrene	1.06		0.50	0.075
75-25-2	Bromoform	0.997		0.50	0.067
98-82-8	Isopropylbenzene	1.05		0.50	0.10
108-86-1	Bromobenzene	1.07		0.50	0.083
79-34-5	1,1,2,2-Tetrachloroethane	1.04		0.50	0.078
96-18-4	1,2,3-Trichloropropane	1.09		0.50	0.10
110-57-6	trans-1,4-Dichloro-2-butene	0.963		0.50	0.12
103-65-1	n-Propylbenzene	1.01		0.50	0.10
95-49-8	2-Chlorotoluene	1.10		0.50	0.10
106-43-4	4-Chlorotoluene	1.05		0.50	0.10
108-67-8	1,3,5-Trimethylbenzene	1.05		0.50	0.10
98-06-6	tert-Butylbenzene	1.00		0.50	0.089
76-01-7	Pentachloroethane	1.01		0.50	0.089
95-63-6	1,2,4-Trimethylbenzene	1.08		0.50	0.10
135-98-8	sec-Butylbenzene	1.02		0.50	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: Lab Sample ID: LCS 200-78664/4

Matrix: Water Lab File ID: lkra04.d

Analysis Method: 524.2 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/13/2014 10:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78664 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	1.05		0.50	0.11
99-87-6	p-Isopropyltoluene	1.03		0.50	0.090
106-46-7	1,4-Dichlorobenzene	0.987		0.50	0.10
95-50-1	1,2-Dichlorobenzene	1.03		0.50	0.081
104-51-8	n-Butylbenzene	1.02		0.50	0.13
67-72-1	Hexachloroethane	0.958		0.50	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	1.05		0.50	0.10
98-95-3	Nitrobenzene	42.8		25	3.6
108-70-3	1,3,5-Trichlorobenzene	1.04		0.50	0.10
120-82-1	1,2,4-Trichlorobenzene	1.07		0.50	0.083
87-68-3	Hexachlorobutadiene	1.06		0.50	0.089
91-20-3	Naphthalene	1.05		0.50	0.062
87-61-6	1,2,3-Trichlorobenzene	1.09		0.50	0.10

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Data file : /chem/L.i/Lsvr.p/lkra524.b/lkra04.d
Lab Smp Id: LCS
Inj Date : 13-OCT-2014 10:05
Operator : MTP Inst ID: L.i
Smp Info : LCS
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkra524.b/524v1.m
Meth Date : 13-Oct-2014 10:35 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 18:43 Cal File: lkr08.d
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	2.618	2.647	(0.264)	78175	1.51010	1.5(R)
2 Chloromethane	50	2.879	2.891	(0.290)	46771	1.52551	1.5(R)
3 Vinyl Chloride	62	3.036	3.048	(0.306)	48291	1.30517	1.3(R)
4 Bromomethane	94	3.541	3.553	(0.357)	19795	1.37344	1.4(R)
5 Chloroethane	64	3.698	3.710	(0.373)	25699	1.07880	1.1
6 Trichlorofluoromethane	101	4.099	4.128	(0.413)	83708	1.23739	1.2
7 Diethyl Ether	59	4.587	4.599	(0.462)	24433	1.06120	1.1
8 1,1-Dichloroethene	96	4.952	4.982	(0.499)	39837	1.11759	1.1
9 Acetone	43	5.040	5.052	(0.508)	35767	5.54653	5.5
10 Methyl Iodide	142	5.196	5.209	(0.524)	20931	0.92814	0.93
11 Carbon Disulfide	76	5.318	5.331	(0.536)	103910	1.17232	1.2
12 Allyl Chloride	41	5.562	5.575	(0.561)	70526	0.93785	0.94
13 Methylene Chloride	84	5.771	5.784	(0.582)	51641	1.40858	1.4(R)
14 t-Butyl Alcohol	59	5.998	6.010	(0.605)	245229	113.168	110

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 trans-1,2-Dichloroethene	96	6.242	6.254	(0.629)	43352	1.12763	1.1
	16 Acrylonitrile	53	6.190	6.202	(0.624)	8561	1.04400	1.0
	17 Methyl-t-Butyl Ether	73	6.242	6.272	(0.629)	85119	1.11531	1.1
	18 1,1-Dichloroethane	63	6.939	6.951	(0.700)	87653	1.09385	1.1
	19 2,2-Dichloropropane	77	7.932	7.944	(0.800)	71334	1.20136	1.2
	20 cis-1,2-Dichloroethene	96	7.932	7.944	(0.800)	44671	1.11173	1.1
	21 2-Butanone	72	7.984	7.979	(0.805)	13228	5.04659	5.0
	22 Propionitrile	54	8.054	8.049	(0.812)	158497	53.5828	54
	23 Methyl Acrylate	55	8.141	8.154	(0.821)	38016	1.06386	1.1
	24 Bromochloromethane	128	8.333	8.345	(0.840)	27878	1.16878	1.2(Q)
	25 Methacrylonitrile	67	8.315	8.310	(0.838)	10894	1.11789	1.1
	26 Tetrahydrofuran	42	8.437	8.450	(0.851)	60036	5.70892	5.7
	27 Chloroform	83	8.472	8.485	(0.854)	87371	1.12516	1.1
	28 1,1,1-Trichloroethane	97	8.803	8.816	(0.888)	69498	1.08727	1.1
	29 1-Chlorobutane	56	8.978	8.990	(0.905)	84496	1.00991	1.0
	30 Carbon Tetrachloride	117	9.100	9.112	(0.917)	62522	1.05081	1.1
	31 1,1-Dichloropropene	75	9.082	9.095	(0.916)	71303	1.19726	1.2
*	32 1,2-Dichloroethane-d4 ISTD	65	9.309	9.338	(1.000)	79498	2.00000	
	33 Benzene	78	9.431	9.443	(0.951)	127216	1.11616	1.1
	34 1,2-Dichloroethane	62	9.448	9.460	(0.953)	41693	1.06705	1.1
*	35 Fluorobenzene	96	9.919	9.931	(1.000)	274614	2.00000	
	36 Trichloroethene	95	10.563	10.576	(1.065)	55204	1.13316	1.1
	37 1,2-Dichloropropane	63	10.929	10.942	(1.102)	53822	1.07396	1.1
	38 Dibromomethane	93	11.138	11.151	(1.123)	41567	1.09652	1.1
	39 Methyl Methacrylate	69	11.173	11.185	(1.126)	27056	1.01979	1.0
	40 Bromodichloromethane	83	11.417	11.429	(1.151)	85068	1.08324	1.1
	41 2-Nitropropane	41	11.818	11.813	(1.191)	178519	22.3702	22
	42 Chloroacetonitrile	75	11.905	11.900	(1.200)	70766	51.0109	51
	43 cis-1,3-Dichloropropene	75	12.236	12.248	(1.234)	73558	1.06034	1.1
	44 4-Methyl-2-Pentanone	58	12.532	12.527	(1.264)	78439	5.39994	5.4
	45 1,1-Dichloropropanone	83	12.550	12.562	(1.265)	19055	21.0539	21
*	46 Toluene-d8 (IS)	98	12.741	12.754	(1.000)	231124	2.00000	
	47 Toluene	92	12.863	12.876	(1.297)	79681	1.07827	1.1
	48 trans-1,3-Dichloropropene	75	13.264	13.276	(1.337)	58462	1.11378	1.1
	49 Ethyl Methacrylate	69	13.473	13.486	(1.358)	54655	1.02065	1.0
	50 1,1,2-Trichloroethane	83	13.613	13.625	(1.372)	37507	1.07837	1.1
	51 Tetrachloroethene	166	13.926	13.939	(1.404)	67317	1.08058	1.1
	52 1,3-Dichloropropane	76	13.944	13.956	(1.406)	70986	1.07019	1.1
	53 2-Hexanone	43	14.135	14.148	(1.425)	161426	5.87542	5.9
	54 Dibromochloromethane	129	14.414	14.409	(0.921)	71700	1.06827	1.1
	55 1,2-Dibromoethane	107	14.641	14.636	(0.935)	61189	1.04868	1.0
*	56 Chlorobenzene-d5	117	15.651	15.664	(1.000)	210781	2.00000	
	57 Chlorobenzene	112	15.721	15.733	(1.004)	97189	1.04942	1.0
	58 1,1,1,2-Tetrachloroethane	131	15.913	15.908	(1.017)	50317	1.04959	1.0
	59 Ethylbenzene	91	15.982	15.995	(1.021)	164922	1.08325	1.1
	60 m- & p-Xylene	106	16.261	16.274	(1.039)	112838	2.11287	2.1
	61 o-Xylene	106	17.185	17.197	(1.098)	53950	1.04691	1.0

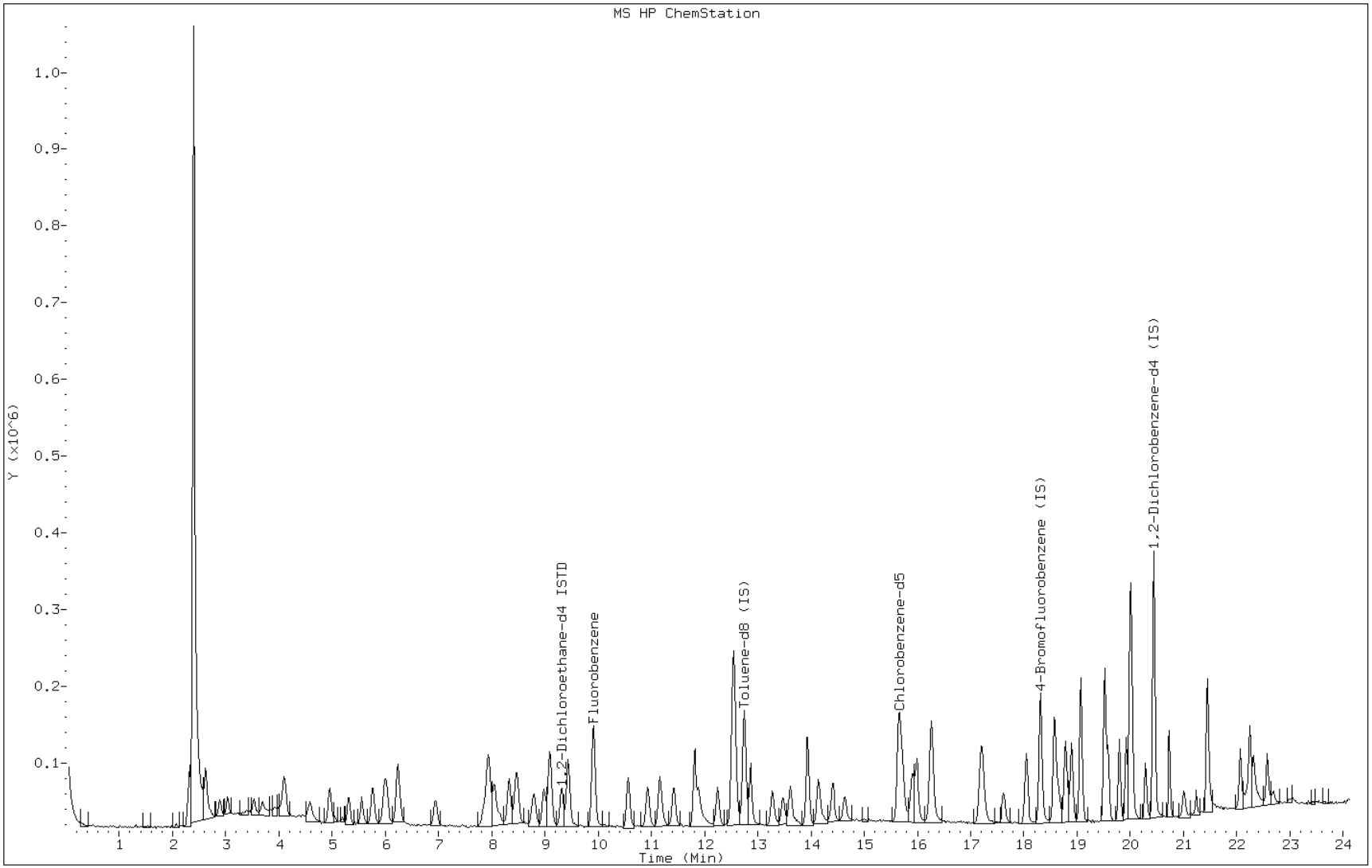
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
M	62 Xylene (total)	106				166788	3.15978	3.2
	63 Styrene	104	17.220	17.232	(1.100)	92929	1.05679	1.1
	64 Bromoform	173	17.620	17.633	(1.126)	51579	0.99746	1.00
	65 Isopropylbenzene	105	18.039	18.051	(1.153)	155958	1.05028	1.1
*	66 4-Bromofluorobenzene (IS)	95	18.317	18.312	(1.000)	152354	2.00000	
	67 Bromobenzene	156	18.579	18.574	(1.187)	52618	1.07400	1.1
	68 1,1,2,2-Tetrachloroethane	83	18.579	18.574	(1.187)	72106	1.04305	1.0
	69 1,2,3-Trichloropropane	110	18.631	18.626	(1.190)	16439	1.08730	1.1
	70 trans-1,4-Dichloro-2-butene	53	18.683	18.678	(1.194)	12310	0.96286	0.96
	71 n-Propylbenzene	120	18.788	18.783	(1.200)	34877	1.00651	1.0(Q)
	72 2-Chlorotoluene	126	18.910	18.905	(1.208)	39238	1.09901	1.1
	73 1,3,5-Trimethylbenzene	105	19.067	19.061	(1.218)	107106	1.05486	1.1
	74 4-Chlorotoluene	126	19.067	19.061	(1.218)	35980	1.04937	1.0(Q)
	75 tert-Butylbenzene	134	19.520	19.515	(1.247)	30070	1.00292	1.0
	76 Pentachloroethane	167	19.520	19.515	(1.247)	37714	1.01229	1.0
	77 1,2,4-Trimethylbenzene	105	19.572	19.584	(1.250)	99521	1.08158	1.1
	78 sec-Butylbenzene	105	19.798	19.793	(1.265)	148485	1.02126	1.0
	79 1,3-Dichlorobenzene	146	19.920	19.915	(1.273)	79125	1.05481	1.1
	80 p-Isopropyltoluene	119	19.990	19.985	(1.277)	109083	1.03327	1.0
*	81 1,4-Dichlorobenzene-d4	152	20.008	20.002	(1.000)	110495	2.00000	
	82 1,4-Dichlorobenzene	146	20.025	20.037	(1.279)	76135	0.98680	0.99
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.426	20.438	(1.000)	99587	2.00000	
	84 1,2-Dichlorobenzene	146	20.461	20.455	(1.307)	71963	1.02538	1.0
	85 n-Butylbenzene	91	20.443	20.455	(1.306)	94188	1.01982	1.0
	86 Hexachloroethane	117	20.739	20.734	(1.325)	49169	0.95783	0.96
	87 1,2-Dibromo-3-Chloropropane	155	21.245	21.240	(1.357)	12241	1.04940	1.0
	88 1,3,5 Trichlorobenzene	180	21.454	21.449	(1.371)	52986	1.04067	1.0
	89 Nitrobenzene	77	21.436	21.431	(1.370)	119968	42.7715	43
	90 1,2,4-Trichlorobenzene	180	22.064	22.059	(1.410)	44976	1.06680	1.1
	91 Hexachlorobutadiene	225	22.238	22.233	(1.421)	30922	1.06208	1.1
	92 Naphthalene	128	22.325	22.320	(1.426)	71808	1.05385	1.1
	93 1,2,3-Trichlorobenzene	180	22.569	22.564	(1.442)	40746	1.08535	1.1

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: lkra04.d
Client ID:
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: LCS
Lab Sample ID: LCS

Date: 13-OCT-2014 10:05
Instrument: L.i
Inj Vol: 5.0
Diameter: 0.53



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: Lab Sample ID: LCS 200-78697/4

Matrix: Water Lab File ID: lkrb04.d

Analysis Method: 524.2 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2014 09:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78697 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.48		0.50	0.090
74-87-3	Chloromethane	1.35		0.50	0.12
75-01-4	Vinyl chloride	1.31		0.50	0.076
74-83-9	Bromomethane	1.35		0.50	0.20
75-00-3	Chloroethane	1.11		0.50	0.22
75-69-4	Trichlorofluoromethane	1.23		0.50	0.10
60-29-7	Diethyl ether	1.03		0.50	0.066
75-35-4	1,1-Dichloroethene	1.11		0.50	0.074
67-64-1	Acetone	7.03		5.0	0.84
74-88-4	Methyl iodide	0.981		0.50	0.13
75-15-0	Carbon disulfide	1.16		0.50	0.12
107-05-1	Allyl chloride	0.915		0.50	0.10
75-09-2	Methylene Chloride	1.38		0.50	0.084
107-13-1	Acrylonitrile	1.01		0.50	0.16
75-65-0	t-Butyl alcohol	111		50	4.4
156-60-5	trans-1,2-Dichloroethene	1.11		0.50	0.071
1634-04-4	Methyl t-butyl ether	1.10		0.50	0.080
75-34-3	1,1-Dichloroethane	1.10		0.50	0.094
156-59-2	cis-1,2-Dichloroethene	1.16		0.50	0.087
594-20-7	2,2-Dichloropropane	1.18		0.50	0.16
78-93-3	2-Butanone	5.24		5.0	0.16
107-12-0	Propionitrile	51.2		25	2.9
96-33-3	Methyl acrylate	0.850		0.50	0.13
126-98-7	Methacrylonitrile	1.00		0.50	0.081
74-97-5	Bromochloromethane	1.09		0.50	0.076
109-99-9	Tetrahydrofuran	4.99		2.5	0.52
67-66-3	Chloroform	1.14		0.50	0.085
71-55-6	1,1,1-Trichloroethane	1.07		0.50	0.092
109-69-3	1-Chlorobutane	1.10		0.50	0.10
56-23-5	Carbon tetrachloride	1.05		0.50	0.12
563-58-6	1,1-Dichloropropene	1.13		0.50	0.12
71-43-2	Benzene	1.05		0.50	0.10
107-06-2	1,2-Dichloroethane	1.06		0.50	0.092
79-01-6	Trichloroethene	1.08		0.50	0.10
78-87-5	1,2-Dichloropropane	1.05		0.50	0.087
74-95-3	Dibromomethane	1.09		0.50	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: | Lab Sample ID: LCS 200-78697/4

Matrix: Water | Lab File ID: lkrb04.d

Analysis Method: 524.2 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2014 09:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 78697 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
80-62-6	Methyl methacrylate	1.05		0.50	0.25
75-27-4	Bromodichloromethane	1.08		0.50	0.10
79-46-9	2-Nitropropane	20.3		10	1.3
107-14-2	Chloroacetonitrile	47.9		25	4.1
10061-01-5	cis-1,3-Dichloropropene	1.07		0.50	0.12
108-10-1	4-Methyl-2-pentanone (MIBK)	5.34		2.5	0.32
513-88-2	1,1-Dichloro-2-propanone	18.3		10	1.1
108-88-3	Toluene	1.06		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	1.10		0.50	0.082
97-63-2	Ethyl methacrylate	0.967		0.50	0.073
79-00-5	1,1,2-Trichloroethane	1.07		0.50	0.070
127-18-4	Tetrachloroethene	1.10		0.50	0.089
142-28-9	1,3-Dichloropropane	1.08		0.50	0.10
591-78-6	2-Hexanone	5.32		2.5	0.40
124-48-1	Dibromochloromethane	1.07		0.50	0.081
106-93-4	1,2-Dibromoethane	1.07		0.50	0.072
108-90-7	Chlorobenzene	1.11		0.50	0.093
630-20-6	1,1,1,2-Tetrachloroethane	1.09		0.50	0.10
100-41-4	Ethylbenzene	1.09		0.50	0.10
179601-23-1	m&p-Xylene	2.21		0.50	0.20
95-47-6	o-Xylene	1.08		0.50	0.092
100-42-5	Styrene	1.09		0.50	0.075
75-25-2	Bromoform	0.991		0.50	0.067
98-82-8	Isopropylbenzene	1.10		0.50	0.10
108-86-1	Bromobenzene	1.09		0.50	0.083
79-34-5	1,1,2,2-Tetrachloroethane	1.08		0.50	0.078
96-18-4	1,2,3-Trichloropropane	1.10		0.50	0.10
110-57-6	trans-1,4-Dichloro-2-butene	0.984		0.50	0.12
103-65-1	n-Propylbenzene	1.05		0.50	0.10
95-49-8	2-Chlorotoluene	1.12		0.50	0.10
106-43-4	4-Chlorotoluene	1.09		0.50	0.10
108-67-8	1,3,5-Trimethylbenzene	1.08		0.50	0.10
98-06-6	tert-Butylbenzene	1.02		0.50	0.089
76-01-7	Pentachloroethane	1.05		0.50	0.089
95-63-6	1,2,4-Trimethylbenzene	1.11		0.50	0.10
135-98-8	sec-Butylbenzene	1.06		0.50	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: Lab Sample ID: LCS 200-78697/4

Matrix: Water Lab File ID: lkrb04.d

Analysis Method: 524.2 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2014 09:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78697 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	1.07		0.50	0.11
99-87-6	p-Isopropyltoluene	1.04		0.50	0.090
106-46-7	1,4-Dichlorobenzene	1.09		0.50	0.10
95-50-1	1,2-Dichlorobenzene	1.09		0.50	0.081
104-51-8	n-Butylbenzene	1.05		0.50	0.13
67-72-1	Hexachloroethane	0.976		0.50	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	1.09		0.50	0.10
98-95-3	Nitrobenzene	38.9		25	3.6
108-70-3	1,3,5-Trichlorobenzene	1.04		0.50	0.10
120-82-1	1,2,4-Trichlorobenzene	1.09		0.50	0.083
87-68-3	Hexachlorobutadiene	1.13		0.50	0.089
91-20-3	Naphthalene	1.07		0.50	0.062
87-61-6	1,2,3-Trichlorobenzene	1.10		0.50	0.10

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Data file : /chem/L.i/Lsvr.p/lkrb524.b/lkrb04.d
Lab Smp Id: LCS
Inj Date : 14-OCT-2014 09:28
Operator : MTP Inst ID: L.i
Smp Info : LCS
Misc Info : 1,5
Comment :
Method : /chem/L.i/Lsvr.p/lkrb524.b/524v1.m
Meth Date : 14-Oct-2014 09:41 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 16:32 Cal File: lkr04.d
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	2.629	2.647	(0.265)	76250	1.48010	1.5(R)
2 Chloromethane	50	2.891	2.891	(0.291)	41117	1.34764	1.3(R)
3 Vinyl Chloride	62	3.047	3.048	(0.307)	48369	1.31365	1.3(R)
4 Bromomethane	94	3.535	3.553	(0.356)	19308	1.34619	1.3(R)
5 Chloroethane	64	3.692	3.710	(0.372)	26307	1.10971	1.1
6 Trichlorofluoromethane	101	4.110	4.128	(0.414)	83128	1.23482	1.2
7 Diethyl Ether	59	4.598	4.599	(0.463)	23626	1.03115	1.0
8 1,1-Dichloroethene	96	4.947	4.982	(0.498)	39533	1.11447	1.1
9 Acetone	43	5.051	5.052	(0.509)	45097	7.02748	7.0(R)
10 Methyl Iodide	142	5.208	5.209	(0.524)	22019	0.98114	0.98
11 Carbon Disulfide	76	5.313	5.331	(0.535)	102727	1.16463	1.2
12 Allyl Chloride	41	5.557	5.575	(0.560)	68473	0.91499	0.91
13 Methylene Chloride	84	5.783	5.784	(0.582)	50339	1.37976	1.4(R)
14 t-Butyl Alcohol	59	5.992	6.010	(0.603)	238867	110.769	110

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 trans-1,2-Dichloroethene	96	6.236	6.254	(0.628)	42482	1.11039	1.1
	16 Acrylonitrile	53	6.219	6.202	(0.626)	8277	1.01429	1.0(QM)
	17 Methyl-t-Butyl Ether	73	6.254	6.272	(0.630)	83657	1.10150	1.1
	18 1,1-Dichloroethane	63	6.951	6.951	(0.700)	87837	1.10149	1.1
	19 2,2-Dichloropropane	77	7.944	7.944	(0.800)	69952	1.18383	1.2
	20 cis-1,2-Dichloroethene	96	7.944	7.944	(0.800)	46349	1.15911	1.2
	21 2-Butanone	72	7.979	7.979	(0.803)	13672	5.24142	5.2
	22 Propionitrile	54	8.048	8.049	(0.810)	150783	51.2236	51
	23 Methyl Acrylate	55	8.153	8.154	(0.821)	30216	0.84971	0.85
	24 Bromochloromethane	128	8.345	8.345	(0.840)	25769	1.08563	1.1
	25 Methacrylonitrile	67	8.327	8.310	(0.839)	9727	1.00301	1.0(Q)
	26 Tetrahydrofuran	42	8.449	8.450	(0.851)	52176	4.98570	5.0
	27 Chloroform	83	8.484	8.485	(0.854)	88359	1.14343	1.1
	28 1,1,1-Trichloroethane	97	8.815	8.816	(0.888)	68314	1.07396	1.1
	29 1-Chlorobutane	56	8.989	8.990	(0.905)	91991	1.10485	1.1
	30 Carbon Tetrachloride	117	9.111	9.112	(0.918)	62196	1.05043	1.1
	31 1,1-Dichloropropene	75	9.094	9.095	(0.916)	66779	1.12677	1.1
*	32 1,2-Dichloroethane-d4 ISTD	65	9.320	9.338	(1.000)	73285	2.00000	
	33 Benzene	78	9.442	9.443	(0.951)	119364	1.05238	1.1
	34 1,2-Dichloroethane	62	9.460	9.460	(0.953)	41030	1.05521	1.1
*	35 Fluorobenzene	96	9.930	9.931	(1.000)	273281	2.00000	
	36 Trichloroethene	95	10.575	10.576	(1.065)	52313	1.07905	1.1
	37 1,2-Dichloropropane	63	10.941	10.942	(1.102)	52490	1.05249	1.1
	38 Dibromomethane	93	11.150	11.151	(1.123)	41288	1.09447	1.1
	39 Methyl Methacrylate	69	11.185	11.185	(1.126)	27730	1.05030	1.1
	40 Bromodichloromethane	83	11.429	11.429	(1.151)	84023	1.07516	1.1
	41 2-Nitropropane	41	11.812	11.813	(1.190)	160879	20.2580	20
	42 Chloroacetonitrile	75	11.899	11.900	(1.198)	66065	47.8545	48
	43 cis-1,3-Dichloropropene	75	12.248	12.248	(1.233)	74213	1.07500	1.1
	44 4-Methyl-2-Pentanone	58	12.527	12.527	(1.261)	77188	5.33973	5.3
	45 1,1-Dichloropropanone	83	12.561	12.562	(1.265)	16492	18.3109	18(Q)
*	46 Toluene-d8 (IS)	98	12.753	12.754	(1.000)	234037	2.00000	
	47 Toluene	92	12.875	12.876	(1.297)	77874	1.05895	1.1
	48 trans-1,3-Dichloropropene	75	13.276	13.276	(1.337)	57450	1.09984	1.1
	49 Ethyl Methacrylate	69	13.485	13.486	(1.358)	51553	0.96742	0.97
	50 1,1,2-Trichloroethane	83	13.624	13.625	(1.372)	36905	1.06623	1.1
	51 Tetrachloroethene	166	13.938	13.939	(1.404)	68203	1.10015	1.1
	52 1,3-Dichloropropane	76	13.955	13.956	(1.405)	71387	1.08148	1.1
	53 2-Hexanone	43	14.147	14.148	(1.425)	145338	5.31566	5.3
	54 Dibromochloromethane	129	14.408	14.409	(0.920)	69245	1.07404	1.1
	55 1,2-Dibromoethane	107	14.635	14.636	(0.934)	59769	1.06640	1.1
*	56 Chlorobenzene-d5	117	15.663	15.664	(1.000)	202469	2.00000	
	57 Chlorobenzene	112	15.733	15.733	(1.004)	98413	1.10626	1.1
	58 1,1,1,2-Tetrachloroethane	131	15.907	15.908	(1.016)	50141	1.08885	1.1
	59 Ethylbenzene	91	15.994	15.995	(1.021)	159973	1.09388	1.1
	60 m- & p-Xylene	106	16.273	16.274	(1.039)	113196	2.20659	2.2
	61 o-Xylene	106	17.196	17.197	(1.098)	53295	1.07666	1.1

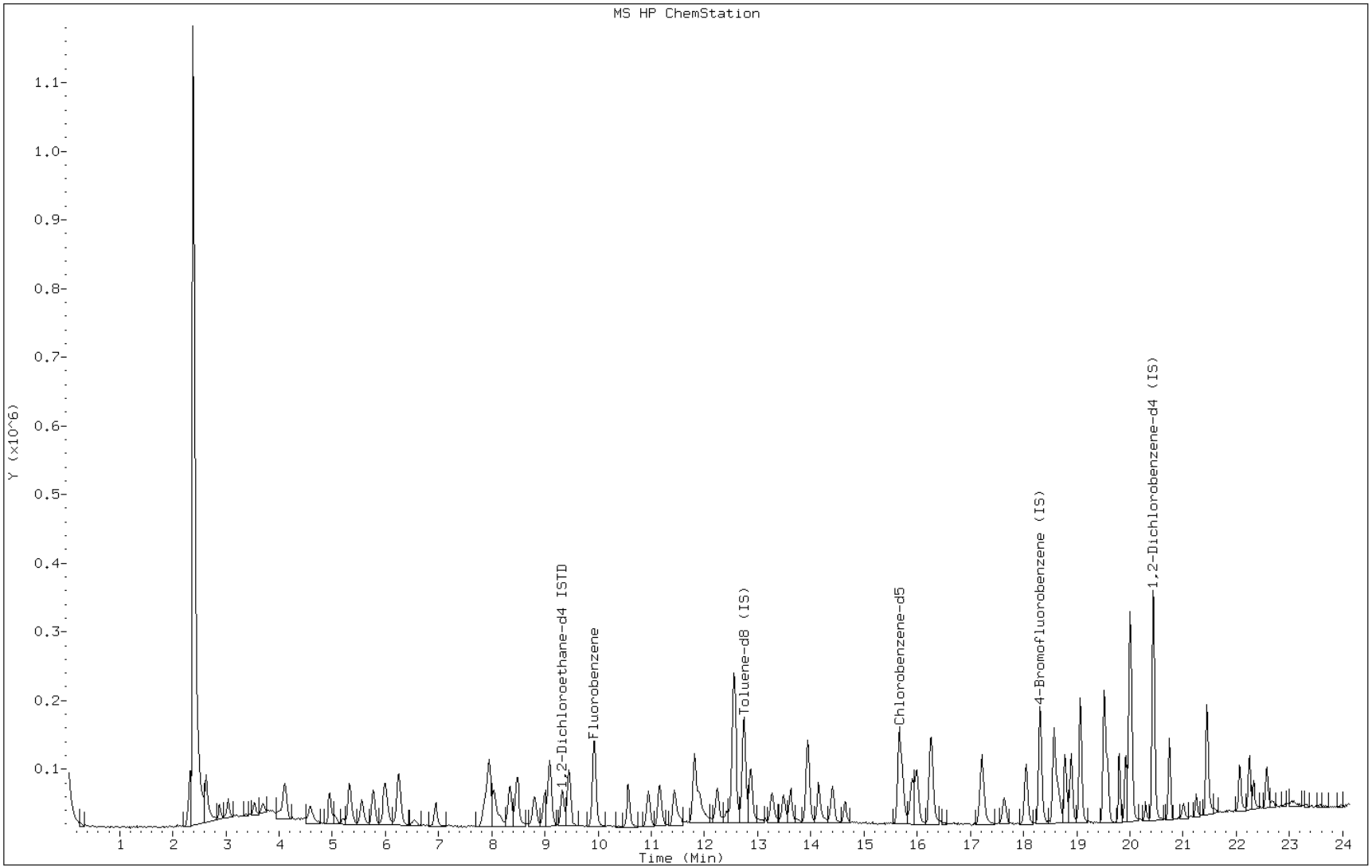
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
M	62 Xylene (total)	106				166491	3.28324	3.3
	63 Styrene	104	17.231	17.232	(1.100)	92085	1.09019	1.1
	64 Bromoform	173	17.632	17.633	(1.126)	49212	0.99076	0.99
	65 Isopropylbenzene	105	18.050	18.051	(1.152)	157495	1.10417	1.1
*	66 4-Bromofluorobenzene (IS)	95	18.312	18.312	(1.000)	156963	2.00000	
	67 Bromobenzene	156	18.573	18.574	(1.186)	51256	1.08915	1.1
	68 1,1,2,2-Tetrachloroethane	83	18.573	18.574	(1.186)	71524	1.07711	1.1
	69 1,2,3-Trichloropropane	110	18.643	18.626	(1.190)	16047	1.10495	1.1
	70 trans-1,4-Dichloro-2-butene	53	18.677	18.678	(1.192)	12090	0.98447	0.98
	71 n-Propylbenzene	120	18.782	18.783	(1.199)	34834	1.04653	1.0(Q)
	72 2-Chlorotoluene	126	18.904	18.905	(1.207)	38512	1.12295	1.1
	73 1,3,5-Trimethylbenzene	105	19.061	19.061	(1.217)	105472	1.08142	1.1
	74 4-Chlorotoluene	126	19.061	19.061	(1.217)	35782	1.08644	1.1(Q)
	75 tert-Butylbenzene	134	19.514	19.515	(1.246)	29476	1.02347	1.0
	76 Pentachloroethane	167	19.531	19.515	(1.247)	37722	1.05407	1.1
	77 1,2,4-Trimethylbenzene	105	19.584	19.584	(1.250)	97879	1.10741	1.1
	78 sec-Butylbenzene	105	19.810	19.793	(1.265)	147938	1.05927	1.1
	79 1,3-Dichlorobenzene	146	19.932	19.915	(1.273)	77024	1.06896	1.1
	80 p-Isopropyltoluene	119	19.984	19.985	(1.276)	105590	1.04124	1.0
*	81 1,4-Dichlorobenzene-d4	152	20.002	20.002	(1.000)	105351	2.00000	
	82 1,4-Dichlorobenzene	146	20.037	20.037	(1.279)	80740	1.08944	1.1
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.437	20.438	(1.000)	101216	2.00000	
	84 1,2-Dichlorobenzene	146	20.455	20.455	(1.306)	73255	1.08664	1.1
	85 n-Butylbenzene	91	20.455	20.455	(1.306)	93076	1.04915	1.0
	86 Hexachloroethane	117	20.734	20.734	(1.324)	48102	0.97552	0.98
	87 1,2-Dibromo-3-Chloropropane	155	21.239	21.240	(1.356)	12217	1.09034	1.1
	88 1,3,5 Trichlorobenzene	180	21.465	21.449	(1.370)	50683	1.03630	1.0
	89 Nitrobenzene	77	21.448	21.431	(1.369)	104732	38.8724	39
	90 1,2,4-Trichlorobenzene	180	22.075	22.059	(1.409)	44277	1.09333	1.1
	91 Hexachlorobutadiene	225	22.250	22.233	(1.421)	31610	1.13028	1.1
	92 Naphthalene	128	22.319	22.320	(1.425)	70065	1.07048	1.1
	93 1,2,3-Trichlorobenzene	180	22.581	22.564	(1.442)	39528	1.09613	1.1

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: lkrb04.d
Client ID:
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: LCS
Lab Sample ID: LCS

Date: 14-OCT-2014 09:28
Instrument: L.i
Inj Vol: 5.0
Diameter: 0.53



Manual Integration Report

Data File: lkrb04.d
Lab Sample ID: LCS
Inj. Date and Time: 14-OCT-2014 09:28
Instrument ID: L.i
Client ID:
Compound: 16 Acrylonitrile
CAS #: 107-13-1
Report Date: 10/15/2014

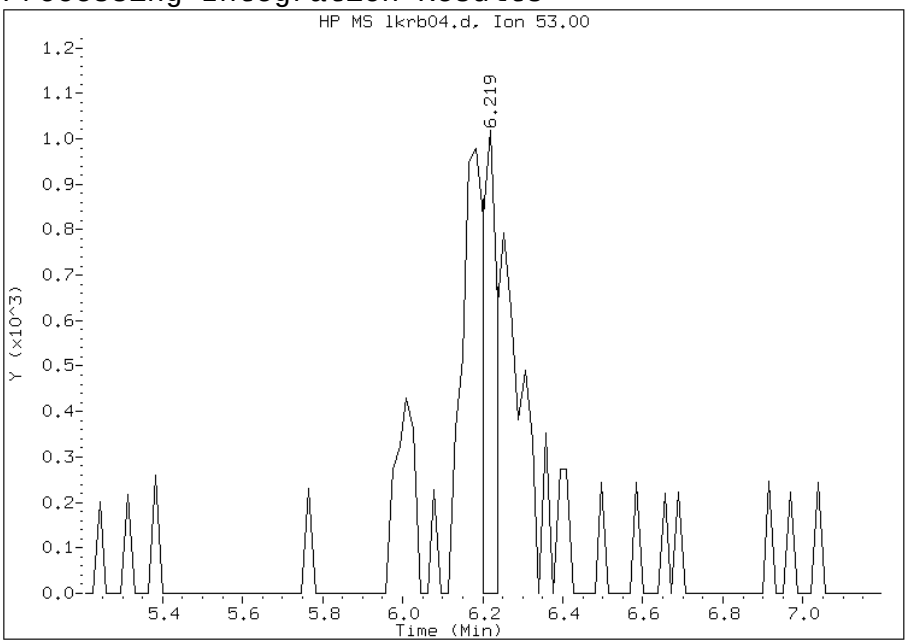
Processing Integration Results

RT: 6.22

Response: 2592

Amount: 0.317734

Conc: 0.317734



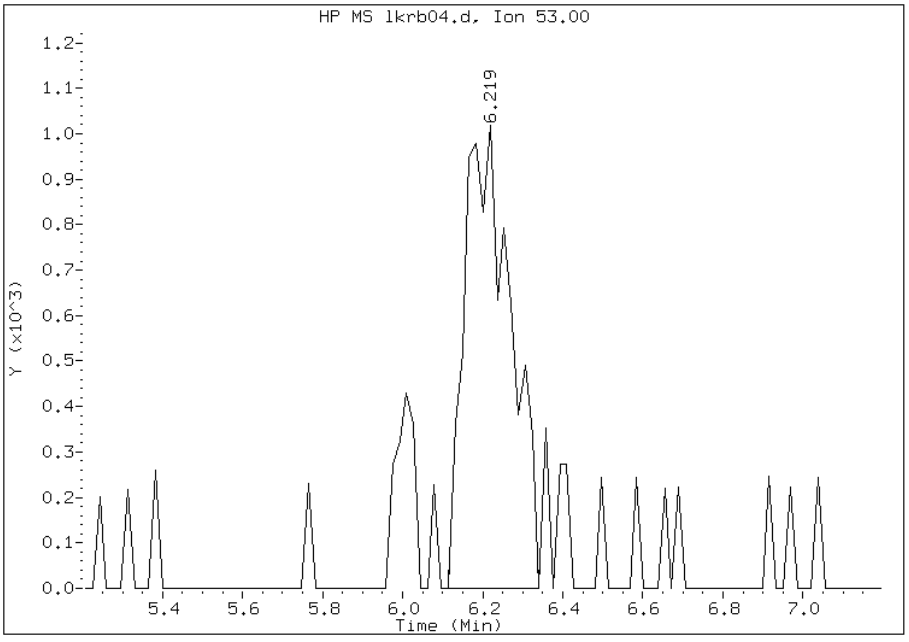
Manual Integration Results

RT: 6.22

Response: 8277

Amount: 1.01

Conc: 1.01



File Uploaded By: mtp
Manual Integration Reason: Baseline event

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 MS | Lab Sample ID: 200-24551-10 MS

Matrix: Water | Lab File ID: lkrb08.d

Analysis Method: 524.2 | Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2014 11:38

Soil Aliquot Vol: | Dilution Factor: 4.2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 78697 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	14.7		2.1	0.38
74-87-3	Chloromethane	13.7		2.1	0.50
75-01-4	Vinyl chloride	13.1		2.1	0.32
74-83-9	Bromomethane	12.4		2.1	0.84
75-00-3	Chloroethane	9.75		2.1	0.92
75-69-4	Trichlorofluoromethane	12.1		2.1	0.42
60-29-7	Diethyl ether	9.96		2.1	0.28
75-35-4	1,1-Dichloroethene	11.0		2.1	0.31
67-64-1	Acetone	65.3		21	3.5
74-88-4	Methyl iodide	9.43		2.1	0.55
75-15-0	Carbon disulfide	10.7		2.1	0.50
107-05-1	Allyl chloride	8.70		2.1	0.42
75-09-2	Methylene Chloride	13.3		2.1	0.35
107-13-1	Acrylonitrile	11.7		2.1	0.67
75-65-0	t-Butyl alcohol	535		210	18
156-60-5	trans-1,2-Dichloroethene	12.0		2.1	0.30
1634-04-4	Methyl t-butyl ether	12.6		2.1	0.34
75-34-3	1,1-Dichloroethane	10.9		2.1	0.39
156-59-2	cis-1,2-Dichloroethene	100		2.1	0.37
594-20-7	2,2-Dichloropropane	11.5		2.1	0.67
78-93-3	2-Butanone	62.8		21	0.67
107-12-0	Propionitrile	518		110	12
96-33-3	Methyl acrylate	10.3		2.1	0.55
126-98-7	Methacrylonitrile	10.5		2.1	0.34
74-97-5	Bromochloromethane	11.0		2.1	0.32
109-99-9	Tetrahydrofuran	52.5		11	2.2
67-66-3	Chloroform	10.5		2.1	0.36
71-55-6	1,1,1-Trichloroethane	10.6		2.1	0.39
109-69-3	1-Chlorobutane	10.2		2.1	0.42
56-23-5	Carbon tetrachloride	10.3		2.1	0.50
563-58-6	1,1-Dichloropropene	11.2		2.1	0.50
71-43-2	Benzene	10.5		2.1	0.42
107-06-2	1,2-Dichloroethane	10.6		2.1	0.39
79-01-6	Trichloroethene	31.5		2.1	0.42
78-87-5	1,2-Dichloropropane	11.3		2.1	0.37
74-95-3	Dibromomethane	11.0		2.1	0.38

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 MS | Lab Sample ID: 200-24551-10 MS

Matrix: Water | Lab File ID: lkrb08.d

Analysis Method: 524.2 | Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2014 11:38

Soil Aliquot Vol: | Dilution Factor: 4.2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 78697 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
80-62-6	Methyl methacrylate	9.71		2.1	1.1
75-27-4	Bromodichloromethane	10.2		2.1	0.42
79-46-9	2-Nitropropane	208		42	5.5
107-14-2	Chloroacetonitrile	518		110	17
10061-01-5	cis-1,3-Dichloropropene	10.2		2.1	0.50
108-10-1	4-Methyl-2-pentanone (MIBK)	53.7		11	1.3
513-88-2	1,1-Dichloro-2-propanone	214		42	4.6
108-88-3	Toluene	10.4		2.1	0.42
10061-02-6	trans-1,3-Dichloropropene	10.2		2.1	0.34
97-63-2	Ethyl methacrylate	10.1		2.1	0.31
79-00-5	1,1,2-Trichloroethane	11.0		2.1	0.29
127-18-4	Tetrachloroethene	10.6		2.1	0.37
142-28-9	1,3-Dichloropropane	10.0		2.1	0.42
591-78-6	2-Hexanone	55.1		11	1.7
124-48-1	Dibromochloromethane	10.4		2.1	0.34
106-93-4	1,2-Dibromoethane	10.6		2.1	0.30
108-90-7	Chlorobenzene	10.6		2.1	0.39
630-20-6	1,1,1,2-Tetrachloroethane	10.8		2.1	0.42
100-41-4	Ethylbenzene	10.4		2.1	0.42
179601-23-1	m&p-Xylene	21.0		2.1	0.84
95-47-6	o-Xylene	10.6		2.1	0.39
100-42-5	Styrene	10.3		2.1	0.32
75-25-2	Bromoform	10.2		2.1	0.28
98-82-8	Isopropylbenzene	10.6		2.1	0.42
108-86-1	Bromobenzene	10.4		2.1	0.35
79-34-5	1,1,2,2-Tetrachloroethane	10.8		2.1	0.33
96-18-4	1,2,3-Trichloropropane	11.0		2.1	0.42
110-57-6	trans-1,4-Dichloro-2-butene	9.03		2.1	0.50
103-65-1	n-Propylbenzene	10.0		2.1	0.42
95-49-8	2-Chlorotoluene	10.5		2.1	0.42
106-43-4	4-Chlorotoluene	10.7		2.1	0.42
108-67-8	1,3,5-Trimethylbenzene	10.3		2.1	0.42
98-06-6	tert-Butylbenzene	10.3		2.1	0.37
76-01-7	Pentachloroethane	10.2		2.1	0.37
95-63-6	1,2,4-Trimethylbenzene	10.4		2.1	0.42
135-98-8	sec-Butylbenzene	10.4		2.1	0.38

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 MS Lab Sample ID: 200-24551-10 MS

Matrix: Water Lab File ID: lkrb08.d

Analysis Method: 524.2 Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2014 11:38

Soil Aliquot Vol: Dilution Factor: 4.2

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78697 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	10.4		2.1	0.46
99-87-6	p-Isopropyltoluene	10.3		2.1	0.38
106-46-7	1,4-Dichlorobenzene	10.3		2.1	0.42
95-50-1	1,2-Dichlorobenzene	10.3		2.1	0.34
104-51-8	n-Butylbenzene	10.0		2.1	0.55
67-72-1	Hexachloroethane	9.77		2.1	0.50
96-12-8	1,2-Dibromo-3-Chloropropane	10.3		2.1	0.42
98-95-3	Nitrobenzene	420		110	15
108-70-3	1,3,5-Trichlorobenzene	10.5		2.1	0.42
120-82-1	1,2,4-Trichlorobenzene	10.4		2.1	0.35
87-68-3	Hexachlorobutadiene	10.6		2.1	0.37
91-20-3	Naphthalene	10.1		2.1	0.26
87-61-6	1,2,3-Trichlorobenzene	10.3		2.1	0.42

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-24551-10 MS
Client Smp ID: PW-52MS
Inj Date : 14-OCT-2014 11:38
Operator : MTP Inst ID: L.i
Smp Info : 200-24551-B-10 MS
Misc Info : 4.2,5
Comment :
Method : /chem/L.i/Lsvr.p/lkrb524.b/524v1.m
Meth Date : 14-Oct-2014 09:41 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 16:32 Cal File: lkr04.d
Als bottle: 8 QC Sample: MS
Dil Factor: 4.20000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	4.20000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	2.629	2.647	(0.265)	161007	3.50091	15(R)
2 Chloromethane	50	2.890	2.891	(0.292)	88737	3.25793	14(R)
3 Vinyl Chloride	62	3.047	3.048	(0.307)	102677	3.12372	13(R)
4 Bromomethane	94	3.535	3.553	(0.357)	37770	2.94985	12(R)
5 Chloroethane	64	3.709	3.710	(0.374)	49146	2.32226	9.8(R)
6 Trichlorofluoromethane	101	4.110	4.128	(0.415)	172869	2.87645	12(R)
7 Diethyl Ether	59	4.598	4.599	(0.464)	48518	2.37204	10(R)
8 1,1-Dichloroethene	96	4.964	4.982	(0.501)	83277	2.62978	11(R)
9 Acetone	43	5.051	5.052	(0.510)	89059	15.5459	65(R)
10 Methyl Iodide	142	5.208	5.209	(0.525)	44971	2.24468	9.4(R)
11 Carbon Disulfide	76	5.312	5.331	(0.536)	199731	2.53650	11(R)
12 Allyl Chloride	41	5.556	5.575	(0.561)	138349	2.07090	8.7(R)
13 Methylene Chloride	84	5.765	5.784	(0.582)	102957	3.16111	13(R)
14 t-Butyl Alcohol	59	6.009	6.010	(0.606)	245323	127.434	540(R)

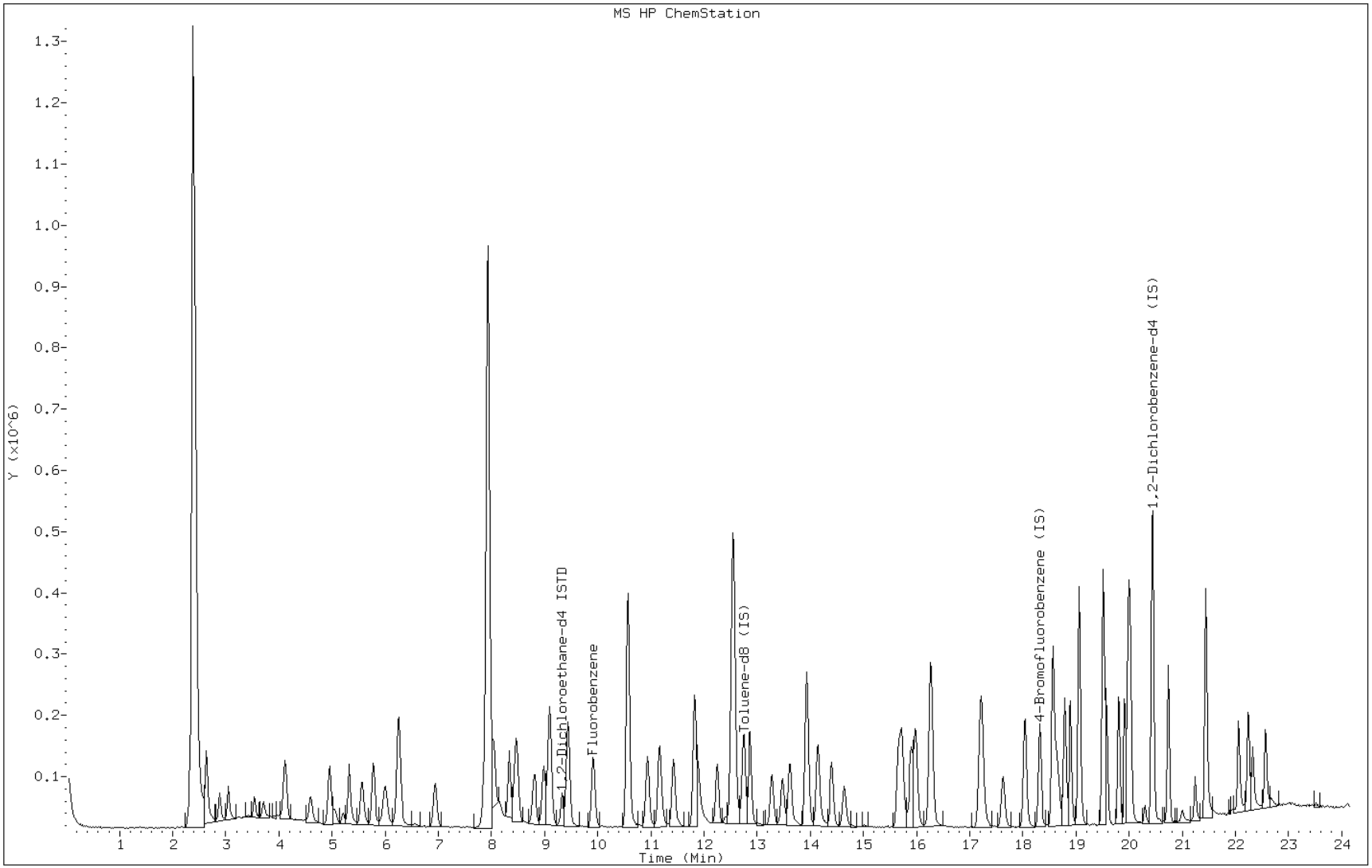
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 trans-1,2-Dichloroethene	96	6.236	6.254	(0.629)	97560	2.85645	12(R)
	16 Acrylonitrile	53	6.183	6.202	(0.624)	20331	2.79083	12(QR)
	17 Methyl-t-Butyl Ether	73	6.253	6.272	(0.631)	203078	2.99524	13(R)
	18 1,1-Dichloroethane	63	6.950	6.951	(0.701)	184768	2.59547	11(R)
	19 2,2-Dichloropropane	77	7.943	7.944	(0.801)	144842	2.74581	12(R)
	20 cis-1,2-Dichloroethene	96	7.943	7.944	(0.801)	853870	23.9201	100(R)
	21 2-Butanone	72	7.978	7.979	(0.805)	34843	14.9630	63(R)
	22 Propionitrile	54	8.048	8.049	(0.812)	324338	123.424	520(R)
	23 Methyl Acrylate	55	8.152	8.154	(0.822)	77870	2.45295	10(R)
	24 Bromochloromethane	128	8.344	8.345	(0.842)	55307	2.61006	11(R)
	25 Methacrylonitrile	67	8.327	8.310	(0.840)	21635	2.49901	10(R)
	26 Tetrahydrofuran	42	8.449	8.450	(0.852)	116726	12.4942	52(R)
	27 Chloroform	83	8.483	8.485	(0.856)	173071	2.50882	11(R)
	28 1,1,1-Trichloroethane	97	8.815	8.816	(0.889)	142976	2.51783	11(R)
	29 1-Chlorobutane	56	8.989	8.990	(0.907)	180973	2.43477	10(R)
	30 Carbon Tetrachloride	117	9.093	9.112	(0.917)	129446	2.44894	10(R)
	31 1,1-Dichloropropene	75	9.093	9.095	(0.917)	140952	2.66410	11(R)
*	32 1,2-Dichloroethane-d4 ISTD	65	9.320	9.338	(1.000)	70161	2.00000	
	33 Benzene	78	9.442	9.443	(0.953)	253725	2.50581	11(R)
	34 1,2-Dichloroethane	62	9.459	9.460	(0.954)	87526	2.52150	11(R)
*	35 Fluorobenzene	96	9.912	9.931	(1.000)	243963	2.00000	
	36 Trichloroethene	95	10.574	10.576	(1.067)	324418	7.49588	31(R)
	37 1,2-Dichloropropane	63	10.940	10.942	(1.104)	120209	2.69999	11(R)
	38 Dibromomethane	93	11.149	11.151	(1.125)	87808	2.60735	11(R)
	39 Methyl Methacrylate	69	11.184	11.185	(1.128)	54515	2.31293	9.7(R)
	40 Bromodichloromethane	83	11.428	11.429	(1.153)	169592	2.43088	10(R)
	41 2-Nitropropane	41	11.812	11.813	(1.192)	351674	49.6048	210(R)
	42 Chloroacetonitrile	75	11.899	11.900	(1.200)	152046	123.371	520(R)
	43 cis-1,3-Dichloropropene	75	12.247	12.248	(1.236)	150381	2.44009	10(R)
	44 4-Methyl-2-Pentanone	58	12.526	12.527	(1.264)	164847	12.7743	54(R)
	45 1,1-Dichloropropanone	83	12.561	12.562	(1.267)	40908	50.8780	210(R)
*	46 Toluene-d8 (IS)	98	12.753	12.754	(1.000)	231750	2.00000	
	47 Toluene	92	12.875	12.876	(1.299)	163243	2.48659	10(R)
	48 trans-1,3-Dichloropropene	75	13.275	13.276	(1.339)	113633	2.43685	10(R)
	49 Ethyl Methacrylate	69	13.484	13.486	(1.360)	114610	2.40918	10(R)
	50 1,1,2-Trichloroethane	83	13.606	13.625	(1.373)	81279	2.63046	11(R)
	51 Tetrachloroethene	166	13.937	13.939	(1.406)	139971	2.52912	11(R)
	52 1,3-Dichloropropane	76	13.955	13.956	(1.408)	140562	2.38536	10(R)
	53 2-Hexanone	43	14.147	14.148	(1.427)	320006	13.1106	55(R)
	54 Dibromochloromethane	129	14.408	14.409	(0.920)	144318	2.48301	10(R)
	55 1,2-Dibromoethane	107	14.634	14.636	(0.934)	127224	2.51789	11(R)
*	56 Chlorobenzene-d5	117	15.663	15.664	(1.000)	182530	2.00000	
	57 Chlorobenzene	112	15.715	15.733	(1.003)	201749	2.51560	11(R)
	58 1,1,1,2-Tetrachloroethane	131	15.906	15.908	(1.016)	106291	2.56034	11(R)
	59 Ethylbenzene	91	15.994	15.995	(1.021)	326482	2.47631	10(R)
	60 m- & p-Xylene	106	16.255	16.274	(1.038)	231273	5.00079	21(R)
	61 o-Xylene	106	17.196	17.197	(1.098)	112468	2.52025	11(R)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
M	62 Xylene (total)	106				343741	7.52104	32(R)
	63 Styrene	104	17.231	17.232	(1.100)	187201	2.45835	10(R)
	64 Bromoform	173	17.632	17.633	(1.126)	108871	2.43127	10(R)
	65 Isopropylbenzene	105	18.050	18.051	(1.152)	323089	2.51256	11(R)
*	66 4-Bromofluorobenzene (IS)	95	18.311	18.312	(1.000)	151460	2.00000	
	67 Bromobenzene	156	18.572	18.574	(1.186)	104822	2.47069	10(R)
	68 1,1,2,2-Tetrachloroethane	83	18.572	18.574	(1.186)	153398	2.56242	11(R)
	69 1,2,3-Trichloropropane	110	18.642	18.626	(1.190)	34177	2.61040	11(R)
	70 trans-1,4-Dichloro-2-butene	53	18.677	18.678	(1.192)	23796	2.14935	9.0(R)
	71 n-Propylbenzene	120	18.782	18.783	(1.199)	71694	2.38922	10(R)
	72 2-Chlorotoluene	126	18.904	18.905	(1.207)	77508	2.50690	11(R)
	73 1,3,5-Trimethylbenzene	105	19.060	19.061	(1.217)	216160	2.45842	10(R)
	74 4-Chlorotoluene	126	19.060	19.061	(1.217)	75723	2.55031	11(R)
	75 tert-Butylbenzene	134	19.513	19.515	(1.246)	63799	2.45723	10(R)
	76 Pentachloroethane	167	19.531	19.515	(1.247)	78543	2.43449	10(R)
	77 1,2,4-Trimethylbenzene	105	19.583	19.584	(1.250)	197052	2.47299	10(R)
	78 sec-Butylbenzene	105	19.792	19.793	(1.264)	312446	2.48156	10(R)
	79 1,3-Dichlorobenzene	146	19.932	19.915	(1.273)	161412	2.48481	10(R)
	80 p-Isopropyltoluene	119	19.984	19.985	(1.276)	223764	2.44762	10(R)
*	81 1,4-Dichlorobenzene-d4	152	20.001	20.002	(1.000)	96046	2.00000	
	82 1,4-Dichlorobenzene	146	20.036	20.037	(1.279)	164331	2.45957	10(R)
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.437	20.438	(1.000)	101262	2.00000	
	84 1,2-Dichlorobenzene	146	20.454	20.455	(1.306)	149210	2.45511	10(R)
	85 n-Butylbenzene	91	20.454	20.455	(1.306)	190750	2.38500	10(R)
	86 Hexachloroethane	117	20.733	20.734	(1.324)	103442	2.32698	9.8(R)
	87 1,2-Dibromo-3-Chloropropane	155	21.238	21.240	(1.356)	24864	2.46145	10(R)
	88 1,3,5 Trichlorobenzene	180	21.465	21.449	(1.370)	110288	2.50136	11(R)
	89 Nitrobenzene	77	21.448	21.431	(1.369)	242752	99.9423	420(R)
	90 1,2,4-Trichlorobenzene	180	22.057	22.059	(1.408)	90235	2.47157	10(R)
	91 Hexachlorobutadiene	225	22.249	22.233	(1.421)	63784	2.52987	11(R)
	92 Naphthalene	128	22.319	22.320	(1.425)	141810	2.40330	10(R)
	93 1,2,3-Trichlorobenzene	180	22.580	22.564	(1.442)	79478	2.44472	10(R)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File:	lkrb08.d	Date:	14-OCT-2014 11:38
Client ID:	PW-52MS	Instrument:	L.i
Operator:	MTP	Inj Vol:	5.0
Column Type:	Capillary	Diameter:	0.53
Stationary Phase:	DB-624		
Sample Info:	200-24551-B-10 MS		
Lab Sample ID:	200-24551-10 MS		



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 DU | Lab Sample ID: 200-24551-10 DU

Matrix: Water | Lab File ID: lkrb07.d

Analysis Method: 524.2 | Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2014 11:06

Soil Aliquot Vol: | Dilution Factor: 4.2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 78697 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	2.1	U	2.1	0.38
74-87-3	Chloromethane	2.1	U	2.1	0.50
75-01-4	Vinyl chloride	2.1	U	2.1	0.32
74-83-9	Bromomethane	2.1	U	2.1	0.84
75-00-3	Chloroethane	2.1	U	2.1	0.92
75-69-4	Trichlorofluoromethane	2.1	U	2.1	0.42
60-29-7	Diethyl ether	2.1	U	2.1	0.28
75-35-4	1,1-Dichloroethene	2.1	U	2.1	0.31
67-64-1	Acetone	21	U	21	3.5
74-88-4	Methyl iodide	2.1	U	2.1	0.55
75-15-0	Carbon disulfide	2.1	U	2.1	0.50
107-05-1	Allyl chloride	2.1	U	2.1	0.42
75-09-2	Methylene Chloride	2.1	U	2.1	0.35
107-13-1	Acrylonitrile	2.1	U	2.1	0.67
75-65-0	t-Butyl alcohol	210	U	210	18
156-60-5	trans-1,2-Dichloroethene	2.1	U	2.1	0.30
1634-04-4	Methyl t-butyl ether	2.1	U	2.1	0.34
75-34-3	1,1-Dichloroethane	2.1	U	2.1	0.39
156-59-2	cis-1,2-Dichloroethene	78.7		2.1	0.37
594-20-7	2,2-Dichloropropane	2.1	U	2.1	0.67
78-93-3	2-Butanone	21	U	21	0.67
107-12-0	Propionitrile	110	U	110	12
96-33-3	Methyl acrylate	2.1	U	2.1	0.55
126-98-7	Methacrylonitrile	2.1	U	2.1	0.34
74-97-5	Bromochloromethane	2.1	U	2.1	0.32
109-99-9	Tetrahydrofuran	11	U	11	2.2
67-66-3	Chloroform	2.1	U	2.1	0.36
71-55-6	1,1,1-Trichloroethane	2.1	U	2.1	0.39
109-69-3	1-Chlorobutane	2.1	U	2.1	0.42
56-23-5	Carbon tetrachloride	2.1	U	2.1	0.50
563-58-6	1,1-Dichloropropene	2.1	U	2.1	0.50
71-43-2	Benzene	2.1	U	2.1	0.42
107-06-2	1,2-Dichloroethane	2.1	U	2.1	0.39
79-01-6	Trichloroethene	18.8		2.1	0.42
78-87-5	1,2-Dichloropropane	2.1	U	2.1	0.37
74-95-3	Dibromomethane	2.1	U	2.1	0.38

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 DU | Lab Sample ID: 200-24551-10 DU

Matrix: Water | Lab File ID: lkrb07.d

Analysis Method: 524.2 | Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2014 11:06

Soil Aliquot Vol: | Dilution Factor: 4.2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 78697 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
80-62-6	Methyl methacrylate	2.1	U	2.1	1.1
75-27-4	Bromodichloromethane	2.1	U	2.1	0.42
79-46-9	2-Nitropropane	42	U	42	5.5
107-14-2	Chloroacetonitrile	110	U	110	17
10061-01-5	cis-1,3-Dichloropropene	2.1	U	2.1	0.50
108-10-1	4-Methyl-2-pentanone (MIBK)	11	U	11	1.3
513-88-2	1,1-Dichloro-2-propanone	42	U	42	4.6
108-88-3	Toluene	2.1	U	2.1	0.42
10061-02-6	trans-1,3-Dichloropropene	2.1	U	2.1	0.34
97-63-2	Ethyl methacrylate	2.1	U	2.1	0.31
79-00-5	1,1,2-Trichloroethane	2.1	U	2.1	0.29
127-18-4	Tetrachloroethene	2.1	U	2.1	0.37
142-28-9	1,3-Dichloropropane	2.1	U	2.1	0.42
591-78-6	2-Hexanone	11	U	11	1.7
124-48-1	Dibromochloromethane	2.1	U	2.1	0.34
106-93-4	1,2-Dibromoethane	2.1	U	2.1	0.30
108-90-7	Chlorobenzene	2.1	U	2.1	0.39
630-20-6	1,1,1,2-Tetrachloroethane	2.1	U	2.1	0.42
100-41-4	Ethylbenzene	2.1	U	2.1	0.42
179601-23-1	m&p-Xylene	2.1	U	2.1	0.84
95-47-6	o-Xylene	2.1	U	2.1	0.39
100-42-5	Styrene	2.1	U	2.1	0.32
75-25-2	Bromoform	2.1	U	2.1	0.28
98-82-8	Isopropylbenzene	2.1	U	2.1	0.42
108-86-1	Bromobenzene	2.1	U	2.1	0.35
79-34-5	1,1,2,2-Tetrachloroethane	2.1	U	2.1	0.33
96-18-4	1,2,3-Trichloropropane	2.1	U	2.1	0.42
110-57-6	trans-1,4-Dichloro-2-butene	2.1	U	2.1	0.50
103-65-1	n-Propylbenzene	2.1	U	2.1	0.42
95-49-8	2-Chlorotoluene	2.1	U	2.1	0.42
106-43-4	4-Chlorotoluene	2.1	U	2.1	0.42
108-67-8	1,3,5-Trimethylbenzene	2.1	U	2.1	0.42
98-06-6	tert-Butylbenzene	2.1	U	2.1	0.37
76-01-7	Pentachloroethane	2.1	U	2.1	0.37
95-63-6	1,2,4-Trimethylbenzene	2.1	U	2.1	0.42
135-98-8	sec-Butylbenzene	2.1	U	2.1	0.38

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 DU | Lab Sample ID: 200-24551-10 DU

Matrix: Water | Lab File ID: lkrb07.d

Analysis Method: 524.2 | Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2014 11:06

Soil Aliquot Vol: | Dilution Factor: 4.2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 78697 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	2.1	U	2.1	0.46
99-87-6	p-Isopropyltoluene	2.1	U	2.1	0.38
106-46-7	1,4-Dichlorobenzene	2.1	U	2.1	0.42
95-50-1	1,2-Dichlorobenzene	2.1	U	2.1	0.34
104-51-8	n-Butylbenzene	2.1	U	2.1	0.55
67-72-1	Hexachloroethane	2.1	U	2.1	0.50
96-12-8	1,2-Dibromo-3-Chloropropane	2.1	U	2.1	0.42
98-95-3	Nitrobenzene	110	U	110	15
108-70-3	1,3,5-Trichlorobenzene	2.1	U	2.1	0.42
120-82-1	1,2,4-Trichlorobenzene	2.1	U	2.1	0.35
87-68-3	Hexachlorobutadiene	2.1	U	2.1	0.37
91-20-3	Naphthalene	2.1	U	2.1	0.26
87-61-6	1,2,3-Trichlorobenzene	2.1	U	2.1	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 DU Lab Sample ID: 200-24551-10 DU

Matrix: Water Lab File ID: lkrb07.d

Analysis Method: 524.2 Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2014 11:06

Soil Aliquot Vol: Dilution Factor: 4.2

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78697 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-24551-10 DU
Client Smp ID: PW-52DU
Inj Date : 14-OCT-2014 11:06
Operator : MTP Inst ID: L.i
Smp Info : 200-24551-B-10 DU
Misc Info : 4.2,5
Comment :
Method : /chem/L.i/Lsvr.p/lkrb524.b/524v1.m
Meth Date : 14-Oct-2014 09:41 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 16:32 Cal File: lkr04.d
Als bottle: 7
Dil Factor: 4.20000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	4.20000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Diethyl Ether	59	Compound Not Detected.					
8 1,1-Dichloroethene	96	Compound Not Detected.					
9 Acetone	43	Compound Not Detected.					
10 Methyl Iodide	142	Compound Not Detected.					
11 Carbon Disulfide	76	Compound Not Detected.					
12 Allyl Chloride	41	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 t-Butyl Alcohol	59	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	16 Acrylonitrile	53	Compound Not Detected.					
	17 Methyl-t-Butyl Ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	Compound Not Detected.					
	19 2,2-Dichloropropane	77	Compound Not Detected.					
	20 cis-1,2-Dichloroethene	96	7.933	7.944	(0.800)	758501	18.7463	79
	21 2-Butanone	72	Compound Not Detected.					
	22 Propionitrile	54	Compound Not Detected.					
	23 Methyl Acrylate	55	Compound Not Detected.					
	24 Bromochloromethane	128	Compound Not Detected.					
	25 Methacrylonitrile	67	Compound Not Detected.					
	26 Tetrahydrofuran	42	Compound Not Detected.					
	27 Chloroform	83	Compound Not Detected.					
	28 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1-Chlorobutane	56	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
	31 1,1-Dichloropropene	75	Compound Not Detected.					
*	32 1,2-Dichloroethane-d4 ISTD	65	9.327	9.338	(1.000)	66327	2.00000	
	33 Benzene	78	Compound Not Detected.					
	34 1,2-Dichloroethane	62	Compound Not Detected.					
*	35 Fluorobenzene	96	9.919	9.931	(1.000)	276526	2.00000	
	36 Trichloroethene	95	10.564	10.576	(1.065)	219025	4.46477	19
	37 1,2-Dichloropropane	63	Compound Not Detected.					
	38 Dibromomethane	93	Compound Not Detected.					
	39 Methyl Methacrylate	69	Compound Not Detected.					
	40 Bromodichloromethane	83	Compound Not Detected.					
	41 2-Nitropropane	41	Compound Not Detected.					
	42 Chloroacetonitrile	75	Compound Not Detected.					
	43 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	44 4-Methyl-2-Pentanone	58	Compound Not Detected.					
	45 1,1-Dichloropropanone	83	Compound Not Detected.					
*	46 Toluene-d8 (IS)	98	12.742	12.754	(1.000)	223347	2.00000	
	47 Toluene	92	Compound Not Detected.					
	48 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	49 Ethyl Methacrylate	69	Compound Not Detected.					
	50 1,1,2-Trichloroethane	83	Compound Not Detected.					
	51 Tetrachloroethene	166	Compound Not Detected.					
	52 1,3-Dichloropropane	76	Compound Not Detected.					
	53 2-Hexanone	43	Compound Not Detected.					
	54 Dibromochloromethane	129	Compound Not Detected.					
	55 1,2-Dibromoethane	107	Compound Not Detected.					
*	56 Chlorobenzene-d5	117	15.669	15.664	(1.000)	205434	2.00000	
	57 Chlorobenzene	112	Compound Not Detected.					
	58 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	59 Ethylbenzene	91	Compound Not Detected.					
	60 m- & p-Xylene	106	Compound Not Detected.					
	61 o-Xylene	106	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
M	62 Xylene (total)	106	Compound Not Detected.					
	63 Styrene	104	Compound Not Detected.					
	64 Bromoform	172	Compound Not Detected.					
	65 Isopropylbenzene	105	Compound Not Detected.					
*	66 4-Bromofluorobenzene (IS)	95	18.318	18.312	(1.000)	140251	2.00000	
	67 Bromobenzene	156	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,2,3-Trichloropropane	110	Compound Not Detected.					
	70 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.					
	71 n-Propylbenzene	120	Compound Not Detected.					
	72 2-Chlorotoluene	126	Compound Not Detected.					
	73 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	74 4-Chlorotoluene	126	Compound Not Detected.					
	75 tert-Butylbenzene	134	Compound Not Detected.					
	76 Pentachloroethane	167	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	78 sec-Butylbenzene	105	Compound Not Detected.					
	79 1,3-Dichlorobenzene	146	Compound Not Detected.					
	80 p-Isopropyltoluene	119	Compound Not Detected.					
*	81 1,4-Dichlorobenzene-d4	152	20.008	20.002	(1.000)	99711	2.00000	
	82 1,4-Dichlorobenzene	146	Compound Not Detected.					
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.444	20.438	(1.000)	91202	2.00000	
	84 1,2-Dichlorobenzene	146	Compound Not Detected.					
	85 n-Butylbenzene	91	Compound Not Detected.					
	86 Hexachloroethane	117	Compound Not Detected.					
	87 1,2-Dibromo-3-Chloropropane	155	Compound Not Detected.					
	88 1,3,5 Trichlorobenzene	180	Compound Not Detected.					
	89 Nitrobenzene	77	Compound Not Detected.					
	90 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	91 Hexachlorobutadiene	224	Compound Not Detected.					
	92 Naphthalene	128	Compound Not Detected.					
	93 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

TestAmerica Burlington

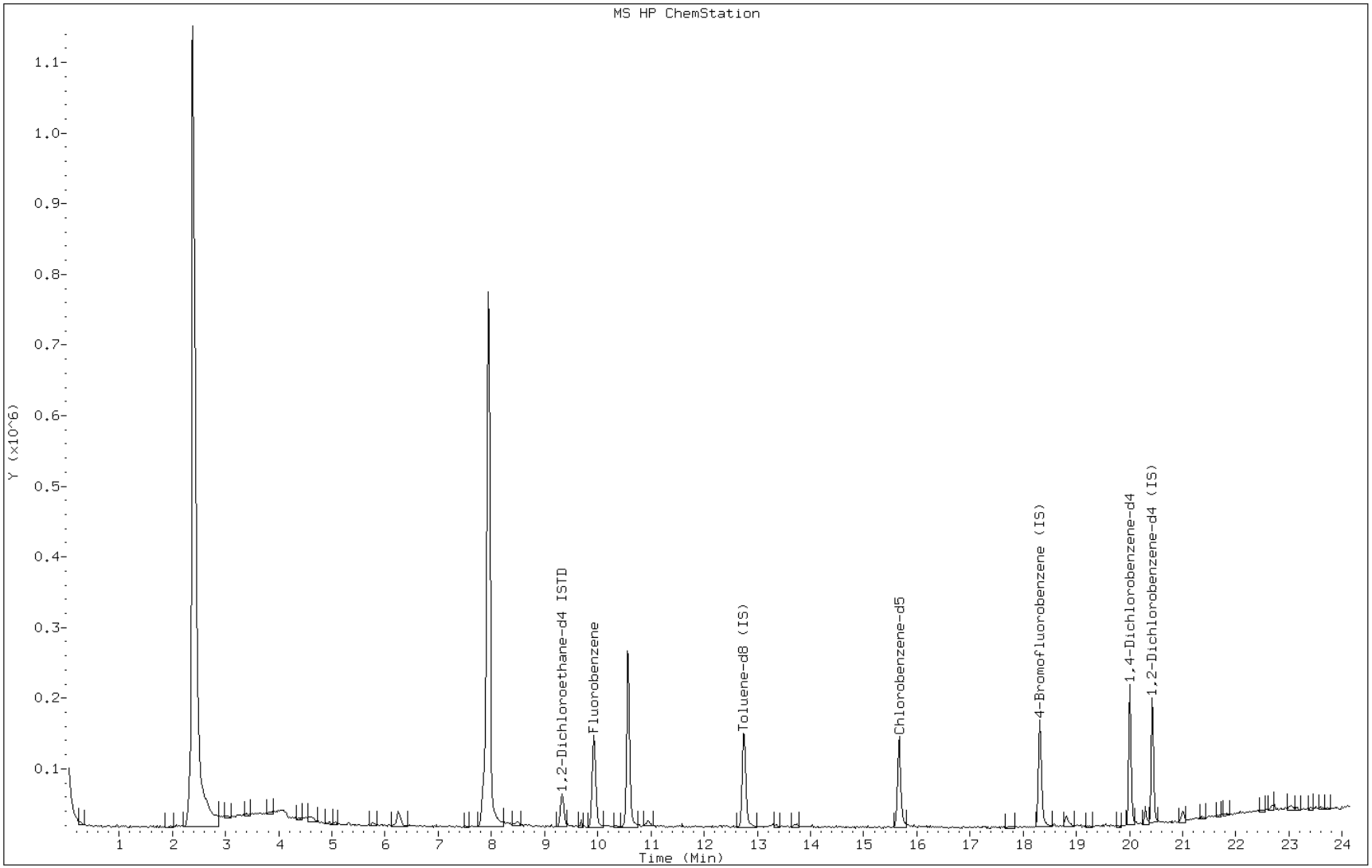
VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-24551-10 DU
Client Smp ID: PW-52DU
Inj Date : 14-OCT-2014 11:06
Operator : MTP Inst ID: L.i
Smp Info : 200-24551-B-10 DU
Misc Info : 4.2,5
Comment :
Method : /chem/L.i/Lsvr.p/lkrb524.b/524v1.m
Meth Date : 14-Oct-2014 09:41 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 16:32 Cal File: lkr04.d
Als bottle: 7
Dil Factor: 4.20000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: lkrb07.d
Client ID: PW-52DU
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 200-24551-B-10 DU
Lab Sample ID: 200-24551-10 DU

Date: 14-OCT-2014 11:06
Instrument: L.i
Inj Vol: 5.0
Diameter: 0.53



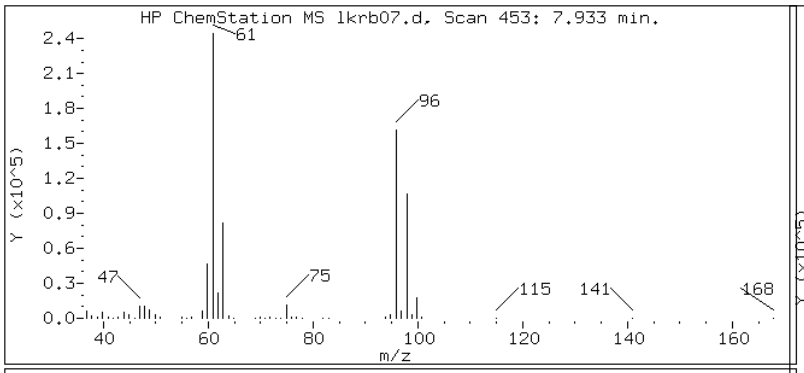
Data File: lkrb07.d

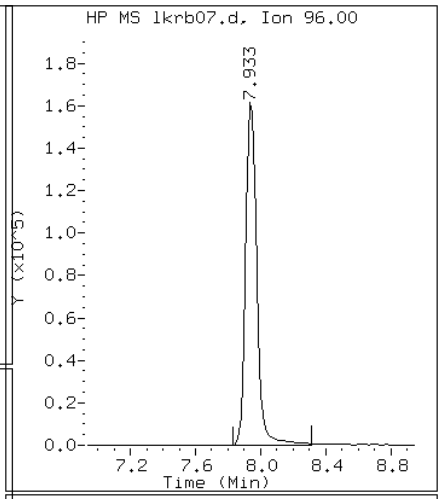
Lab Sample ID: 200-24551-10 DU Date: 14-OCT-2014 11:06

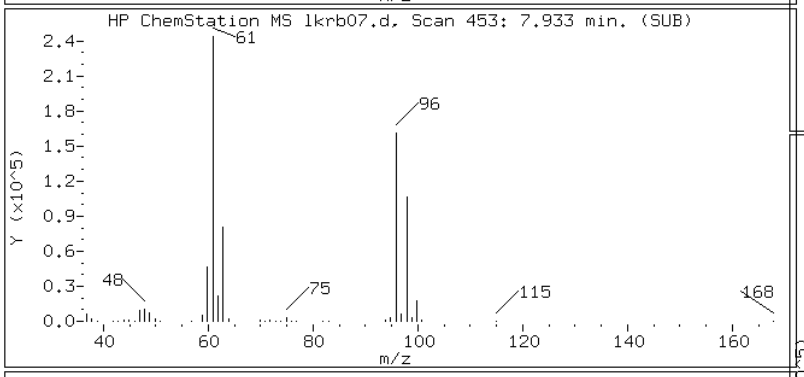
Client ID: PW-52DU Instrument: L.i

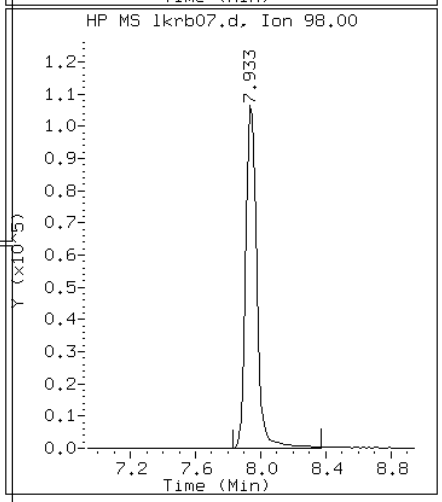
Sample Info: 200-24551-B-10 DU Operator: MTP

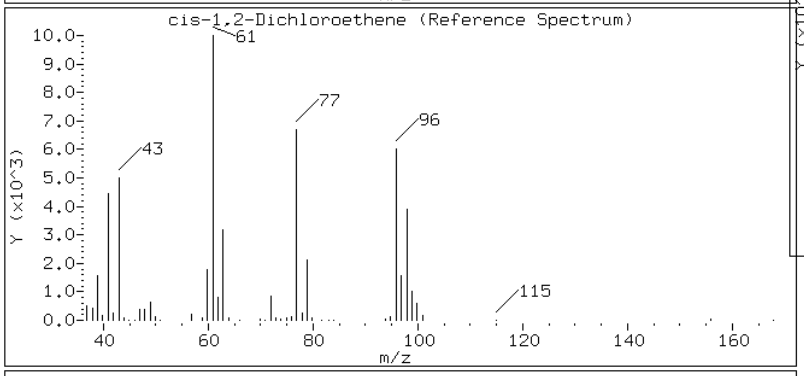
20 cis-1,2-Dichloroethene

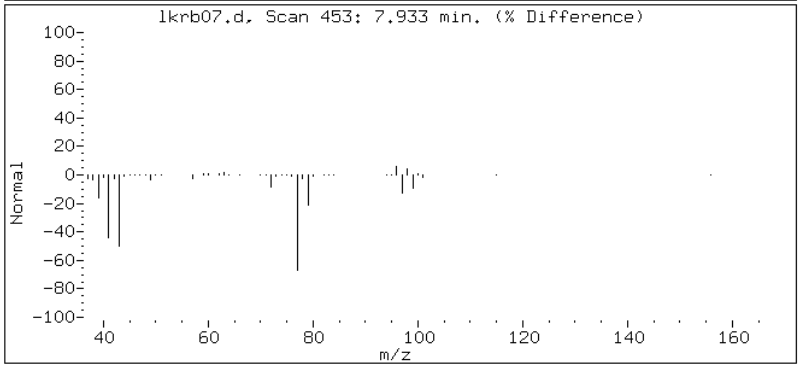












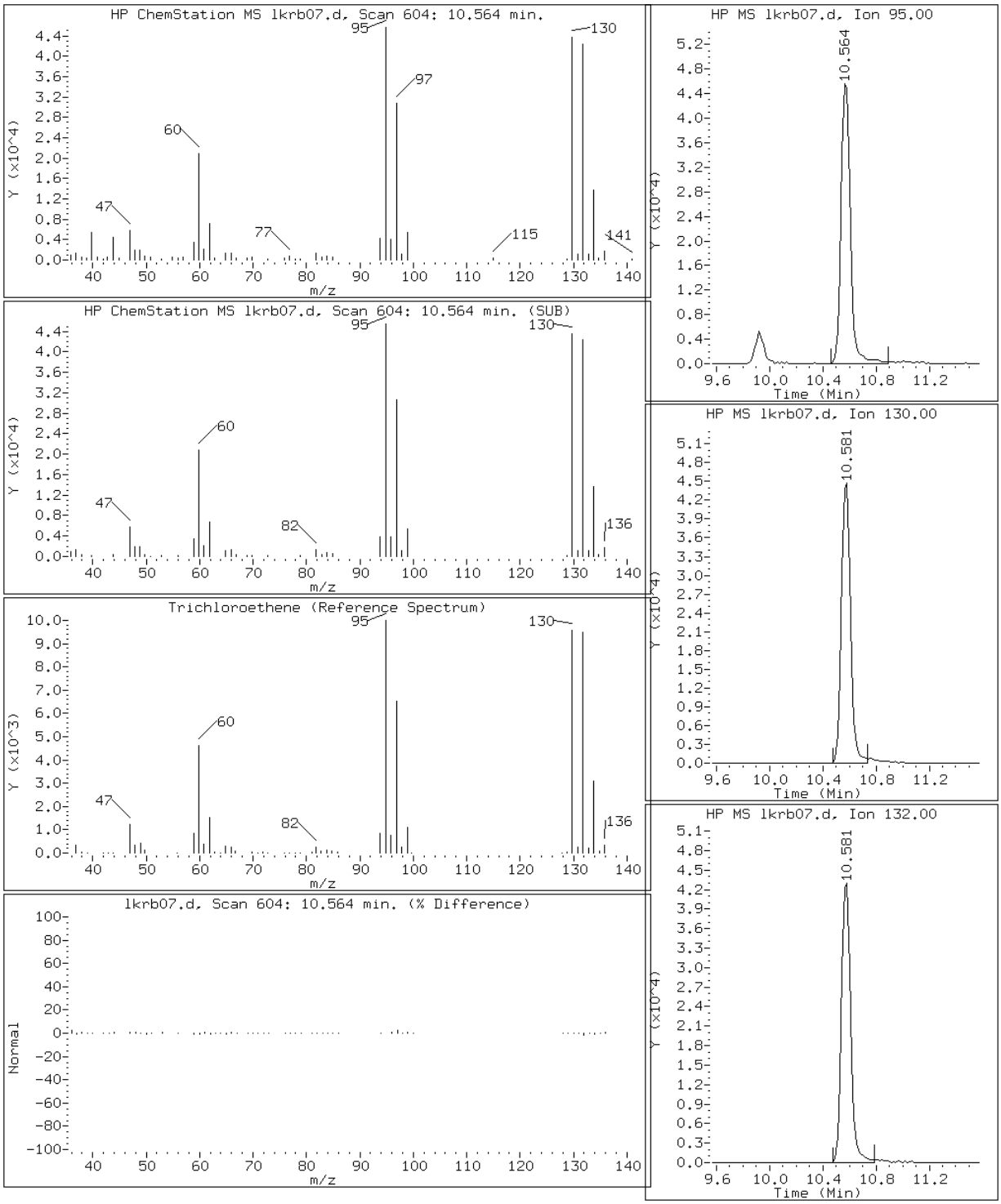
Data File: lkrb07.d

Lab Sample ID: 200-24551-10 DU Date: 14-OCT-2014 11:06

Client ID: PW-52DU Instrument: L.i

Sample Info: 200-24551-B-10 DU Operator: MTP

36 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 TRL | Lab Sample ID: 200-24551-10 TRL

Matrix: Water | Lab File ID: lkrb09.d

Analysis Method: 524.2 | Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2014 12:11

Soil Aliquot Vol: | Dilution Factor: 4.2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 78697 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	2.1	U	2.1	0.38
74-87-3	Chloromethane	2.1	U	2.1	0.50
75-01-4	Vinyl chloride	2.1	U	2.1	0.32
74-83-9	Bromomethane	2.1	U	2.1	0.84
75-00-3	Chloroethane	2.1	U	2.1	0.92
75-69-4	Trichlorofluoromethane	2.1	U	2.1	0.42
60-29-7	Diethyl ether	2.1	U	2.1	0.28
75-35-4	1,1-Dichloroethene	2.1	U	2.1	0.31
67-64-1	Acetone	21	U	21	3.5
74-88-4	Methyl iodide	2.1	U	2.1	0.55
75-15-0	Carbon disulfide	2.1	U	2.1	0.50
107-05-1	Allyl chloride	2.1	U	2.1	0.42
75-09-2	Methylene Chloride	2.1	U	2.1	0.35
107-13-1	Acrylonitrile	2.1	U	2.1	0.67
75-65-0	t-Butyl alcohol	210	U	210	18
156-60-5	trans-1,2-Dichloroethene	2.1	U	2.1	0.30
1634-04-4	Methyl t-butyl ether	2.1	U	2.1	0.34
75-34-3	1,1-Dichloroethane	2.1	U	2.1	0.39
156-59-2	cis-1,2-Dichloroethene	75.6		2.1	0.37
594-20-7	2,2-Dichloropropane	2.1	U	2.1	0.67
78-93-3	2-Butanone	21	U	21	0.67
107-12-0	Propionitrile	110	U	110	12
96-33-3	Methyl acrylate	2.1	U	2.1	0.55
126-98-7	Methacrylonitrile	2.1	U	2.1	0.34
74-97-5	Bromochloromethane	2.1	U	2.1	0.32
109-99-9	Tetrahydrofuran	11	U	11	2.2
67-66-3	Chloroform	2.1	U	2.1	0.36
71-55-6	1,1,1-Trichloroethane	2.1	U	2.1	0.39
109-69-3	1-Chlorobutane	2.1	U	2.1	0.42
56-23-5	Carbon tetrachloride	2.1	U	2.1	0.50
563-58-6	1,1-Dichloropropene	2.1	U	2.1	0.50
71-43-2	Benzene	2.1	U	2.1	0.42
107-06-2	1,2-Dichloroethane	2.1	U	2.1	0.39
79-01-6	Trichloroethene	17.4		2.1	0.42
78-87-5	1,2-Dichloropropane	2.1	U	2.1	0.37
74-95-3	Dibromomethane	2.1	U	2.1	0.38

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 TRL Lab Sample ID: 200-24551-10 TRL

Matrix: Water Lab File ID: lkrb09.d

Analysis Method: 524.2 Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2014 12:11

Soil Aliquot Vol: Dilution Factor: 4.2

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78697 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
80-62-6	Methyl methacrylate	2.1	U	2.1	1.1
75-27-4	Bromodichloromethane	2.1	U	2.1	0.42
79-46-9	2-Nitropropane	42	U	42	5.5
107-14-2	Chloroacetonitrile	110	U	110	17
10061-01-5	cis-1,3-Dichloropropene	2.1	U	2.1	0.50
108-10-1	4-Methyl-2-pentanone (MIBK)	11	U	11	1.3
513-88-2	1,1-Dichloro-2-propanone	42	U	42	4.6
108-88-3	Toluene	2.1	U	2.1	0.42
10061-02-6	trans-1,3-Dichloropropene	2.1	U	2.1	0.34
97-63-2	Ethyl methacrylate	2.1	U	2.1	0.31
79-00-5	1,1,2-Trichloroethane	2.1	U	2.1	0.29
127-18-4	Tetrachloroethene	2.1	U	2.1	0.37
142-28-9	1,3-Dichloropropane	2.1	U	2.1	0.42
591-78-6	2-Hexanone	11	U	11	1.7
124-48-1	Dibromochloromethane	2.1	U	2.1	0.34
106-93-4	1,2-Dibromoethane	2.1	U	2.1	0.30
108-90-7	Chlorobenzene	2.1	U	2.1	0.39
630-20-6	1,1,1,2-Tetrachloroethane	2.1	U	2.1	0.42
100-41-4	Ethylbenzene	2.1	U	2.1	0.42
179601-23-1	m&p-Xylene	2.1	U	2.1	0.84
95-47-6	o-Xylene	2.1	U	2.1	0.39
100-42-5	Styrene	2.1	U	2.1	0.32
75-25-2	Bromoform	2.1	U	2.1	0.28
98-82-8	Isopropylbenzene	2.1	U	2.1	0.42
108-86-1	Bromobenzene	2.1	U	2.1	0.35
79-34-5	1,1,2,2-Tetrachloroethane	2.1	U	2.1	0.33
96-18-4	1,2,3-Trichloropropane	2.1	U	2.1	0.42
110-57-6	trans-1,4-Dichloro-2-butene	2.1	U	2.1	0.50
103-65-1	n-Propylbenzene	2.1	U	2.1	0.42
95-49-8	2-Chlorotoluene	2.1	U	2.1	0.42
106-43-4	4-Chlorotoluene	2.1	U	2.1	0.42
108-67-8	1,3,5-Trimethylbenzene	2.1	U	2.1	0.42
98-06-6	tert-Butylbenzene	2.1	U	2.1	0.37
76-01-7	Pentachloroethane	2.1	U	2.1	0.37
95-63-6	1,2,4-Trimethylbenzene	2.1	U	2.1	0.42
135-98-8	sec-Butylbenzene	2.1	U	2.1	0.38

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 TRL | Lab Sample ID: 200-24551-10 TRL

Matrix: Water | Lab File ID: lkrb09.d

Analysis Method: 524.2 | Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2014 12:11

Soil Aliquot Vol: | Dilution Factor: 4.2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 78697 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	2.1	U	2.1	0.46
99-87-6	p-Isopropyltoluene	2.1	U	2.1	0.38
106-46-7	1,4-Dichlorobenzene	2.1	U	2.1	0.42
95-50-1	1,2-Dichlorobenzene	2.1	U	2.1	0.34
104-51-8	n-Butylbenzene	2.1	U	2.1	0.55
67-72-1	Hexachloroethane	2.1	U	2.1	0.50
96-12-8	1,2-Dibromo-3-Chloropropane	2.1	U	2.1	0.42
98-95-3	Nitrobenzene	110	U	110	15
108-70-3	1,3,5-Trichlorobenzene	2.1	U	2.1	0.42
120-82-1	1,2,4-Trichlorobenzene	2.1	U	2.1	0.35
87-68-3	Hexachlorobutadiene	2.1	U	2.1	0.37
91-20-3	Naphthalene	2.1	U	2.1	0.26
87-61-6	1,2,3-Trichlorobenzene	2.1	U	2.1	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Client Sample ID: PW-52 TRL Lab Sample ID: 200-24551-10 TRL

Matrix: Water Lab File ID: lkrb09.d

Analysis Method: 524.2 Date Collected: 10/01/2014 09:54

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2014 12:11

Soil Aliquot Vol: Dilution Factor: 4.2

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 78697 Units: ug/L

Number TICs Found: 1 TIC Result Total: 2.63

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	4.62	2.63	J

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-24551-10 TRL
Client Smp ID: PW-52TRL
Inj Date : 14-OCT-2014 12:11
Operator : MTP Inst ID: L.i
Smp Info : 200-24551-B-10 TRL
Misc Info : 4.2,5
Comment :
Method : /chem/L.i/Lsvr.p/lkrb524.b/524v1.m
Meth Date : 14-Oct-2014 09:41 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 16:32 Cal File: lkr04.d
Als bottle: 9
Dil Factor: 4.20000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	4.20000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Diethyl Ether	59	Compound Not Detected.					
8 1,1-Dichloroethene	96	Compound Not Detected.					
9 Acetone	43	Compound Not Detected.					
10 Methyl Iodide	142	Compound Not Detected.					
11 Carbon Disulfide	76	Compound Not Detected.					
12 Allyl Chloride	41	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 t-Butyl Alcohol	59	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
15	trans-1,2-Dichloroethene	96	Compound Not Detected.					
16	Acrylonitrile	53	Compound Not Detected.					
17	Methyl-t-Butyl Ether	73	Compound Not Detected.					
18	1,1-Dichloroethane	63	Compound Not Detected.					
19	2,2-Dichloropropane	77	Compound Not Detected.					
20	cis-1,2-Dichloroethene	96	7.945	7.944	(0.800)	763507	17.9945	76
21	2-Butanone	72	Compound Not Detected.					
22	Propionitrile	54	Compound Not Detected.					
23	Methyl Acrylate	55	Compound Not Detected.					
24	Bromochloromethane	128	Compound Not Detected.					
25	Methacrylonitrile	67	Compound Not Detected.					
26	Tetrahydrofuran	42	Compound Not Detected.					
27	Chloroform	83	Compound Not Detected.					
28	1,1,1-Trichloroethane	97	Compound Not Detected.					
29	1-Chlorobutane	56	Compound Not Detected.					
30	Carbon Tetrachloride	117	Compound Not Detected.					
31	1,1-Dichloropropene	75	Compound Not Detected.					
* 32	1,2-Dichloroethane-d4 ISTD	65	9.322	9.338	(1.000)	67407	2.00000	
33	Benzene	78	Compound Not Detected.					
34	1,2-Dichloroethane	62	Compound Not Detected.					
* 35	Fluorobenzene	96	9.931	9.931	(1.000)	289980	2.00000	
36	Trichloroethene	95	10.576	10.576	(1.065)	213415	4.14857	17
37	1,2-Dichloropropane	63	Compound Not Detected.					
38	Dibromomethane	93	Compound Not Detected.					
39	Methyl Methacrylate	69	Compound Not Detected.					
40	Bromodichloromethane	83	Compound Not Detected.					
41	2-Nitropropane	41	Compound Not Detected.					
42	Chloroacetonitrile	75	Compound Not Detected.					
43	cis-1,3-Dichloropropene	75	Compound Not Detected.					
44	4-Methyl-2-Pentanone	58	Compound Not Detected.					
45	1,1-Dichloropropanone	83	Compound Not Detected.					
* 46	Toluene-d8 (IS)	98	12.754	12.754	(1.000)	231974	2.00000	
47	Toluene	92	Compound Not Detected.					
48	trans-1,3-Dichloropropene	75	Compound Not Detected.					
49	Ethyl Methacrylate	69	Compound Not Detected.					
50	1,1,2-Trichloroethane	83	Compound Not Detected.					
51	Tetrachloroethene	166	Compound Not Detected.					
52	1,3-Dichloropropane	76	Compound Not Detected.					
53	2-Hexanone	43	Compound Not Detected.					
54	Dibromochloromethane	129	Compound Not Detected.					
55	1,2-Dibromoethane	107	Compound Not Detected.					
* 56	Chlorobenzene-d5	117	15.664	15.664	(1.000)	220056	2.00000	
57	Chlorobenzene	112	Compound Not Detected.					
58	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
59	Ethylbenzene	91	Compound Not Detected.					
60	m- & p-Xylene	106	Compound Not Detected.					
61	o-Xylene	106	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
M	62 Xylene (total)	106	Compound Not Detected.					
	63 Styrene	104	Compound Not Detected.					
	64 Bromoform	172	Compound Not Detected.					
	65 Isopropylbenzene	105	Compound Not Detected.					
*	66 4-Bromofluorobenzene (IS)	95	18.313	18.312	(1.000)	151180	2.00000	
	67 Bromobenzene	156	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,2,3-Trichloropropane	110	Compound Not Detected.					
	70 trans-1,4-Dichloro-2-butene	53	Compound Not Detected.					
	71 n-Propylbenzene	120	Compound Not Detected.					
	72 2-Chlorotoluene	126	Compound Not Detected.					
	73 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	74 4-Chlorotoluene	126	Compound Not Detected.					
	75 tert-Butylbenzene	134	Compound Not Detected.					
	76 Pentachloroethane	167	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	78 sec-Butylbenzene	105	Compound Not Detected.					
	79 1,3-Dichlorobenzene	146	Compound Not Detected.					
	80 p-Isopropyltoluene	119	Compound Not Detected.					
*	81 1,4-Dichlorobenzene-d4	152	20.003	20.002	(1.000)	106964	2.00000	
	82 1,4-Dichlorobenzene	146	Compound Not Detected.					
*	83 1,2-Dichlorobenzene-d4 (IS)	152	20.439	20.438	(1.000)	89930	2.00000	
	84 1,2-Dichlorobenzene	146	Compound Not Detected.					
	85 n-Butylbenzene	91	Compound Not Detected.					
	86 Hexachloroethane	117	Compound Not Detected.					
	87 1,2-Dibromo-3-Chloropropane	155	Compound Not Detected.					
	88 1,3,5 Trichlorobenzene	180	Compound Not Detected.					
	89 Nitrobenzene	77	Compound Not Detected.					
	90 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	91 Hexachlorobutadiene	224	Compound Not Detected.					
	92 Naphthalene	128	Compound Not Detected.					
	93 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

TestAmerica Burlington

VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-24551-10 TRL
Client Smp ID: PW-52TRL
Inj Date : 14-OCT-2014 12:11
Operator : MTP Inst ID: L.i
Smp Info : 200-24551-B-10 TRL
Misc Info : 4.2,5
Comment :
Method : /chem/L.i/Lsvr.p/lkrb524.b/524v1.m
Meth Date : 14-Oct-2014 09:41 mtp Quant Type: ISTD
Cal Date : 10-OCT-2014 16:32 Cal File: lkr04.d
Als bottle: 9
Dil Factor: 4.20000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	4.20000	Dilution Factor
X	5.00000	Method volume factor
Uf	1.00000	Unit correction factor
Vo	5.00000	Sample Volume purged (mL)

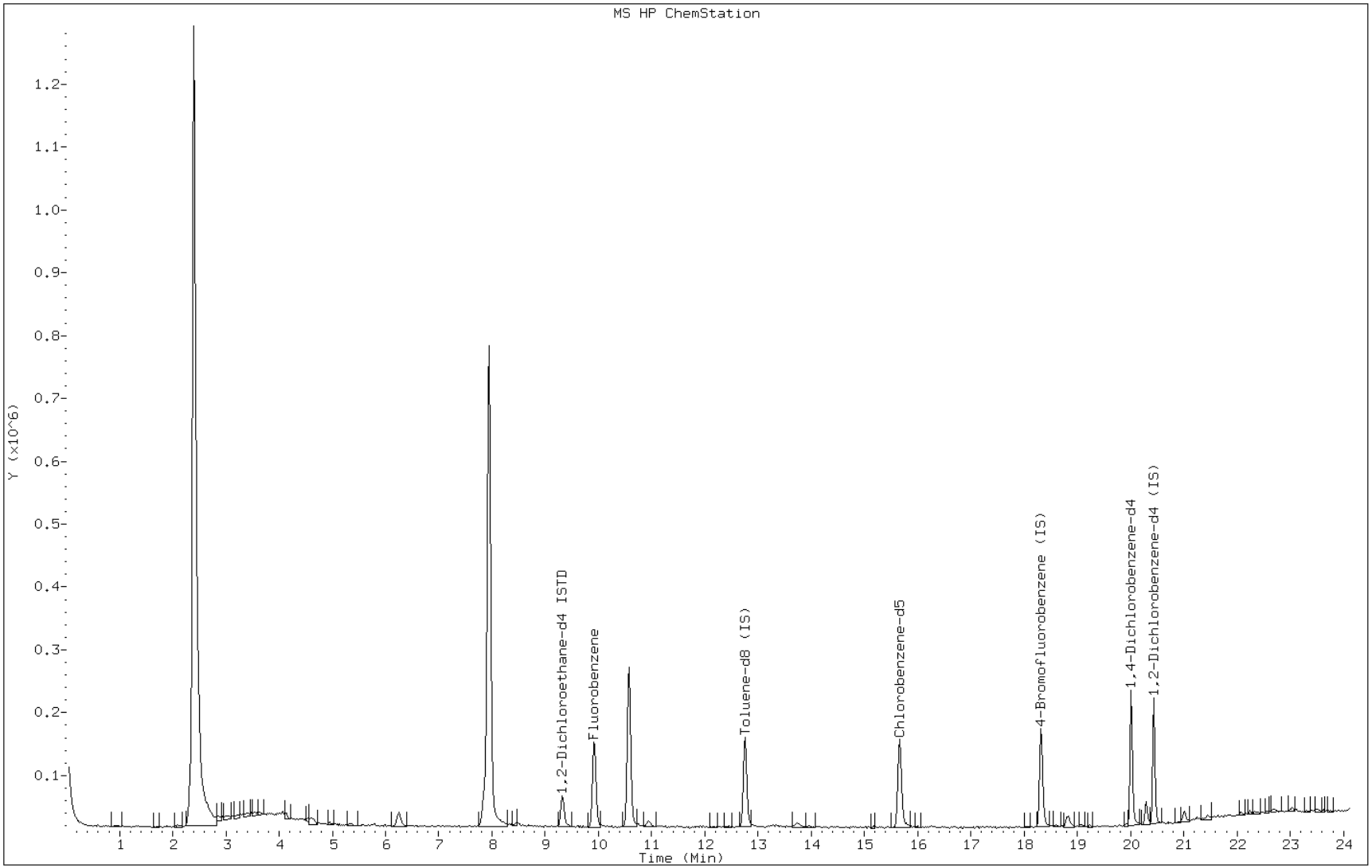
Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,2-Dichloroethane-d4 I	9.322	228339	2.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
4.617	71579	0.62695728	2.6	0		0	32

Data File: lkrb09.d
Client ID: PW-52TRL
Operator: MTP
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 200-24551-B-10 TRL
Lab Sample ID: 200-24551-10 TRL

Date: 14-OCT-2014 12:11
Instrument: L.i
Inj Vol: 5.0
Diameter: 0.53



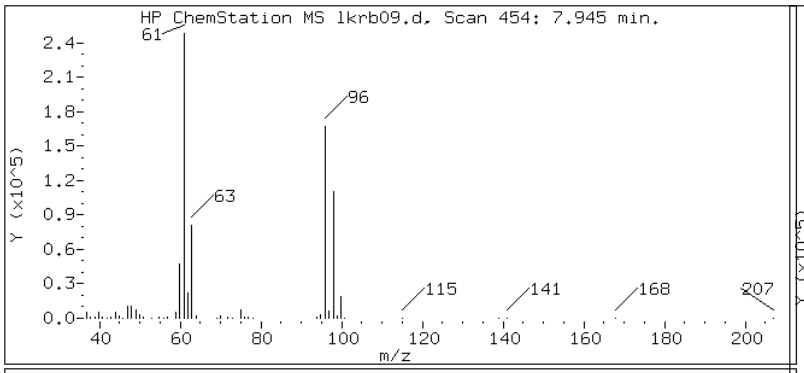
Data File: lkrb09.d

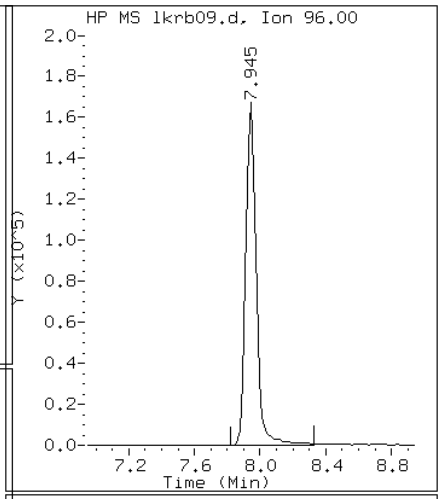
Lab Sample ID: 200-24551-10 TRL Date: 14-OCT-2014 12:11

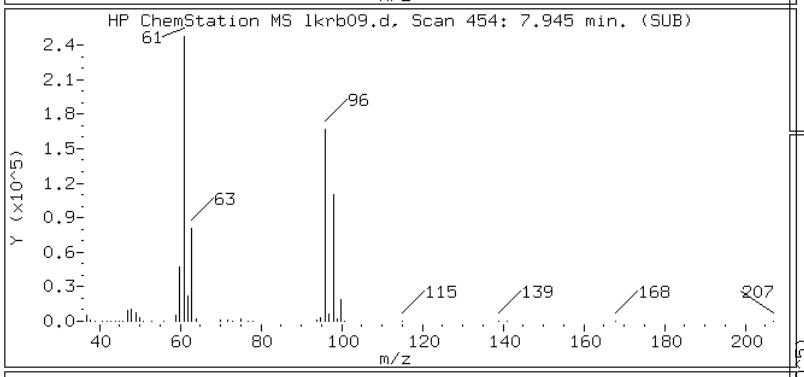
Client ID: PW-52TRL Instrument: L.i

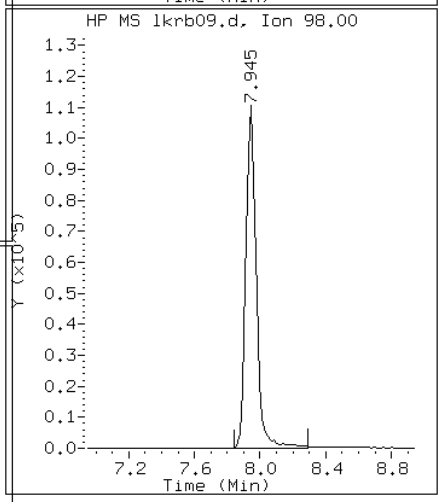
Sample Info: 200-24551-B-10 TRL Operator: MTP

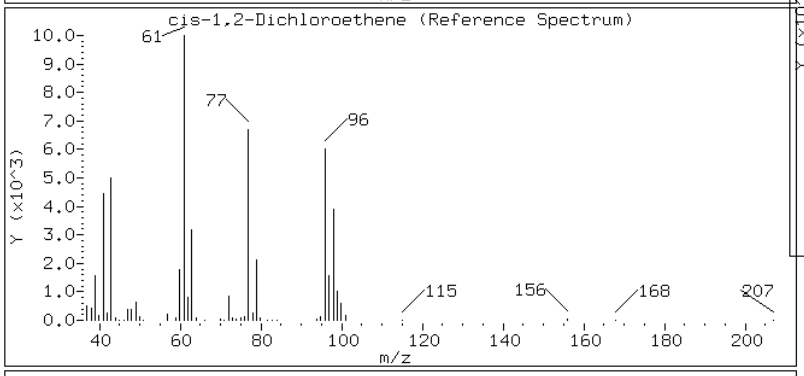
20 cis-1,2-Dichloroethene

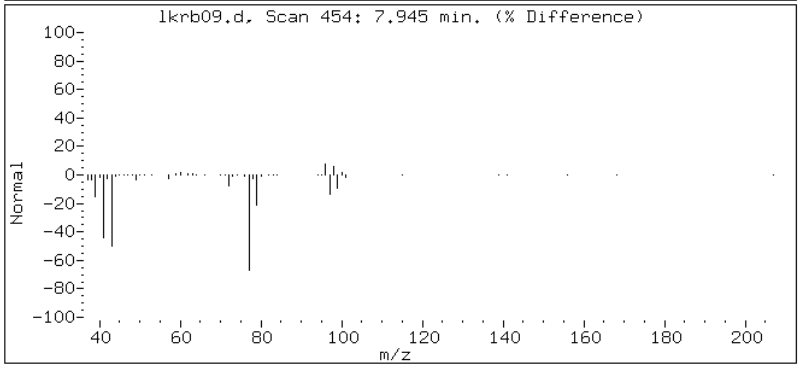












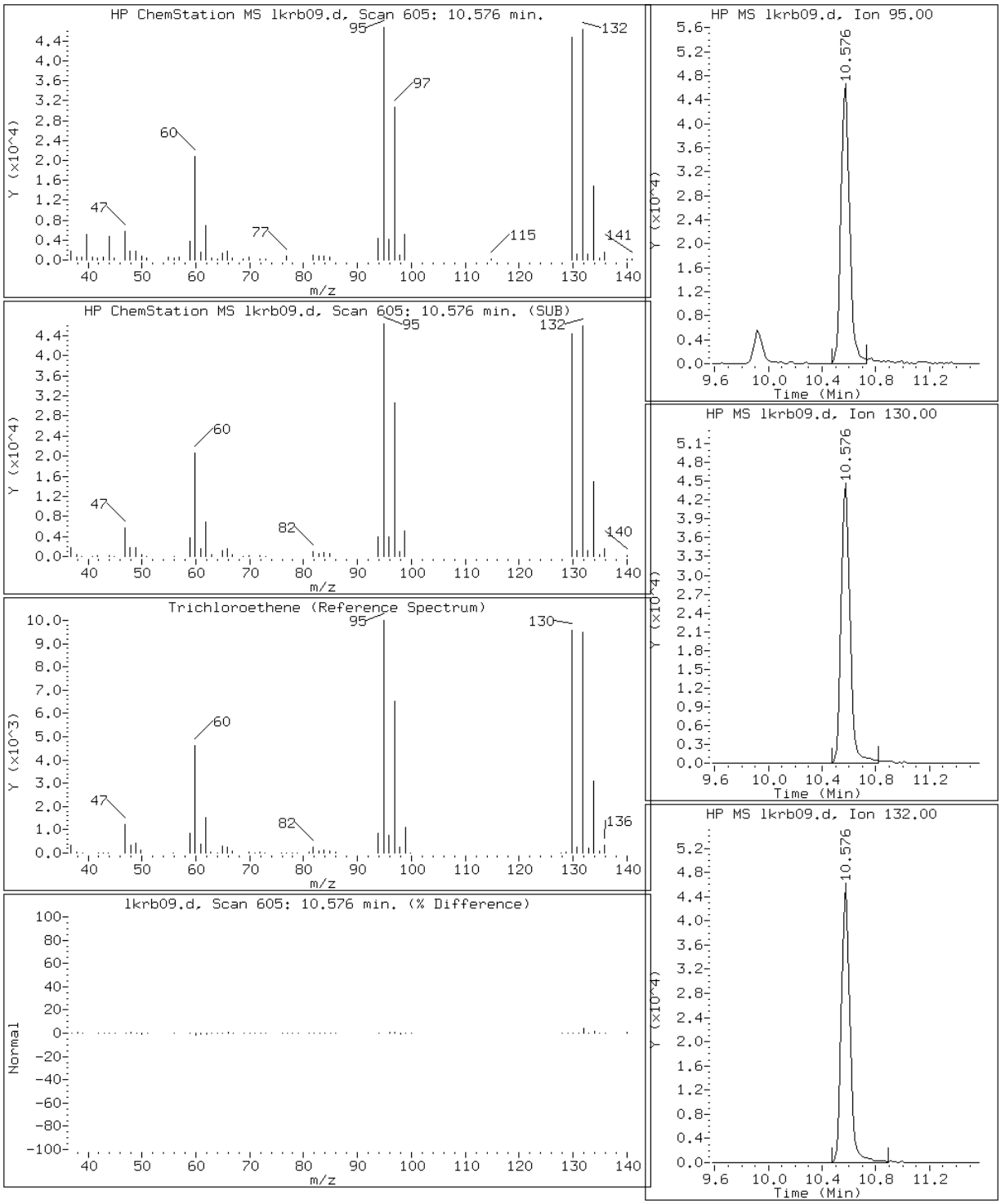
Data File: lkrb09.d

Lab Sample ID: 200-24551-10 TRL Date: 14-OCT-2014 12:11

Client ID: PW-52TRL Instrument: L.i

Sample Info: 200-24551-B-10 TRL Operator: MTP

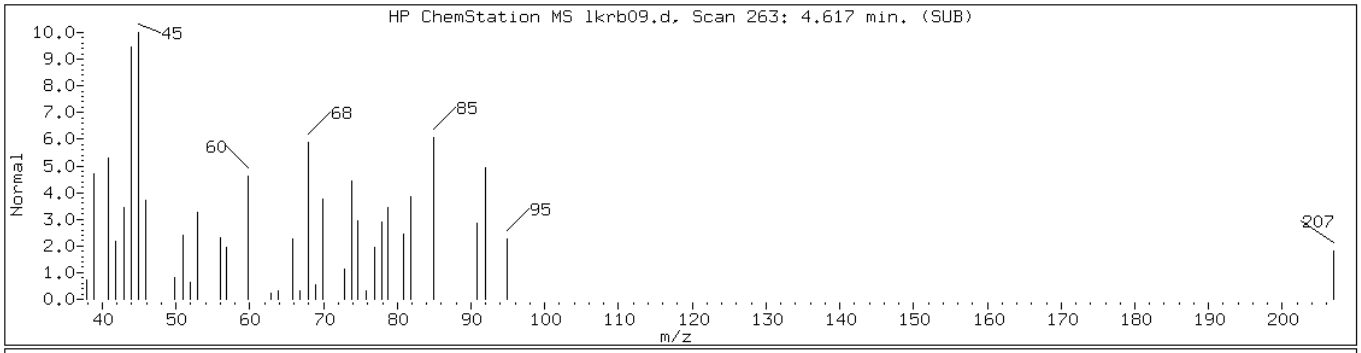
36 Trichloroethene

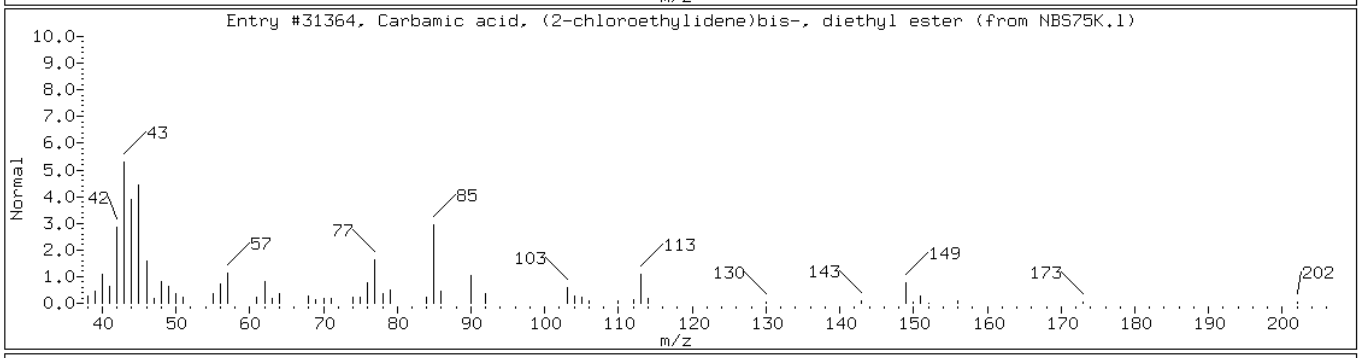


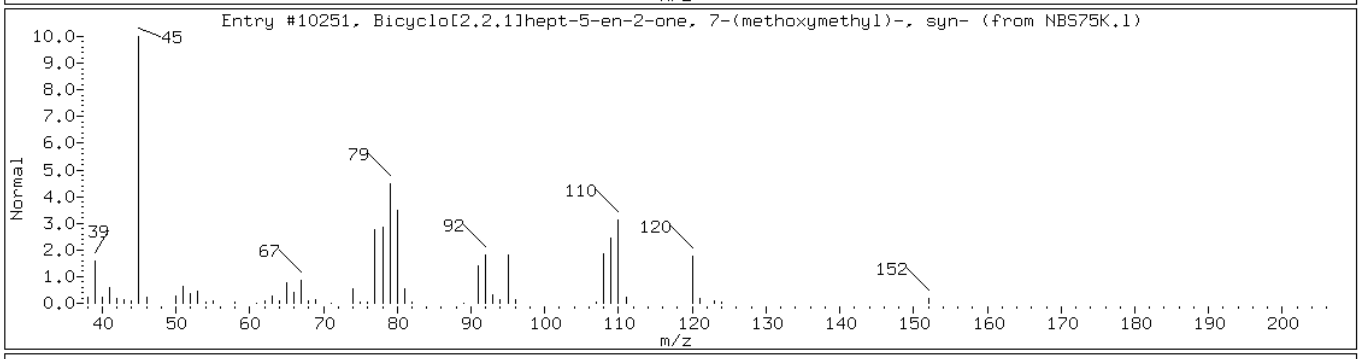
Data File: lkrb09.d
Lab Sample ID: 200-24551-10 TRL Date: 14-OCT-2014 12:11
Client ID: PW-52TRL Instrument: L.i
Sample Info: 200-24551-B-10 TRL Operator: MTP

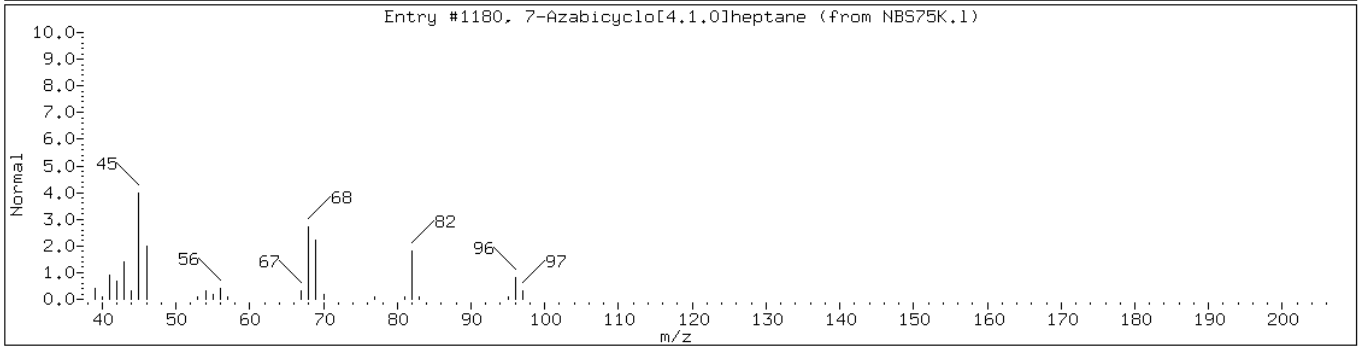
Retention Time: 4.62

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbamic acid, (2-chloroethylidene	5336-13-0	NBS75K.l	31364	17	C8H15ClN2O4	238
Bicyclo[2.2.1]hept-5-en-2-one, 7-(	52962-99-9	NBS75K.l	10251	9	C9H12O2	152
7-Azabicyclo[4.1.0]heptane	286-18-0	NBS75K.l	1180	9	C6H11N	97









GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: L.i Start Date: 10/10/2014 15:14

Analysis Batch Number: 78579 End Date: 10/10/2014 20:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-78579/1		10/10/2014 15:14	1	lkr01.d	DB-624 0.53(mm)
ZZZZZ		10/10/2014 15:27	1		DB-624 0.53(mm)
ZZZZZ		10/10/2014 16:00	1		DB-624 0.53(mm)
IC 200-78579/4		10/10/2014 16:32	1	lkr04.d	DB-624 0.53(mm)
ICIS 200-78579/5		10/10/2014 17:05	1	lkr05.d	DB-624 0.53(mm)
IC 200-78579/6		10/10/2014 17:37	1	lkr06.d	DB-624 0.53(mm)
IC 200-78579/7		10/10/2014 18:10	1	lkr07.d	DB-624 0.53(mm)
IC 200-78579/8		10/10/2014 18:43	1	lkr08.d	DB-624 0.53(mm)
VIBLK 200-78579/9		10/10/2014 19:15	1		DB-624 0.53(mm)
VIBLK 200-78579/10		10/10/2014 19:48	1		DB-624 0.53(mm)
VIBLK 200-78579/11		10/10/2014 20:20	1		DB-624 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: L.i Start Date: 10/13/2014 08:47

Analysis Batch Number: 78664 End Date: 10/13/2014 20:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-78664/1		10/13/2014 08:47	1	lkra01.d	DB-624 0.53(mm)
CCVIS 200-78664/2		10/13/2014 09:00	1	lkra02.d	DB-624 0.53(mm)
ICV 200-78664/3		10/13/2014 09:32	1	lkra03.d	DB-624 0.53(mm)
LCS 200-78664/4		10/13/2014 10:05	1	lkra04.d	DB-624 0.53(mm)
MB 200-78664/5		10/13/2014 10:37	1	lkra05.d	DB-624 0.53(mm)
200-24551-1	TRIP BLANK	10/13/2014 11:09	1	lkra06.d	DB-624 0.53(mm)
200-24551-10	PW-52	10/13/2014 11:42	1	lkra07.d	DB-624 0.53(mm)
ZZZZZ		10/13/2014 12:14	1		DB-624 0.53(mm)
VIBLK 200-78664/9		10/13/2014 12:47	1		DB-624 0.53(mm)
200-24551-11	PW-53	10/13/2014 13:19	1	lkra10.d	DB-624 0.53(mm)
200-24551-12	DUP	10/13/2014 13:52	1	lkra11.d	DB-624 0.53(mm)
ZZZZZ		10/13/2014 14:24	1		DB-624 0.53(mm)
ZZZZZ		10/13/2014 14:57	1		DB-624 0.53(mm)
ZZZZZ		10/13/2014 15:30	1		DB-624 0.53(mm)
ZZZZZ		10/13/2014 16:02	1		DB-624 0.53(mm)
ZZZZZ		10/13/2014 16:34	1		DB-624 0.53(mm)
ZZZZZ		10/13/2014 17:07	1		DB-624 0.53(mm)
ZZZZZ		10/13/2014 17:39	1		DB-624 0.53(mm)
ZZZZZ		10/13/2014 18:12	1		DB-624 0.53(mm)
ZZZZZ		10/13/2014 18:44	1		DB-624 0.53(mm)
ZZZZZ		10/13/2014 19:17	1		DB-624 0.53(mm)
VIBLK 200-78664/19		10/13/2014 19:49	1		DB-624 0.53(mm)
VIBLK 200-78664/20		10/13/2014 20:22	1		DB-624 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: L.i Start Date: 10/14/2014 08:10

Analysis Batch Number: 78697 End Date: 10/14/2014 19:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-78697/1		10/14/2014 08:10	1	lkrb01.d	DB-624 0.53(mm)
ZZZZZ		10/14/2014 08:23	1		DB-624 0.53(mm)
CCVIS 200-78697/3		10/14/2014 08:56	1	lkrb03.d	DB-624 0.53(mm)
LCS 200-78697/4		10/14/2014 09:28	1	lkrb04.d	DB-624 0.53(mm)
MB 200-78697/5		10/14/2014 10:01	1	lkrb05.d	DB-624 0.53(mm)
200-24551-10 DL	PW-52 DL	10/14/2014 10:33	4.2	lkrb06.d	DB-624 0.53(mm)
200-24551-10 DU	PW-52 DU	10/14/2014 11:06	4.2	lkrb07.d	DB-624 0.53(mm)
200-24551-10 MS	PW-52 MS	10/14/2014 11:38	4.2	lkrb08.d	DB-624 0.53(mm)
200-24551-10 TRL	PW-52 TRL	10/14/2014 12:11	4.2	lkrb09.d	DB-624 0.53(mm)
ZZZZZ		10/14/2014 12:44	1		DB-624 0.53(mm)
ZZZZZ		10/14/2014 13:17	1		DB-624 0.53(mm)
ZZZZZ		10/14/2014 13:49	1		DB-624 0.53(mm)
ZZZZZ		10/14/2014 14:22	1		DB-624 0.53(mm)
ZZZZZ		10/14/2014 14:55	1		DB-624 0.53(mm)
ZZZZZ		10/14/2014 15:27	1		DB-624 0.53(mm)
ZZZZZ		10/14/2014 16:00	1		DB-624 0.53(mm)
ZZZZZ		10/14/2014 16:33	1		DB-624 0.53(mm)
ZZZZZ		10/14/2014 17:05	1		DB-624 0.53(mm)
ZZZZZ		10/14/2014 17:38	1		DB-624 0.53(mm)
ZZZZZ		10/14/2014 18:10	1		DB-624 0.53(mm)
ZZZZZ		10/14/2014 18:43	1		DB-624 0.53(mm)
ZZZZZ		10/14/2014 19:15	1		DB-624 0.53(mm)

VOLATILE GC/MS INSTRUMENT RUN LOG

Sequence		Instrument Information		STD Traceability (Record Container ID)		Performance Checks
Batch ID:	LKR524	Instrument:	HP5971	Tune STD:	668204	☐ Tune Standard ICAL
Test Method:	524	Instrument ID:	L	ISTD:	712730	☐ RF Summary
Start Date:	10/10/14 Time: 1514	Column Type:	Capillary DB-624	Surrogate:	712731	☐ ISTD Response
End Date:	10/11/14 Time: 0314	Purge Volume:	☒ 5mL ☐ 10mL ☐ 25mL	ICAL/CCV:	712767, 712768	☐ RT & Ratios Updated
ICAL Date:	10/10/14	TALS Batch:	78579 TALS CAL ID: 28152	ICV/LCS/MS/MSD:	712791, 712792	

[1] Required for CLP contract work only.

Sequence Information

Inj. Time	File Name	TALS ID	Client ID[1]	DF	Vol	pH	Operator	Individual Sample Review SS	ISTD	Conc	PA	Comments
1514	LKR01	BFB					MTP	—	—	✓	MTP	
1527	02	Conditioner						✓	✓	✓		
1600	03	Conditioner						✓	✓	✓		
1631	04	IC						✓	✓	✓		
1705	05	ICIS						✓	✓	✓		
1737	06	IC						✓	✓	✓		
1810	07	IC						✓	✓	✓		
1843	08	IC						✓	✓	✓		
1915	09	VIBIK						✓	✓	✓		
1948	10	VIBIK						✓	✓	✓		MI & Nitrobenzene >35% (25)
2020	11	VIBIK						✓	✓	✓		
NOTRUN	12	ICV						✓	✓	✓		
1	13	LCS						—	—	—		

MTP 10/13/14

PA=Primary Analyst • ISTD=Internal Standard • Conc=Value within Cal Range • SS=Surrogate • C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable • — = NA

VOLATILE GC/MS INSTRUMENT RUN LOG

Sequence		Instrument Information		STD Traceability (Record Container ID)		Performance Checks
Batch ID:	LKRA524	Instrument:	HP5971	Tune STD:	668204	☐ Tune Standard 117 K
Test Method:	524	Instrument ID:	L	ISTD:	712730	☐ RF Summary
Start Date:	10/13/14 Time: 0847	Columm Type:	Capillary DB-624	Surrogate:	712731	☐ ISTD Response .
End Date:	10/13/14 Time: 2047	Purge Volume:	☒ 5mL ☐ 10mL ☐ 25mL	ICAL/CCV:	712767, 712768	☐ RT & Ratios Updated
ICAL Date:	10/6/14	TALS Batch:	78664 TALS CAL ID: 25152	ICV/LCS/MS/MSD:	712791, 712792	

[1] Required for CLP contract work only.

Sequence Information								Individual Sample Review				
Inj. Time	File Name	TALS ID	Client ID[1]	DF	Vol	pH	Operator	SS	ISTD	Conc	PA	Comments
0547	LKRA01	BFB					MTP	—	—	✓	MTP	
0900	02	CCVIS						✓	✓	✓		B-meth ↑
0932	03	ICV						✓	✓	✓		Gases/MeCl2 ↑
1005	04	LCS						✓	✓	✓		↓
1037	05	MB						✓	✓	✓		
1109	06	200-24557-A-1		100%		2		✓	✓			
1142	07	↓ 10				2		✓	✓	↑		R C-12=85
1214	08	↓ 10	DU			2		✓	✓	↑		R
Not Run	09	10	MS			2		—	—	—		NOT RUN
Not Run	10	10	TRL			2		—	—	—		↓
1247	10	↓ 11				2		✓	✓	✓		
1319	11	↓ 12				2		✓	✓	✓		
1352	12	200-24559-A-1				2		✓	✓	✓		
1424	13	↓ 2				2		✓	✓	✓		
1457	14	↓ 2	DU			2		✓	✓	✓		
1530	15	↓ 2	MS			2		✓	✓	✓		
1602	16	↓ 2	TRL			2		✓	✓	✓		
1634	17	↓ 3				2		✓	✓	✓		
1707	18	↓ 4				2		✓	✓	✓		
1739	19	↓ 5				2		✓	✓	✓		
1812	20	↓ 6				2		✓	✓	✓		
1849	21	↓ 7				2		✓	✓	✓		
1917	22	VIBLK				2		✓	✓	✓		
1949	23	VIBLK				2		✓	✓	✓		
1247	09	VIBLK		↓			↓	✓	✓	✓	↓	
											/	
										/		
									/			
								/				MTP 10/14/14

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VOLATILE GC/MS INSTRUMENT RUN LOG

Sequence		Instrument Information		STD Traceability (Record Container ID)		Performance Checks
Batch ID:	LKRB524	Instrument:	HP5971	Tune STD:	668204	☐ Tune Standard 9/6 K
Test Method:	524	Instrument ID:	L	ISTD:	712730	☐ RF Summary
Start Date:	10/14/14 Time: 0810	Columm Type:	Capillary DB-624	Surrogate:	712731	☐ ISTD Response
End Date:	10/14/14 Time: 2010	Purge Volume:	☒ 5mL ☐ 10mL ☐ 25mL	ICAL/CCV:	712767, 712768	☐ RT & Ratios Updated
ICAL Date:	10/10/14	TALS Batch:	78697 TALS CAL ID: 28152	ICV/LCS/MS/MSD:	712791, 712792	

[1] Required for CLP contract work only.

Sequence Information

Inj. Time	File Name	TALS ID	Client ID[1]	DF	Vol	pH	Operator	Individual Sample Review SS	ISTD	Conc	PA	Comments
0810	LKRB01	BFB					MTP	—		✓	MTP	
0823	02	Conditioner						✓	✓	✓		
0856	03	CCVIS						✓	✓	✓		
0928	04	LCS		10/15/14 MTP				✓	✓	✓		
1001	05	MB						✓	✓	✓		
1033	06	200-24551-B-1C		4.2	10ml	2		✓	✓	✓		several ↑
1106	01	↓ 10	DU	4.2	↓	2		✓	✓	✓		
1139	08	10	MS	4.2		2		✓	✓	✓		
1211	09	10	TRL	4.2		2		✓	✓	✓		
1244	10	200-24664-A-1		100%		2		✓	✓	✓		
1317	11	1	DU			2		✓	✓	✓		
1349	12	1	MS			2		✓	✓	✓		
1422	13	1	TRL			2		✓	✓	✓		
1455	14	5				2		✓	✓	✓		
1527	15	6				2		✓	✓	✓		
1600	16	↓ 7				2		✓	✓	✓		
1633	17	200-24682-A-1				2		✓	✓	✓		
1705	18	2				2		✓	✓	✓		
1738	19	3				2		✓	✓	✓		
1810	20	4				2		✓	✓	✓		
1843	21	5				2		✓	✓	✓		
1915	↓ 22	↓ 7		↓		2	↓	✓	✓	✓	↓	

MTP 10/15/14

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